PERIODIC REVIEW REPORT
FOR PERIOD OF
DECEMBER 1, 2021 THROUGH DECEMBER 1, 2022

ENVIRONMENTAL RESTORATION PROGRAM

ANDREWS STREET SITE
300, 304-308, 320 ANDREWS STREET, 25 EVANS STREET
ROCHESTER, NEW YORK, 14604
NYSDEC SITE #E828144

Prepared For: City of Rochester
Division of Environmental Quality
Rochester, New York

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ATTACHMENTS

Attachment A: Groundwater Monitoring Documentation

Attachment B: Site-Wide Inspection Form

Attachment C: Institutional and Engineering Controls Certification Form

I. Introduction

A. Executive Summary

- Historic commercial and industrial uses of the Site since the early 1920s included plumbing supply, electrical supply, bakery, printer, commercial bus depot and bus repair garage, gasoline station, chemical sales/distribution, dry cleaning equipment distributor, fuel oil contractor, and warehousing.
- Types of contamination at the Site that required remediation included:
  - Tetrachloroethene (Perchloroethene or PCE) and other chlorinated volatile organic compounds (VOCs), petroleum-related constituents, polychlorinated biphenyls (PCBs), metals and semi-volatile organic compounds (SVOCs) in soil, urban fill material and/or groundwater.
- Remedial actions were performed at the Site as Interim Remedial Measures (IRMs) and Supplemental IRMs. Remedial actions taken included:
  - Removal and off-site disposal of soil contaminated with VOCs, metals, PCBs and SVOCs.
  - Removal and off-site disposal of two previously closed in-place underground storage tanks (USTs), some buried piping containing PCE-impacted sediments, and sewer piping in the former Evans Street right-of-way (ROW).
  - In-Situ Chemical Oxidation (ISCO) of VOC contamination in saturated soils and groundwater.
  - Installation of a cover system.
  - Execution and recording of an Environmental Easement.
  - Development and implementation of a Site Management Plan (SMP).

B. Effectiveness of the Remedial Program

1. Progress made during the reporting period toward meeting the remedial objectives for the Site included: continued ISCO groundwater polishing; and continued monitoring and/or inspection of the cover system and/or groundwater conditions.
2. The work completed to date shows that the remedial program has the ability to achieve the remedial objectives for the Site.

C. Compliance

1. There are no areas of non-compliance with the SMP.
2. Given compliance with the Site's SMP, no steps were needed to correct areas of non-compliance.

D. Recommendations

1. It is recommended that applicable sections of the SMP be revised at an appropriate time in the future to reflect decommissioning of select monitoring wells, additional supplemental polishing phase activities, and modifications to the groundwater monitoring program that have been, or will be, approved by the NYSDEC.

2. No change to the frequency of Periodic Review Report (PRR) submittals is recommended at this time.

3. Since residual contamination remains on the Site, it is recommended that SMP requirements continue to be implemented.

II. Site Overview

A. The 1.524-acre Site consists of four contiguous parcels that are addressed as 300, 304-308, and 320 Andrews Street and 25 Evans Street, and are located in the City of Rochester (City), County of Monroe, New York (refer to Figure 1 and Figure 2). The Site is owned by the City.

The Site is bounded by the Inner Loop highway ROW to the north, Andrews Street ROW with commercial property beyond to the south, Franklin Square ROW with a City-owned park beyond to the east, and Bristol Street ROW with commercial property beyond to the west.

Prior to remediation, multiple types of contamination at the Site were identified in various media. Pre-remediation contaminant areas included the following:

Soil

Area 1 (IRM-01): PCE source area in soil and groundwater.

Area 2 (IRM-02): A preferential PCE migration pathway along a sewer.

Area 3 (IRM-03): Two closed in-place USTs.

Area 4 (IRM-04): A localized PCB-impacted soil area.

Area 5 (IRM-05): A former trench drain area.

Area 6 (IRM-06): An area of buried piping.

Area 7: Heterogeneous historic urban fill material across most of the Site.

Miscellaneous Areas with VOCs.

Groundwater

A source and plume of VOCs primarily consisting of PCE, and one or more metals exceeding groundwater standards and guidance values primarily within the overburden groundwater table are the primary contaminants of concern in groundwater. Light non-aqueous phase liquid (LNAPL) or dense non-aqueous phase liquid (DNAPL) were not detected in groundwater.

B. Chronology

The Site was remediated in accordance with a NYSDEC-approved Interim Remedial Measures Work Plan (IRMWP) dated October 4, 2012, a Supplemental Interim Remedial Measure Work Plan (SIRMWP) dated June 14, 2014, an Addendum #1 to the SIRMWP dated December 10, 2014, and an Addendum #2 to the SIRMWP dated May 11, 2015.

A chronology of the Remedial Actions performed at the Site under the IRMWP is summarized below:

- **IRM-01:** In November, 2012, a total of 1,673.06 tons of non-hazardous PCE-impacted soil, and 138.83 tons of characteristic hazardous PCE-impacted soil, were removed from Area 1 and disposed off-site at regulated landfills.
- **IRM-02:** In November and December 2012, approximately 115 linear feet (L.F.) of combined sanitary/storm sewer trunk line and approximately 101 tons of PCE-impacted soil were removed from Area 2 and disposed off-site at a regulated landfill as non-hazardous waste.
- **IRM-03:** In October and November 2012, two previously closed in-place petroleum USTs, their K-Crete contents and 48.82 tons of petroleum-contaminated soil were removed from Area 3. The steel USTs were recycled, and the K-Crete and contaminated soil were disposed off-site at a regulated landfill as non-hazardous wastes.
- **IRM-04:** In November 2012, a total of 15.64 tons of PCB-impacted soil was removed from Area 4 and disposed off-site at a regulated landfill as a non-hazardous waste.
- **IRM-05:** In October 2012, a total of 223.21 tons of non-hazardous petroleum and VOC-impacted soil was removed from Area 5 and disposed off-site at a regulated landfill as a non-hazardous waste.
- **IRM-06:** In October 2012, approximately 210 L.F. of piping, and a limited amount of soil, were removed from Area 6 and disposed off-site at a regulated landfill as a non-hazardous waste.

A chronology of the Remedial Actions performed at the Site under the SIRMWP, as amended by Addendum #1 and Addendum #2, is summarized below:

- **Supplemental IRM Soil Removal:** In June 2014 and July 2014, a total of 76.05 tons of PCE-impacted soil were removed south of Area 1 and disposed off-site at a regulated landfill as a non-hazardous waste.
- **Supplemental IRM In-Situ Chemical Oxidation (ISCO):** Between June 2014 and June 2015, approximately 36,933 pounds of potassium permanganate were injected or otherwise placed in the ground by various methods to treat PCE in saturated soils and groundwater at the Site. During this work, approximately 134.32 tons of non-hazardous soil were generated and disposed off-site at a regulated landfill.
- **Cover System:** In November 2014, a site-wide cover system was installed.
- **Environmental Easement:** In May 2015, an Environmental Easement was recorded.
- **Site Management Plan:** In August 2015, a Site Management Plan (SMP) was finalized.

In August/September 2019, supplemental polishing phase remedial actions were also completed that included: excavation, removal and disposal of approximately 250 cubic yards of PCE-contaminated soil and 9,500 gallons of PCE-contaminated groundwater from the saturated zone (12 to 24 foot depth interval) within Area 1; and injection of 950 gallons of approximate 5% potassium permanganate solution to an ISCO injection gallery (ISCO-1 through ISCO-8)

installed during backfilling of the excavation in Area 1. This work was completed in accordance with a Supplemental Polishing Phase Remedial Actions Work Plan dated August 7, 2019, and was documented in a Construction Completion Report (CCR) dated February 2020.

Cleanup goals for groundwater are NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Groundwater Standards and Guidance Values.

Cleanup or on-site re-use goals for soil are NYSDEC Part 375 Restricted Residential soil cleanup objectives (SCOs) and Protection of Groundwater SCOs.

ISCO Polishing-Phase Treatment Work Conducted During the Reporting Period

ISCO polishing-phase treatment work conducted during the reporting period included the following:

- Between April 2022 and June 2022, a total of 330 pounds of potassium permanganate mixed with a small amount of water to create a slurry was placed in select injection points and select monitoring wells. A total of approximately 101 pounds of potassium permanganate slurry was placed in monitoring wells MW-01, MW-18, MW-19 and injection wells IW-4B and IW-5. Approximately 113 pounds of potassium permanganate slurry was placed in monitoring well MW-03A and injection wells IW-17 through IW-20. Approximately 116 pounds of potassium permanganate slurry was placed in monitoring well MW-17A and surrounding injection points ISCO-1 through ISCO-8 (refer to Figure 3).

III. Evaluation of Remedy Performance, Effectiveness and Protectiveness

A. Effectiveness of Remedies

As documented in a Remedial Investigation/Alternatives Analysis Report (RI/AAR) dated November 2015, the Supplemental Polishing Phase Remedial Actions CCR dated February 2020 and the Supplemental Polishing Phase Remedial Actions CCR dated February 2020, soil removals and ISCO were implemented and subsequently evaluated with the collection and analysis of confirmatory soil samples and groundwater samples.

- As shown in the RI/AAR and CCRs, the results of confirmatory soil samples collected in soil removal areas were successful at remediating the targeted contamination in those areas to levels that meet applicable SCOs above the groundwater tables, and significantly reducing targeted contamination levels in soil below the groundwater table.
- The results of previous groundwater monitoring (conducted between November 2014 and September 2021), and monitoring conducted during the reporting period (September 2022), showed that chlorinated VOCs (CVOCs) in groundwater have been significantly reduced as a result of previous source removals, ISCO, and polishing phase remedial actions.
- Documentation concerning the September 2022 groundwater monitoring event performed during this reporting period is included in this PRR. This documentation includes: Table 1 through Table 4, Graph A through Graph H showing CVOC concentrations in groundwater samples over time for select monitoring wells: Analytical Services Protocol (ASP) Category B laboratory reports, and a data validation summary report (DUSR) for the lab report,

which are provided in Attachment A. Figure 4 depicts August 25, 2022 potentiometric groundwater contours and PCE concentrations detected in groundwater samples collected during the September 2022 groundwater monitoring event.

- As shown on Graph I, cumulative CVOC concentrations detected in groundwater at wells MW-01, MW-02 and MW-03/MW-03A during a January 2012 pre-remediation sampling event (68,942 ug/l) have been reduced approximately 99% as of the date of the September 2022 sampling event (448 ug/l).

Based on the remedial actions performed, it is anticipated that the CVOC concentrations in groundwater at the Site will continue to decrease with time.

The Site relies on an engineering control consisting of a DER-10 compliant cover system to meet remedial action objectives. In accordance with the SMP, an inspection was completed on August 25, 2022. The results of this inspection are presented on a Site-Wide Inspection Form included in Attachment B. As shown, the cover system was observed to be in a condition that successfully inhibits contact with underlying Site media.

Based on the monitoring conducted to date, the remedy is shown to be effective at achieving the remedial goals for this Site.

IV. IC/EC Compliance Report

A. IC/EC Requirements/Compliance

1. A description of each control, its objective, and how performance of the control is evaluated is provided below:

   - Site Management Plan: The objective of the SMP is to manage remaining contamination above regulatory criteria in a manner that is protective of human health and the environment. The SMP is a living document and is anticipated to be revised and updated as needed to reflect the current Site conditions and applicable restrictions. The SMP includes an Institutional and Engineering Control (IC/EC) Plan and a Site Monitoring Plan. An Operation and Maintenance Plan is not included in the SMP since the Site currently does not rely on any mechanical systems to protect public health and the environment. The performance of the controls is evaluated through monitoring and periodic certification. Controls on the Site include:

     - Management of soil and historic fill material during future activities that would penetrate, encounter, or disturb remaining contamination must be conducted in accordance with provisions of the SMP, including the Excavation Work Plan (EWP);

     - A requirement for evaluation of potential soil vapor intrusion into any new enclosed structures on the Site, and designing and implementing engineering controls to address soil vapor intrusion for those structures, if deemed warranted.

     - Requirements for monitoring and repair of the cover system engineering control;

- Requirements for inspections and notifications for various reasons associated with Site conditions, change in use, change in ownership, etc.
- Requirements for groundwater sampling and analysis.

▪ Environmental Easement: Restricts use of the property; restricts use of groundwater; requires implementation of the SMP; requires evaluation of soil vapor intrusion into any new buildings, and mitigation, if needed; requires operating, maintaining and inspecting engineering controls; requires groundwater and other environmental and public health monitoring; requires monitoring, maintaining and replacing groundwater wells as necessary as set forth in the SMP; requires reporting of SMP data and information; requires implementation of the SMP for activities that would disturb the subsurface; and requires monitoring to assess the performance and effectiveness of the remedy. The performance of each control is evaluated through periodic certification.

2. Status

Each control is fully in place, is being adhered to, and is effective.

3. Corrective Measures

None Required.

4. Conclusions and Recommendations for Changes

The controls are being implemented and no changes are being recommended.

B. Certification

Certification included as Attachment C.

V. Monitoring Plan Compliance Report

A. Components

▪ Groundwater Monitoring Plan: As identified in the 2015 SMP, initial monitored attenuation groundwater monitoring was to be completed over a three-year period. The monitored attenuation groundwater monitoring included quarterly monitoring the first year (2016), and bi-annual (i.e., semi-annual) monitoring for two years thereafter (2017 and 2018). Modifications in the monitoring frequency, sampling techniques, the number of wells to be sampled, and the test parameters, including groundwater monitoring after 2018, are approved by the NYSDEC. This plan also covers monitoring well repairs, replacement, and decommissioning. Per a June 1, 2021 letter, the NYSDEC provided guidance on modifications to the monitoring frequency, and the wells to be sampled. The groundwater monitoring frequency was modified from semi-annual to annual. Annual groundwater monitoring currently includes: collection of static water levels from existing wells MW-01, MW-02, MW-03A, MW-05, MW-11, MW-15, MW-16, MW-17A, MW-18 and MW-19; and collection and VOC laboratory analysis of groundwater samples from wells MW-01, MW-02, MW-03A, MW-11, and MW-17A using passive diffusion bag (PDB) samplers.

- Excavation Work Plan: An EWP is included as part of the SMP for management of soil and historic fill material that may contain residual contamination at the Site.
- Site-Wide Inspection: Site-wide inspections that include cover system monitoring and monitoring well inspection are required annually and also after severe weather conditions that may affect engineering controls or monitoring devices.

B. Summary of Monitoring Completed

- Groundwater Monitoring Plan: Annual groundwater monitoring was completed during the reporting period in August and September 2022.
  - On August 25, 2022, static water levels were taken from monitoring wells MW-01, MW-02, MW-03A, MW-05, MW-11, MW-15, MW-16, MW-17A, MW-18, and MW-19, and PDB samplers were deployed at monitoring wells MW-01, MW-02, MW-03A, MW-11, and MW-17A.
  - On September 8, 2022, the PDB samplers were retrieved from monitoring wells MW-01, MW-02, MW-03A, MW-11, and MW-17A and the resulting samples were processed for analytical laboratory testing.

  As previously identified, documentation concerning the groundwater monitoring event performed during this reporting period is included in Attachment A. Figure 4 depicts potentiometric groundwater contours and PCE concentrations detected in groundwater samples collected during the September 2022 groundwater monitoring event.
- Excavation Work Plan: No activities were performed during the reporting period that required the implementation of the EWP requirements.
- Site-Wide Inspection: An annual site-wide inspection was completed on August 25, 2022. A copy of the Site-Wide Inspection Form is included in Attachment B. The inspection revealed the following:
  - Monitoring wells present at the Site at the time of the inspection were in good condition.
  - The Site cover system at the time of the inspection was observed in good condition.

C. Comparison with Remedial Objectives

- Groundwater Monitoring Plan: The results of the groundwater monitoring completed during the reporting period showed some CVOC concentrations exceeded TOGS 1.1.1 groundwater standards and guidance values in select wells located generally within or downgradient of the PCE source area. There are some fluctuations in concentrations of CVOCs (i.e., increases and decreases) in relation to previous results, which in part may be attributable to back diffusion with seasonal changes in groundwater levels at the Site.
- Excavation Work Plan: N/A
- Site-Wide Inspection: The site cover engineering control continues to meet the remedial objective of protecting human health and the environment from coming into contact with residual contamination at the Site.

D. Monitoring Deficiencies

There are no monitoring deficiencies.

E. Conclusions and Recommendations for Changes

- Groundwater Monitoring Plan: Per the June 1, 2021 letter from the NYSDEC, groundwater monitoring will continue on an annual basis. During the annual groundwater monitoring event, static water levels will be collected from the 10 existing monitoring wells, and groundwater samples will be collected from monitoring wells MW-01, MW-02, MW-03A, MW-1, and MW-17A using PDB samplers. The resulting samples will be analyzed for TCL VOCs and tentatively identified compounds (TICs). A groundwater contour map will also be prepared for the annual groundwater monitoring event.
- Excavation Work Plan: No changes to the EWP are recommended.
- Site-Wide Inspection: No changes to the site-wide inspection are recommended.

VI. Operation & Maintenance (O&M) Plan Compliance Report

N/A

VII. Overall PRR Conclusions and Recommendations

A. Compliance with SMP

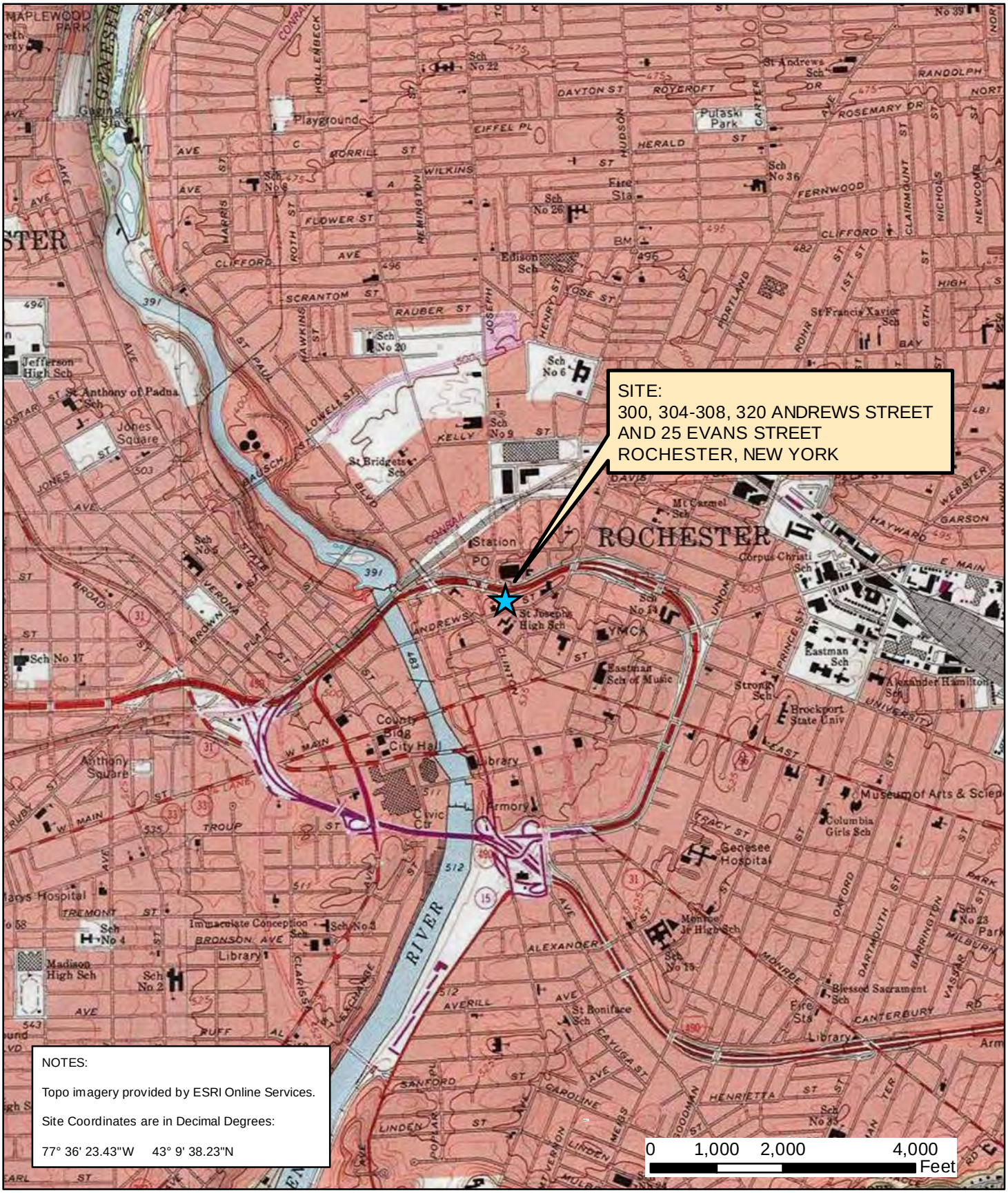
1. The requirements of the following plans were met during the reporting period:
   - IC/EC requirements.
   - Monitoring Plan requirements.
2. Identify any requirements not met: N/A
3. Identify any proposed plans and a schedule for coming into full compliance: N/A

B. Performance and Effectiveness of Remedy: An evaluation of the components of the SMP during this reporting period indicated that: the IC/EC controls were protective of human health and the environment; the monitoring plan continues to sufficiently monitor the performance of the remedy; and the remedial program is achieving the remedial objectives for the Site.

C. Future PRR submittals:

1. It is recommended that the frequency of PRR submittals (i.e., annual) remain unchanged.
2. Since residual contaminants remain beneath the cover system at the Site, it is recommended that related aspects of the SMP continue to be implemented at this Site. In addition, it is recommended that applicable sections of the SMP be revised at an appropriate time in the future to reflect decommissioning of select monitoring wells, ISCO polishing activities approved by the NYSDEC, and modifications to the groundwater monitoring program that have been, or will be, approved by the NYSDEC.

FIGURES



NOTES:

Topo imagery provided by ESRI Online Services.

Site Coordinates are in Decimal Degrees:

77° 36' 23.43"W 43° 9' 38.23"N

Date: 09-26-2017 Drawn By: CPS Scale: AS NOTED	day **DAY ENVIRONMENTAL, INC.** **Environmental Consultants** **Rochester, New York 14606** **New York, New York 10016-0701**	Project Title: 300, 304-308, 320 ANDREWS STREET AND 25 EVANS STREET ROCHESTER, NEW YORK (NYSDEC SITE NO.: E828144) ENVIRONMENTAL RESTORATION PROJECT Drawing Title: Project Locus Map	Project No. 5334S-17 FIGURE 1

Document Path: S:\DAYFTP\Dropbox\Andrews Street\Andrews_Street\GIS_Data\Andrews_Street\PRR15334S-13-PRR1- Locus Map.mxd

Document Path: E:\GIS Mapping\Rocky\Andrews_Street\GIS_Data\Andrews_Street\Supplemental_Deep_Soil_Removal\CCR\5334S-02-SDSR-CCR-SitePlan.mxd

PROJECT MANAGER	JAD
DATE	01-2020
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SCALE	AS NOTED
DATE ISSUED	01-20-2020

day
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Project Title
300, 304-308, 320 ANDREWS STREET
AND 25 EVANS STREET
ROCHESTER, NEW YORK

ENVIRONMENTAL RESTORATION PROJECT NYSDEC SITE NO.: E828144

Drawing Title
Site Plan

Project No.
5334S-17

FIGURE 2

St Paul St/N Clinton Ave/Joseph Ave to Inner Loop Ramp

MW-11
MW-01
MW-15
IW-4A
IW-4B
IW-8
IW-1
IW-9
IW-10
IW-11
IW-12
MW-16
MW-19
MW-18
IW-5
25 EVANS ST
ISCO 1
ISCO 2
ISCO 3
ISCO 4
ISCO 5
ISCO 6
ISCO 7
ISCO 8
MW-17A
MW-02
MW-05
IW-7A
320
ANDREWS ST
IW-17
IW-20
MW-03A
IW-19
IW-18
304
ANDREWS ST
Former Evans St
Franklin Sq
Bristol St
300
ANDREWS ST
Locked Gate
Locked Gate
Andrews St

Legend

N

- Solid ISCO Treatment Riser
- Perforated ISCO Treatment Piping
- Overburden Injection Well
- Overburden Monitoring Well
- Polishing Phase PCE-Contaminated Soil Removal Area
- Fence
- Andrews Street ERP Site

NOTE:

Base mapping data provided by City of Rochester and Monroe County.

0 15 30 60 Feet

PROJECT MANAGER	JAD
DATE	12-2021
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DATE DRAWN	12-2021
SCALE	AS NOTED
DATE ISSUED	12-09-2021

day
DAY ENGINEERING, P.C.
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Project Title
300, 304-308, 320 ANDREWS STREET
AND 25 EVANS STREET
ROCHESTER, NEW YORK

ENVIRONMENTAL RESTORATION PROJECT NYSDEC SITE NO: E828144

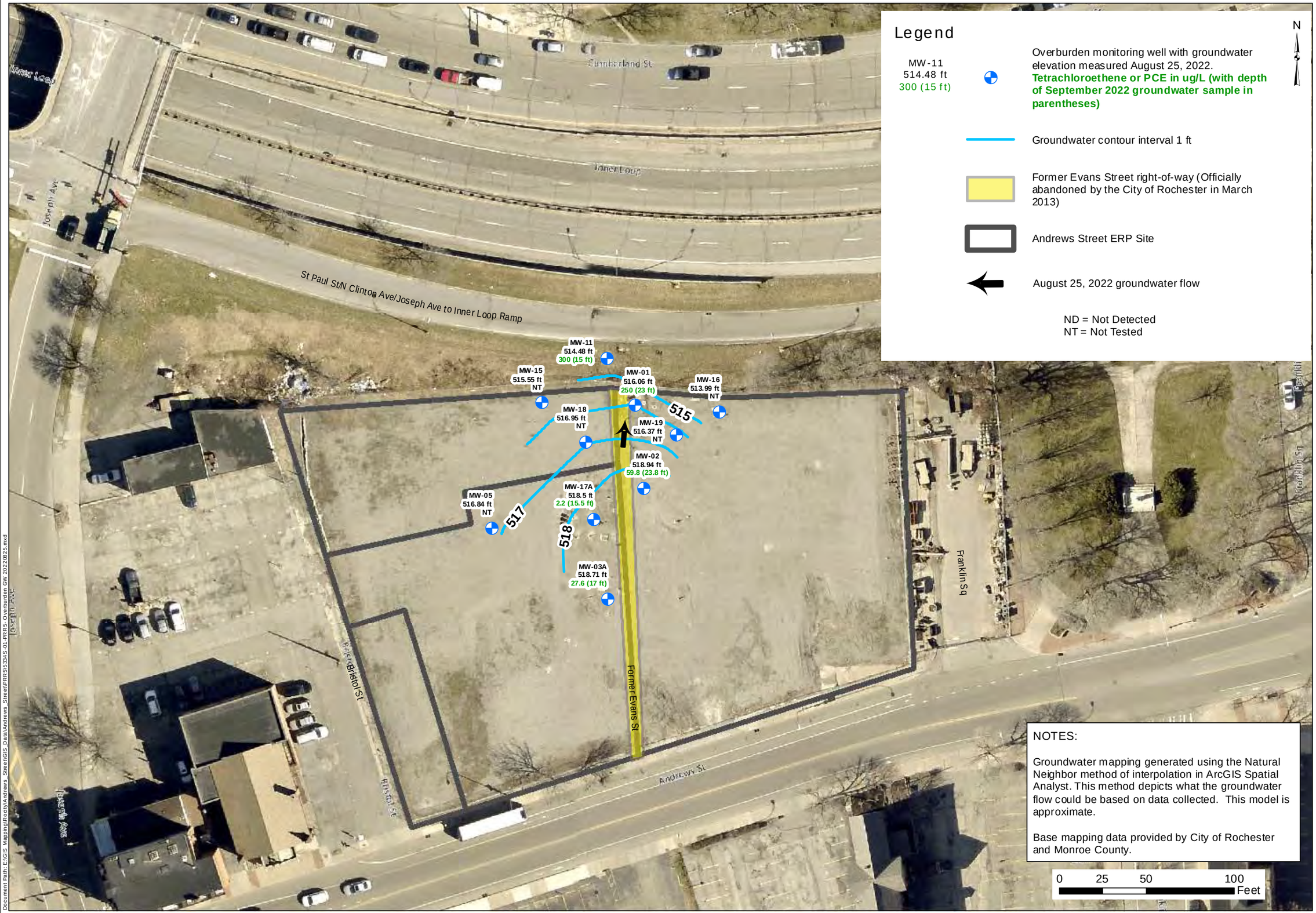
Drawing Title
Site Plan with Remaining Monitoring Wells, Injection Wells and ISCO Treatment Piping

Project No.
5334S-17

FIGURE 3

Map document path: E:\GIS Mapping\Rocky\Andrews_Street\GIS_Data\Andrews_Street\PRR4\5334S-03-PRR4- RemainingWells.mxd

Last date document was saved: 09 Dec 2021



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day
DAY ENVIRONMENTAL, INC.
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Project Title
300, 304-308, 320 ANDREWS STREET
AND 25 EVANS STREET
ROCHESTER, NEW YORK

ENVIRONMENTAL RESTORATION PROJECT NYSDEC SITE NO.: E828144

Drawing Title
Site Plan with Overburden Groundwater Potentiometric Map for August 25, 2022 and PCE Concentrations Detected in September 2022 Overburden Groundwater Samples

Project No.
5334S-17

FIGURE 4

Attachment A

Groundwater Monitoring Documentation

Table 1

300, 304-308, 320 Andrews St and 25 Evans St
Rochester, NY

NYSDEC Site #E828144

Sample Log
(Samples Collected During PRR #5 Reporting Period)

Lab Sample Number	Sample ID	Collection Date	Collection Time	Sampling Method	Depth (ft bgs)	Matrix	MS/MSD Collected	Collection Rationale	Analytical Test Parameters
1034	MW-01	9/8/2022	9:20	Grab	23	Ground-water	No	Post-Excavation Performance Groundwater Monitoring Event	TCL VOCs and TICs
1035	MW-02	9/8/2022	9:30	Grab	23.8	Ground-water	Yes	Post-Excavation Performance Groundwater Monitoring Event	TCL VOCs and TICs
1036	MW-03A	9/8/2022	9:50	Grab	17	Ground-water	No	Post-Excavation Performance Groundwater Monitoring Event	TCL VOCs and TICs
1037	MW-11	9/8/2022	9:45	Grab	15	Ground-water	No	Post-Excavation Performance Groundwater Monitoring Event	TCL VOCs and TICs
1038	MW-17A	9/8/2022	9:55	Grab	15.5	Ground-water	No	Post-Excavation Performance Groundwater Monitoring Event	TCL VOCs and TICs
1039	FB092021	9/8/2022	10:00	Grab	NA	Water	No	QA/QC - Field Blank	TCL VOCs and TICs
1040	TB092021	9/8/2022	NA	Grab	NA	Water	No	QA/QC - Trip Blank	TCL VOCs and TICs

Notes

(1) Approximate depth of sample as referenced to the sidewalk adjacent to Andrews Street with assumed datum of 0.00 feet prior to installation of cover system.

Depth for water samples was the depth in which the passive diffusion bag was set.

NA = Not Applicable bgs = below ground surface

Ft = Feet MS/MSD = Matrix Spike/Matrix Spike Duplicate

TCL VOCs - Target Compound List Volatile Organic Compounds, including Tentatively Identified Compounds (TICs) via Method 8260

Groundwater samples collected using passive diffusion samplers (PDBs).

Table 2

300, 304-308, 320 Andrews Street and 25 Evans Street
Rochester, NY

NYSDEC Site #E828144

Static Water Levels and Calculated Groundwater Elevations
(Data Collected During PRR #5 Reporting Period)

Monitoring Well ID	Ground Elevation (ft) [1]	TOC Elevation (ft)	8/25/2022	
			SWL (ft TOC)	Groundwater Elevation
MW-01	527.79	527.44	11.38	516.06
MW-02	528.03	529.37	11.96	518.94
MW-03A	528.41	528.43	9.72	518.71
MW-05	527.83	530.75	13.91	516.84
MW-11	520.70	520.48	6.00	514.48
MW-15	527.62	530.29	14.74	515.55
MW-16	528.31	530.81	16.82	513.99
MW-17A	527.75	529.71	11.21	518.50
MW-18	527.24	529.81	12.86	516.95
MW-19	527.82	530.31	13.94	516.37

Notes

Monitoring Wells listed are overburden groundwater monitoring wells.

Ft TOC = Feet below top of casing

[1] Represents ground elevation prior to installation of #2 Crusher Run (CR2) cover system material as a Supplemental Interim Remedial Measure.

Table 3

300, 304-308 Andrews St and 25 Evans St
Rochester, NY
NYSDEC Site #E828144

Summary of Detected VOCs in mg/L or ppb
Overburden Groundwater Samples Analyzed During PRR #5 Reporting Period

Contaminant	X Groundwater Standard or Guidance Value	1034 MW-01 9/8/22 PDB 23 ft		1035 MW-02 9/8/22 PDB 23.8 ft		1036 MW-03A 9/8/22 PDB 17.0 ft		1037 MW-11 9/8/22 PDB 15.0 ft		1038 MW-17A 9/8/22 PDB 15.5 ft	
1,1-Dichloroethane	5	U		U		U		U		U	
1,1-Dichloroethene	5	U		U		U		U		U	
2-Butanone	50	U		U		U		U		U	
Acetone	50	U		U		U		U		U	
Methyl Acetate	NA	U		U		U		U		U	
Benzene	1	U		U		U		U		U	
Chloroform	7	U		U		U		U		U	
Chloromethane	5	U		U		U		U		U	
Bromomethane	5	U		U		U		U		U	
Cis-1,2-Dichloroethene	5	U		**34.1** J	X	**14.5** J	X	**41.8** J	X	**78.6** J	X
Methyl tert-butyl Ether	10	U		U		U		U		U	
Methylene chloride	5	U		U		U		U		U	
trans-1,2-Dichloroethene	5	U		1.8 J		2.8 J		1 J		1.3 J	
Tetrachloroethene	5	**250** D	X	**59.8** JH	X	**27.6** J	X	**300** DJ	X	2.2 J	
Toluene	5	U		U		U		U		U	
Ethylbenzene	5	U		U		U		U		U	
Xylenes (Total)	5	U		U		U		U		U	
Trichloroethene	5	0.55 J		**30.3** J	X	**22.4** J	X	**110** DJ	X	**11.2** J	X
Trichlorofluoromethane	5	U		U		U		U		U	
Vinyl Chloride	2	U		4.4 JH	X	U		**2.2** JH	X	**18.8** JH	X
Carbon Disulfide	NA	U		U		U		U		U	
Cyclohexane	NA	U		U		U		U		U	
Methylcyclohexane	NA	U		U		U		U		U	
Bromodichloromethane	NA	U		U		U		U		U	
Dibromochloromethane	50	U		U		U		U		U	
Total VOCs		250.55		130.4		67.3		455		112.1	
Total TICs (1)		1.4		1.6		1.4		1.2		1.4	
Total VOCs and TICs (1)		251.95		132		68.7		456.2		113.5	

U = Not Detected
UJ = Not Detected at an estimated detection limit as qualified by the data validator.
NA = Not Available
µg/L = micrograms per Liter or parts per billion (ppb).
J = Estimated value
Results of DUSR incorporated on analytical laboratory data
PDB - Passive Diffusion Bag
TIC = Tentatively Identified Compound
VOC = Volatile Organic Compound
JH = Estimated value biased high

X = Exceeds Groundwater Standard or Guidance Value.

Groundwater Standards or Guidance Values referenced in NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 dated June 1998 as amended by the NYSDEC's supplemental table dated April 2000.

D = The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.

(1) Refer to the analytical laboratory report for individual TICs detected and associated flags.

134	Sample ID
MW-01	Sample Location
1/9/2012	Sample Date
LF 20.5 ft	Sample Method with Sample Collection Depth in Feet Below the Ground Surface Prior to Installation of #2 Crusher Run (CR2) Cover System Material as a Supplemental Interim Remedial Measure.

Table 4

300, 304-308 Andrews St and 25 Evans St
Rochester, NY
NYSDEC Site #E828144

Summary of Detected VOCs in mg/L or ppb
QA/QC Samples Analyzed During PRR #5 Reporting Period

Contaminant	1039 FB090822 9/8/22		1040 TB090822 9/8/22
Acetone	29.3	J	U
2-Butanone	3.9	J	U
Toluene	1	J	U
Total VOCs	34.2		0
Total TICs (1)	61.2		U
Total VOCs and TICs (1)	95.4		0

Notes

QA/QC = Quality Assurance/Quality Control

μg/L = micrograms per Liter or parts per billion (ppb).

U = Not Detected

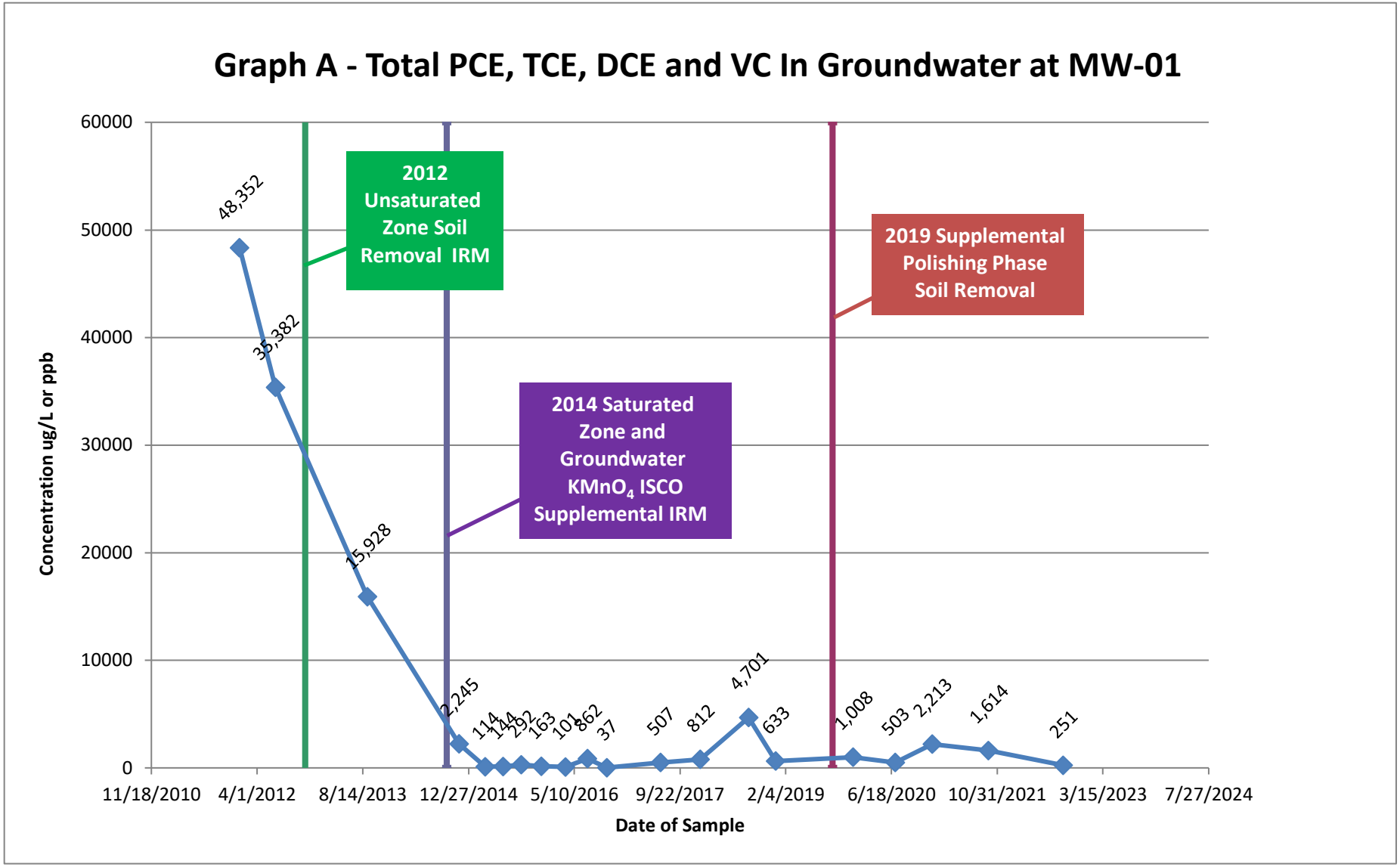
VOC = Volatile Organic Compound

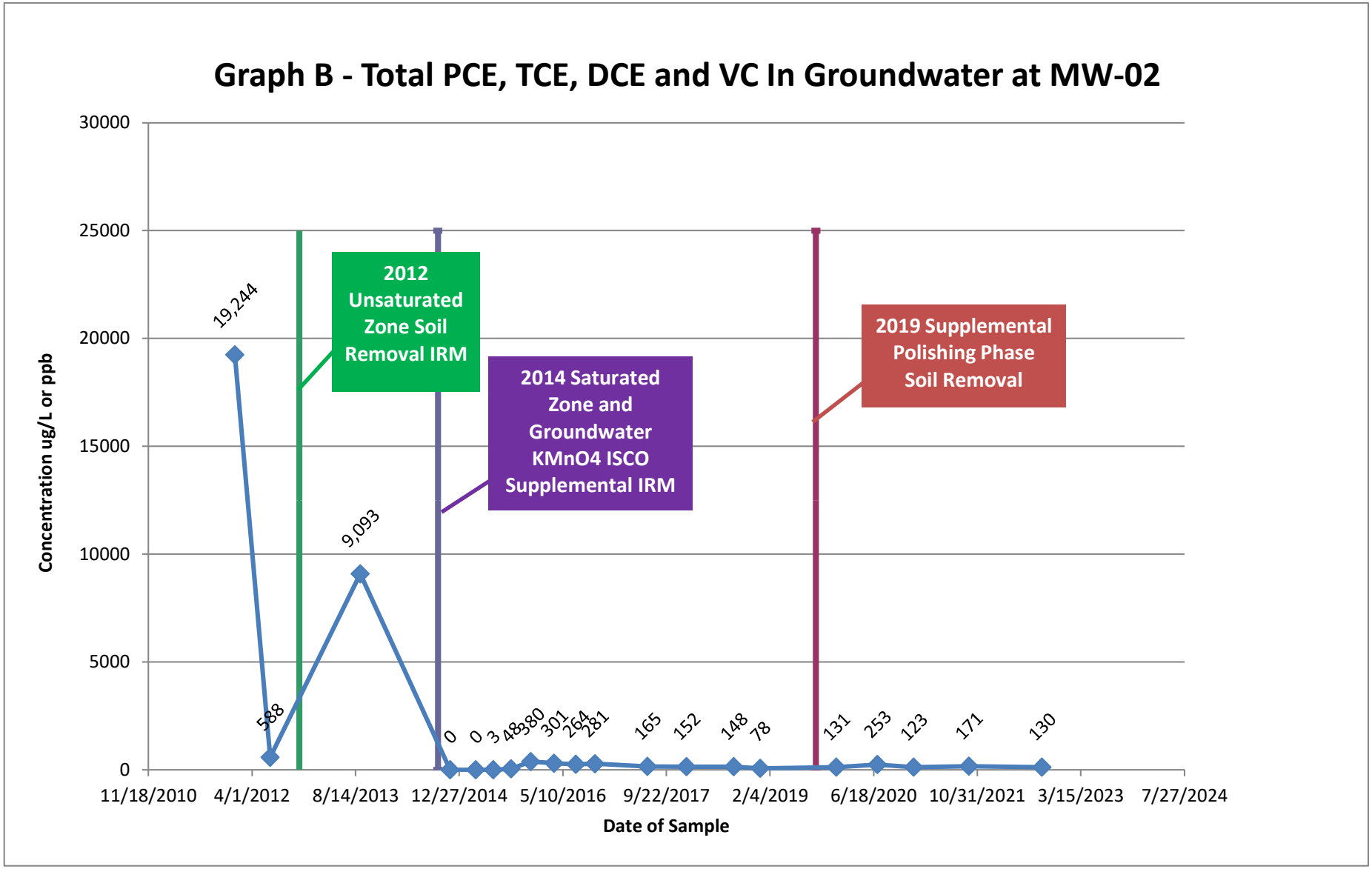
TIC = Tentatively Identified Compound

(1) Refer to the analytical laboratory report for individual TICs detected and associated flags.

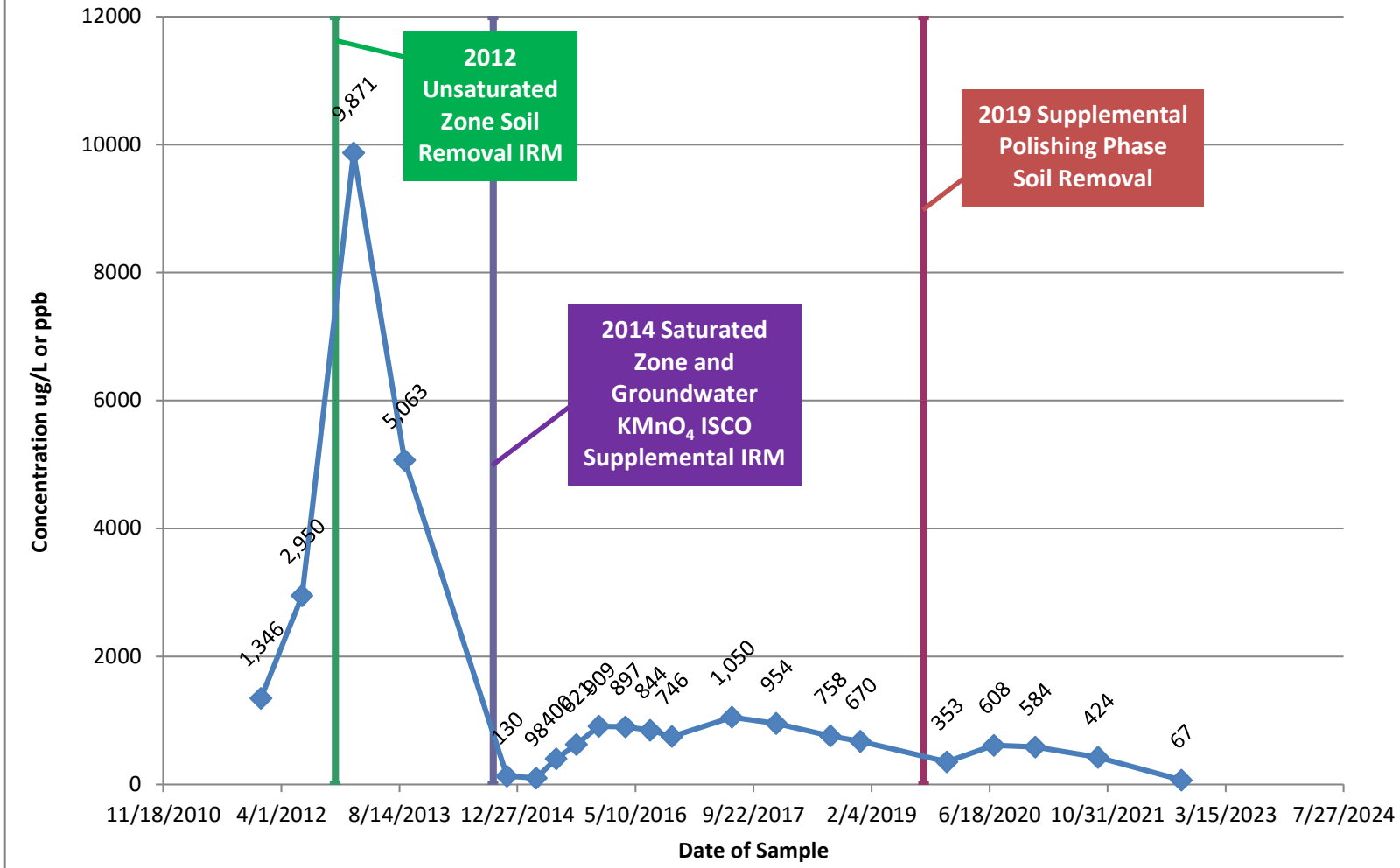
Results of DUSR incorporated on analytical laboratory data

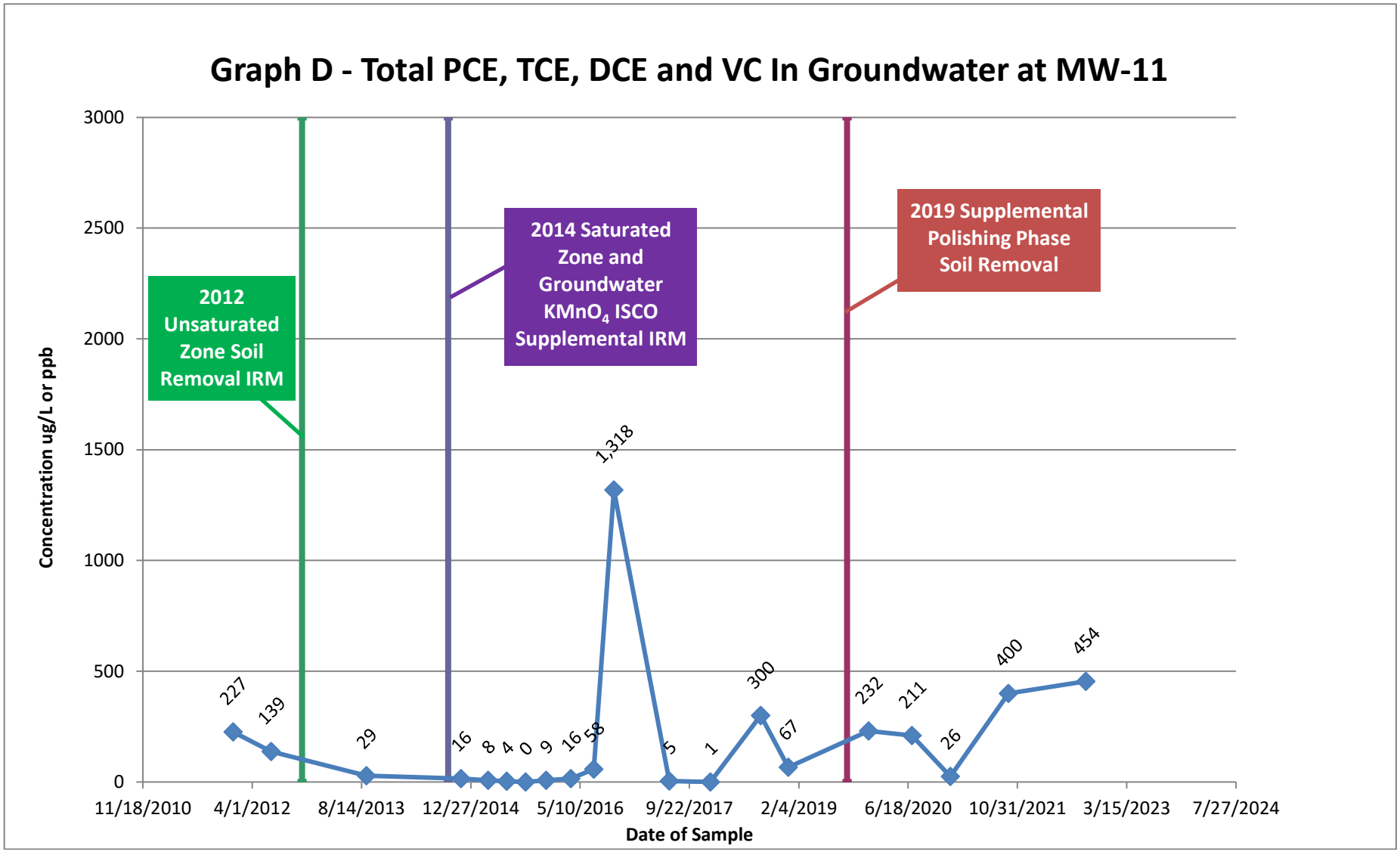
1039	Sample ID
FB090822	Sample Location
9/8/22	Sample Date

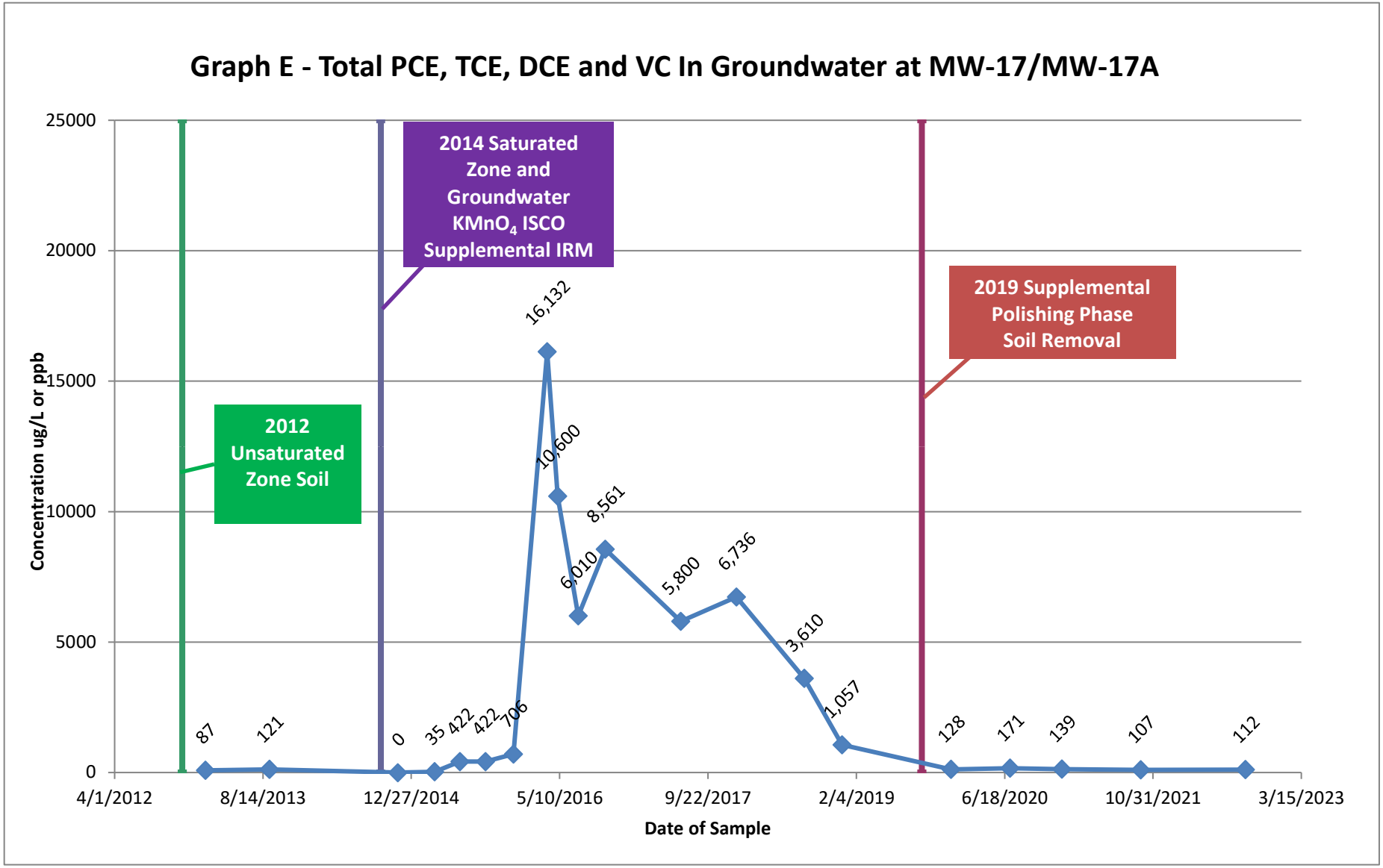

Graph A - Total PCE, TCE, DCE and VC In Groundwater at MW-01
Concentration ug/L or ppb
60000
50000
40000
30000
20000
10000
0
11/18/2010
4/1/2012
8/14/2013
12/27/2014
5/10/2016
9/22/2017
2/4/2019
6/18/2020
10/31/2021
3/15/2023
7/27/2024
Date of Sample
2012 Unsaturated Zone Soil Removal IRM
2014 Saturated Zone and Groundwater KMnO4 ISCO Supplemental IRM
2019 Supplemental Polishing Phase Soil Removal
48,352
35,382
15,928
2,245
114
144
292
163
101
862
37
507
812
4,701
633
1,008
503
2,213
1,614
251

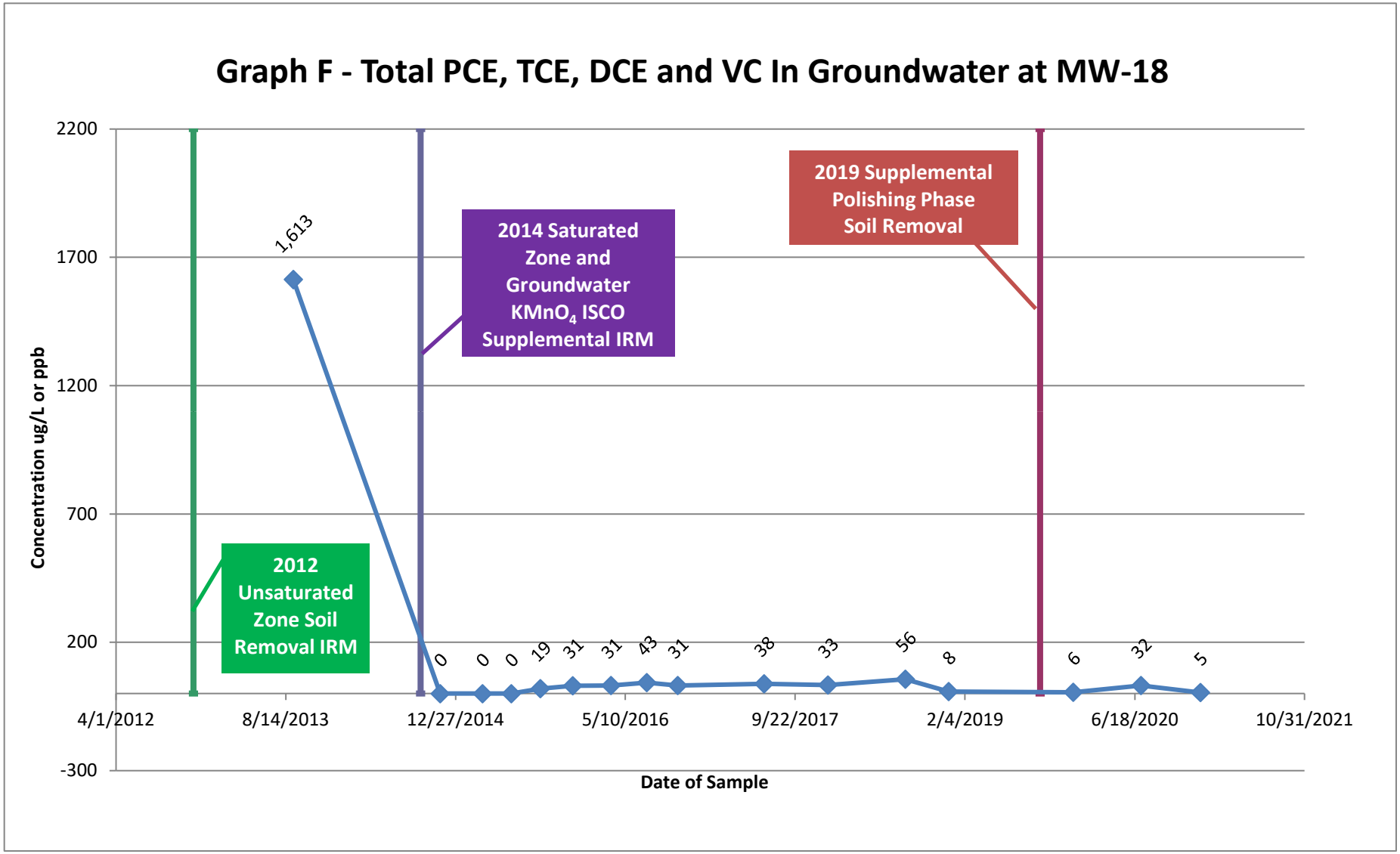

Graph B - Total PCE, TCE, DCE and VC In Groundwater at MW-02
Concentration ug/L or ppb
30000
25000
20000
15000
10000
5000
0
11/18/2010
4/1/2012
8/14/2013
12/27/2014
5/10/2016
9/22/2017
2/4/2019
6/18/2020
10/31/2021
3/15/2023
7/27/2024
Date of Sample
2012 Unsaturated Zone Soil Removal IRM
2014 Saturated Zone and Groundwater KMnO4 ISCO Supplemental IRM
2019 Supplemental Polishing Phase Soil Removal
19,244
588
9,093
0
0
3
48
380
301
264
281
165
152
148
78
131
253
123
171
130

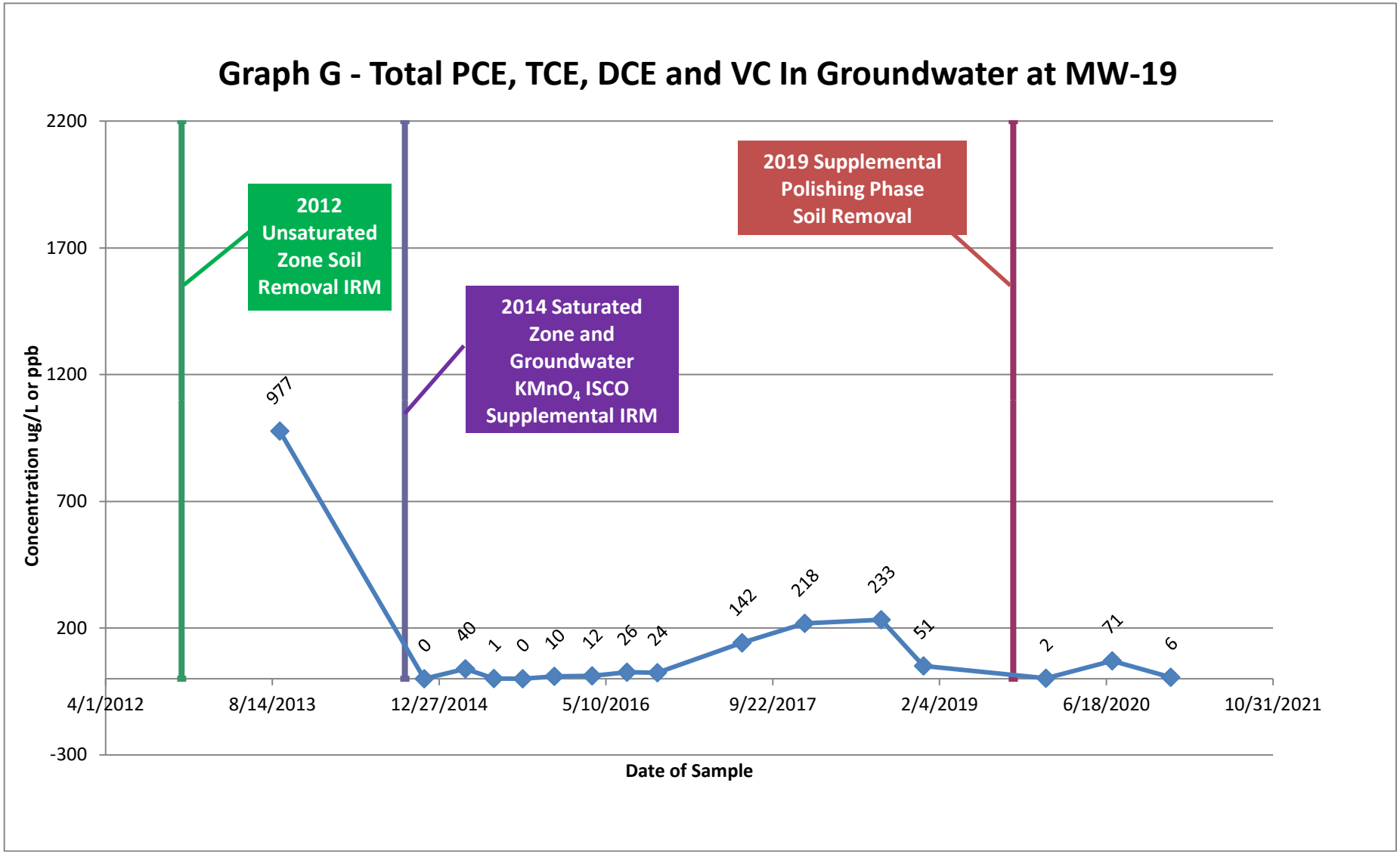
Graph C - Total PCE, TCE, DCE and VC In Groundwater at MW-03/MW-03A



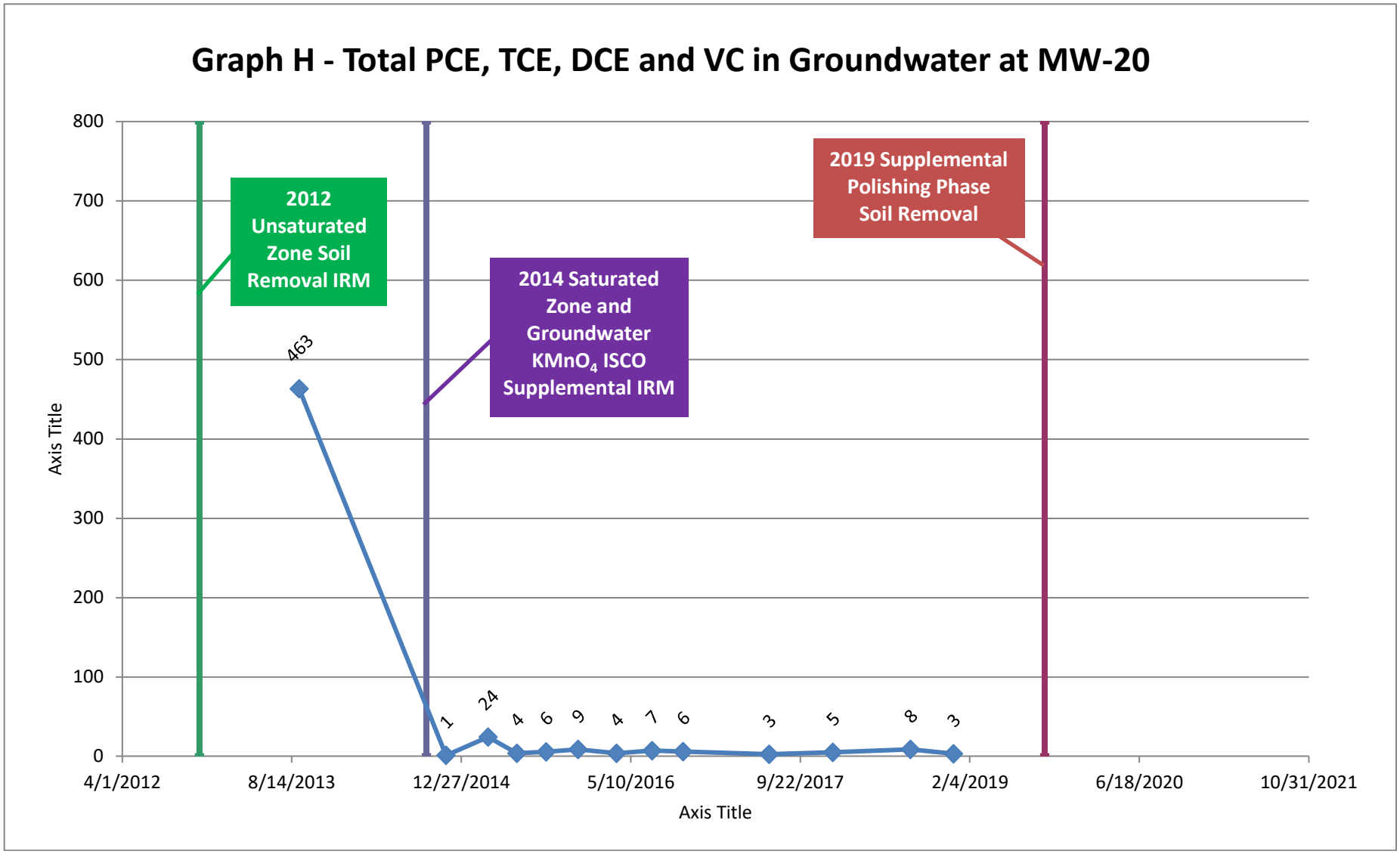

Graph D - Total PCE, TCE, DCE and VC In Groundwater at MW-11
Concentration ug/L or ppb
3000
2500
2000
1500
1000
500
0
2012 Unsaturated Zone Soil Removal IRM
2014 Saturated Zone and Groundwater $KMnO_4$ ISCO Supplemental IRM
2019 Supplemental Polishing Phase Soil Removal
227
139
29
16
8
4
0
9
16
58
1,318
5
1
300
67
232
211
26
400
454
11/18/2010
4/1/2012
8/14/2013
12/27/2014
5/10/2016
9/22/2017
2/4/2019
6/18/2020
10/31/2021
3/15/2023
7/27/2024
Date of Sample


Graph E - Total PCE, TCE, DCE and VC In Groundwater at MW-17/MW-17A
2012 Unsaturated Zone Soil
2014 Saturated Zone and Groundwater $KMnO_4$ ISCO Supplemental IRM
2019 Supplemental Polishing Phase Soil Removal
Concentration ug/L or ppb
25000
20000
15000
10000
5000
0
87
121
0
35
422
422
706
16,132
10,600
6,010
8,561
5,800
6,736
3,610
1,057
128
171
139
107
112
4/1/2012
8/14/2013
12/27/2014
5/10/2016
9/22/2017
2/4/2019
6/18/2020
10/31/2021
3/15/2023
Date of Sample

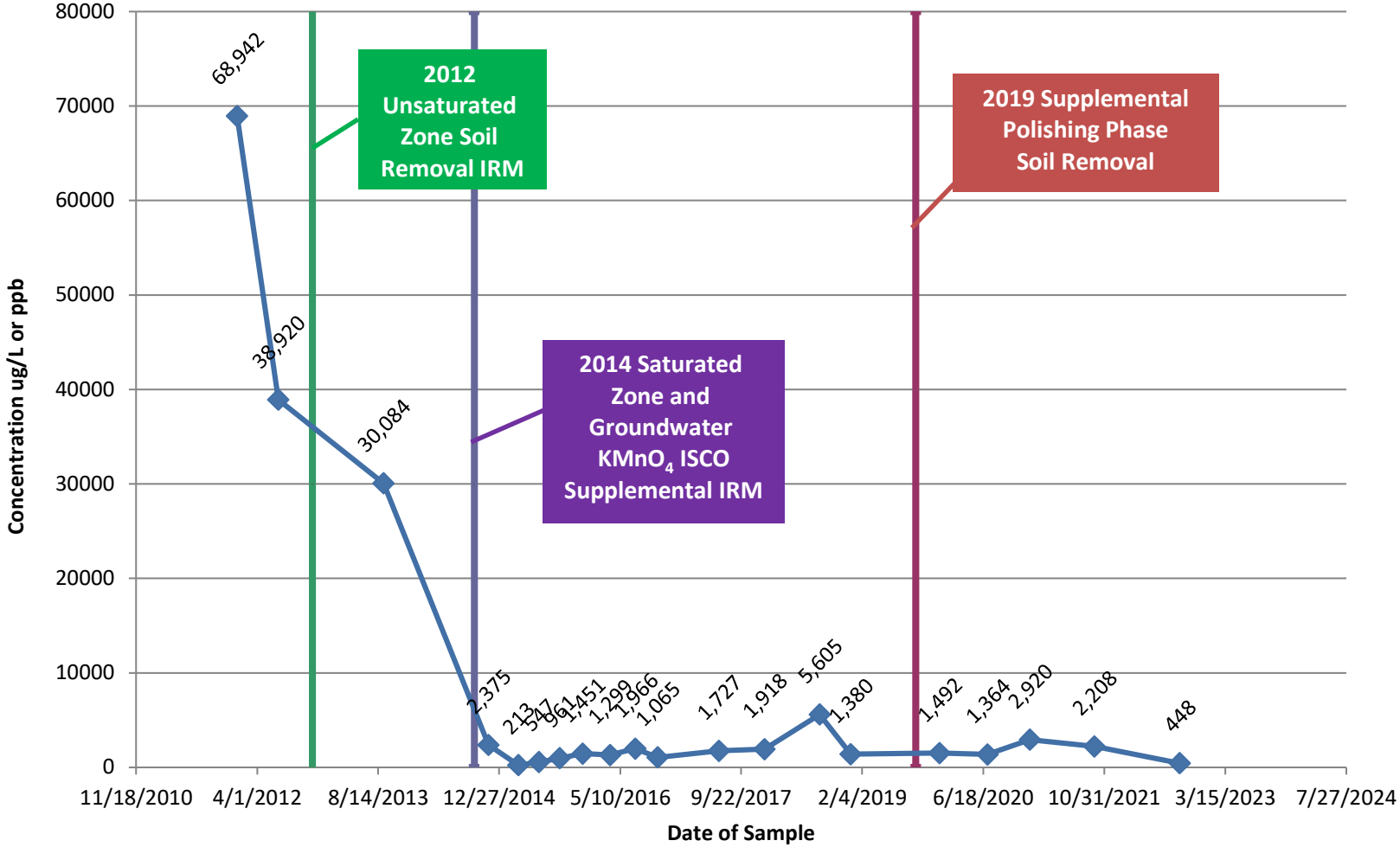

Graph F - Total PCE, TCE, DCE and VC In Groundwater at MW-18
2200
1700
1200
700
200
-300
Concentration ug/L or ppb
1,613
0
0
0
19
31
31
43
31
38
33
56
8
6
32
5
2012 Unsaturated Zone Soil Removal IRM
2014 Saturated Zone and Groundwater KMnO4 ISCO Supplemental IRM
2019 Supplemental Polishing Phase Soil Removal
4/1/2012
8/14/2013
12/27/2014
5/10/2016
9/22/2017
2/4/2019
6/18/2020
10/31/2021
Date of Sample


Graph G - Total PCE, TCE, DCE and VC In Groundwater at MW-19
2012 Unsaturated Zone Soil Removal IRM
2014 Saturated Zone and Groundwater $KMnO_4$ ISCO Supplemental IRM
2019 Supplemental Polishing Phase Soil Removal
Concentration ug/L or ppb
2200
1700
1200
700
200
-300
977
0
40
1
0
10
12
26
24
142
218
233
51
2
71
6
4/1/2012
8/14/2013
12/27/2014
5/10/2016
9/22/2017
2/4/2019
6/18/2020
10/31/2021
Date of Sample

Graph H - Total PCE, TCE, DCE and VC in Groundwater at MW-20



Graph I - Cumulative Total PCE, TCE, DCE and VC in Groundwater for Wells MW-01, MW-02, MW-03/MW-03A



CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

DATA PACKAGE

VOLATILE ORGANICS

PROJECT NAME : ANDREWS ST. SITE

DAY ENVIRONMENTAL, INC.

Canalside Business Center, 1563 Lyell Avenue

Rochester, NY - 14606

Phone No: 585-454-0210

ORDER ID : N4647

ATTENTION : Jeff Danzinger

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Cover Page

Order ID : N4647

Project ID : Andrews St. Site

Client : Day Environmental, Inc.

Lab Sample Number	Client Sample Number
N4647-01	1034-MW-01(23)
N4647-02	1035-MW-02(23.8)
N4647-03	N4647-02MS
N4647-04	N4647-02MSD
N4647-05	1036-MW-03A(17)
N4647-06	1037-MW-11(15)
N4647-07	1038-MW-17A(15.5)
N4647-08	1039-FB090822
N4647-09	1040-TB090822

I certify that the data package is in compliance with the terms and conditions of the contract,both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : N. N. Pandya

APPROVED
By Nimisha Pandya QA/QC Supervisor at 11:02 am, Sep 29, 2022
Date: 9/29/2022

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CHEMTECH
284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

CASE NARRATIVE

Day Environmental, Inc.
Project Name: Andrews St. Site
Project # N/A
Chemtech Project # N4647
Test Name: VOC-TCLVOA-10

A. Number of Samples and Date of Receipt:
9 Water samples were received on 09/12/2022.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: VOC-TCLVOA-10. This data package contains results for VOC-TCLVOA-10.

C. Analytical Techniques:
The analysis performed on instrument MSVOA_N were done using GC column RXI-624SIL MS 30m 0.25mm 1.4 um. Cat#13868.The analysis of VOC-TCLVOA-10 was based on method 8260-Low.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.

The MS {N4647-03MS} with File ID: VN074598.D recoveries met the requirements for all compounds except for Bromomethane[129%], Tetrachloroethene[240%], Toluene[148%] and Trichlorofluoromethane[134%] due to matrix interference.

The MSD {N4647-04MSD} with File ID: VN074599.D recoveries met the acceptable requirements except for Bromomethane[154%], Chloroethane[138%], cis-1,2-Dichloroethene[125%], Tetrachloroethene[260%], Toluene[125%] and Trichlorofluoromethane[138%],due to matrix interference.

The RPD for {N4647-04MSD} with File ID: VN074599.D met criteria except for Bromochloromethane[21%], Chloroethane[27%] and cis-1,2-Dichloroethene[26%]due to difference in results of MS-MSD.

The Blank Spike for {VN0917WBS02} with File ID: VN074553.D met requirements for all samples except for Bromomethane[175%], Chloroethane[184%], Chloromethane[117%] failing high but no positive hit in associated samples therefore no corrective action taken,and Vinyl chloride[128%]failing biased high and associated samples having hit for that but associated CCAL is passing therefore no corrective action taken,

The Blank Spike for {VN0919WBS01} with File ID: VN074580.D met requirements for all samples except for Chloromethane[117%], 2-Hexanone[120%], 4-Methyl-2-Pentanone[120%], Bromomethane[174%] , Chloroethane[165%]failing high but no positive hit in associated samples therefore no corrective action taken, and Vinyl chloride[126%]failing biased high and associated samples having hit for that but associated CCAL is passing therefore no corrective action taken.

The Blank analysis did not indicate the presence of lab contamination.
The %RSD is greater than 15% in the Initial Calibration method (82N091522W.M) for Chloromethane,1,1-Dichloroethene,Methylene Chloride,trans-1,2-Dichloroethene,Bromochloromethane,1,2,3-Trichlorobenzene these compounds are passing on Linear Regression.

The Continuous Calibration File ID VN074550.D met the requirements except for 2-Hexanone,4-Methyl-2-Pentanone,Bromomethane and Chloroethane,
The Continuous Calibration File ID VN074576.D met the requirements except for 2-Hexanone,4-Methyl-2-Pentanone,Bromomethane and Chloroethane,
Above mentioned CCAL failing high but no positive hit in associated samples therefore no corrective action taken.

The Tuning criteria met requirements.

Samples 1034-MW-01(23), 1037-MW-11(15) were diluted due to high concentrations.

E. Additional Comments:
The temperature of the samples at the time of receipt was 10.1°C
Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 15% for the Initial Calibration curve for SW-846 analysis.

F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature N. N. Pandya

APPROVED
By Nimisha Pandya QA/QC Supervisor at 11:03 am, Sep 29, 2022

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following " Results Qualifiers" are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value. This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as "12 B".
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

CHEMTECH 284 Sheffield Street, Mountainside New Jersey 07092
NEW JERSEY LAB ID#: 20012: NEW YORK LAB ID#: 11376

GC/MS VOA CONFORMANCE/NON-CONFORMANCE SUMMARY

CHEMTECH PROJECT NUMBER: N4647 MATRIX: Water

METHOD: 8260-Low

		NA	NO	YES
1.	Chromatograms Labeled/Compounds Identified. (Field samples and Method Blanks)			✓
2.	GC/MS Tuning Specifications BFB Meet Criteria (NOTE THAT THERE ARE DIFFERENT CRITERIA FOR NY ASP CLP, CLP AND NJ)			✓
3.	GC/MS Tuning Frequency - Performed every 24 hours for 600 series and 12 hours for 8000 Series.			✓
4.	GC/MS Calibration - Initial Calibration performed before sample analysis and continuing calibration performed within 24 hours of sample analysis for 600 series and 12 hours for 8000 series.			✓
5.	GC/MS Calibration Requirements. The %RSD is greater than 15% in the Initial Calibration method (82N091522W.M) for Chloromethane,1,1-Dichloroethene,Methylene Chloride,trans-1,2-Dichloroethene,Bromochloromethane,1,2,3-Trichlorobenzene these compounds are passing on Linear Regression. The Continuous Calibration File ID VN074550.D met the requirements except for 2-Hexanone,4-Methyl-2-Pentanone,Bromomethane and Chloroethane, The Continuous Calibration File ID VN074576.D met the requirements except for 2-Hexanone,4-Methyl-2-Pentanone,Bromomethane and Chloroethane, Above mentioned CCAL failing high but no positive hit in associated samples therefore no corrective action taken.		✓	
6.	Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
7.	Surrogate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable ranges.			✓

GC/MS VOA CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

		NA	NO	YES
8.	Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria		✓	

If not met, list those compounds and their recoveries which fall outside the acceptable range.

The MS {N4647-03MS} with File ID: VN074598.D recoveries met the requirements for all compounds except for Bromomethane[129%], Tetrachloroethene[240%], Toluene[148%] and Trichlorofluoromethane[134%] due to matrix interference.

The MSD {N4647-04MSD} with File ID: VN074599.D recoveries met the acceptable requirements except for Bromomethane[154%], Chloroethane[138%], cis-1,2-Dichloroethene[125%], Tetrachloroethene[260%], Toluene[125%] and Trichlorofluoromethane[138%],due to matrix interference.

The Blank Spike for {VN0917WBS02} with File ID: VN074553.D met requirements for all samples except for Bromomethane[175%], Chloroethane[184%], Chloromethane[117%] failing high but no positive hit in associated samples therefore no corrective action taken,and Vinyl chloride[128%]failing biased high and associated samples having hit for that but associated CCAL is passing therefore no corrective action taken,

The Blank Spike for {VN0919WBS01} with File ID: VN074580.D met requirements for all samples except for Chloromethane[117%], 2-Hexanone[120%], 4-Methyl-2-Pentanone[120%], Bromomethane[174%] , Chloroethane[165%]failing high but no positive hit in associated samples therefore no corrective action taken, and Vinyl chloride[126%]failing biased high and associated samples having hit for that but associated CCAL is passing therefore no corrective action taken.

The RPD for {N4647-04MSD} with File ID: VN074599.D met criteria except for Bromochloromethane[21%], Chloroethane[27%] and cis-1,2-Dichloroethene[26%]due to difference in results of MS-MSD.

9.	Internal Standard Area/Retention Time Shift Meet Criteria			✓

Comments:

10.	Analysis Holding Time Met			✓

If not met, list number of days exceeded for each sample:

ADDITIONAL COMMENTS:

Samples 1034-MW-01(23), 1037-MW-11(15) were diluted due to high concentrations.

The temperature of the samples at the time of receipt was 10.1°C

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15% for the Initial Calibration curve and use %D calculated based on Amount added

GC/MS VOA CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

NA NO YES

and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 15% for the Initial Calibration curve for SW-846 analysis.

S. M. Jodhani
QA REVIEW

REVIEWED
By Sohil Jodhani, QA/QC Director at 10:15 am, Sep 29, 2022

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: N4647

	Completed
For thorough review, the report must have the following:	
GENERAL:	
Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)	✓
Check chain-of-custody for proper relinquish/return of samples	✓
Is the chain of custody signed and complete	✓
Check internal chain-of-custody for proper relinquish/return of samples /sample extracts	✓
Collect information for each project id from server. Were all requirements followed	✓
COVER PAGE:	
Do numbers of samples correspond to the number of samples in the Chain of Custody on login page	✓
Do lab numbers and client Ids on cover page agree with the Chain of Custody	✓
CHAIN OF CUSTODY:	
Do requested analyses on Chain of Custody agree with form I results	✓
Do requested analyses on Chain of Custody agree with the log-in page	✓
Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody	✓
Were the samples received within hold time	✓
Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle	✓
ANALYTICAL:	
Was method requirement followed?	✓
Was client requirement followed?	✓
Does the case narrative summarize all QC failure?	✓
All runlogs and manual integration are reviewed for requirements	✓
All manual calculations and /or hand notations verified	✓

1st Level QA Review Signature: SOHIL JODHANI **Date:** 09/29/2022

2nd Level QA Review Signature: N. N. Pandya

APPROVED
By Nimisha Pandya QA/QC Supervisor at 11:03 am, Sep 29, 2022

CHEMTECH

284 Sheffield Street, Mountainside, New Jersey - 07092

Phone: (908) 789 8900 Fax: (908) 789 8922

LAB CHRONICLE

OrderID:	N4647	**OrderDate:**	9/15/2022 9:20:41 AM
Client:	Day Environmental, Inc.	**Project:**	Andrews St. Site
Contact:	Jeff Danzinger	**Location:**	N11,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
N4647-01	**1034-MW-01(23)**	**Water**			**09/08/22**			**09/12/22**
			VOC-TCLVOA-10	8260-Low			09/17/22	
N4647-01DL	**1034-MW-01(23)DL**	**Water**			**09/08/22**			**09/12/22**
			VOC-TCLVOA-10	8260-Low			09/19/22	
N4647-02	**1035-MW-02(23.8)**	**Water**			**09/08/22**			**09/12/22**
			VOC-TCLVOA-10	8260-Low			09/17/22	
N4647-05	**1036-MW-03A(17)**	**Water**			**09/08/22**			**09/12/22**
			VOC-TCLVOA-10	8260-Low			09/17/22	
N4647-06	**1037-MW-11(15)**	**Water**			**09/08/22**			**09/12/22**
			VOC-TCLVOA-10	8260-Low			09/17/22	
N4647-06DL	**1037-MW-11(15)DL**	**Water**			**09/08/22**			**09/12/22**
			VOC-TCLVOA-10	8260-Low			09/19/22	
N4647-07	**1038-MW-17A(15.5)**	**Water**			**09/08/22**			**09/12/22**
			VOC-TCLVOA-10	8260-Low			09/19/22	
N4647-08	**1039-FB090822**	**Water**			**09/08/22**			**09/12/22**
			VOC-TCLVOA-10	8260-Low			09/19/22	
N4647-09	**1040-TB090822**	**Water**			**09/08/22**			**09/12/22**
			VOC-TCLVOA-10	8260-Low			09/19/22	

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Hit Summary Sheet
SW-846

SDG No.: N4647

Client: Day Environmental, Inc.

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID:	**1034-MW-01(23)**								
N4647-01	1034-MW-01(23)	Water	Acetone		20.6		1.20	5.00	ug/L
N4647-01	1034-MW-01(23)	Water	Trichloroethene		0.55	J	0.27	1.00	ug/L
N4647-01	1034-MW-01(23)	Water	Tetrachloroethene		240	E	0.18	1.00	ug/L
			Total Voc :		261				
N4647-01	1034-MW-01(23)	Water	Sulfur dioxide	*	24.2	J	0	0	ug/L
N4647-01	1034-MW-01(23)	Water	Tetrahydrofuran	*	1.40	J	0.70	5.00	ug/L
			Total Tics :		25.6				
			Total Concentration:		287				
Client ID:	**1034-MW-01(23)DL**								
N4647-01DL	1034-MW-01(23)DL	Water	Acetone		28.6	D	5.80	25.0	ug/L
N4647-01DL	1034-MW-01(23)DL	Water	Tetrachloroethene		250	D	0.90	5.00	ug/L
			Total Voc :		279				
			Total Concentration:		279				
Client ID:	**1035-MW-02(23.8)**								
N4647-02	1035-MW-02(23.8)	Water	Vinyl Chloride		4.40	Q	0.22	1.00	ug/L
N4647-02	1035-MW-02(23.8)	Water	Acetone		15.2		1.20	5.00	ug/L
N4647-02	1035-MW-02(23.8)	Water	trans-1,2-Dichloroethene		1.80		0.20	1.00	ug/L
N4647-02	1035-MW-02(23.8)	Water	2-Butanone		3.60	J	0.82	5.00	ug/L
N4647-02	1035-MW-02(23.8)	Water	cis-1,2-Dichloroethene		34.1		0.17	1.00	ug/L
N4647-02	1035-MW-02(23.8)	Water	Trichloroethene		30.3		0.27	1.00	ug/L
N4647-02	1035-MW-02(23.8)	Water	Tetrachloroethene		59.8		0.18	1.00	ug/L
			Total Voc :		149				
N4647-02	1035-MW-02(23.8)	Water	tert-Butyl isopropyl disulfide, p	*	5.60	J	0	0	ug/L
N4647-02	1035-MW-02(23.8)	Water	Sulfur dioxide	*	25.7	J	0	0	ug/L
N4647-02	1035-MW-02(23.8)	Water	Tetrahydrofuran	*	1.60	J	0.70	5.00	ug/L
			Total Tics :		32.9				
			Total Concentration:		182				
Client ID:	**1036-MW-03A(17)**								
N4647-05	1036-MW-03A(17)	Water	Acetone		16.5		1.20	5.00	ug/L
N4647-05	1036-MW-03A(17)	Water	trans-1,2-Dichloroethene		2.80		0.20	1.00	ug/L
N4647-05	1036-MW-03A(17)	Water	cis-1,2-Dichloroethene		14.5		0.17	1.00	ug/L
N4647-05	1036-MW-03A(17)	Water	Trichloroethene		22.4		0.27	1.00	ug/L
N4647-05	1036-MW-03A(17)	Water	Tetrachloroethene		27.6		0.18	1.00	ug/L
			Total Voc :		83.8				
N4647-05	1036-MW-03A(17)	Water	Ethyl Chloride	*	6.60	J	0	0	ug/L
N4647-05	1036-MW-03A(17)	Water	Sulfur dioxide	*	23.0	J	0	0	ug/L
N4647-05	1036-MW-03A(17)	Water	Tetrahydrofuran	*	1.40	J	0.70	5.00	ug/L
			Total Tics :		31.0				

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Hit Summary Sheet
SW-846

SDG No.: N4647

Client: Day Environmental, Inc.

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
			Total Concentration:		115				
Client ID:	**1037-MW-11(15)**								
N4647-06	1037-MW-11(15)	Water	Vinyl Chloride		2.20	Q	0.22	1.00	ug/L
N4647-06	1037-MW-11(15)	Water	Acetone		14.5		1.20	5.00	ug/L
N4647-06	1037-MW-11(15)	Water	trans-1,2-Dichloroethene		1.00		0.20	1.00	ug/L
N4647-06	1037-MW-11(15)	Water	cis-1,2-Dichloroethene		41.8		0.17	1.00	ug/L
N4647-06	1037-MW-11(15)	Water	Trichloroethene		140	E	0.27	1.00	ug/L
N4647-06	1037-MW-11(15)	Water	Tetrachloroethene		410	E	0.18	1.00	ug/L
			Total Voc :		610				
N4647-06	1037-MW-11(15)	Water	Sulfur dioxide	*	21.3	J	0	0	ug/L
N4647-06	1037-MW-11(15)	Water	Tetrahydrofuran	*	1.20	J	0.70	5.00	ug/L
			Total Tics :		22.5				
			Total Concentration:		632				
Client ID:	**1037-MW-11(15)DL**								
N4647-06DL	1037-MW-11(15)Dl	Water	Acetone		20.8	JD	11.6	50.0	ug/L
N4647-06DL	1037-MW-11(15)Dl	Water	cis-1,2-Dichloroethene		38.5	D	1.70	10.0	ug/L
N4647-06DL	1037-MW-11(15)Dl	Water	Trichloroethene		110	D	2.70	10.0	ug/L
N4647-06DL	1037-MW-11(15)Dl	Water	Tetrachloroethene		300	D	1.80	10.0	ug/L
			Total Voc :		469				
			Total Concentration:		469				
Client ID:	**1038-MW-17A(15.5)**								
N4647-07	1038-MW-17A(15.5	Water	Vinyl Chloride		18.8	Q	0.22	1.00	ug/L
N4647-07	1038-MW-17A(15.5	Water	Acetone		14.8		1.20	5.00	ug/L
N4647-07	1038-MW-17A(15.5	Water	trans-1,2-Dichloroethene		1.30		0.20	1.00	ug/L
N4647-07	1038-MW-17A(15.5	Water	cis-1,2-Dichloroethene		78.6		0.17	1.00	ug/L
N4647-07	1038-MW-17A(15.5	Water	Trichloroethene		11.2		0.27	1.00	ug/L
N4647-07	1038-MW-17A(15.5	Water	Tetrachloroethene		2.20		0.18	1.00	ug/L
			Total Voc :		127				
N4647-07	1038-MW-17A(15.5	Water	Tetrahydrofuran	*	1.40	J	0.70	5.00	ug/L
			Total Tics :		1.40				
			Total Concentration:		128				
Client ID:	**1039-FB090822**								
N4647-08	1039-FB090822	Water	Acetone		29.3		1.20	5.00	ug/L
N4647-08	1039-FB090822	Water	2-Butanone		3.90	J	0.82	5.00	ug/L
N4647-08	1039-FB090822	Water	Toluene		1.00		0.17	1.00	ug/L
			Total Voc :		34.2				
N4647-08	1039-FB090822	Water	1-Hexanol, 2-ethyl-	*	61.2	J	0	0	ug/L
N4647-08	1039-FB090822	Water	2,4,6-Triamino-5-pyrimidinyl h	*	7.20	J	0	0	ug/L
N4647-08	1039-FB090822	Water	Sulfur dioxide	*	22.4	J	0	0	ug/L

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Hit Summary Sheet
SW-846

SDG No.: N4647

Client: Day Environmental, Inc.

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
			Total Tics :		90.8				
			Total Concentration:		125				
Client ID:	**1040-TB090822**								
N4647-09	1040-TB090822	Water	4,6-Diamino-5-pyrimidinyl hyd	*	9.20	J	0	0	ug/L
N4647-09	1040-TB090822	Water	Sulfur dioxide	*	19.2	J	0	0	ug/L
			Total Tics :		28.4				
			Total Concentration:		28.4				

QC SUMMARY

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Surrogate Summary

SDG No.: N4647

Client: Day Environmental, Inc.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
N4647-01	1034-MW-01(23)	1,2-Dichloroethane-d4	50	47.3	95	74	125
		Dibromofluoromethane	50	51.2	102	75	124
		Toluene-d8	50	48.2	96	86	113
		4-Bromofluorobenzene	50	52.5	105	83	123
N4647-01DL	1034-MW-01(23)DL	1,2-Dichloroethane-d4	50	46.5	93	74	125
		Dibromofluoromethane	50	53.7	107	75	124
		Toluene-d8	50	49.3	99	86	113
		4-Bromofluorobenzene	50	53.4	107	83	123
N4647-02	1035-MW-02(23.8)	1,2-Dichloroethane-d4	50	46.2	92	74	125
		Dibromofluoromethane	50	50.4	101	75	124
		Toluene-d8	50	47.8	96	86	113
		4-Bromofluorobenzene	50	53.8	108	83	123
N4647-03MS	1035-MW-02(23.8)MS	1,2-Dichloroethane-d4	50	48.6	97	74	125
		Dibromofluoromethane	50	52.9	106	75	124
		Toluene-d8	50	50.4	101	86	113
		4-Bromofluorobenzene	50	49.7	99	83	123
N4647-04MSD	1035-MW-02(23.8)MSD	1,2-Dichloroethane-d4	50	55.0	110	74	125
		Dibromofluoromethane	50	53.9	108	75	124
		Toluene-d8	50	52.0	104	86	113
		4-Bromofluorobenzene	50	52.6	105	83	123
N4647-05	1036-MW-03A(17)	1,2-Dichloroethane-d4	50	48.0	96	74	125
		Dibromofluoromethane	50	50.6	101	75	124
		Toluene-d8	50	48.8	98	86	113
		4-Bromofluorobenzene	50	53.9	108	83	123
N4647-06	1037-MW-11(15)	1,2-Dichloroethane-d4	50	47.8	96	74	125
		Dibromofluoromethane	50	49.7	99	75	124
		Toluene-d8	50	47.2	94	86	113
		4-Bromofluorobenzene	50	54.1	108	83	123
N4647-06DL	1037-MW-11(15)DL	1,2-Dichloroethane-d4	50	46.0	92	74	125
		Dibromofluoromethane	50	50.5	101	75	124
		Toluene-d8	50	47.7	95	86	113
		4-Bromofluorobenzene	50	52.0	104	83	123
N4647-07	1038-MW-17A(15.5)	1,2-Dichloroethane-d4	50	47.3	95	74	125
		Dibromofluoromethane	50	50.6	101	75	124
		Toluene-d8	50	47.0	94	86	113
		4-Bromofluorobenzene	50	51.9	104	83	123
N4647-08	1039-FB090822	1,2-Dichloroethane-d4	50	47.7	95	74	125
		Dibromofluoromethane	50	51.8	104	75	124
		Toluene-d8	50	48.9	98	86	113
		4-Bromofluorobenzene	50	54.5	109	83	123
N4647-09	1040-TB090822	1,2-Dichloroethane-d4	50	46.9	94	74	125
		Dibromofluoromethane	50	50.5	101	75	124
		Toluene-d8	50	47.9	96	86	113
		4-Bromofluorobenzene	50	51.5	103	83	123
VN0917WBL01	VN0917WBL01	1,2-Dichloroethane-d4	50	46.1	92	74	125
		Dibromofluoromethane	50	48.1	96	75	124
		Toluene-d8	50	45.3	91	86	113
		4-Bromofluorobenzene	50	48.8	98	83	123
VN0917WBS02	VN0917WBS02	1,2-Dichloroethane-d4	50	51.0	102	74	125
		Dibromofluoromethane	50	49.9	100	75	124
		Toluene-d8	50	48.7	97	86	113
		4-Bromofluorobenzene	50	46.6	93	83	123

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Surrogate Summary

SDG No.: N4647

Client: Day Environmental, Inc.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
VN0919WBL01	VN0919WBL01	1,2-Dichloroethane-d4	50	47.7	95	74	125
		Dibromofluoromethane	50	50.5	101	75	124
		Toluene-d8	50	47.7	95	86	113
		4-Bromofluorobenzene	50	53.0	106	83	123
VN0919WBS01	VN0919WBS01	1,2-Dichloroethane-d4	50	52.4	105	74	125
		Dibromofluoromethane	50	52.3	105	75	124
		Toluene-d8	50	49.9	100	86	113
		4-Bromofluorobenzene	50	48.9	98	83	123

CHEMTECH

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: N4647

Client: Day Environmental, Inc.

Analytical Method: SW8260-Low

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID : N4647-03MS		**Client Sample ID : 1035-MW-02(23.8)MS**						**Datafile :**	VN074598.D		
Dichlorodifluoromethane	50	0	43.6	ug/L	87				73	120	
Chloromethane	50	0	52.5	ug/L	105				58	133	
Vinyl chloride	50	4.40	59.4	ug/L	110				69	125	
Bromomethane	50	0	64.4	ug/L	129	*			61	120	
Chloroethane	50	0	52.7	ug/L	105				58	134	
Trichlorofluoromethane	50	0	66.9	ug/L	134	*			72	124	
1,1,2-Trichlorotrifluoroethane	50	0	44.7	ug/L	89				75	117	
1,1-Dichloroethene	50	0	45.1	ug/L	90				77	118	
Acetone	250	15.2	260	ug/L	98				57	139	
Carbon disulfide	50	0	40.4	ug/L	81				67	118	
Methyl tert-butyl Ether	50	0	46.0	ug/L	92				60	148	
Methyl Acetate	50	0	43.3	ug/L	87				60	133	
Methylene Chloride	50	0	45.5	ug/L	91				79	115	
trans-1,2-Dichloroethene	50	1.80	44.4	ug/L	85				76	118	
1,1-Dichloroethane	50	0	44.5	ug/L	89				78	122	
Cyclohexane	50	0	41.7	ug/L	83				71	119	
2-Butanone	250	3.60	250	ug/L	99				67	137	
Carbon Tetrachloride	50	0	44.2	ug/L	88				84	115	
cis-1,2-Dichloroethene	50	34.1	82.0	ug/L	96				82	124	
Bromochloromethane	50	0	44.6	ug/L	89				72	130	
Chloroform	50	0	45.2	ug/L	90				83	119	
1,1,1-Trichloroethane	50	0	42.2	ug/L	84				83	117	
Methylcyclohexane	50	0	42.4	ug/L	85				64	120	
Benzene	50	0	45.5	ug/L	91				63	133	
1,2-Dichloroethane	50	0	46.3	ug/L	93				76	120	
Trichloroethene	50	30.3	82.5	ug/L	104				33	175	
1,2-Dichloropropane	50	0	45.5	ug/L	91				85	116	
Bromodichloromethane	50	0	45.5	ug/L	91				86	117	
4-Methyl-2-Pentanone	250	0	260	ug/L	104				72	137	
Toluene	50	0	74.1	ug/L	148	*			85	115	
t-1,3-Dichloropropene	50	0	43.3	ug/L	87				78	117	
cis-1,3-Dichloropropene	50	0	42.8	ug/L	86				77	115	
1,1,2-Trichloroethane	50	0	44.7	ug/L	89				87	119	
2-Hexanone	250	0	270	ug/L	108				75	131	
Dibromochloromethane	50	0	45.0	ug/L	90				88	118	
1,2-Dibromoethane	50	0	45.3	ug/L	91				85	119	
Tetrachloroethene	50	59.8	180	ug/L	240	*			65	114	
Chlorobenzene	50	0	46.0	ug/L	92				85	114	
Ethyl Benzene	50	0	52.9	ug/L	106				62	134	
m/p-Xylenes	100	0	130	ug/L	130				47	145	
o-Xylene	50	0	59.9	ug/L	120				56	140	
Styrene	50	0	48.8	ug/L	98				84	128	
Bromoform	50	0	47.3	ug/L	95				83	121	
Isopropylbenzene	50	0	47.5	ug/L	95				76	121	
1,1,2,2-Tetrachloroethane	50	0	46.8	ug/L	94				66	145	
1,3-Dichlorobenzene	50	0	46.9	ug/L	94				84	110	
1,4-Dichlorobenzene	50	0	46.4	ug/L	93				81	111	

CHEMTECH

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: N4647

Client: Day Environmental, Inc.

Analytical Method: SW8260-Low

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
1,2-Dichlorobenzene	50	0	45.8	ug/L	92				82	113	
1,2-Dibromo-3-Chloropropane	50	0	46.1	ug/L	92				79	137	
1,2,4-Trichlorobenzene	50	0	46.3	ug/L	93				73	120	
1,2,3-Trichlorobenzene	50	0	43.9	ug/L	88				75	119	

CHEMTECH

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: N4647

Client: Day Environmental, Inc.

Analytical Method: SW8260-Low

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID : N4647-04MSD	**Client Sample ID :** 1035-MW-02(23.8)MSD							**Datafile :** VN074599.D			
Dichlorodifluoromethane	50	0	43.3	ug/L	87		1		73	120	20
Chloromethane	50	0	61.1	ug/L	122		15		58	133	20
Vinyl chloride	50	4.40	65.2	ug/L	122		10		69	125	20
Bromomethane	50	0	77.2	ug/L	154	*	18		61	120	20
Chloroethane	50	0	69.0	ug/L	138	*	27	*	58	134	20
Trichlorofluoromethane	50	0	69.0	ug/L	138	*	3		72	124	20
1,1,2-Trichlorotrifluoroethane	50	0	49.4	ug/L	99		10		75	117	20
1,1-Dichloroethene	50	0	51.4	ug/L	103		13		77	118	20
Acetone	250	15.2	310	ug/L	118		19		57	139	20
Carbon disulfide	50	0	45.4	ug/L	91		12		67	118	20
Methyl tert-butyl Ether	50	0	52.7	ug/L	105		14		60	148	20
Methyl Acetate	50	0	51.9	ug/L	104		18		60	133	20
Methylene Chloride	50	0	51.7	ug/L	103		13		79	115	20
trans-1,2-Dichloroethene	50	1.80	49.9	ug/L	96		12		76	118	20
1,1-Dichloroethane	50	0	52.1	ug/L	104		16		78	122	20
Cyclohexane	50	0	47.4	ug/L	95		13		71	119	20
2-Butanone	250	3.60	300	ug/L	119		18		67	137	20
Carbon Tetrachloride	50	0	48.7	ug/L	97		10		84	115	20
cis-1,2-Dichloroethene	50	34.1	96.5	ug/L	125	*	26	*	82	124	20
Bromochloromethane	50	0	54.9	ug/L	110		21	*	72	130	20
Chloroform	50	0	52.7	ug/L	105		15		83	119	20
1,1,1-Trichloroethane	50	0	49.8	ug/L	100		17		83	117	20
Methylcyclohexane	50	0	47.1	ug/L	94		11		64	120	20
Benzene	50	0	50.0	ug/L	100		9		63	133	20
1,2-Dichloroethane	50	0	52.7	ug/L	105		13		76	120	20
Trichloroethene	50	30.3	93.6	ug/L	127		20		33	175	20
1,2-Dichloropropane	50	0	52.3	ug/L	105		14		85	116	20
Bromodichloromethane	50	0	52.1	ug/L	104		14		86	117	20
4-Methyl-2-Pentanone	250	0	300	ug/L	120		14		72	137	20
Toluene	50	0	62.3	ug/L	125	*	17		85	115	20
t-1,3-Dichloropropene	50	0	48.1	ug/L	96		11		78	117	20
cis-1,3-Dichloropropene	50	0	48.4	ug/L	97		12		77	115	20
1,1,2-Trichloroethane	50	0	51.4	ug/L	103		14		87	119	20
2-Hexanone	250	0	310	ug/L	124		14		75	131	20
Dibromochloromethane	50	0	51.4	ug/L	103		13		88	118	20
1,2-Dibromoethane	50	0	51.9	ug/L	104		14		85	119	20
Tetrachloroethene	50	59.8	190	ug/L	260	*	8		65	114	20
Chlorobenzene	50	0	47.2	ug/L	94		3		85	114	20
Ethyl Benzene	50	0	51.1	ug/L	102		3		62	134	20
m/p-Xylenes	100	0	120	ug/L	120		8		47	145	20
o-Xylene	50	0	55.0	ug/L	110		9		56	140	20
Styrene	50	0	48.6	ug/L	97		0		84	128	20
Bromoform	50	0	50.3	ug/L	101		6		83	121	20
Isopropylbenzene	50	0	49.0	ug/L	98		3		76	121	20
1,1,2,2-Tetrachloroethane	50	0	50.1	ug/L	100		7		66	145	20
1,3-Dichlorobenzene	50	0	47.0	ug/L	94		0		84	110	20
1,4-Dichlorobenzene	50	0	47.5	ug/L	95		2		81	111	20

CHEMTECH

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: N4647

Client: Day Environmental, Inc.

Analytical Method: SW8260-Low

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
1,2-Dichlorobenzene	50	0	47.8	ug/L	96		4		82	113	20
1,2-Dibromo-3-Chloropropane	50	0	50.0	ug/L	100		8		79	137	20
1,2,4-Trichlorobenzene	50	0	47.7	ug/L	95		3		73	120	20
1,2,3-Trichlorobenzene	50	0	47.4	ug/L	95		8		75	119	20

CHEMTECH

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: N4647

Client: Day Environmental, Inc.

Analytical Method: SW8260-Low **Datafile :** VN074553.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0917WBS02	Dichlorodifluoromethane	20	18.2	ug/L	91			69	116	
	Chloromethane	20	23.4	ug/L	117		*	65	116	
	Vinyl chloride	20	25.5	ug/L	128		*	65	117	
	Bromomethane	20	34.9	ug/L	175		*	34	158	
	Chloroethane	20	36.7	ug/L	184		*	53	135	
	Trichlorofluoromethane	20	19.5	ug/L	98			73	115	
	1,1,2-Trichlorotrifluoroethane	20	20.1	ug/L	101			80	112	
	1,1-Dichloroethene	20	20.4	ug/L	102			74	110	
	Acetone	100	110	ug/L	110			60	125	
	Carbon disulfide	20	17.6	ug/L	88			64	112	
	Methyl tert-butyl Ether	20	19.8	ug/L	99			78	114	
	Methyl Acetate	20	21.3	ug/L	106			67	125	
	Methylene Chloride	20	20.8	ug/L	104			72	114	
	trans-1,2-Dichloroethene	20	19.6	ug/L	98			75	108	
	1,1-Dichloroethane	20	20.8	ug/L	104			78	112	
	Cyclohexane	20	19.4	ug/L	97			75	110	
	2-Butanone	100	110	ug/L	110			65	122	
	Carbon Tetrachloride	20	18.4	ug/L	92			77	113	
	cis-1,2-Dichloroethene	20	19.1	ug/L	96			77	110	
	Bromochloromethane	20	20.3	ug/L	102			70	124	
	Chloroform	20	20.4	ug/L	102			79	113	
	1,1,1-Trichloroethane	20	19.0	ug/L	95			80	108	
	Methylcyclohexane	20	19.5	ug/L	98			72	115	
	Benzene	20	19.9	ug/L	100			82	109	
	1,2-Dichloroethane	20	20.3	ug/L	102			80	115	
	Trichloroethene	20	18.2	ug/L	91			77	113	
	1,2-Dichloropropane	20	20.2	ug/L	101			83	111	
	Bromodichloromethane	20	20.6	ug/L	103			83	110	
	4-Methyl-2-Pentanone	100	110	ug/L	110			74	118	
	Toluene	20	20.7	ug/L	104			82	110	
	t-1,3-Dichloropropene	20	18.9	ug/L	95			79	110	
	cis-1,3-Dichloropropene	20	19.1	ug/L	96			82	110	
	1,1,2-Trichloroethane	20	19.2	ug/L	96			83	112	
	2-Hexanone	100	110	ug/L	110			73	117	
	Dibromochloromethane	20	20.1	ug/L	101			82	110	
	1,2-Dibromoethane	20	20.1	ug/L	101			81	110	
	Tetrachloroethene	20	18.4	ug/L	92			67	123	
	Chlorobenzene	20	19.3	ug/L	97			82	109	
	Ethyl Benzene	20	20.1	ug/L	101			83	109	
	m/p-Xylenes	40	40.7	ug/L	102			82	110	
	o-Xylene	20	19.8	ug/L	99			83	109	
	Styrene	20	19.1	ug/L	96			80	111	
	Bromoform	20	19.0	ug/L	95			79	109	
	Isopropylbenzene	20	19.5	ug/L	98			83	112	
	1,1,2,2-Tetrachloroethane	20	20.5	ug/L	103			76	118	
	1,3-Dichlorobenzene	20	19.5	ug/L	98			82	108	
	1,4-Dichlorobenzene	20	18.8	ug/L	94			82	107	
	1,2-Dichlorobenzene	20	19.6	ug/L	98			82	109	
	1,2-Dibromo-3-Chloropropane	20	17.2	ug/L	86			68	112	

CHEMTECH

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: N4647

Client: Day Environmental, Inc.

Analytical Method: SW8260-Low **Datafile :** VN074553.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VN0917WBS02	1,2,4-Trichlorobenzene	20	18.9	ug/L	95			74	114	
	1,2,3-Trichlorobenzene	20	19.3	ug/L	97			77	113	

CHEMTECH

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: N4647

Client: Day Environmental, Inc.

Analytical Method: SW8260-Low **Datafile :** VN074580.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0919WBS01	Dichlorodifluoromethane	20	16.9	ug/L	85			69	116	
	Chloromethane	20	23.4	ug/L	117		*	65	116	
	Vinyl chloride	20	25.1	ug/L	126		*	65	117	
	Bromomethane	20	34.7	ug/L	174		*	34	158	
	Chloroethane	20	32.9	ug/L	165		*	53	135	
	Trichlorofluoromethane	20	17.9	ug/L	90			73	115	
	1,1,2-Trichlorotrifluoroethane	20	20.0	ug/L	100			80	112	
	1,1-Dichloroethene	20	20.0	ug/L	100			74	110	
	Acetone	100	110	ug/L	110			60	125	
	Carbon disulfide	20	17.5	ug/L	88			64	112	
	Methyl tert-butyl Ether	20	20.3	ug/L	102			78	114	
	Methyl Acetate	20	22.7	ug/L	114			67	125	
	Methylene Chloride	20	21.3	ug/L	106			72	114	
	trans-1,2-Dichloroethene	20	19.5	ug/L	98			75	108	
	1,1-Dichloroethane	20	20.2	ug/L	101			78	112	
	Cyclohexane	20	19.3	ug/L	97			75	110	
	2-Butanone	100	120	ug/L	120			65	122	
	Carbon Tetrachloride	20	18.5	ug/L	93			77	113	
	cis-1,2-Dichloroethene	20	18.4	ug/L	92			77	110	
	Bromochloromethane	20	20.6	ug/L	103			70	124	
	Chloroform	20	20.4	ug/L	102			79	113	
	1,1,1-Trichloroethane	20	18.4	ug/L	92			80	108	
	Methylcyclohexane	20	18.7	ug/L	94			72	115	
	Benzene	20	20.3	ug/L	102			82	109	
	1,2-Dichloroethane	20	21.0	ug/L	105			80	115	
	Trichloroethene	20	18.8	ug/L	94			77	113	
	1,2-Dichloropropane	20	20.5	ug/L	103			83	111	
	Bromodichloromethane	20	21.9	ug/L	110			83	110	
	4-Methyl-2-Pentanone	100	120	ug/L	120		*	74	118	
	Toluene	20	20.9	ug/L	104			82	110	
	t-1,3-Dichloropropene	20	20.0	ug/L	100			79	110	
	cis-1,3-Dichloropropene	20	19.1	ug/L	96			82	110	
	1,1,2-Trichloroethane	20	20.7	ug/L	104			83	112	
	2-Hexanone	100	120	ug/L	120		*	73	117	
	Dibromochloromethane	20	20.7	ug/L	104			82	110	
	1,2-Dibromoethane	20	21.2	ug/L	106			81	110	
	Tetrachloroethene	20	18.7	ug/L	94			67	123	
	Chlorobenzene	20	19.3	ug/L	97			82	109	
	Ethyl Benzene	20	19.5	ug/L	98			83	109	
	m/p-Xylenes	40	39.8	ug/L	100			82	110	
	o-Xylene	20	19.4	ug/L	97			83	109	
	Styrene	20	19.6	ug/L	98			80	111	
	Bromoform	20	19.0	ug/L	95			79	109	
	Isopropylbenzene	20	19.9	ug/L	100			83	112	
	1,1,2,2-Tetrachloroethane	20	20.2	ug/L	101			76	118	
	1,3-Dichlorobenzene	20	19.7	ug/L	99			82	108	
	1,4-Dichlorobenzene	20	19.7	ug/L	99			82	107	
	1,2-Dichlorobenzene	20	19.7	ug/L	99			82	109	
	1,2-Dibromo-3-Chloropropane	20	19.6	ug/L	98			68	112	

CHEMTECH

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: N4647

Client: Day Environmental, Inc.

Analytical Method: SW8260-Low **Datafile :** VN074580.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VN0919WBS01	1,2,4-Trichlorobenzene	20	19.5	ug/L	98			74	114	
	1,2,3-Trichlorobenzene	20	19.4	ug/L	97			77	113	

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN0917WBL01

Lab Name: CHEMTECH Contract: DAYE01

Lab Code: CHEM Case No.: N4647 SAS No.: N4647 SDG NO.: N4647

Lab File ID: VN074551.D Lab Sample ID: VN0917WBL01

Date Analyzed: 09/17/2022 Time Analyzed: 13:14

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOA_N

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VN0917WBS02	VN0917WBS02	VN074553.D	09/17/2022
1034-MW-01(23)	N4647-01	VN074568.D	09/17/2022
1035-MW-02(23.8)	N4647-02	VN074569.D	09/17/2022
1036-MW-03A(17)	N4647-05	VN074570.D	09/17/2022
1037-MW-11(15)	N4647-06	VN074571.D	09/17/2022

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN0919WBL01

Lab Name: CHEMTECH Contract: DAYE01

Lab Code: CHEM Case No.: N4647 SAS No.: N4647 SDG NO.: N4647

Lab File ID: VN074578.D Lab Sample ID: VN0919WBL01

Date Analyzed: 09/19/2022 Time Analyzed: 11:49

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOA_N

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VN0919WBS01	VN0919WBS01	VN074580.D	09/19/2022
1034-MW-01(23)DL	N4647-01DL	VN074581.D	09/19/2022
1037-MW-11(15)DL	N4647-06DL	VN074582.D	09/19/2022
1040-TB090822	N4647-09	VN074586.D	09/19/2022
1039-FB090822	N4647-08	VN074587.D	09/19/2022
1038-MW-17A(15.5)	N4647-07	VN074588.D	09/19/2022
1035-MW-02(23.8)MS	N4647-03MS	VN074598.D	09/19/2022
1035-MW-02(23.8)MSD	N4647-04MSD	VN074599.D	09/19/2022

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: DAYE01

Lab Code: CHEM Case No.: N4647 SAS No.: N4647 SDG NO.: N4647

Lab File ID: VN074451.D BFB Injection Date: 09/15/2022

Instrument ID: MSVOA_N BFB Injection Time: 09:22

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	25.2
75	30.0 - 60.0% of mass 95	58.2
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	0.5 (0.7) 1
174	50.0 - 100.0% of mass 95	73.5
175	5.0 - 9.0% of mass 174	5.5 (7.5) 1
176	95.0 - 101.0% of mass 174	70.9 (96.5) 1
177	5.0 - 9.0% of mass 176	5.1 (7.2) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC005	VSTDICC005	VN074453.D	09/15/2022	10:36
VSTDICC010	VSTDICC010	VN074454.D	09/15/2022	11:00
VSTDICC020	VSTDICC020	VN074455.D	09/15/2022	11:24
VSTDICCC050	VSTDICCC050	VN074456.D	09/15/2022	11:48
VSTDICC100	VSTDICC100	VN074457.D	09/15/2022	12:12
VSTDICC001	VSTDICC001	VN074459.D	09/15/2022	13:26

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: DAYE01

Lab Code: CHEM Case No.: N4647 SAS No.: N4647 SDG NO.: N4647

Lab File ID: VN074549.D BFB Injection Date: 09/17/2022

Instrument ID: MSVOA_N BFB Injection Time: 12:06

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	28.5
75	30.0 - 60.0% of mass 95	58.5
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	5.3
173	Less than 2.0% of mass 174	0.8 (1.1) 1
174	50.0 - 100.0% of mass 95	76.8
175	5.0 - 9.0% of mass 174	5.3 (6.8) 1
176	95.0 - 101.0% of mass 174	73.5 (95.6) 1
177	5.0 - 9.0% of mass 176	5.5 (7.4) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN074550.D	09/17/2022	12:40
VN0917WBL01	VN0917WBL01	VN074551.D	09/17/2022	13:14
VN0917WBS02	VN0917WBS02	VN074553.D	09/17/2022	14:03
1034-MW-01(23)	N4647-01	VN074568.D	09/17/2022	20:08
1035-MW-02(23.8)	N4647-02	VN074569.D	09/17/2022	20:32
1036-MW-03A(17)	N4647-05	VN074570.D	09/17/2022	20:56
1037-MW-11(15)	N4647-06	VN074571.D	09/17/2022	21:21

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: DAYE01

Lab Code: CHEM Case No.: N4647 SAS No.: N4647 SDG NO.: N4647

Lab File ID: VN074575.D BFB Injection Date: 09/19/2022

Instrument ID: MSVOA_N BFB Injection Time: 09:31

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	24.4
75	30.0 - 60.0% of mass 95	57.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.8 (1.1) 1
174	50.0 - 100.0% of mass 95	75
175	5.0 - 9.0% of mass 174	5.2 (6.9) 1
176	95.0 - 101.0% of mass 174	71.3 (95.1) 1
177	5.0 - 9.0% of mass 176	5.2 (7.3) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN074576.D	09/19/2022	10:44
VN0919WBL01	VN0919WBL01	VN074578.D	09/19/2022	11:49
VN0919WBS01	VN0919WBS01	VN074580.D	09/19/2022	12:48
1034-MW-01(23)DL	N4647-01DL	VN074581.D	09/19/2022	13:12
1037-MW-11(15)DL	N4647-06DL	VN074582.D	09/19/2022	13:36
1040-TB090822	N4647-09	VN074586.D	09/19/2022	15:14
1039-FB090822	N4647-08	VN074587.D	09/19/2022	15:39
1038-MW-17A(15.5)	N4647-07	VN074588.D	09/19/2022	16:03
1035-MW-02(23.8)MS	N4647-03MS	VN074598.D	09/19/2022	20:08
1035-MW-02(23.8)MSD	N4647-04MSD	VN074599.D	09/19/2022	20:32

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: DAYE01

Lab Code: CHEM Case No.: N4647 SAS No.: N4647 SDG NO.: N4647

Lab File ID: VN074550.D Date Analyzed: 09/17/2022

Instrument ID: MSVOA_N Time Analyzed: 12:40

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	219691	8.01	393611	8.90	371155	11.68
UPPER LIMIT	439382	8.51	787222	9.404	742310	12.18
LOWER LIMIT	109846	7.51	196806	8.404	185578	11.18
EPA SAMPLE NO.						
1034-MW-01(23)	262716	8.02	505567	8.90	503916	11.69
1035-MW-02(23.8)	262025	8.02	509973	8.90	509727	11.69
1036-MW-03A(17)	251130	8.02	488723	8.90	494619	11.69
1037-MW-11(15)	255910	8.02	511611	8.90	520327	11.69
VN0917WBL01	264069	8.01	525172	8.90	513476	11.69
VN0917WBS02	209960	8.01	409414	8.90	366128	11.69

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

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

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

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: DAYE01

Lab Code: CHEM Case No.: N4647 SAS No.: N4647 SDG NO.: N4647

Lab File ID: VN074550.D Date Analyzed: 09/17/2022

Instrument ID: MSVOA_N Time Analyzed: 12:40

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	175070	13.616				
UPPER LIMIT	350140	14.116				
LOWER LIMIT	87535	13.116				
EPA SAMPLE NO.						
1034-MW-01(23)	214855	13.62				
1035-MW-02(23.8)	214491	13.62				
1036-MW-03A(17)	220370	13.62				
1037-MW-11(15)	228103	13.62				
VN0917WBL01	215546	13.62				
VN0917WBS02	160006	13.62				

IS4 = 1,4-Dichlorobenzene-d4

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

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

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: DAYE01

Lab Code: CHEM Case No.: N4647 SAS No.: N4647 SDG NO.: N4647

Lab File ID: VN074576.D Date Analyzed: 09/19/2022

Instrument ID: MSVOA_N Time Analyzed: 10:44

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	229433	8.01	427896	8.90	397167	11.69
UPPER LIMIT	458866	8.51	855792	9.398	794334	12.186
LOWER LIMIT	114717	7.51	213948	8.398	198584	11.186
EPA SAMPLE NO.						
1034-MW-01(23)DL	249360	8.02	464064	8.90	474127	11.69
1035-MW-02(23.8)MS	300875	8.02	552494	8.90	473671	11.69
1035-MW-02(23.8)MSD	247391	8.02	478114	8.90	445280	11.69
1037-MW-11(15)DL	282029	8.02	537197	8.90	526101	11.69
1038-MW-17A(15.5)	247038	8.02	488315	8.90	484186	11.69
1039-FB090822	244005	8.02	472326	8.90	484263	11.69
1040-TB090822	252384	8.02	489890	8.90	490017	11.69
VN0919WBL01	295077	8.02	577538	8.90	550137	11.69
VN0919WBS01	191139	8.02	364202	8.90	334823	11.69

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

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

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

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: DAYE01

Lab Code: CHEM Case No.: N4647 SAS No.: N4647 SDG NO.: N4647

Lab File ID: VN074576.D Date Analyzed: 09/19/2022

Instrument ID: MSVOA_N Time Analyzed: 10:44

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	184927	13.616				
UPPER LIMIT	369854	14.116				
LOWER LIMIT	92463.5	13.116				
EPA SAMPLE NO.						
1034-MW-01(23)DL	203057	13.62				
1035-MW-02(23.8)MS	210229	13.62				
1035-MW-02(23.8)MSD	194320	13.62				
1037-MW-11(15)DL	227041	13.62				
1038-MW-17A(15.5)	210438	13.62				
1039-FB090822	211078	13.62				
1040-TB090822	199869	13.62				
VN0919WBL01	242412	13.62				
VN0919WBS01	143909	13.62				

IS4 = 1,4-Dichlorobenzene-d4

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

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

SAMPLE DATA

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/08/22
Project:	Andrews St. Site	Date Received:	09/12/22
Client Sample ID:	1034-MW-01(23)	SDG No.:	N4647
Lab Sample ID:	N4647-01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN074568.D	1		09/17/22 20:08	VN091722

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.17	1.00	ug/L
74-87-3	Chloromethane	1.00	UQ	0.20	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	UQ	0.22	1.00	ug/L
74-83-9	Bromomethane	5.00	UQ	1.60	5.00	ug/L
75-00-3	Chloroethane	1.00	UQ	0.26	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.20	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.17	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.23	1.00	ug/L
67-64-1	Acetone	20.6		1.20	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.26	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.18	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.53	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.20	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.20	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.20	5.00	ug/L
78-93-3	2-Butanone	5.00	U	0.82	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.18	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00	U	0.17	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.19	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.18	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.18	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.13	1.00	ug/L
71-43-2	Benzene	1.00	U	0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.18	1.00	ug/L
79-01-6	Trichloroethene	0.55	J	0.27	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.17	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.18	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.87	5.00	ug/L
108-88-3	Toluene	1.00	U	0.17	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.14	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.16	1.00	ug/L

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/08/22
Project:	Andrews St. Site	Date Received:	09/12/22
Client Sample ID:	1034-MW-01(23)	SDG No.:	N4647
Lab Sample ID:	N4647-01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN074568.D	1		09/17/22 20:08	VN091722

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1.00	U	0.19	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	0.76	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.14	1.00	ug/L
127-18-4	Tetrachloroethene	240	E	0.18	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.17	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.17	1.00	ug/L
179601-23-1	m/p-Xylenes	2.00	U	0.33	2.00	ug/L
95-47-6	o-Xylene	1.00	U	0.18	1.00	ug/L
100-42-5	Styrene	1.00	U	0.13	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.16	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.19	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.23	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.20	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.17	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.42	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.23	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.33	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.3		74 - 125	95%	SPK: 50
1868-53-7	Dibromofluoromethane	51.2		75 - 124	102%	SPK: 50
2037-26-5	Toluene-d8	48.2		86 - 113	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.5		83 - 123	105%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	263000	8.016			
540-36-3	1,4-Difluorobenzene	506000	8.904			
3114-55-4	Chlorobenzene-d5	504000	11.686			
3855-82-1	1,4-Dichlorobenzene-d4	215000	13.616			
TENTATIVE IDENTIFIED COMPOUNDS						
007446-09-5	Sulfur dioxide	24.2	JB		2.20	ug/L
109-99-9	Tetrahydrofuran	1.40	J		7.61	ug/L

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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/08/22
Project:	Andrews St. Site	Date Received:	09/12/22
Client Sample ID:	1034-MW-01(23)	SDG No.:	N4647
Lab Sample ID:	N4647-01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN074568.D	1		09/17/22 20:08	VN091722

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091722\
Data File : VN074568.D
Acq On : 17 Sep 2022 20:08
Operator : JC\MD
Sample : N4647-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
1034-MW-01(23)

Manual Integrations APPROVED
Reviewed By :John Carlone 09/19/2022
Supervised By :Mahesh Dadoda 09/19/2022

Quant Time: Sep 19 02:58:52 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 15 19:20:33 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.016	168	262716	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	505567	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	503916	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	214855	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.375	65	210848	47.301	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 94.600%			
35) Dibromofluoromethane	7.951	113	171916	51.190	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.380%			
50) Toluene-d8	10.380	98	625529	48.162	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.320%			
62) 4-Bromofluorobenzene	12.674	95	233546	52.501	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.000%			
Target Compounds						Qvalue
16) Acetone	4.228	43	58841	20.628	ug/l	91
29) Tetrahydrofuran	7.610	42	4216m	1.354	ug/l	
44) Trichloroethene	9.163	130	2204	0.554	ug/l	89
64) Tetrachloroethene	10.916	164	828558	239.590	ug/l	94

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

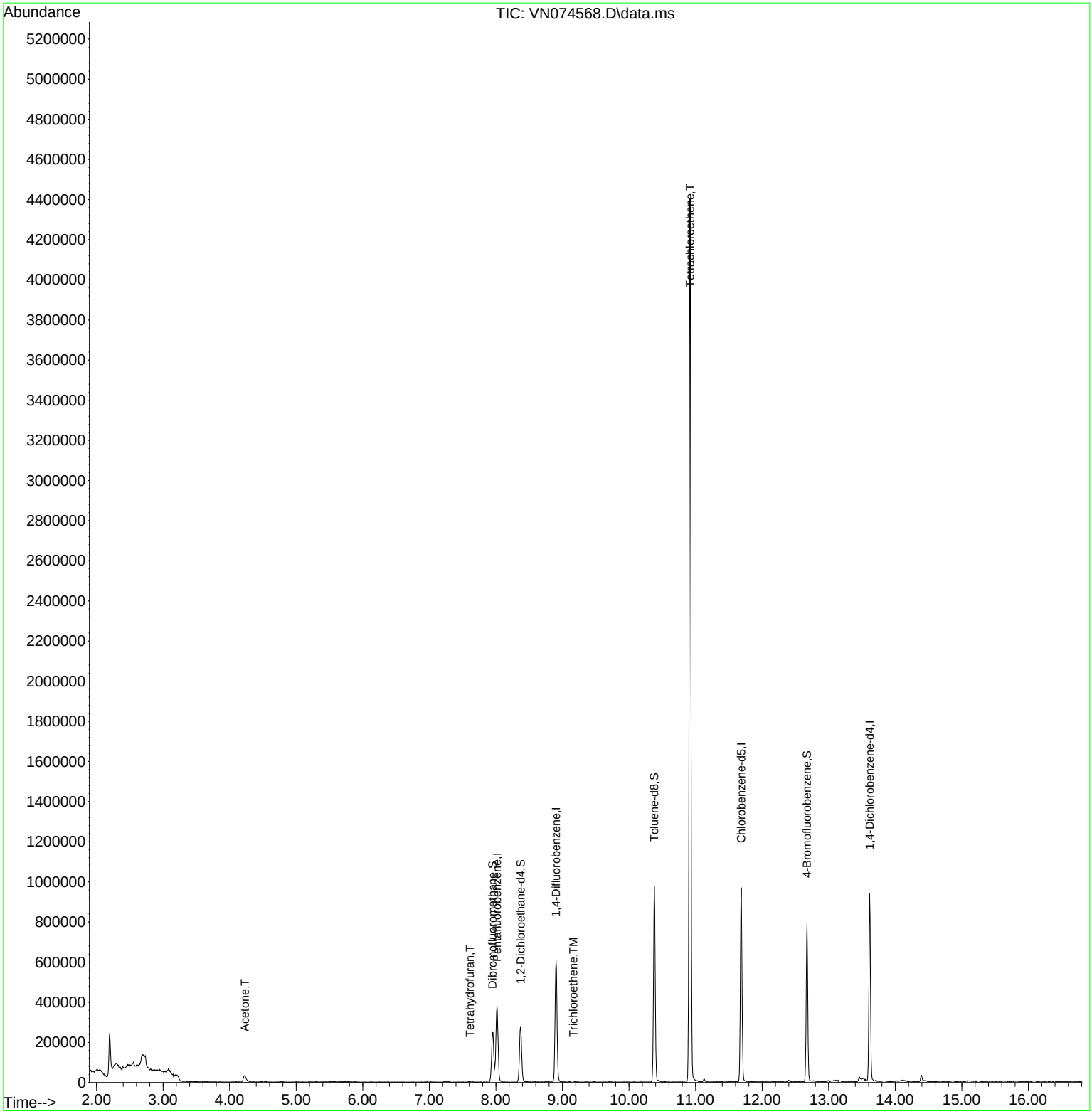
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091722\
Data File : VN074568.D
Acq On : 17 Sep 2022 20:08
Operator : JC\MD
Sample : N4647-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

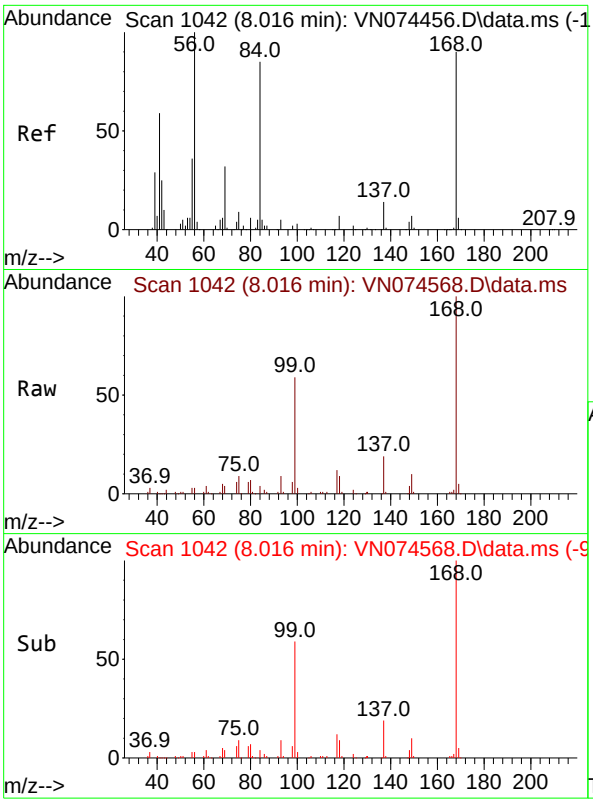
Quant Time: Sep 19 02:58:52 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 15 19:20:33 2022
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
1034-MW-01(23)

Manual Integrations APPROVED

Reviewed By :John Carlone 09/19/2022
Supervised By :Mahesh Dadoda 09/19/2022

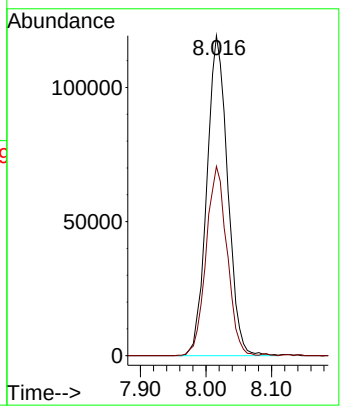




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1(
Delta R.T. -0.000 min
Lab File: VN074568.D
Acq: 17 Sep 2022 20:08

Tgt Ion:168 Resp: 26271(

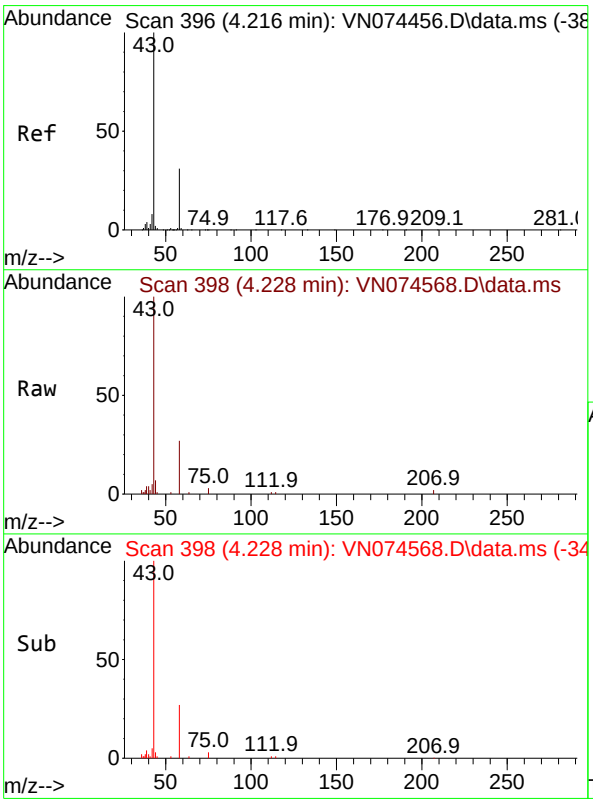
Ion	Ratio	Lower	Upper
168	100		
99	59.1	42.3	63.5



Instrument :
MSVOA_N
ClientSampleId :
1034-MW-01(23)

Manual Integrations
APPROVED

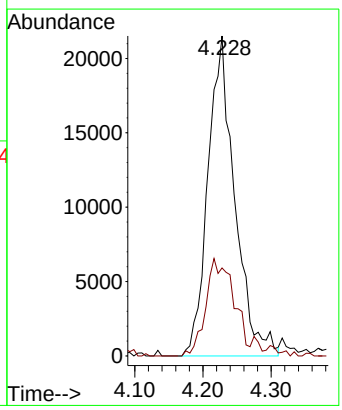
Reviewed By :John Carlone 09/19/2022
Supervised By :Mahesh Dadoda 09/19/2022

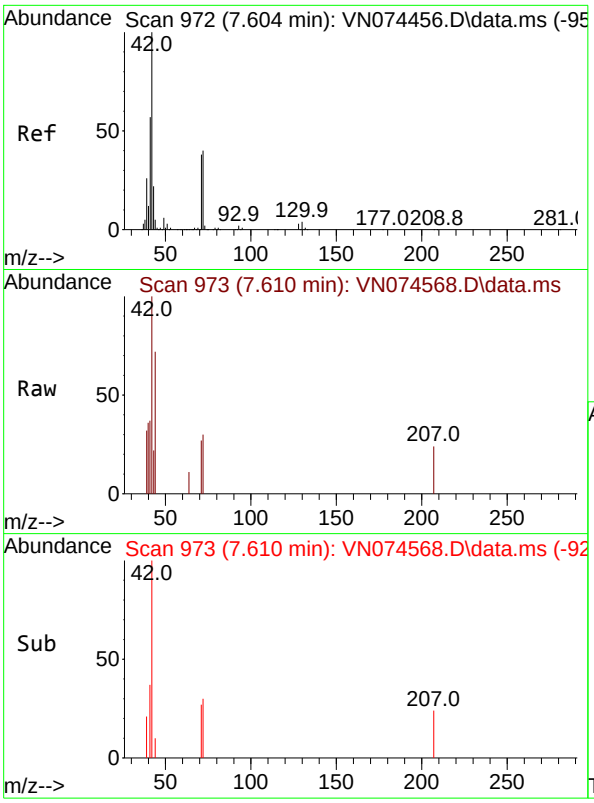


#16
Acetone
Concen: 20.628 ug/l
RT: 4.228 min Scan# 398
Delta R.T. 0.012 min
Lab File: VN074568.D
Acq: 17 Sep 2022 20:08

Tgt Ion: 43 Resp: 58841

Ion	Ratio	Lower	Upper
43	100		
58	27.5	26.0	39.0

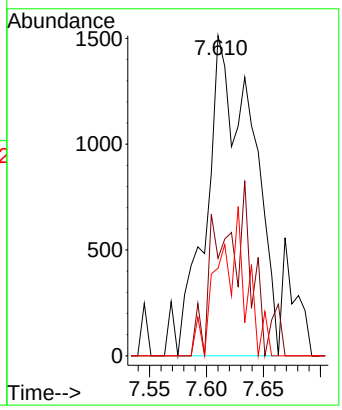




#29
Tetrahydrofuran
Concen: 1.354 ug/l m
RT: 7.610 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN074568.D
Acq: 17 Sep 2022 20:08

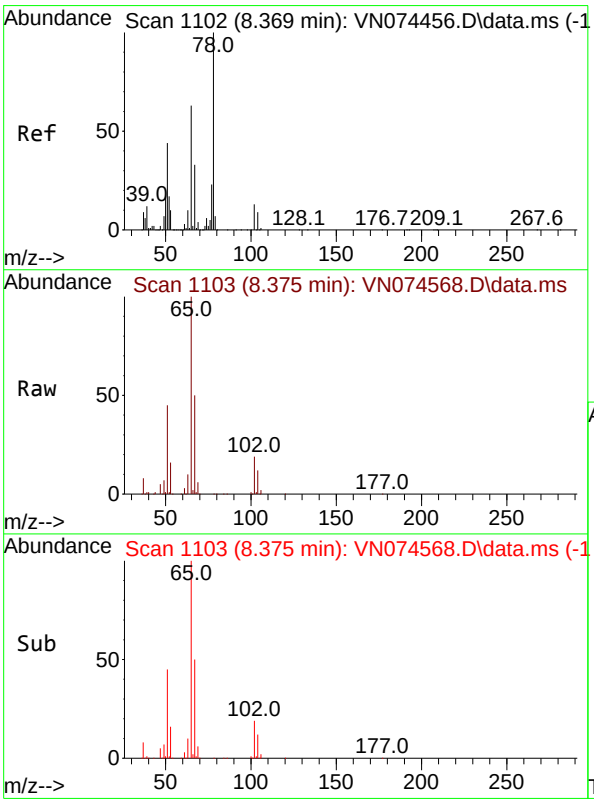
Tgt Ion: 42 Resp: 421(

Ion	Ratio	Lower	Upper
42	100		
72	16.2	39.7	59.5#
71	15.0	36.6	55.0#



Instrument :
MSVOA_N
ClientSampleId :
1034-MW-01(23)

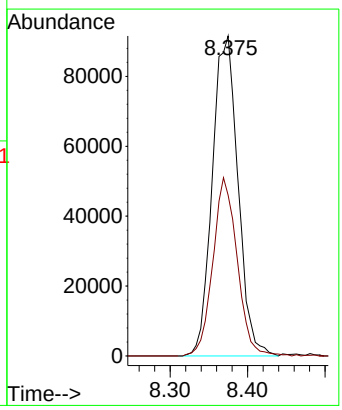
Manual Integrations
APPROVED
Reviewed By :John Carlone 09/19/2022
Supervised By :Mahesh Dadoda 09/19/2022

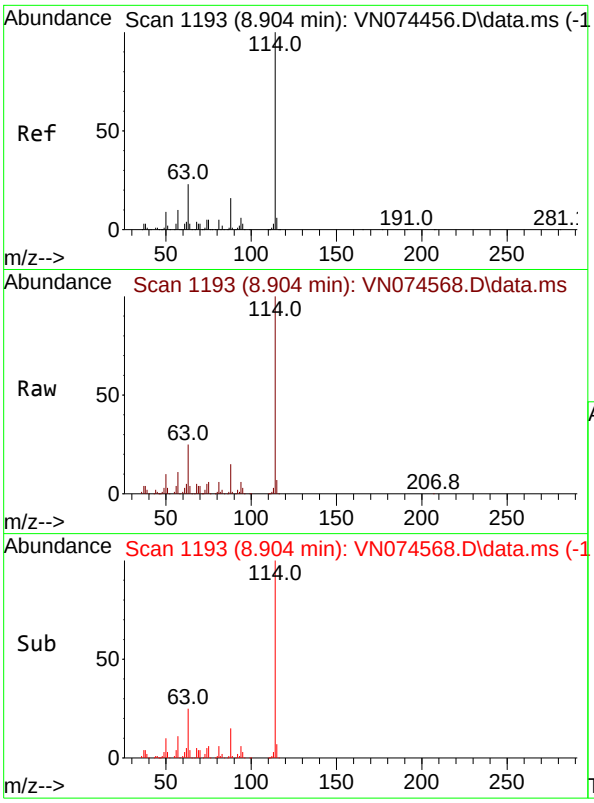


#33
1,2-Dichloroethane-d4
Concen: 47.301 ug/l
RT: 8.375 min Scan# 1103
Delta R.T. 0.006 min
Lab File: VN074568.D
Acq: 17 Sep 2022 20:08

Tgt Ion: 65 Resp: 210848

Ion	Ratio	Lower	Upper
65	100		
67	52.7	0.0	104.8





#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN074568.D
Acq: 17 Sep 2022 20:08

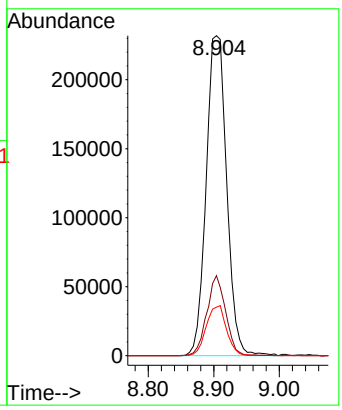
Tgt Ion:114 Resp: 50556

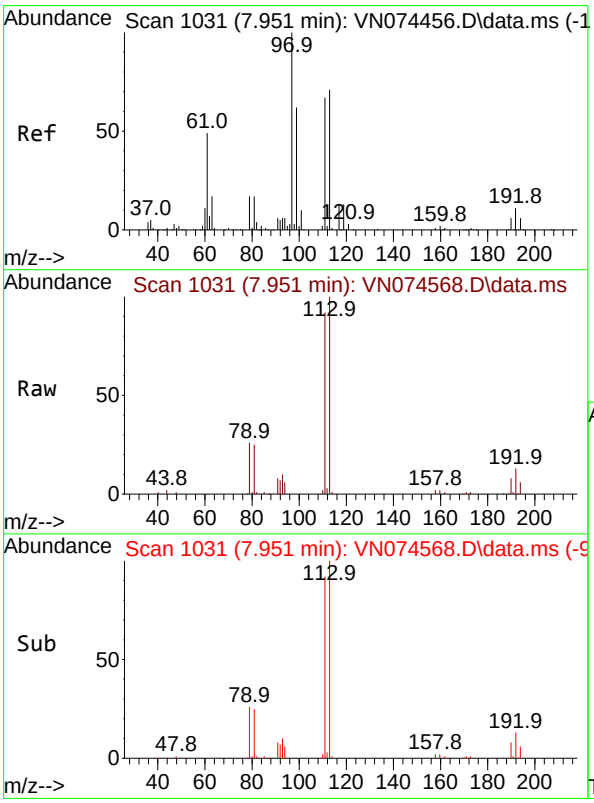
Ion	Ratio	Lower	Upper
114	100		
63	25.0	0.0	40.0
88	15.2	0.0	32.6

Instrument :
MSVOA_N
ClientSampleId :
1034-MW-01(23)

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/19/2022
Supervised By :Mahesh Dadoda 09/19/2022

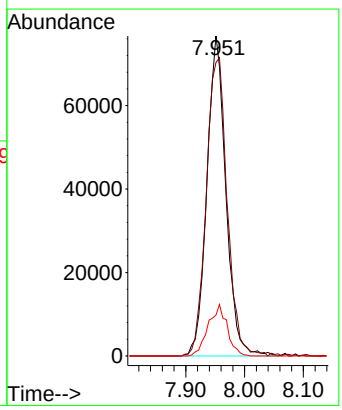


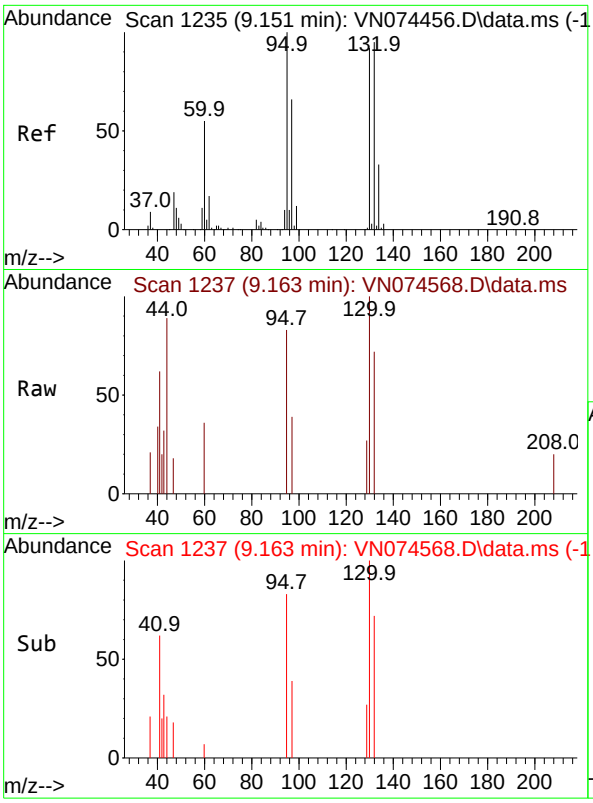


#35
Dibromofluoromethane
Concen: 51.190 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VN074568.D
Acq: 17 Sep 2022 20:08

Tgt Ion:113 Resp: 171916

Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.4	122.0
192	16.1	17.0	25.6#

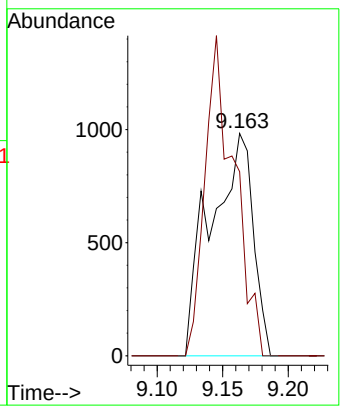




#44
Trichloroethene
Concen: 0.554 ug/l
RT: 9.163 min Scan# 1
Delta R.T. 0.012 min
Lab File: VN074568.D
Acq: 17 Sep 2022 20:08

Tgt Ion:130 Resp: 220

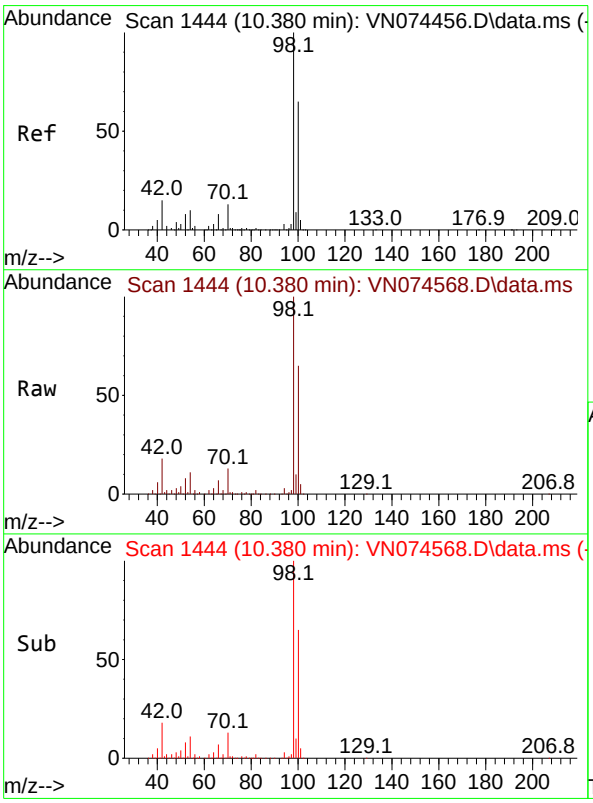
Ion	Ratio	Lower	Upper
130	100		
95	82.8	0.0	186.8



Instrument :
MSVOA_N
ClientSampleId :
1034-MW-01(23)

Manual Integrations
APPROVED

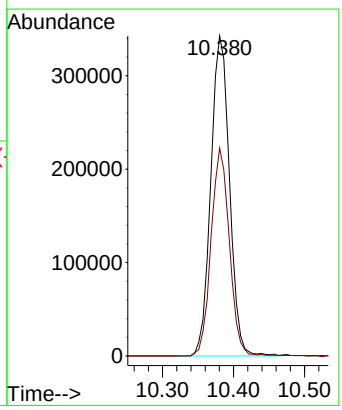
Reviewed By :John Carlone 09/19/2022
Supervised By :Mahesh Dadoda 09/19/2022

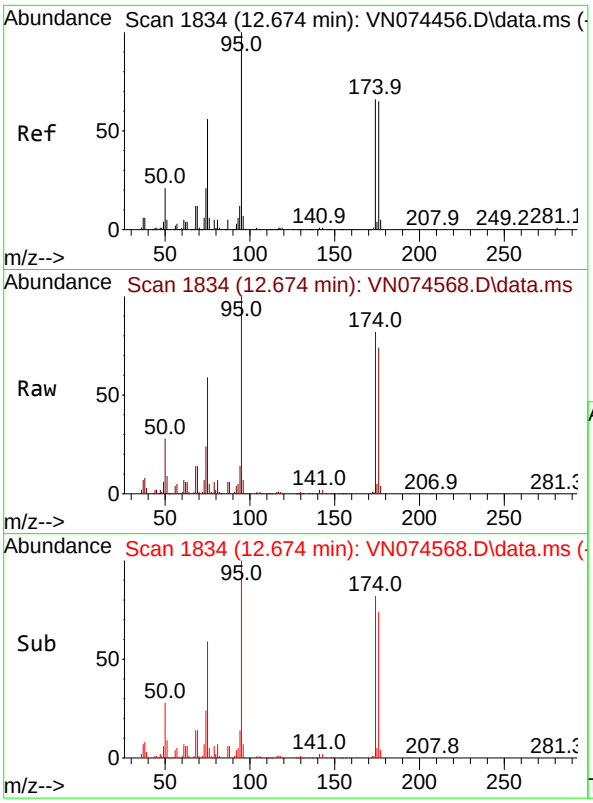


#50
Toluene-d8
Concen: 48.162 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074568.D
Acq: 17 Sep 2022 20:08

Tgt Ion: 98 Resp: 625529

Ion	Ratio	Lower	Upper
98	100		
100	63.6	52.6	78.8

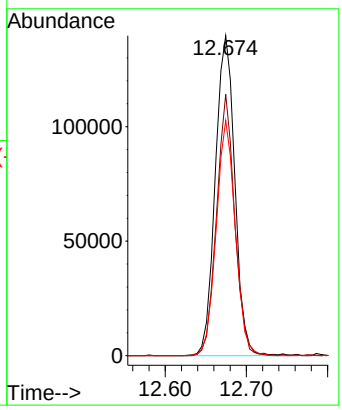




#62
4-Bromofluorobenzene
Concen: 52.501 ug/l
RT: 12.674 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074568.D
Acq: 17 Sep 2022 20:08

Tgt Ion: 95 Resp: 23354

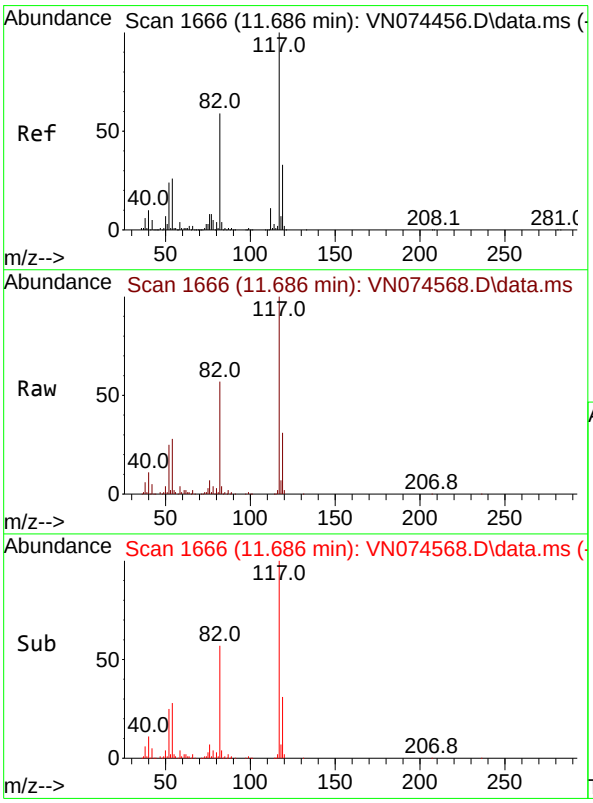
Ion	Ratio	Lower	Upper
95	100		
174	75.8	0.0	167.6
176	71.9	0.0	163.4



Instrument :
MSVOA_N
ClientSampleId :
1034-MW-01(23)

Manual Integrations
APPROVED

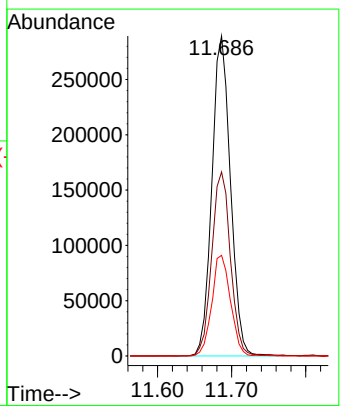
Reviewed By :John Carlone 09/19/2022
Supervised By :Mahesh Dadoda 09/19/2022

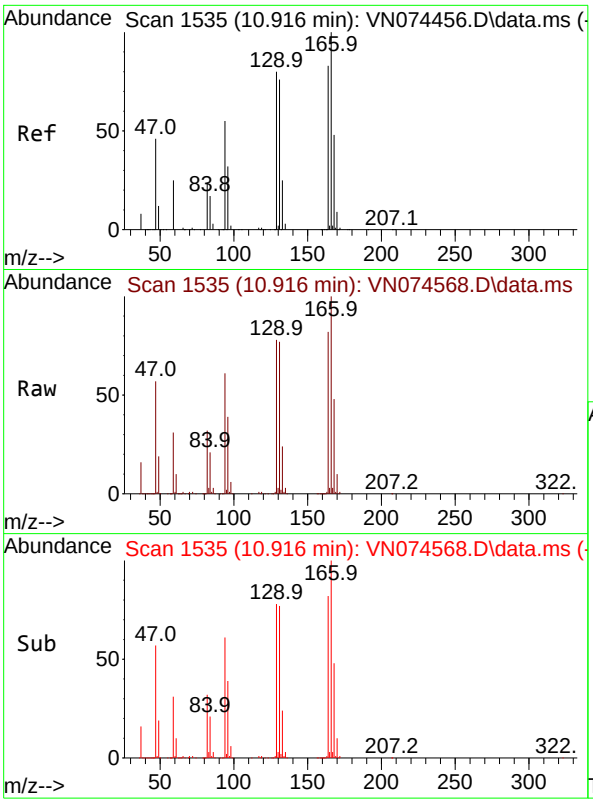


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN074568.D
Acq: 17 Sep 2022 20:08

Tgt Ion:117 Resp: 503916

Ion	Ratio	Lower	Upper
117	100		
82	57.5	44.2	66.2
119	31.4	25.4	38.0

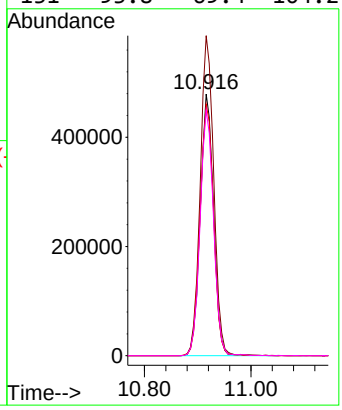




#64
Tetrachloroethene
Concen: 239.590 ug/l
RT: 10.916 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074568.D
Acq: 17 Sep 2022 20:08

Tgt Ion:164 Resp: 82855

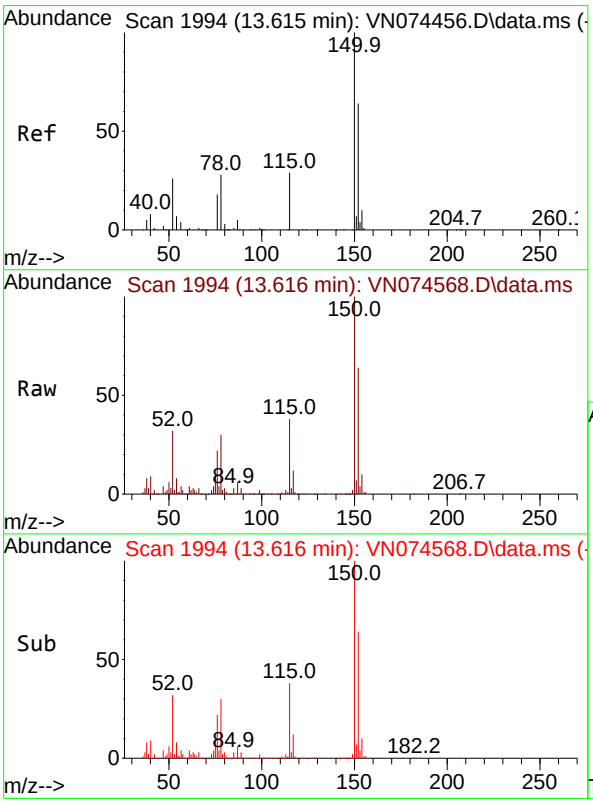
Ion	Ratio	Lower	Upper
164	100		
166	122.3	104.2	156.2
129	96.0	73.9	110.9
131	93.8	69.4	104.2



Instrument :
MSVOA_N
ClientSampleId :
1034-MW-01(23)

Manual Integrations
APPROVED

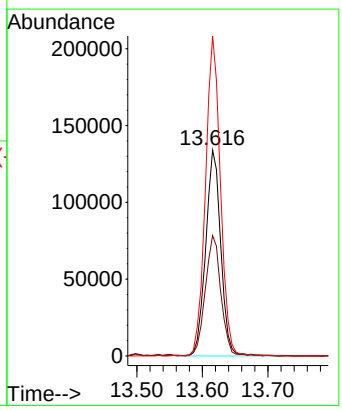
Reviewed By :John Carlone 09/19/2022
Supervised By :Mahesh Dadoda 09/19/2022



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1994
Delta R.T. 0.001 min
Lab File: VN074568.D
Acq: 17 Sep 2022 20:08

Tgt Ion:152 Resp: 214855

Ion	Ratio	Lower	Upper
152	100		
115	60.9	28.9	86.7
150	153.9	0.0	356.2



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091722\
Data File : VN074568.D
Acq On : 17 Sep 2022 20:08
Operator : JC\MD
Sample : N4647-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
1034-MW-01(23)

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Title : SW846 8260

Signal : TIC: VN074568.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.199	47	53	60	rBV	216112	414650	5.42%	2.331%
2	4.228	389	398	406	rBV2	32530	95487	1.25%	0.537%
3	7.957	1022	1032	1036	rBV	246073	577116	7.54%	3.245%
4	8.016	1036	1042	1052	rVB	376885	855827	11.18%	4.812%
5	8.369	1092	1102	1112	rBV2	273180	643799	8.41%	3.620%
6	8.904	1184	1193	1204	rBV2	603396	1268627	16.57%	7.133%
7	10.380	1435	1444	1454	rBV	977402	1763769	23.04%	9.917%
8	10.916	1526	1535	1550	rBV	4402343	7655279	100.00%	43.042%
9	11.686	1658	1666	1680	rBV	968582	1703797	22.26%	9.580%
10	12.674	1826	1834	1845	rBV	793934	1308264	17.09%	7.356%
11	13.616	1987	1994	2002	rBV	932564	1498934	19.58%	8.428%

Sum of corrected areas: 17785549

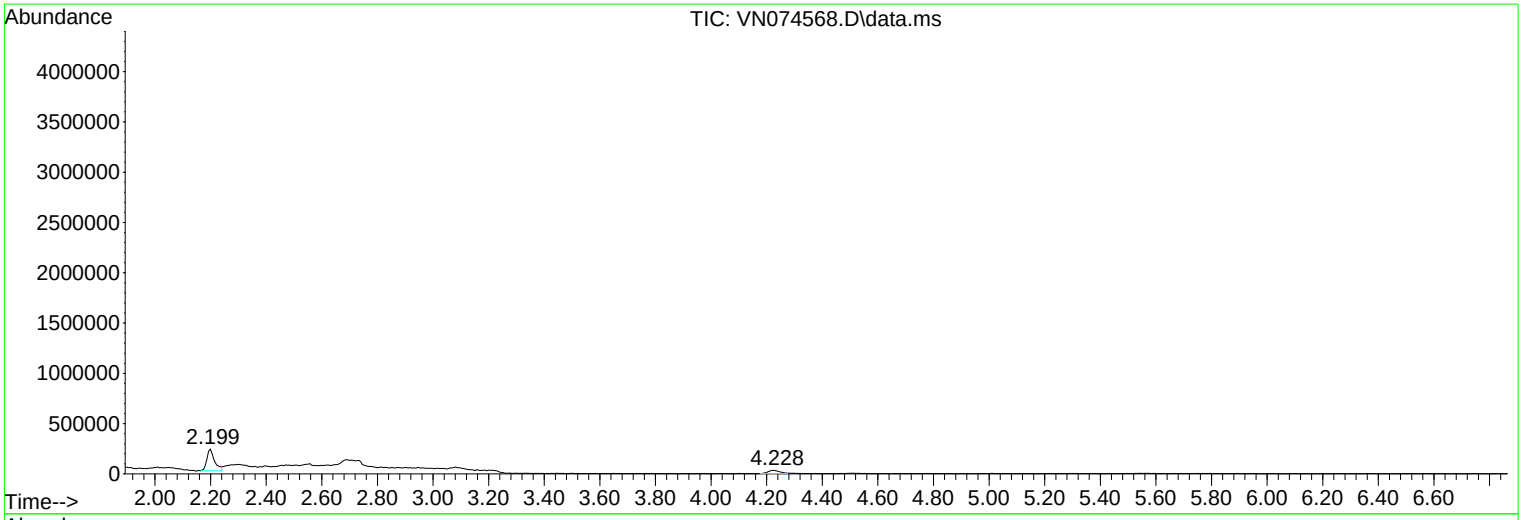
Sample Results: **VN074568.D**

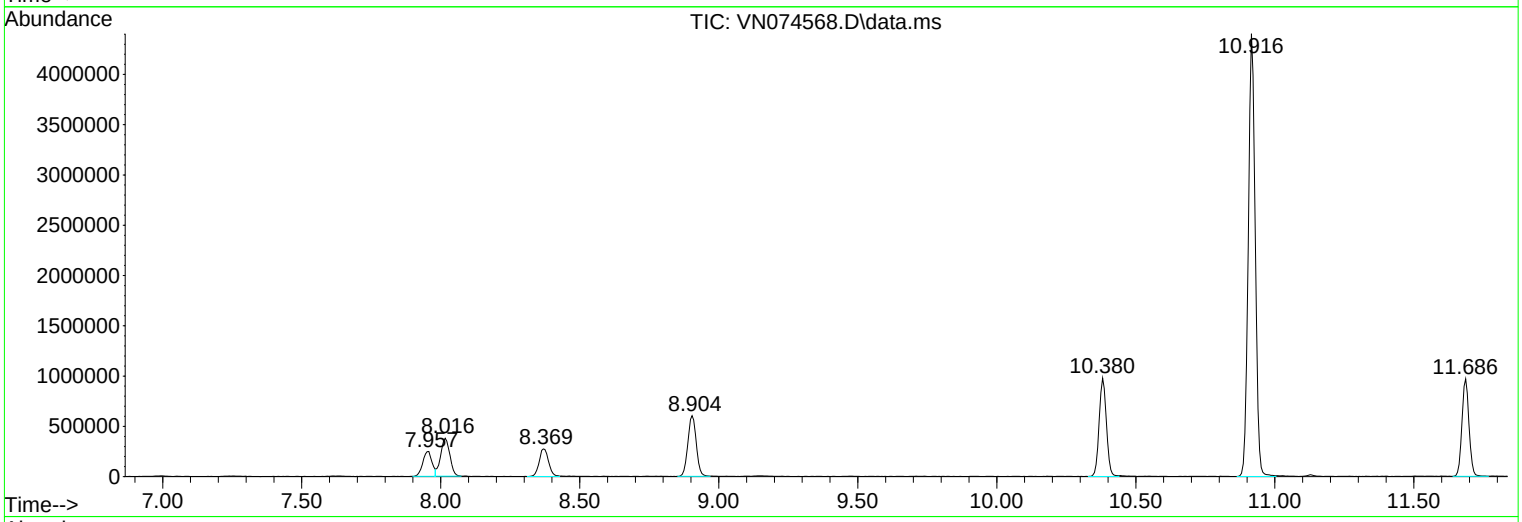
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091722\
Data File : VN074568.D
Acq On : 17 Sep 2022 20:08
Operator : JC\MD
Sample : N4647-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

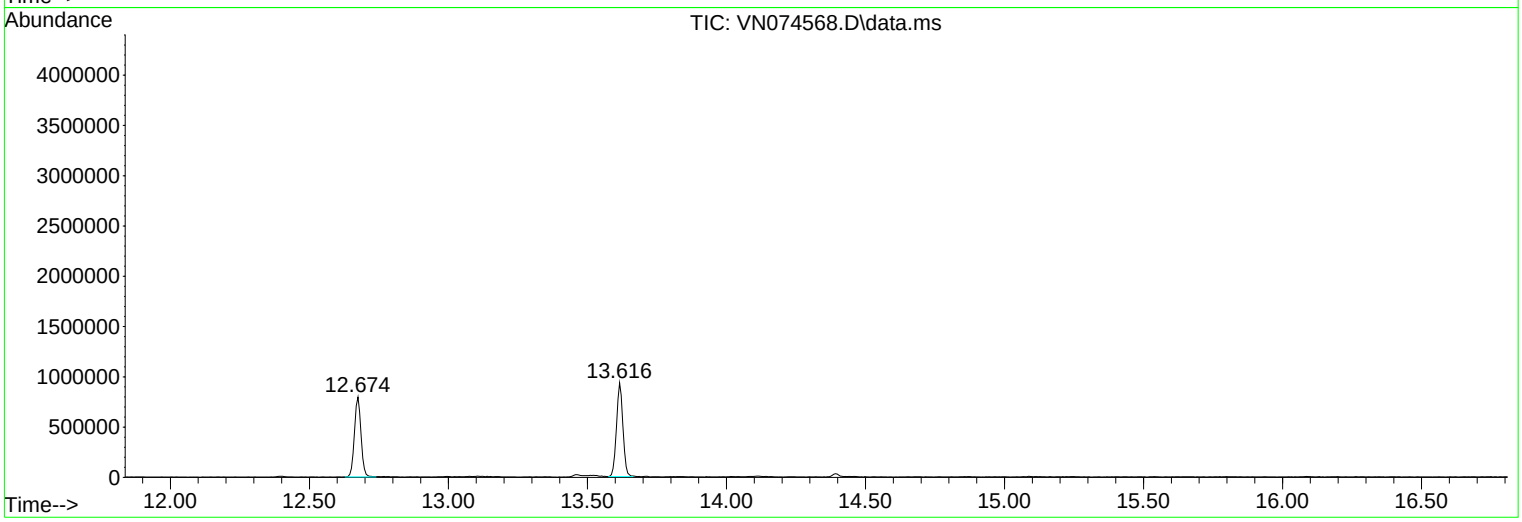
Instrument :
MSVOA_N
ClientSampleId :
1034-MW-01(23)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091722\
Data File : VN074568.D
Acq On : 17 Sep 2022 20:08
Operator : JC\MD
Sample : N4647-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
1034-MW-01(23)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260

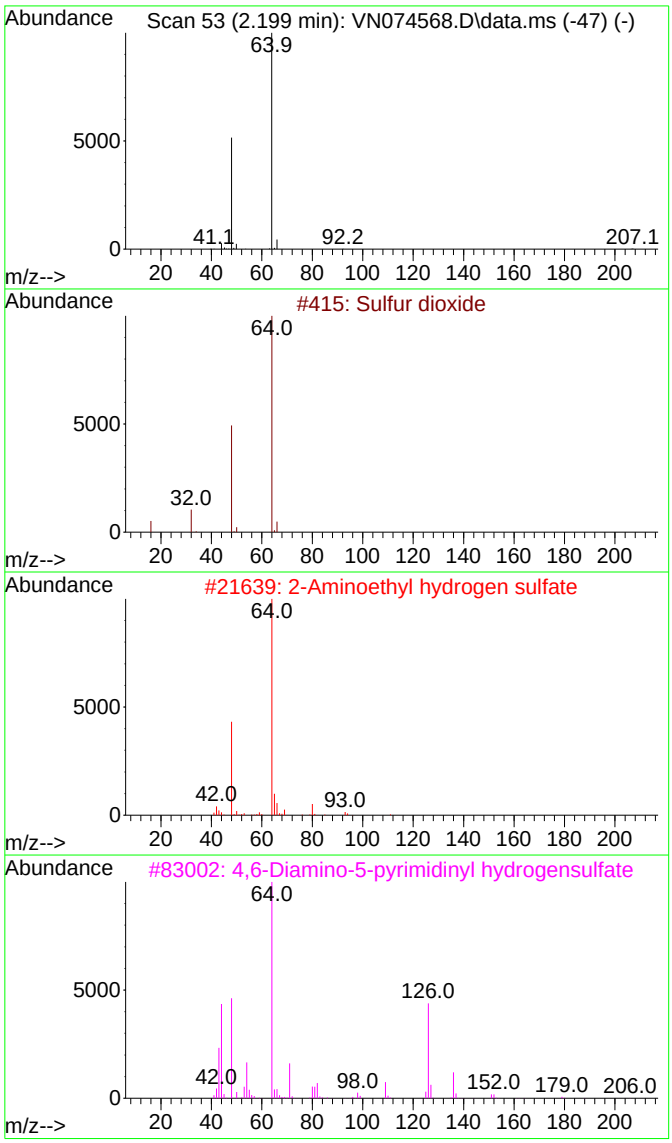
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

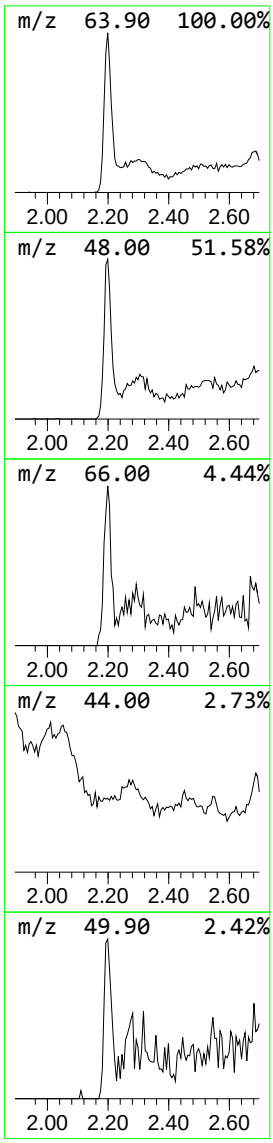
****

Peak Number 1 Sulfur dioxide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.199	24.23 ug/l	414650	Pentafluorobenzene	8.016

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfur dioxide	64	O2S	007446-09-5	90
2	2-Aminoethyl hydrogen sulfate	141	C2H7NO4S	000926-39-6	83
3	4,6-Diamino-5-pyrimidinyl hydrog...	206	C4H6N4O4S	071525-41-2	74
4	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	64
5	1,1,1,2,2,3,3,4,4,5,5-Undecafluo...	602	C10F22O2S	1000486-78-5	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091722\
Data File : VN074568.D
Acq On : 17 Sep 2022 20:08
Operator : JC\MD
Sample : N4647-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
1034-MW-01(23)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Sulfur dioxide	2.199	24.2	ug/l	414650	1	8.016	855827	50.0

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/08/22
Project:	Andrews St. Site	Date Received:	09/12/22
Client Sample ID:	1034-MW-01(23)DL	SDG No.:	N4647
Lab Sample ID:	N4647-01DL	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN074581.D	5		09/19/22 13:12	VN091922

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	5.00	UD	0.85	5.00	ug/L
74-87-3	Chloromethane	5.00	UDQ	1.00	5.00	ug/L
75-01-4	Vinyl Chloride	5.00	UDQ	1.10	5.00	ug/L
74-83-9	Bromomethane	25.0	UDQ	7.90	25.0	ug/L
75-00-3	Chloroethane	5.00	UDQ	1.30	5.00	ug/L
75-69-4	Trichlorofluoromethane	5.00	UD	1.00	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	5.00	UD	0.85	5.00	ug/L
75-35-4	1,1-Dichloroethene	5.00	UD	1.20	5.00	ug/L
67-64-1	Acetone	28.6	D	5.80	25.0	ug/L
75-15-0	Carbon Disulfide	5.00	UD	1.30	5.00	ug/L
1634-04-4	Methyl tert-butyl Ether	5.00	UD	0.90	5.00	ug/L
79-20-9	Methyl Acetate	5.00	UD	2.70	5.00	ug/L
75-09-2	Methylene Chloride	5.00	UD	0.90	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	5.00	UD	1.00	5.00	ug/L
75-34-3	1,1-Dichloroethane	5.00	UD	1.00	5.00	ug/L
110-82-7	Cyclohexane	25.0	UD	6.10	25.0	ug/L
78-93-3	2-Butanone	25.0	UD	4.10	25.0	ug/L
56-23-5	Carbon Tetrachloride	5.00	UD	0.90	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	5.00	UD	0.85	5.00	ug/L
74-97-5	Bromochloromethane	5.00	UD	0.95	5.00	ug/L
67-66-3	Chloroform	5.00	UD	0.90	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	5.00	UD	0.90	5.00	ug/L
108-87-2	Methylcyclohexane	5.00	UD	0.65	5.00	ug/L
71-43-2	Benzene	5.00	UD	0.80	5.00	ug/L
107-06-2	1,2-Dichloroethane	5.00	UD	0.90	5.00	ug/L
79-01-6	Trichloroethene	5.00	UD	1.40	5.00	ug/L
78-87-5	1,2-Dichloropropane	5.00	UD	0.85	5.00	ug/L
75-27-4	Bromodichloromethane	5.00	UD	0.90	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	25.0	UDQ	4.40	25.0	ug/L
108-88-3	Toluene	5.00	UD	0.85	5.00	ug/L
10061-02-6	t-1,3-Dichloropropene	5.00	UD	0.70	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	5.00	UD	0.80	5.00	ug/L

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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/08/22
Project:	Andrews St. Site	Date Received:	09/12/22
Client Sample ID:	1034-MW-01(23)DL	SDG No.:	N4647
Lab Sample ID:	N4647-01DL	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN074581.D	5		09/19/22 13:12	VN091922

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	5.00	UD	0.95	5.00	ug/L
591-78-6	2-Hexanone	25.0	UDQ	3.80	25.0	ug/L
124-48-1	Dibromochloromethane	5.00	UD	0.90	5.00	ug/L
106-93-4	1,2-Dibromoethane	5.00	UD	0.70	5.00	ug/L
127-18-4	Tetrachloroethene	250	D	0.90	5.00	ug/L
108-90-7	Chlorobenzene	5.00	UD	0.85	5.00	ug/L
100-41-4	Ethyl Benzene	5.00	UD	0.85	5.00	ug/L
179601-23-1	m/p-Xylenes	10.0	UD	1.70	10.0	ug/L
95-47-6	o-Xylene	5.00	UD	0.90	5.00	ug/L
100-42-5	Styrene	5.00	UD	0.65	5.00	ug/L
75-25-2	Bromoform	5.00	UD	0.80	5.00	ug/L
98-82-8	Isopropylbenzene	5.00	UD	0.95	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	5.00	UD	1.20	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	5.00	UD	1.00	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	5.00	UD	0.95	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	5.00	UD	0.85	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	5.00	UD	2.10	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	5.00	UD	1.20	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	5.00	UD	1.70	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46.5		74 - 125	93%	SPK: 50
1868-53-7	Dibromofluoromethane	53.7		75 - 124	107%	SPK: 50
2037-26-5	Toluene-d8	49.3		86 - 113	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.4		83 - 123	107%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	249000	8.016			
540-36-3	1,4-Difluorobenzene	464000	8.904			
3114-55-4	Chlorobenzene-d5	474000	11.686			
3855-82-1	1,4-Dichlorobenzene-d4	203000	13.616			

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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/08/22
Project:	Andrews St. Site	Date Received:	09/12/22
Client Sample ID:	1034-MW-01(23)DL	SDG No.:	N4647
Lab Sample ID:	N4647-01DL	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN074581.D	5		09/19/22 13:12	VN091922

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091922\
Data File : VN074581.D
Acq On : 19 Sep 2022 13:12
Operator : JC\MD
Sample : N4647-01DL 5X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
1034-MW-01(23)DL

Quant Time: Sep 20 04:19:04 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 15 19:20:33 2022
Response via : Initial Calibration

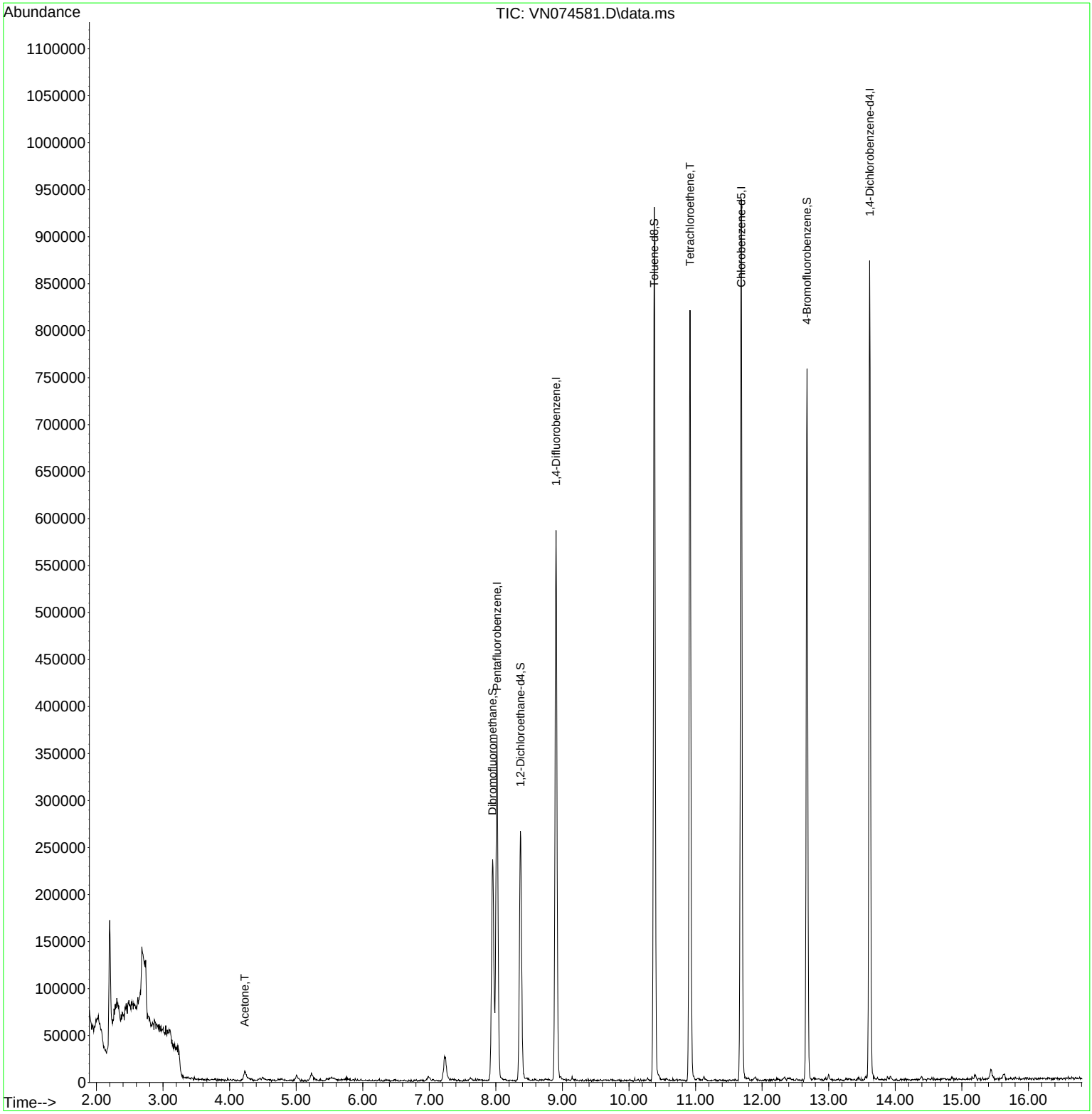
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.016	168	249360	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	464064	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	474127	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	203057	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	196848	46.525	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 93.060%			
35) Dibromofluoromethane	7.951	113	165623	53.727	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.460%			
50) Toluene-d8	10.381	98	587687	49.295	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.580%			
62) 4-Bromofluorobenzene	12.675	95	218158	53.428	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 106.860%			
Target Compounds						Qvalue
16) Acetone	4.228	43	15461	5.711	ug/l	96
64) Tetrachloroethene	10.916	164	161605	49.666	ug/l	95

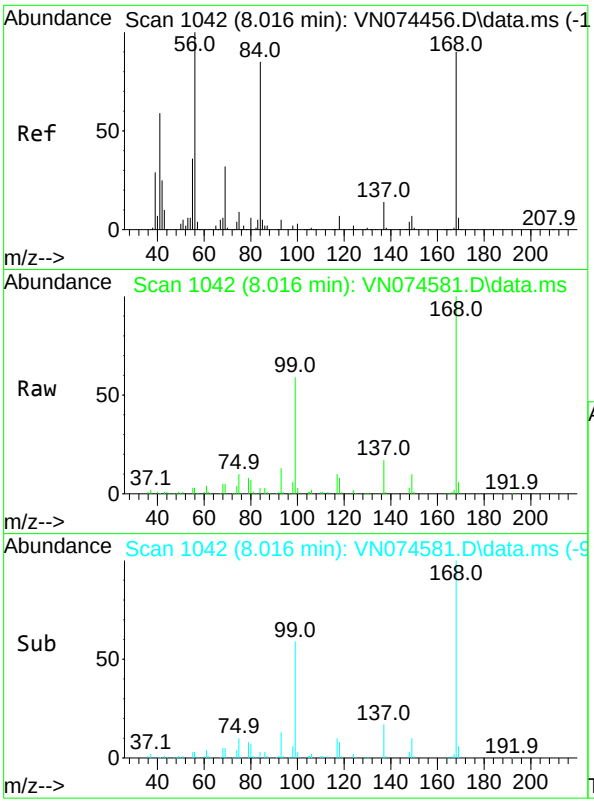
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091922\
Data File : VN074581.D
Acq On : 19 Sep 2022 13:12
Operator : JC\MD
Sample : N4647-01DL 5X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
1034-MW-01(23)DL

Quant Time: Sep 20 04:19:04 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 15 19:20:33 2022
Response via : Initial Calibration



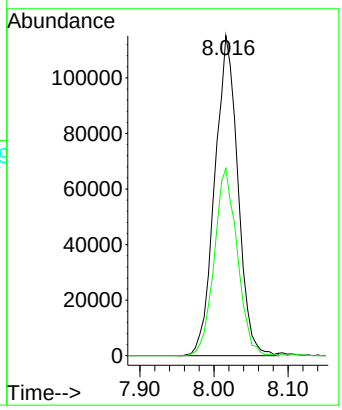


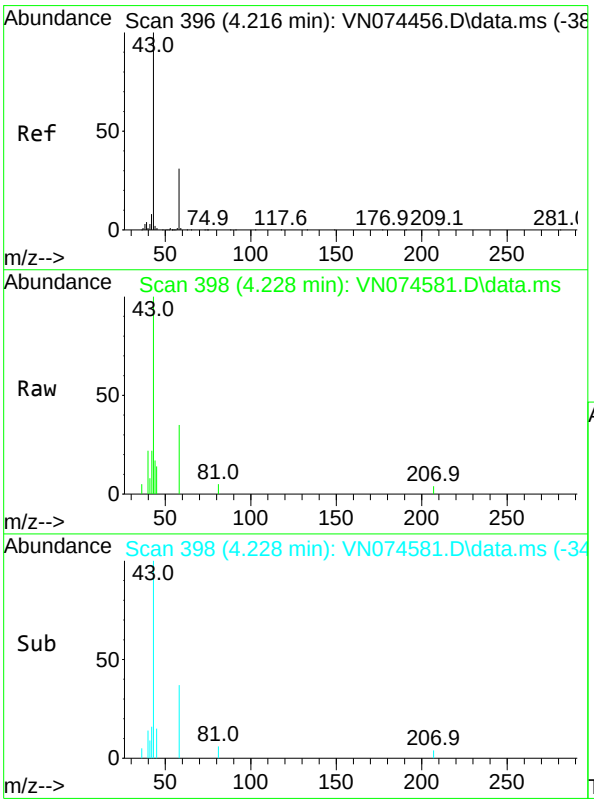
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074581.D
Acq: 19 Sep 2022 13:12

Instrument :
MSVOA_N
ClientSampleId :
1034-MW-01(23)DL

Tgt Ion:168 Resp: 249360

Ion	Ratio	Lower	Upper
168	100		
99	58.5	42.3	63.5

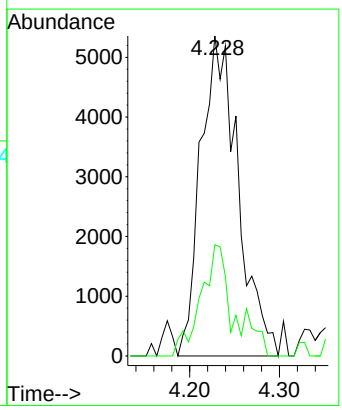


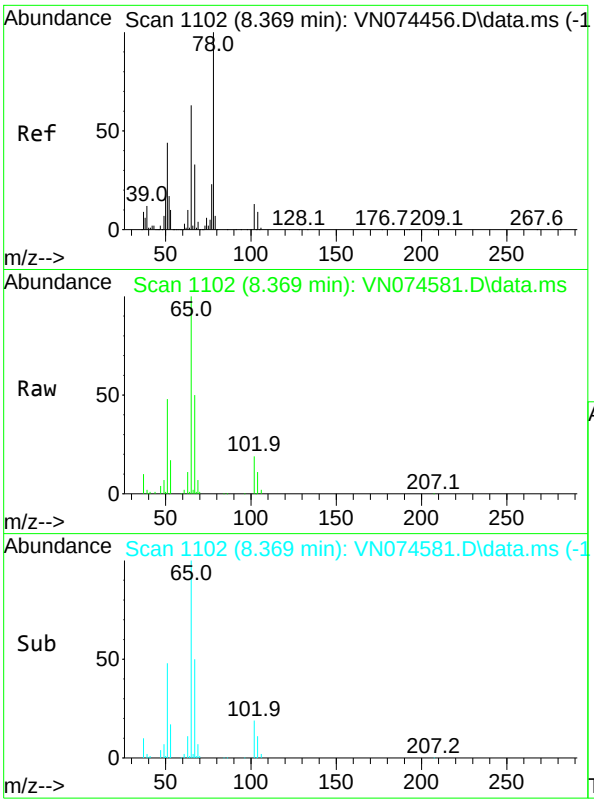


#16
Acetone
Concen: 5.711 ug/l
RT: 4.228 min Scan# 398
Delta R.T. 0.012 min
Lab File: VN074581.D
Acq: 19 Sep 2022 13:12

Tgt Ion: 43 Resp: 15461

Ion	Ratio	Lower	Upper
43	100		
58	34.8	26.0	39.0



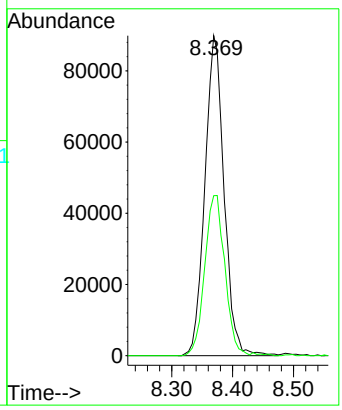


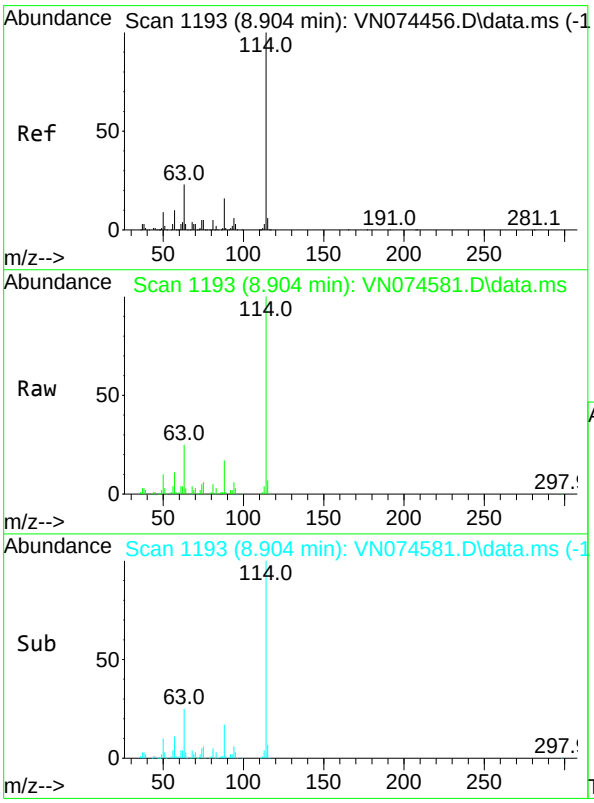
#33
1,2-Dichloroethane-d4
Concen: 46.525 ug/l
RT: 8.369 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN074581.D
Acq: 19 Sep 2022 13:12

Instrument :
MSVOA_N
ClientSampleId :
1034-MW-01(23)DL

Tgt Ion: 65 Resp: 196848

Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	104.8

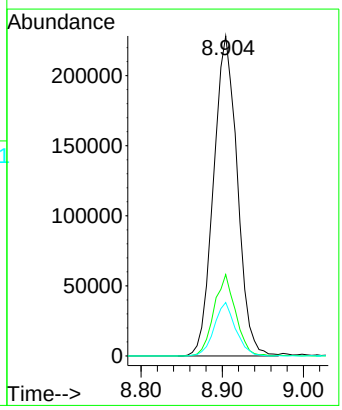


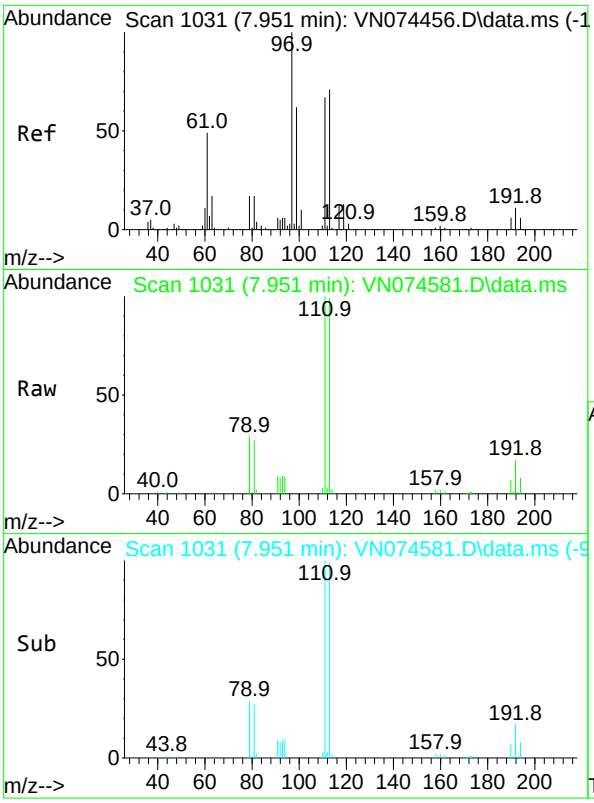


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VN074581.D
Acq: 19 Sep 2022 13:12

Tgt Ion:114 Resp: 464064

Ion	Ratio	Lower	Upper
114	100		
63	25.4	0.0	40.0
88	16.7	0.0	32.6



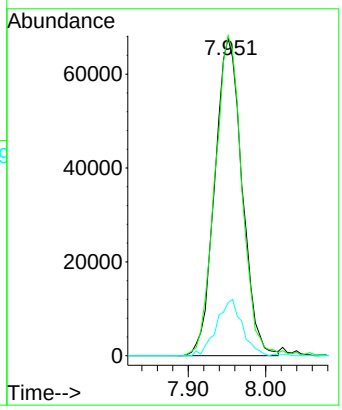


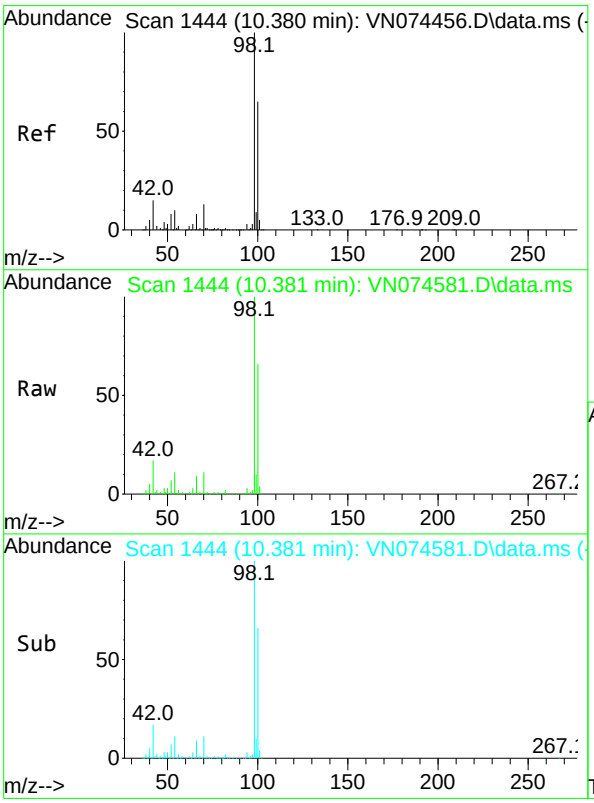
#35
Dibromofluoromethane
Concen: 53.727 ug/l
RT: 7.951 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074581.D
Acq: 19 Sep 2022 13:12

Instrument :
MSVOA_N
ClientSampleId :
1034-MW-01(23)DL

Tgt Ion:113 Resp: 165623

Ion	Ratio	Lower	Upper
113	100		
111	100.0	81.4	122.0
192	16.6	17.0	25.6#

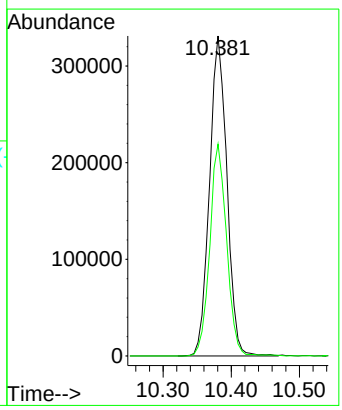


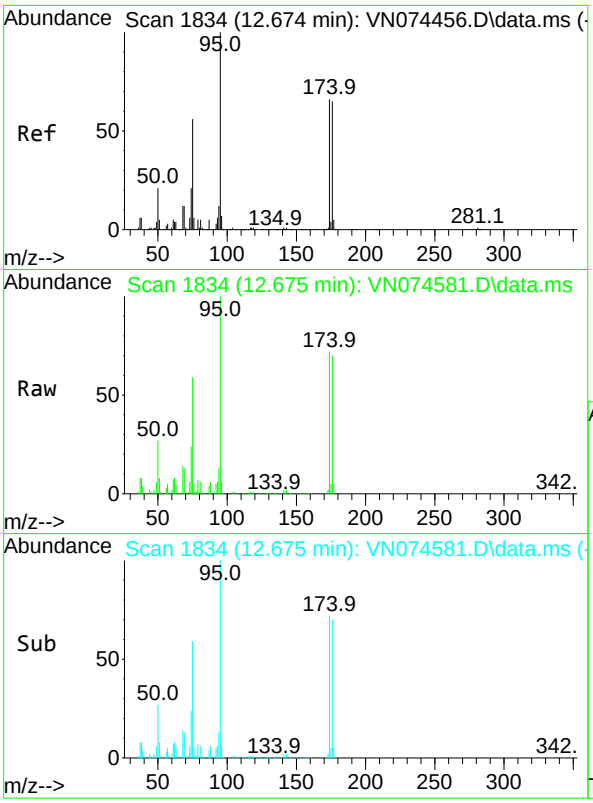


#50
Toluene-d8
Concen: 49.295 ug/l
RT: 10.381 min Scan# 1444
Delta R.T. 0.001 min
Lab File: VN074581.D
Acq: 19 Sep 2022 13:12

Tgt Ion: 98 Resp: 587687

Ion	Ratio	Lower	Upper
98	100		
100	64.2	52.6	78.8



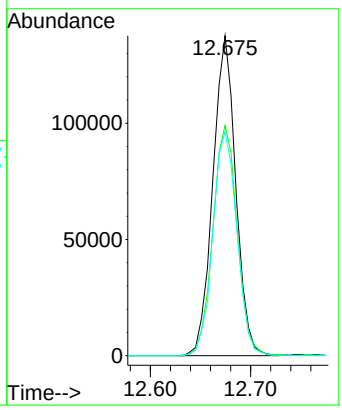


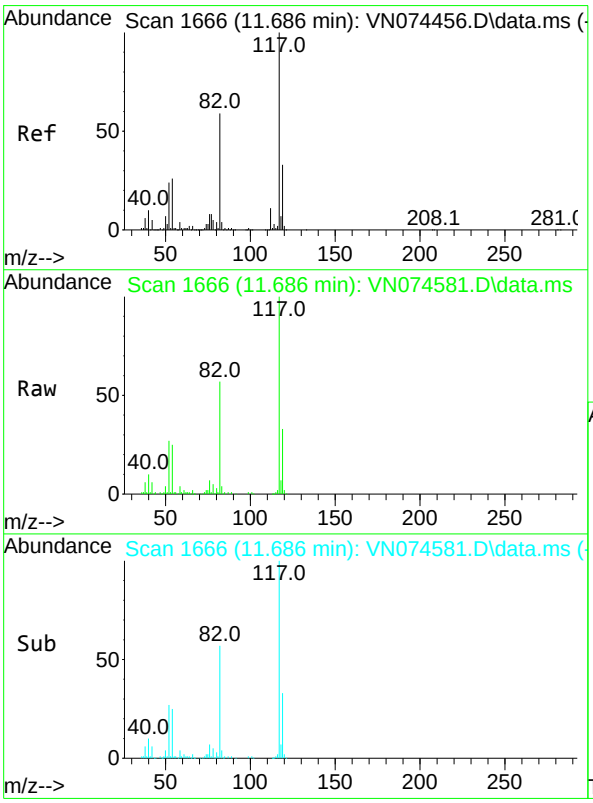
#62
4-Bromofluorobenzene
Concen: 53.428 ug/l
RT: 12.675 min Scan# 1
Delta R.T. 0.001 min
Lab File: VN074581.D
Acq: 19 Sep 2022 13:12

Instrument :
MSVOA_N
ClientSampleId :
1034-MW-01(23)DL

Tgt Ion: 95 Resp: 218158

Ion	Ratio	Lower	Upper
95	100		
174	76.5	0.0	167.6
176	73.8	0.0	163.4

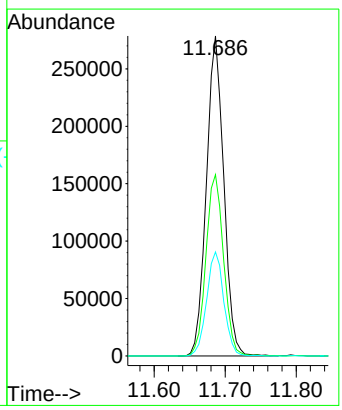


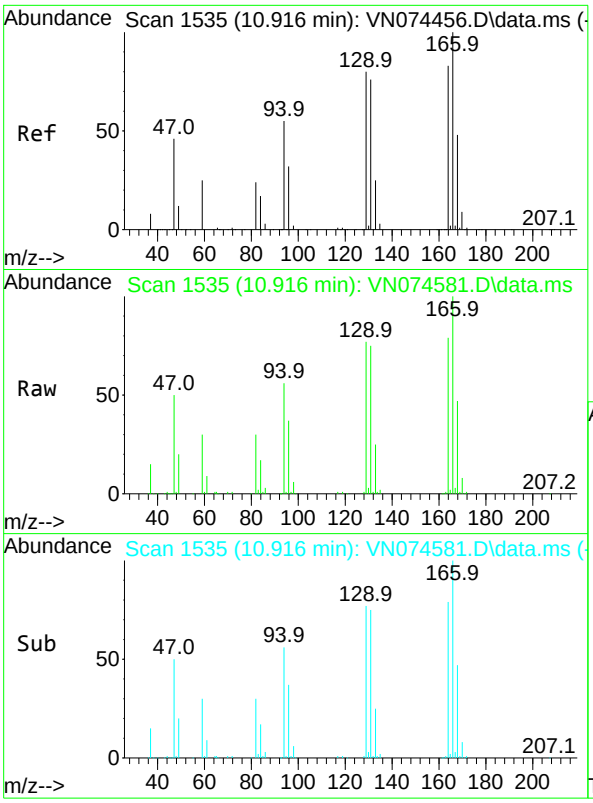


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN074581.D
Acq: 19 Sep 2022 13:12

Tgt Ion:117 Resp: 474127

Ion	Ratio	Lower	Upper
117	100		
82	56.7	44.2	66.2
119	32.5	25.4	38.0



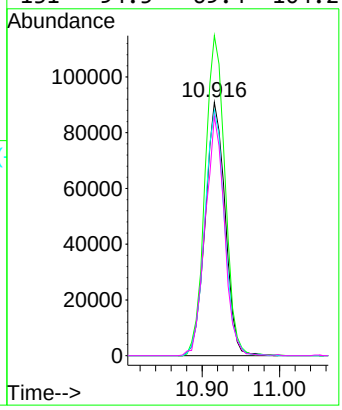


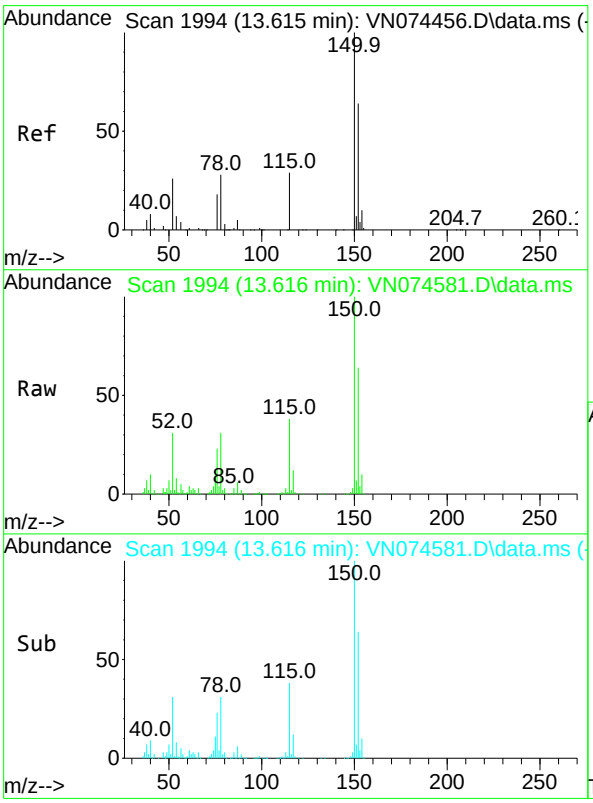
#64
Tetrachloroethene
Concen: 49.666 ug/l
RT: 10.916 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074581.D
Acq: 19 Sep 2022 13:12

Instrument :
MSVOA_N
ClientSampleId :
1034-MW-01(23)DL

Tgt Ion:164 Resp: 161605

Ion	Ratio	Lower	Upper
164	100		
166	126.3	104.2	156.2
129	96.7	73.9	110.9
131	94.5	69.4	104.2

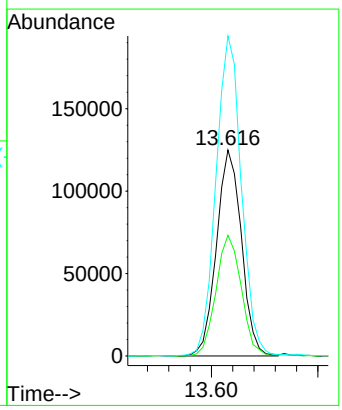




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1994
Delta R.T. 0.001 min
Lab File: VN074581.D
Acq: 19 Sep 2022 13:12

Tgt Ion:152 Resp: 203057

Ion	Ratio	Lower	Upper
152	100		
115	59.7	28.9	86.7
150	157.7	0.0	356.2



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/08/22
Project:	Andrews St. Site	Date Received:	09/12/22
Client Sample ID:	1035-MW-02(23.8)	SDG No.:	N4647
Lab Sample ID:	N4647-02	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN074569.D	1		09/17/22 20:32	VN091722

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.17	1.00	ug/L
74-87-3	Chloromethane	1.00	UQ	0.20	1.00	ug/L
75-01-4	Vinyl Chloride	4.40	Q	0.22	1.00	ug/L
74-83-9	Bromomethane	5.00	UQ	1.60	5.00	ug/L
75-00-3	Chloroethane	1.00	UQ	0.26	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.20	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.17	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.23	1.00	ug/L
67-64-1	Acetone	15.2		1.20	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.26	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.18	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.53	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.80		0.20	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.20	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.20	5.00	ug/L
78-93-3	2-Butanone	3.60	J	0.82	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.18	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	34.1		0.17	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.19	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.18	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.18	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.13	1.00	ug/L
71-43-2	Benzene	1.00	U	0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.18	1.00	ug/L
79-01-6	Trichloroethene	30.3		0.27	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.17	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.18	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.87	5.00	ug/L
108-88-3	Toluene	1.00	U	0.17	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.14	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.16	1.00	ug/L

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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/08/22
Project:	Andrews St. Site	Date Received:	09/12/22
Client Sample ID:	1035-MW-02(23.8)	SDG No.:	N4647
Lab Sample ID:	N4647-02	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN074569.D	1		09/17/22 20:32	VN091722

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1.00	U	0.19	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	0.76	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.14	1.00	ug/L
127-18-4	Tetrachloroethene	59.8		0.18	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.17	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.17	1.00	ug/L
179601-23-1	m/p-Xylenes	2.00	U	0.33	2.00	ug/L
95-47-6	o-Xylene	1.00	U	0.18	1.00	ug/L
100-42-5	Styrene	1.00	U	0.13	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.16	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.19	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.23	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.20	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.17	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.42	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.23	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.33	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46.2		74 - 125	92%	SPK: 50
1868-53-7	Dibromofluoromethane	50.4		75 - 124	101%	SPK: 50
2037-26-5	Toluene-d8	47.8		86 - 113	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.8		83 - 123	108%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	262000	8.016			
540-36-3	1,4-Difluorobenzene	510000	8.904			
3114-55-4	Chlorobenzene-d5	510000	11.686			
3855-82-1	1,4-Dichlorobenzene-d4	214000	13.615			
TENTATIVE IDENTIFIED COMPOUNDS						
007446-09-5	Sulfur dioxide	25.7	JB		2.20	ug/L
1000226-69-7	tert-Butyl isopropyl disulfide, pe	5.60	J		2.70	ug/L
109-99-9	Tetrahydrofuran	1.60	J		7.62	ug/L

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/08/22
Project:	Andrews St. Site	Date Received:	09/12/22
Client Sample ID:	1035-MW-02(23.8)	SDG No.:	N4647
Lab Sample ID:	N4647-02	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN074569.D	1		09/17/22 20:32	VN091722

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091722\
Data File : VN074569.D
Acq On : 17 Sep 2022 20:32
Operator : JC\MD
Sample : N4647-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
1035-MW-02(23.8)

Quant Time: Sep 19 02:59:06 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 15 19:20:33 2022
Response via : Initial Calibration

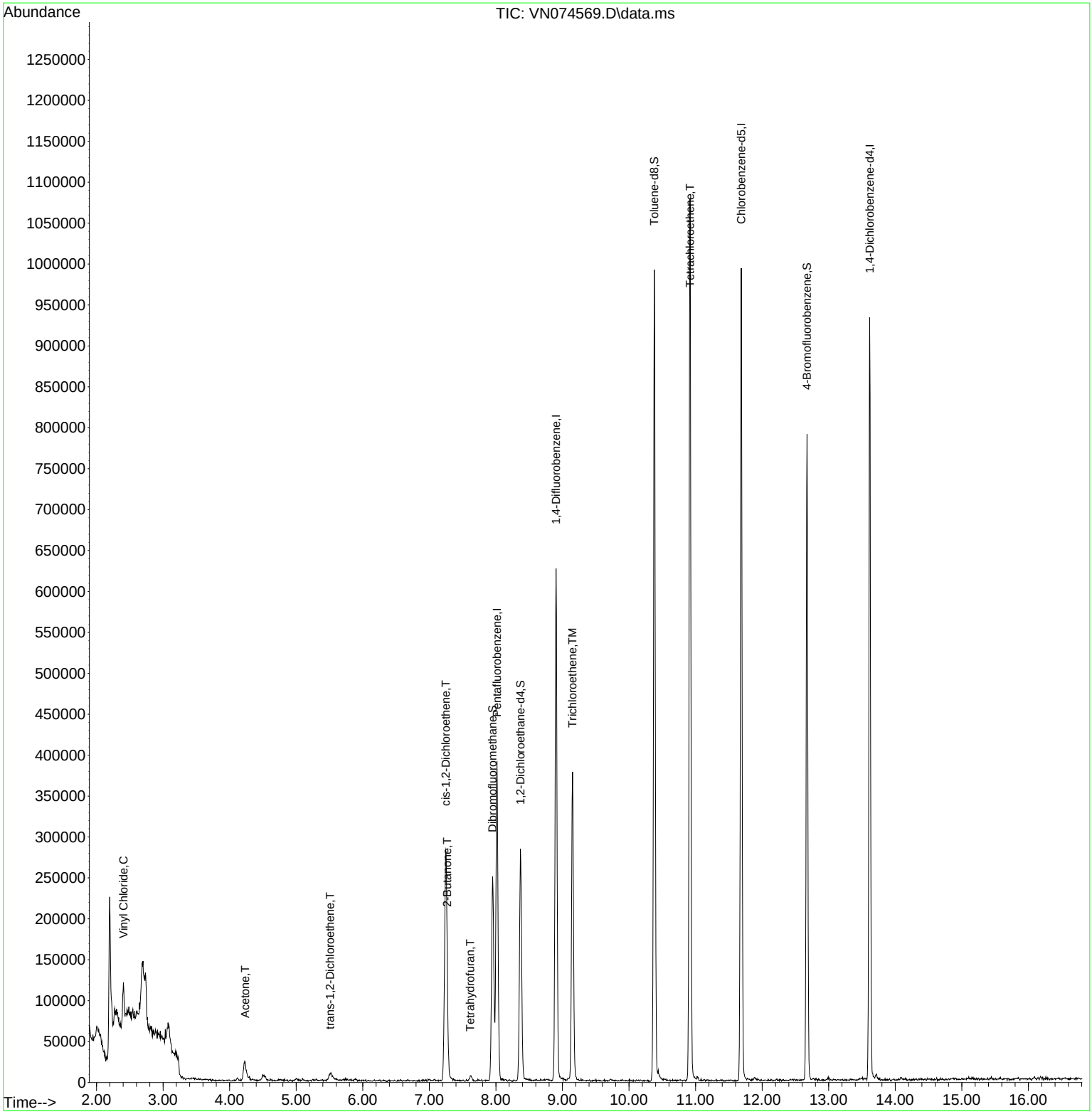
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.016	168	262025	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	509973	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	509727	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	214491	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	205519	46.227	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 92.460%			
35) Dibromofluoromethane	7.951	113	170845	50.432	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.860%			
50) Toluene-d8	10.380	98	626035	47.784	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 95.560%			
62) 4-Bromofluorobenzene	12.674	95	241611	53.845	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 107.700%			
Target Compounds						Qvalue
4) Vinyl Chloride	2.404	62	22427	4.369	ug/l #	65
16) Acetone	4.234	43	43113	15.154	ug/l #	81
21) trans-1,2-Dichloroethene	5.510	96	5216	1.793	ug/l #	47
25) 2-Butanone	7.269	43	17060	3.612	ug/l	90
27) cis-1,2-Dichloroethene	7.245	96	165433	34.097	ug/l	95
29) Tetrahydrofuran	7.616	42	5101	1.643	ug/l #	72
44) Trichloroethene	9.151	130	121552	30.295	ug/l	92
64) Tetrachloroethene	10.916	164	209159	59.792	ug/l	94

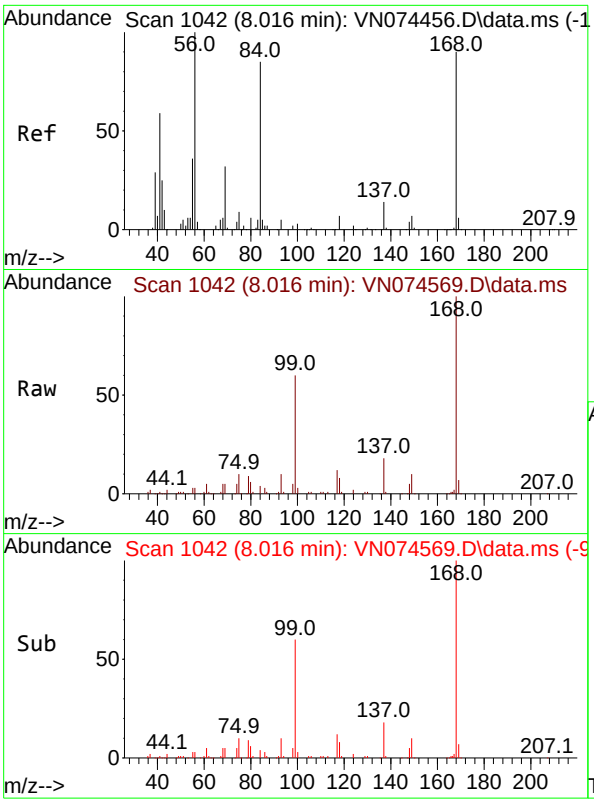
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091722\
Data File : VN074569.D
Acq On : 17 Sep 2022 20:32
Operator : JC\MD
Sample : N4647-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
1035-MW-02(23.8)

Quant Time: Sep 19 02:59:06 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 15 19:20:33 2022
Response via : Initial Calibration



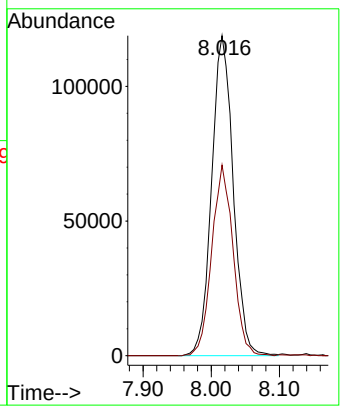


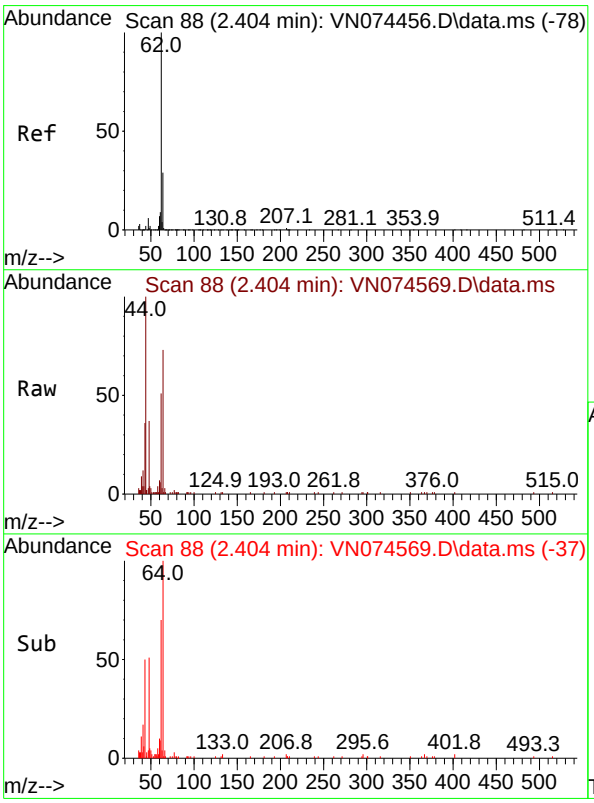
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074569.D
Acq: 17 Sep 2022 20:32

Instrument :
MSVOA_N
ClientSampleId :
1035-MW-02(23.8)

Tgt Ion:168 Resp: 262025

Ion	Ratio	Lower	Upper
168	100		
99	59.6	42.3	63.5

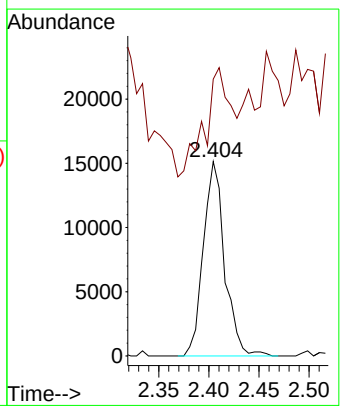


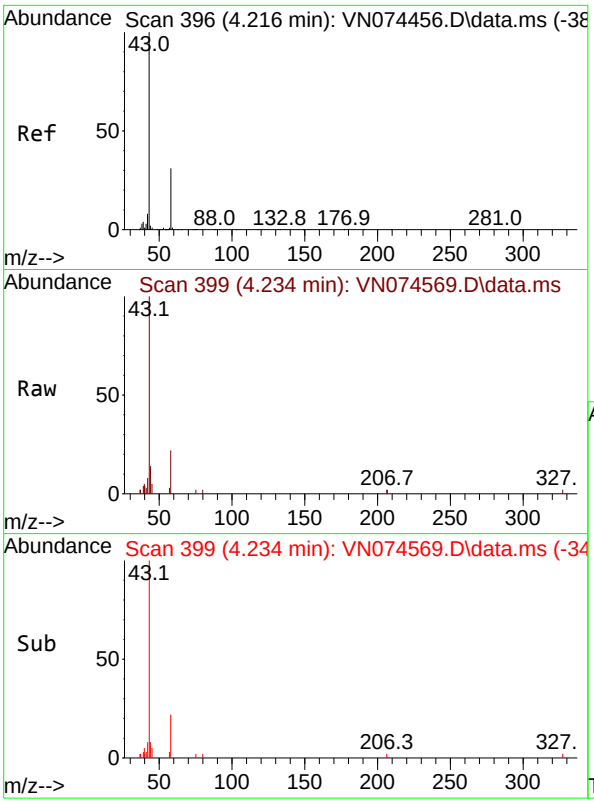


#4
Vinyl Chloride
Concen: 4.369 ug/l
RT: 2.404 min Scan# 88
Delta R.T. 0.000 min
Lab File: VN074569.D
Acq: 17 Sep 2022 20:32

Tgt Ion: 62 Resp: 22427

Ion	Ratio	Lower	Upper
62	100		
64	50.3	25.0	37.4#



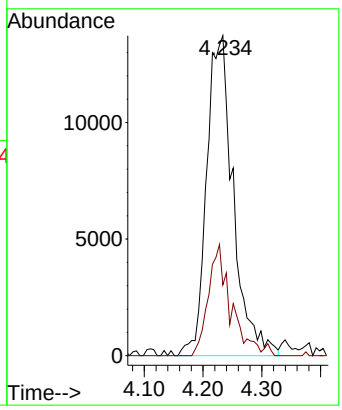


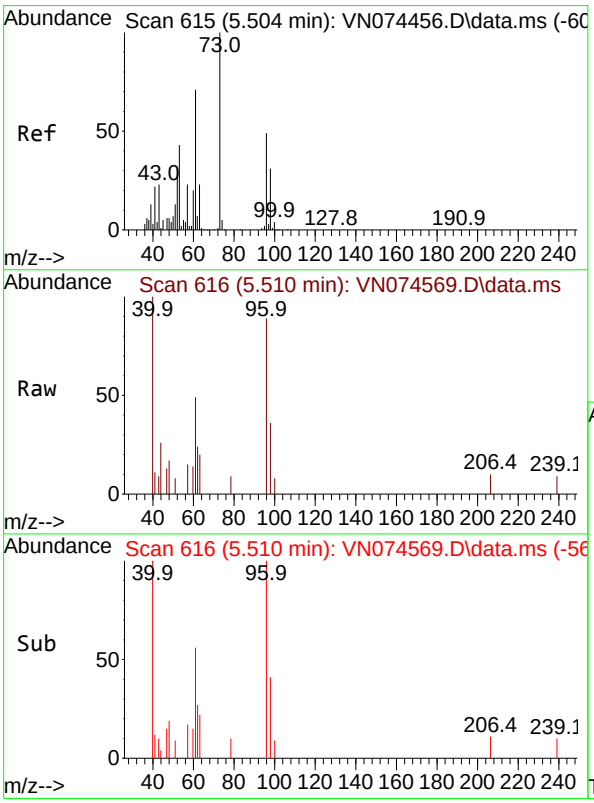
#16
Acetone
Concen: 15.154 ug/l
RT: 4.234 min Scan# 3
Delta R.T. 0.018 min
Lab File: VN074569.D
Acq: 17 Sep 2022 20:32

Instrument :
MSVOA_N
ClientSampleId :
1035-MW-02(23.8)

Tgt Ion: 43 Resp: 43113

Ion	Ratio	Lower	Upper
43	100		
58	22.1	26.0	39.0#

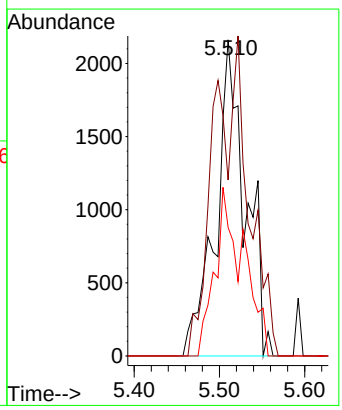


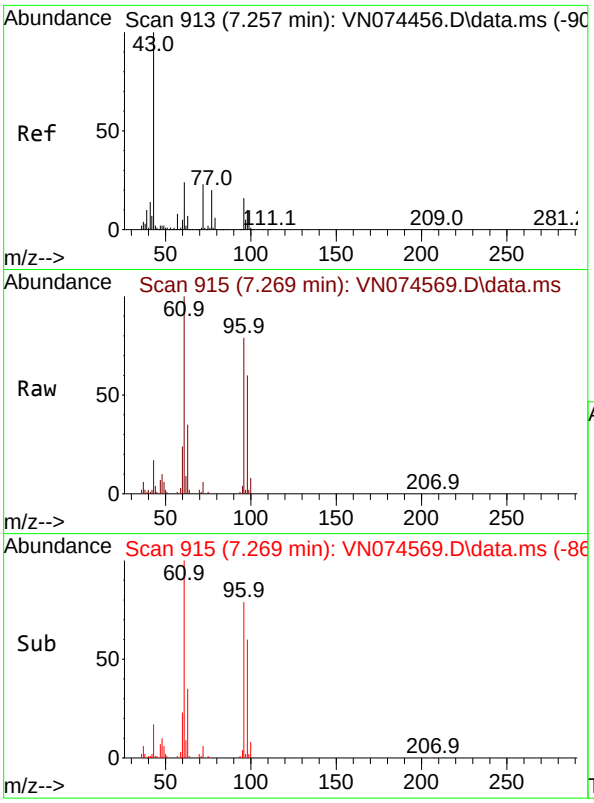


#21
trans-1,2-Dichloroethene
Concen: 1.793 ug/l
RT: 5.510 min Scan# 616
Delta R.T. 0.006 min
Lab File: VN074569.D
Acq: 17 Sep 2022 20:32

Tgt Ion: 96 Resp: 5216

Ion	Ratio	Lower	Upper
96	100		
61	55.6	105.8	158.8#
98	40.6	50.3	75.5#



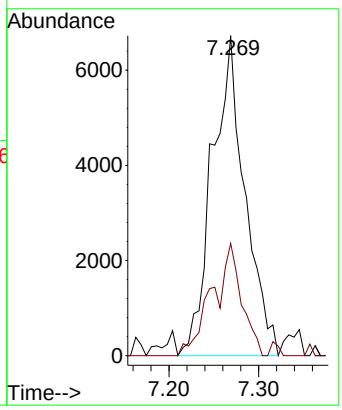


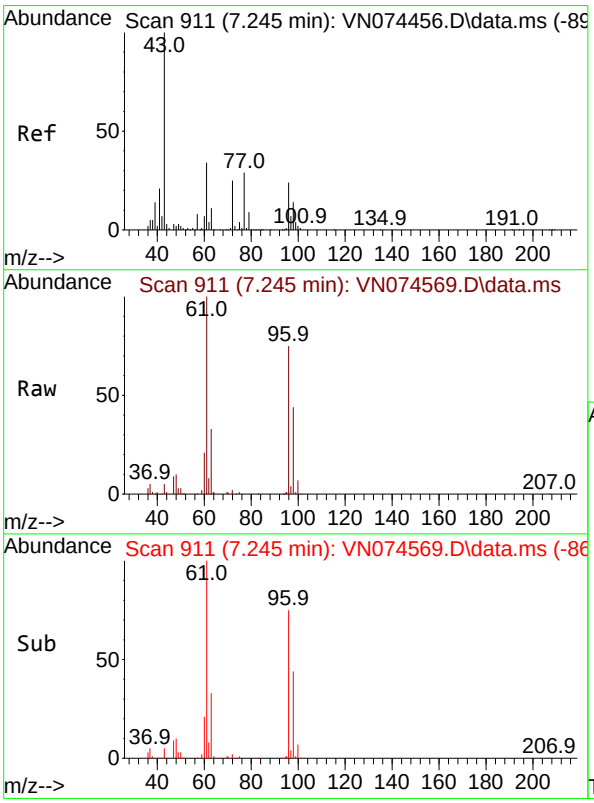
#25
2-Butanone
Concen: 3.612 ug/l
RT: 7.269 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN074569.D
Acq: 17 Sep 2022 20:32

Instrument :
MSVOA_N
ClientSampleId :
1035-MW-02(23.8)

Tgt Ion: 43 Resp: 17060

Ion	Ratio	Lower	Upper
43	100		
72	35.1	23.7	35.5

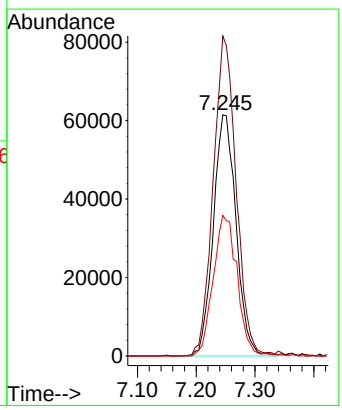


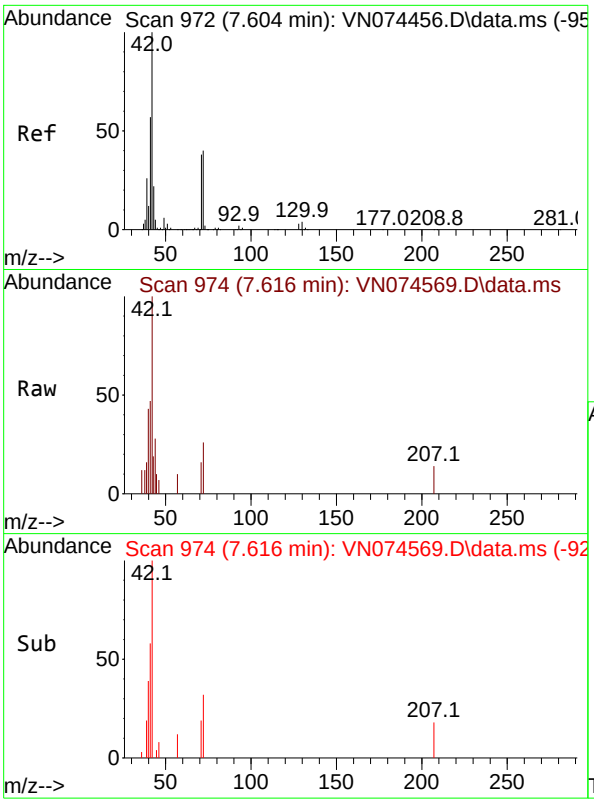


#27
cis-1,2-Dichloroethene
Concen: 34.097 ug/l
RT: 7.245 min Scan# 911
Delta R.T. 0.000 min
Lab File: VN074569.D
Acq: 17 Sep 2022 20:32

Tgt Ion: 96 Resp: 165433

Ion	Ratio	Lower	Upper
96	100		
61	133.4	0.0	280.6
98	61.3	0.0	128.4



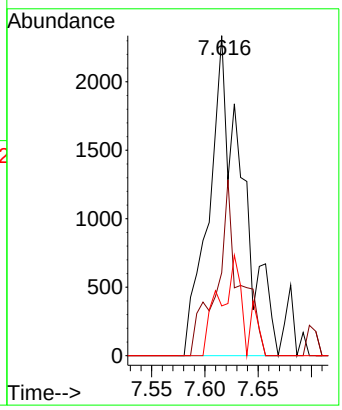


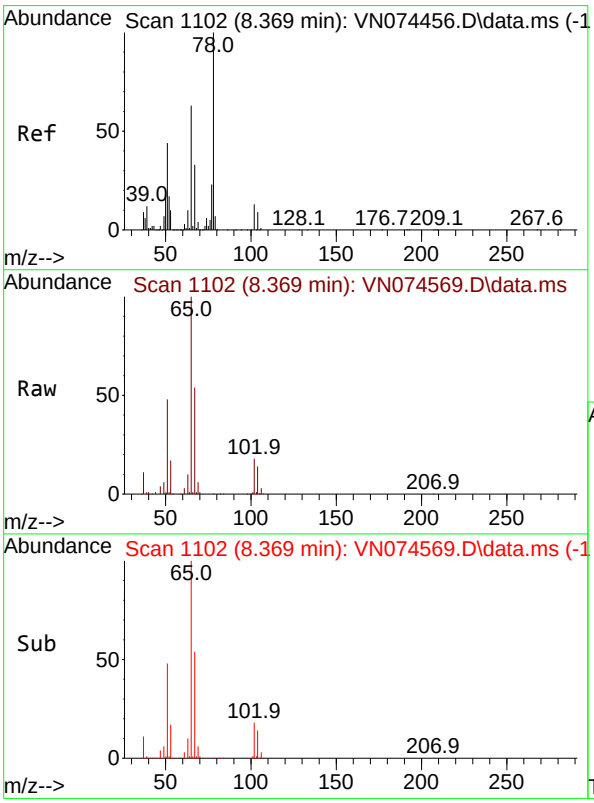
#29
Tetrahydrofuran
Concen: 1.643 ug/l
RT: 7.616 min Scan# 9
Delta R.T. 0.012 min
Lab File: VN074569.D
Acq: 17 Sep 2022 20:32

Instrument :
MSVOA_N
ClientSampleId :
1035-MW-02(23.8)

Tgt Ion: 42 Resp: 5101

Ion	Ratio	Lower	Upper
42	100		
72	38.3	39.7	59.5#
71	19.4	36.6	55.0#

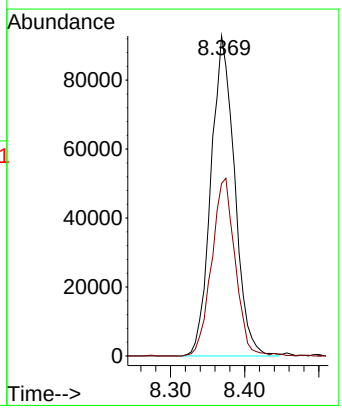


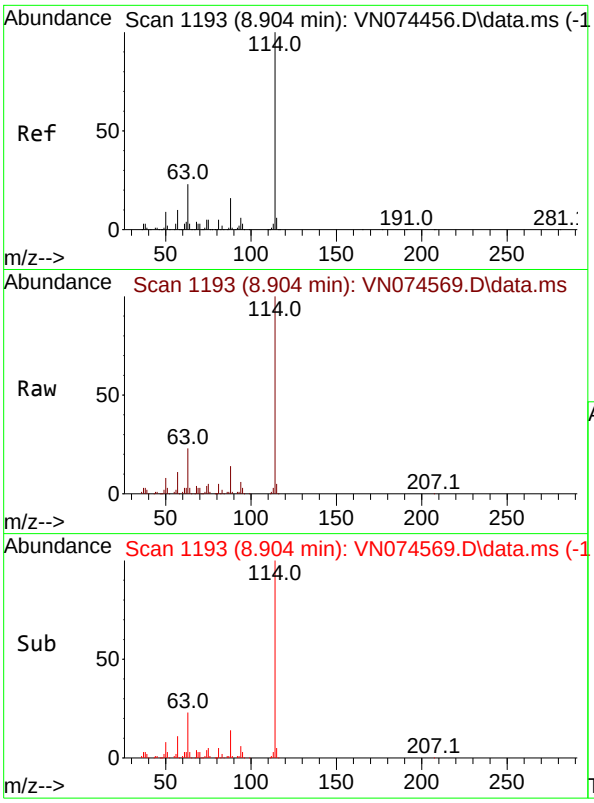


#33
1,2-Dichloroethane-d4
Concen: 46.227 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VN074569.D
Acq: 17 Sep 2022 20:32

Tgt Ion: 65 Resp: 205519

Ion	Ratio	Lower	Upper
65	100		
67	55.0	0.0	104.8



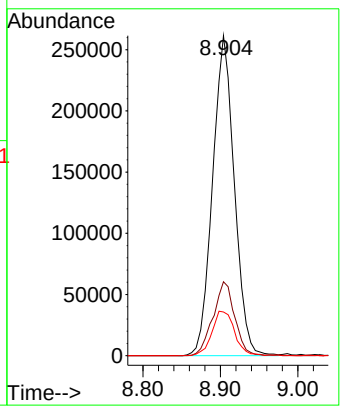


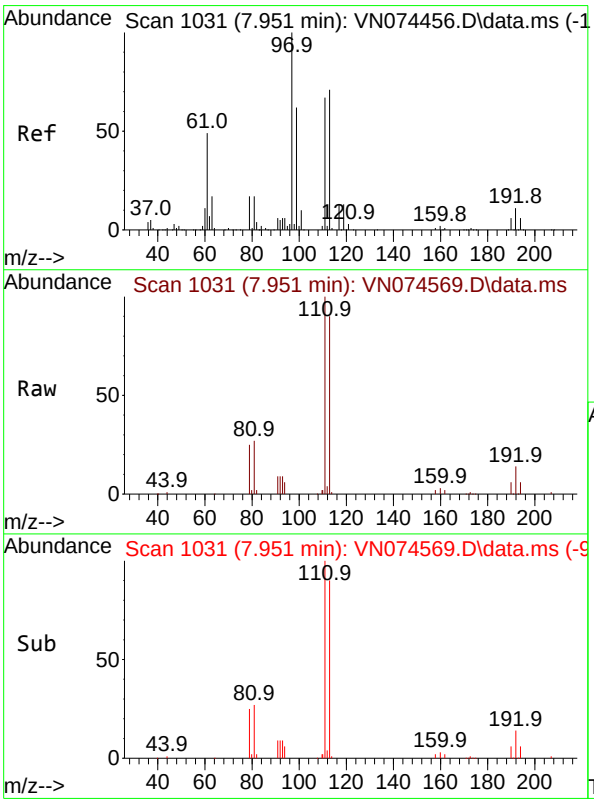
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN074569.D
Acq: 17 Sep 2022 20:32

Instrument :
MSVOA_N
ClientSampleId :
1035-MW-02(23.8)

Tgt Ion:114 Resp: 509973

Ion	Ratio	Lower	Upper
114	100		
63	23.0	0.0	40.0
88	13.7	0.0	32.6

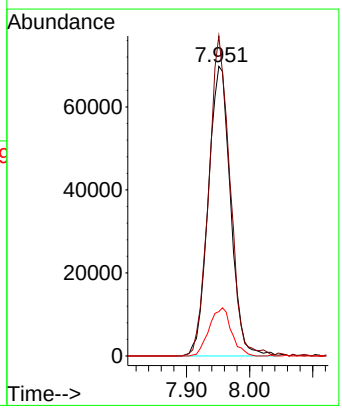


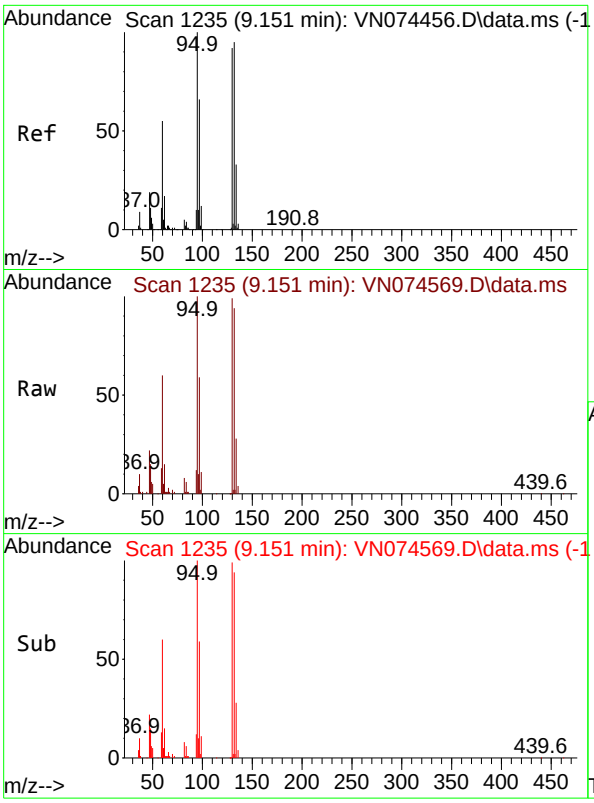


#35
Dibromofluoromethane
Concen: 50.432 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VN074569.D
Acq: 17 Sep 2022 20:32

Tgt Ion:113 Resp: 170845

Ion	Ratio	Lower	Upper
113	100		
111	105.1	81.4	122.0
192	16.6	17.0	25.6#



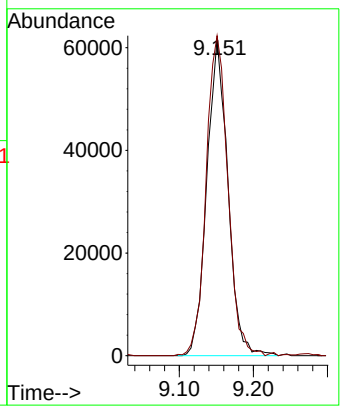


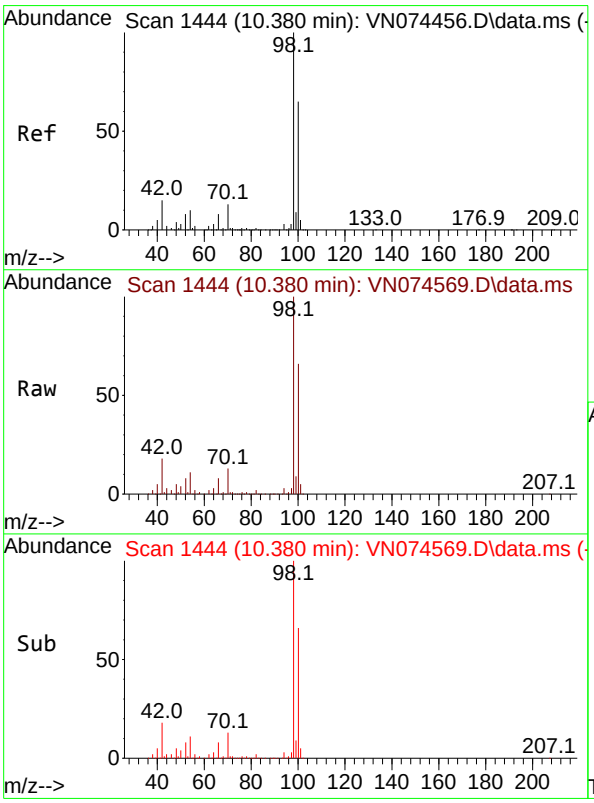
#44
Trichloroethene
Concen: 30.295 ug/l
RT: 9.151 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074569.D
Acq: 17 Sep 2022 20:32

Instrument :
MSVOA_N
ClientSampleId :
1035-MW-02(23.8)

Tgt Ion:130 Resp: 121552

Ion	Ratio	Lower	Upper
130	100		
95	100.7	0.0	186.8

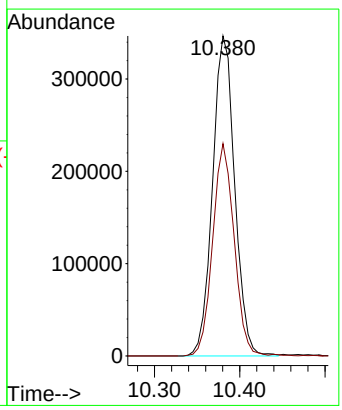


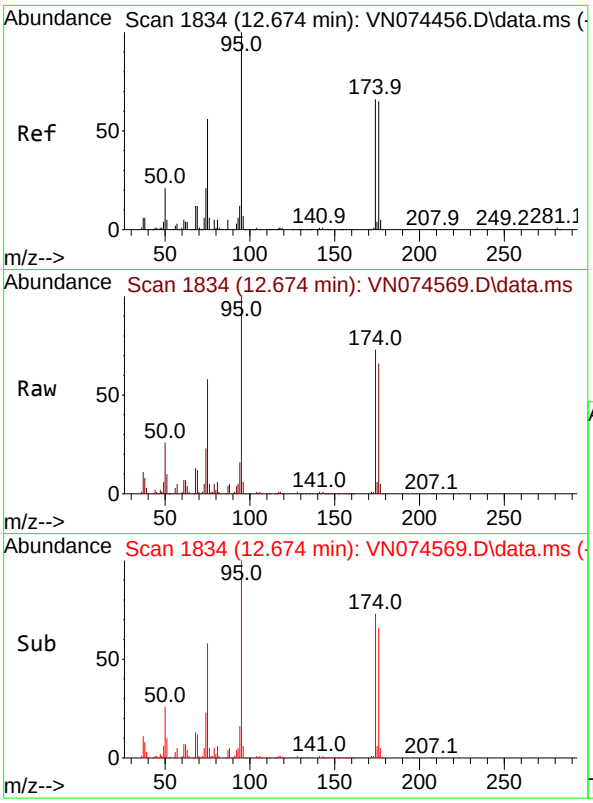


#50
Toluene-d8
Concen: 47.784 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074569.D
Acq: 17 Sep 2022 20:32

Tgt Ion: 98 Resp: 626035

Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.6	78.8



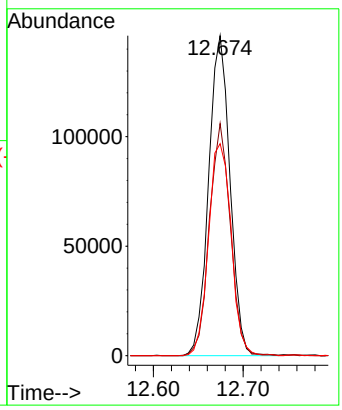


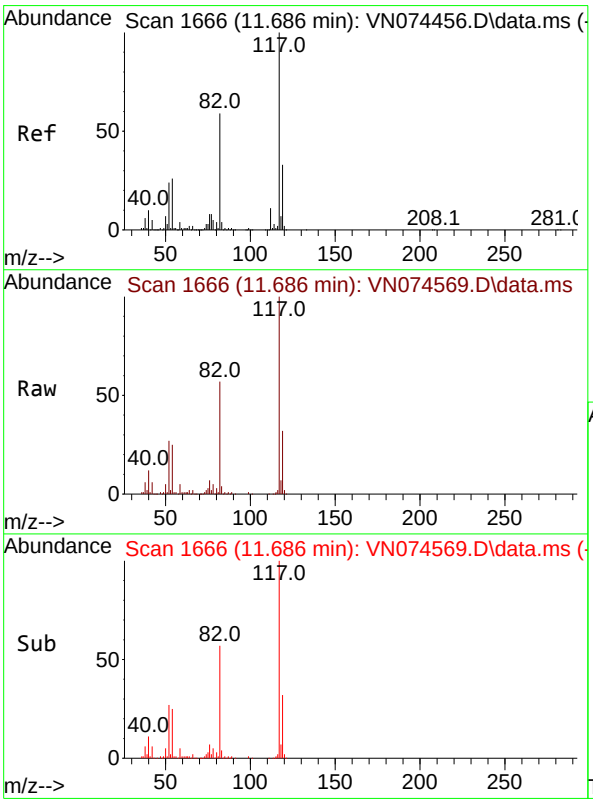
#62
4-Bromofluorobenzene
Concen: 53.845 ug/l
RT: 12.674 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074569.D
Acq: 17 Sep 2022 20:32

Instrument :
MSVOA_N
ClientSampleId :
1035-MW-02(23.8)

Tgt Ion: 95 Resp: 241611

Ion	Ratio	Lower	Upper
95	100		
174	71.3	0.0	167.6
176	70.3	0.0	163.4

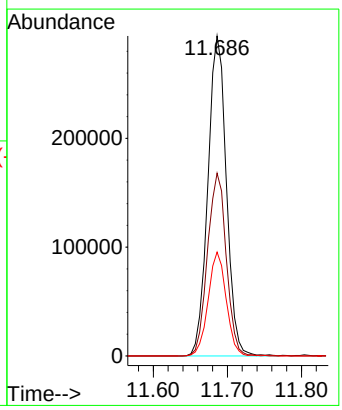


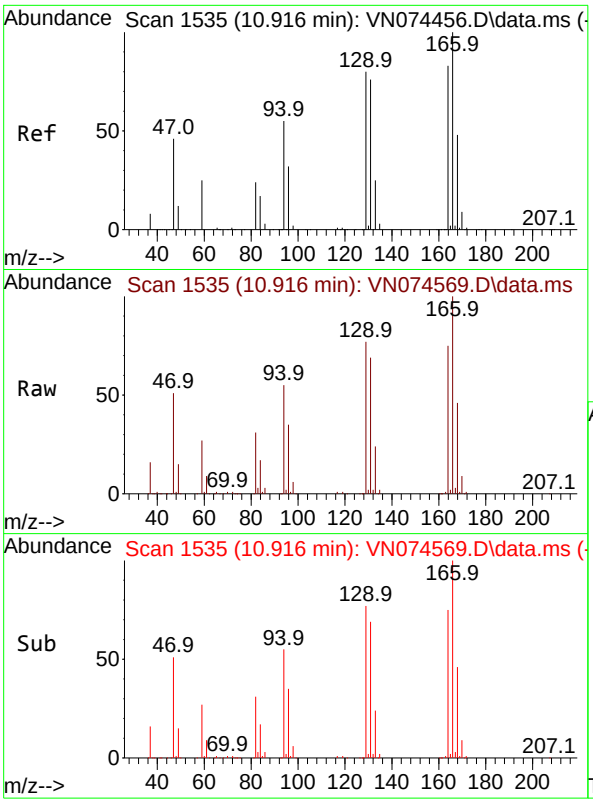


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN074569.D
Acq: 17 Sep 2022 20:32

Tgt Ion:117 Resp: 509727

Ion	Ratio	Lower	Upper
117	100		
82	57.1	44.2	66.2
119	32.5	25.4	38.0



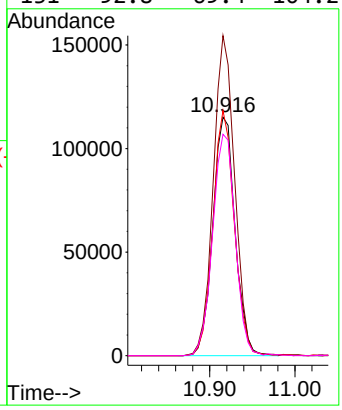


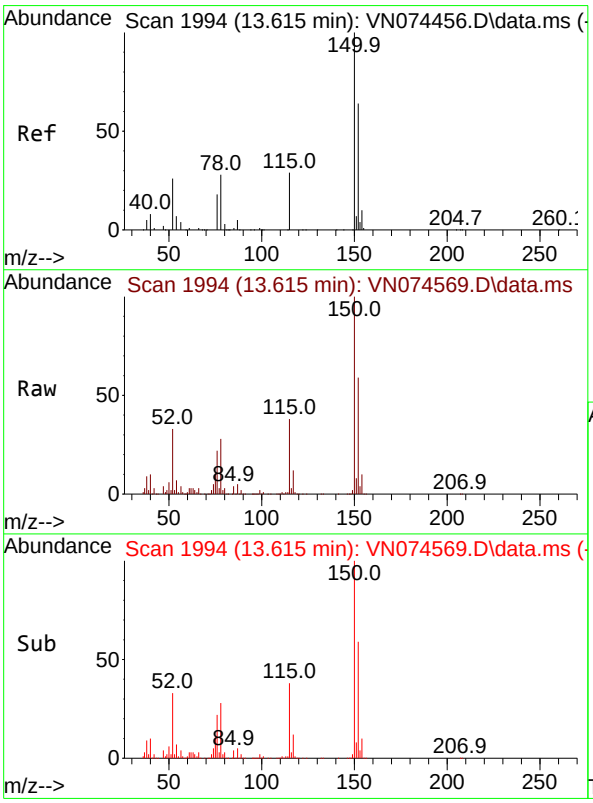
#64
Tetrachloroethene
Concen: 59.792 ug/l
RT: 10.916 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074569.D
Acq: 17 Sep 2022 20:32

Instrument :
MSVOA_N
ClientSampleId :
1035-MW-02(23.8)

Tgt Ion:164 Resp: 209159

Ion	Ratio	Lower	Upper
164	100		
166	134.1	104.2	156.2
129	102.7	73.9	110.9
131	92.8	69.4	104.2

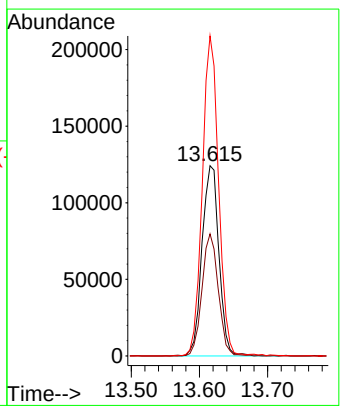




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.615 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VN074569.D
Acq: 17 Sep 2022 20:32

Tgt Ion:152 Resp: 214491

Ion	Ratio	Lower	Upper
152	100		
115	62.0	28.9	86.7
150	162.0	0.0	356.2



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091722\
Data File : VN074569.D
Acq On : 17 Sep 2022 20:32
Operator : JC\MD
Sample : N4647-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
1035-MW-02(23.8)

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Title : SW846 8260

Signal : TIC: VN074569.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.199	47	53	61	rBV	197925	426517	22.31%	3.076%
2	2.275	63	66	69	rVV3	19982	32949	1.72%	0.238%
3	2.404	84	88	92	rBV3	47421	70622	3.69%	0.509%
4	2.698	132	138	141	rBV2	43020	92879	4.86%	0.670%
5	4.228	389	398	407	rBV2	23506	70420	3.68%	0.508%
6	7.245	900	911	927	rBV2	282341	792527	41.45%	5.716%
7	7.951	1022	1031	1037	rBV2	249185	610575	31.93%	4.404%
8	8.016	1037	1042	1054	rVB	389637	831382	43.48%	5.997%
9	8.369	1093	1102	1112	rBV2	283089	641719	33.56%	4.629%
10	8.904	1184	1193	1202	rBV	625467	1256867	65.73%	9.065%
11	9.151	1226	1235	1247	rVB2	375975	765438	40.03%	5.521%
12	10.380	1434	1444	1453	rBV	991723	1777505	92.96%	12.821%
13	10.916	1527	1535	1546	rBV	1076739	1912068	100.00%	13.791%
14	11.686	1658	1666	1680	rBV	992605	1720697	89.99%	12.411%
15	12.674	1826	1834	1844	rBV	788967	1319831	69.03%	9.520%
16	13.615	1987	1994	2001	rBV	932239	1542311	80.66%	11.124%

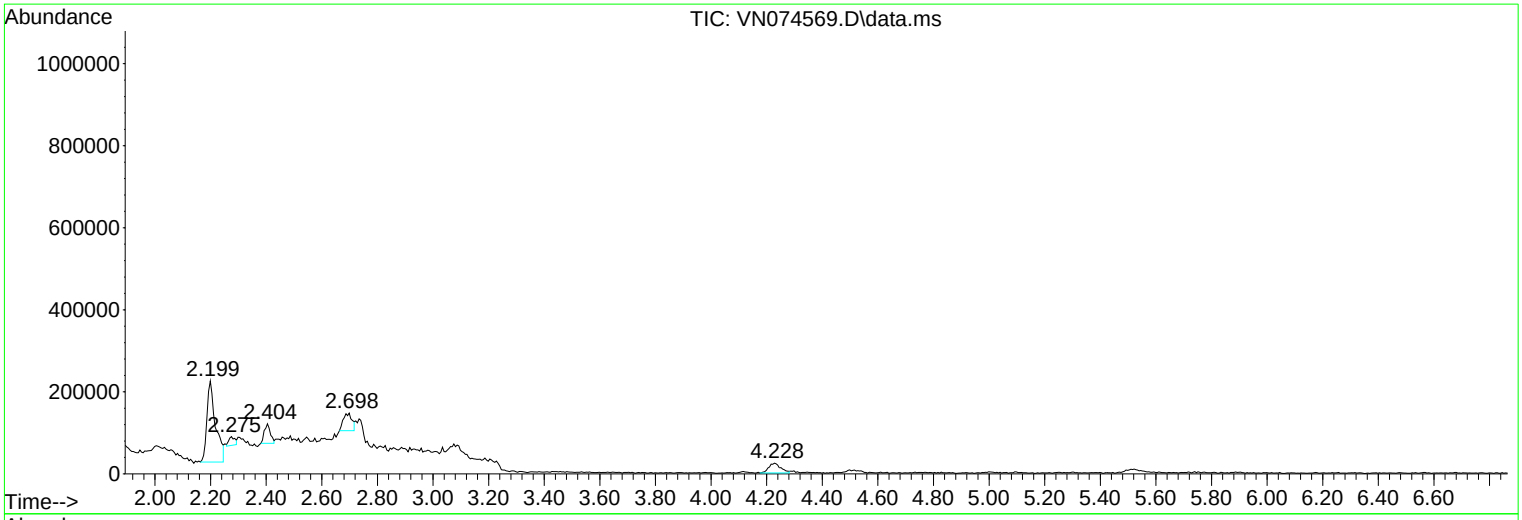
Sum of corrected areas: 13864307

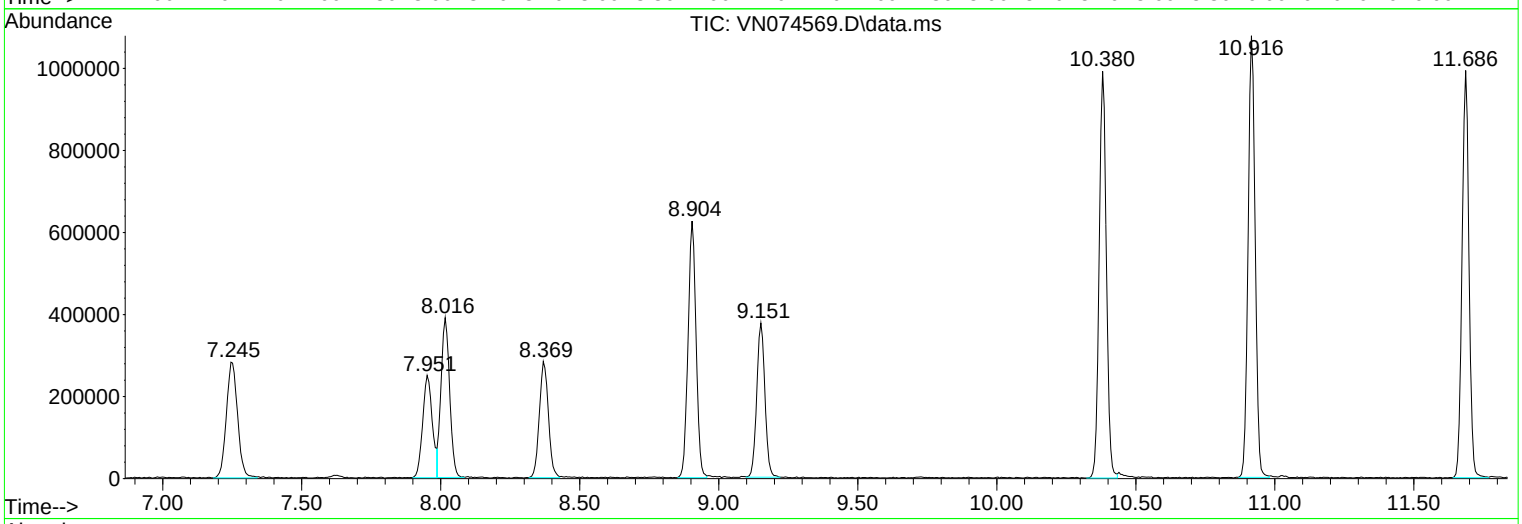
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091722\
Data File : VN074569.D
Acq On : 17 Sep 2022 20:32
Operator : JC\MD
Sample : N4647-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

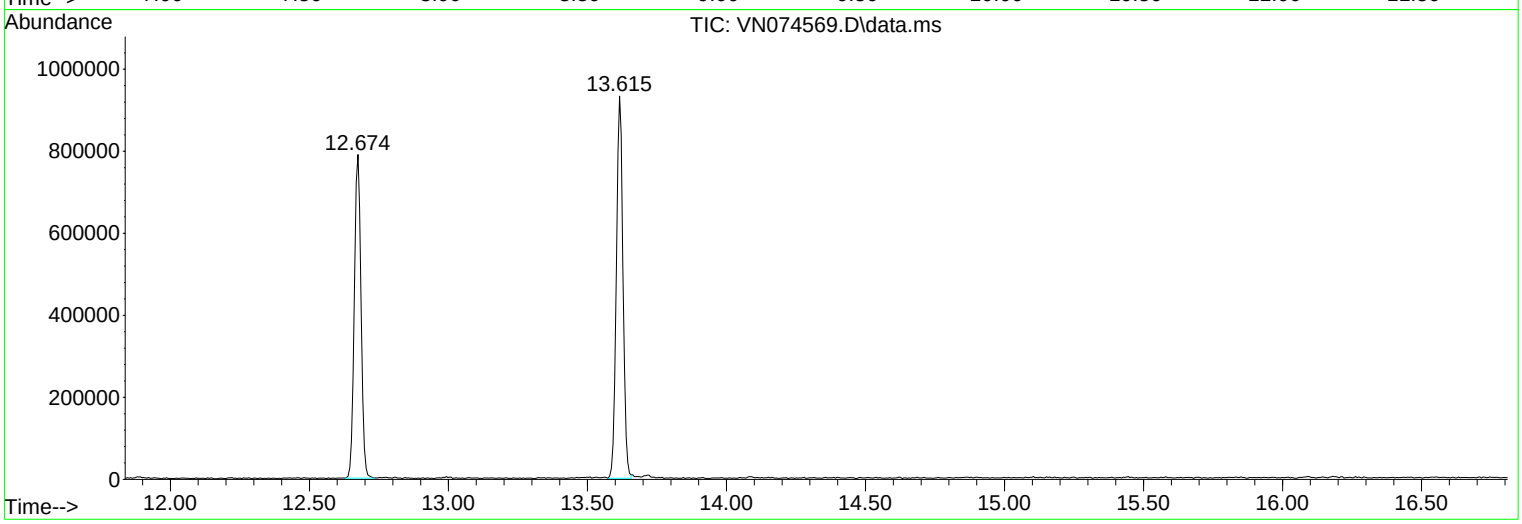
Instrument :
MSVOA_N
ClientSampleId :
1035-MW-02(23.8)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091722\
Data File : VN074569.D
Acq On : 17 Sep 2022 20:32
Operator : JC\MD
Sample : N4647-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
1035-MW-02(23.8)

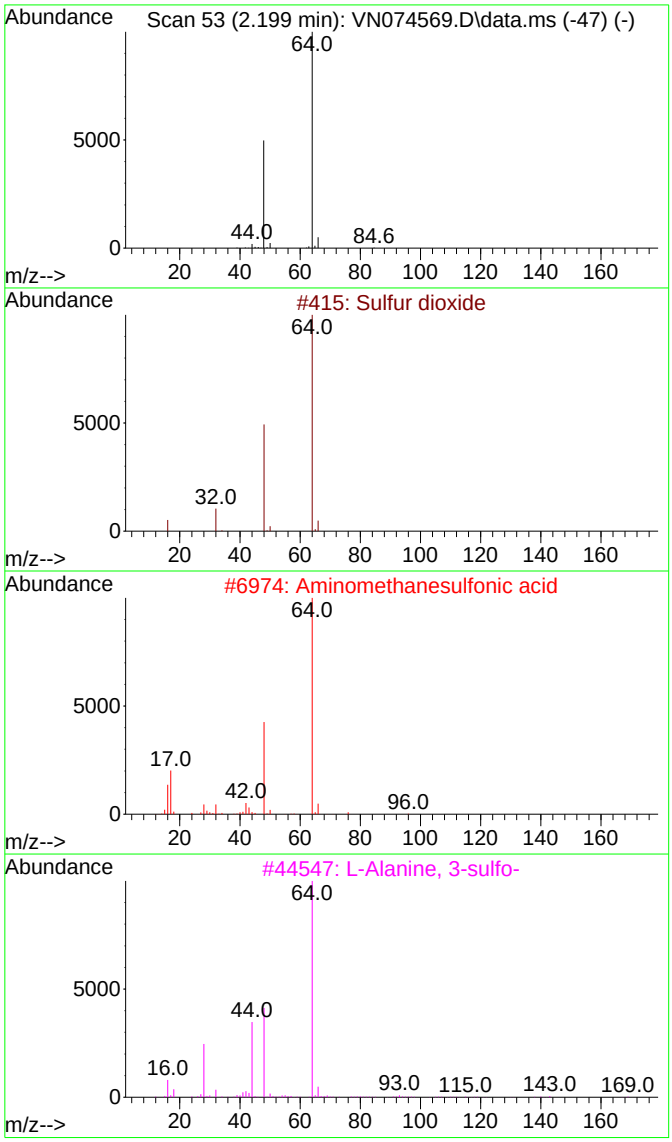
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260

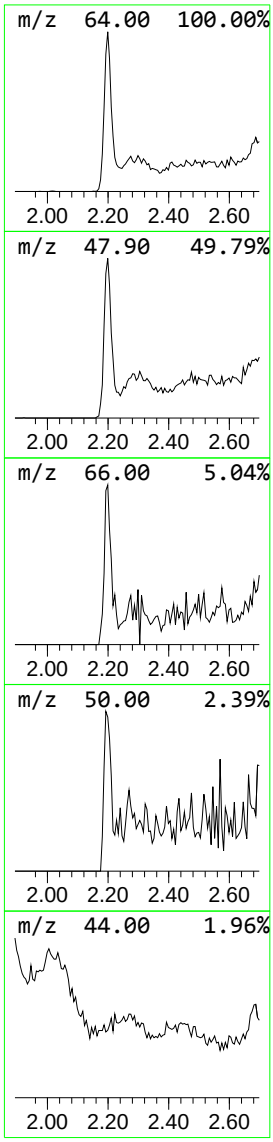
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Sulfur dioxide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.199	25.65 ug/l	426517	Pentafluorobenzene	8.016

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfur dioxide	64	O2S	007446-09-5	83
2	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	74
3	L-Alanine, 3-sulfo-	169	C3H7NO5S	000498-40-8	9
4	Ethene, 1,1-difluoro-	64	C2H2F2	000075-38-7	4
5	Ethyl Chloride	64	C2H5Cl	000075-00-3	4





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Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091722\
Data File : VN074569.D
Acq On    : 17 Sep 2022  20:32
Operator  : JC\MD
Sample    : N4647-02
Misc      : 5.0mL/MSVOA_N/WATER
ALS Vial  : 21   Sample Multiplier: 1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title  : SW846 8260

TIC Library   : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P
```

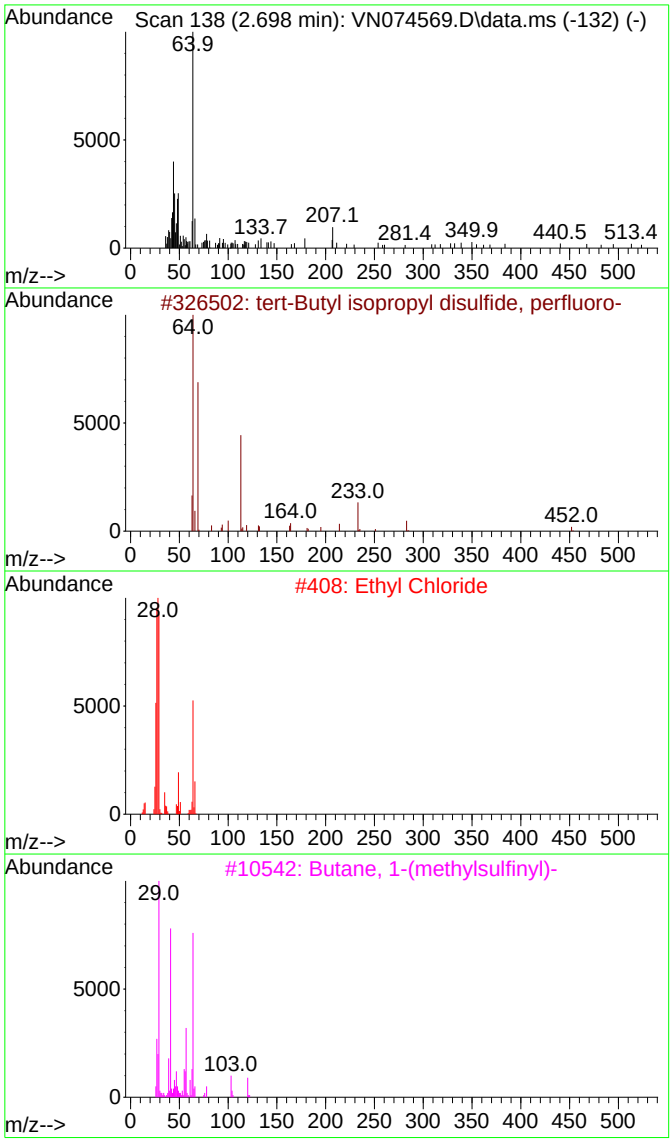
Instrument :
MSVOA_N
ClientSampleId :
1035-MW-02(23.8)

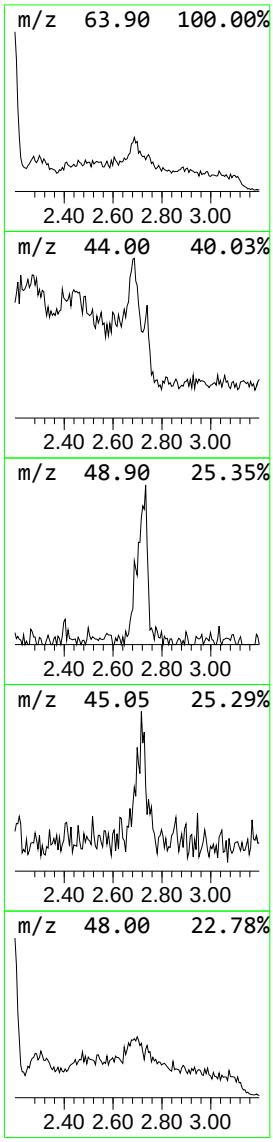
****

Peak Number 2 tert-Butyl isopropyl disulf... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.698	5.59 ug/l	92879	Pentafluorobenzene	8.016

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	tert-Butyl isopropyl disulfide, ...	452	C7F16S2	1000226-69-7	74
2	Ethyl Chloride	64	C2H5Cl	000075-00-3	72
3	Butane, 1-(methylsulfinyl)-	120	C5H12OS	002976-98-9	36
4	Methanesulfonamide, 1-chloro-	129	CH4ClNO2S	021335-43-3	34
5	Cyclobutane, 1,1'-(1,1,2,2-tetra...	354	C10H6F12	035207-94-4	33





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091722\
Data File : VN074569.D
Acq On : 17 Sep 2022 20:32
Operator : JC\MD
Sample : N4647-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
1035-MW-02(23.8)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Sulfur dioxide	2.199	25.6	ug/l	426517	1	8.016	831382	50.0
tert-Butyl isop...	2.698	5.6	ug/l	92879	1	8.016	831382	50.0

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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/08/22
Project:	Andrews St. Site	Date Received:	09/12/22
Client Sample ID:	1036-MW-03A(17)	SDG No.:	N4647
Lab Sample ID:	N4647-05	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN074570.D	1		09/17/22 20:56	VN091722

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.17	1.00	ug/L
74-87-3	Chloromethane	1.00	UQ	0.20	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	UQ	0.22	1.00	ug/L
74-83-9	Bromomethane	5.00	UQ	1.60	5.00	ug/L
75-00-3	Chloroethane	1.00	UQ	0.26	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.20	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.17	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.23	1.00	ug/L
67-64-1	Acetone	16.5		1.20	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.26	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.18	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.53	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	2.80		0.20	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.20	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.20	5.00	ug/L
78-93-3	2-Butanone	5.00	U	0.82	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.18	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	14.5		0.17	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.19	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.18	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.18	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.13	1.00	ug/L
71-43-2	Benzene	1.00	U	0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.18	1.00	ug/L
79-01-6	Trichloroethene	22.4		0.27	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.17	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.18	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.87	5.00	ug/L
108-88-3	Toluene	1.00	U	0.17	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.14	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.16	1.00	ug/L

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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/08/22
Project:	Andrews St. Site	Date Received:	09/12/22
Client Sample ID:	1036-MW-03A(17)	SDG No.:	N4647
Lab Sample ID:	N4647-05	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN074570.D	1		09/17/22 20:56	VN091722

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1.00	U	0.19	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	0.76	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.14	1.00	ug/L
127-18-4	Tetrachloroethene	27.6		0.18	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.17	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.17	1.00	ug/L
179601-23-1	m/p-Xylenes	2.00	U	0.33	2.00	ug/L
95-47-6	o-Xylene	1.00	U	0.18	1.00	ug/L
100-42-5	Styrene	1.00	U	0.13	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.16	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.19	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.23	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.20	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.17	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.42	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.23	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.33	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.0		74 - 125	96%	SPK: 50
1868-53-7	Dibromofluoromethane	50.6		75 - 124	101%	SPK: 50
2037-26-5	Toluene-d8	48.8		86 - 113	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.9		83 - 123	108%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	251000	8.016			
540-36-3	1,4-Difluorobenzene	489000	8.904			
3114-55-4	Chlorobenzene-d5	495000	11.686			
3855-82-1	1,4-Dichlorobenzene-d4	220000	13.616			
TENTATIVE IDENTIFIED COMPOUNDS						
007446-09-5	Sulfur dioxide	23.0	JB		2.20	ug/L
000075-00-3	Ethyl Chloride	6.60	J		2.69	ug/L
109-99-9	Tetrahydrofuran	1.40	J		7.61	ug/L

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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/08/22
Project:	Andrews St. Site	Date Received:	09/12/22
Client Sample ID:	1036-MW-03A(17)	SDG No.:	N4647
Lab Sample ID:	N4647-05	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN074570.D	1		09/17/22 20:56	VN091722

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091722\
Data File : VN074570.D
Acq On : 17 Sep 2022 20:56
Operator : JC\MD
Sample : N4647-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
1036-MW-03A(17)

Quant Time: Sep 19 02:59:16 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 15 19:20:33 2022
Response via : Initial Calibration

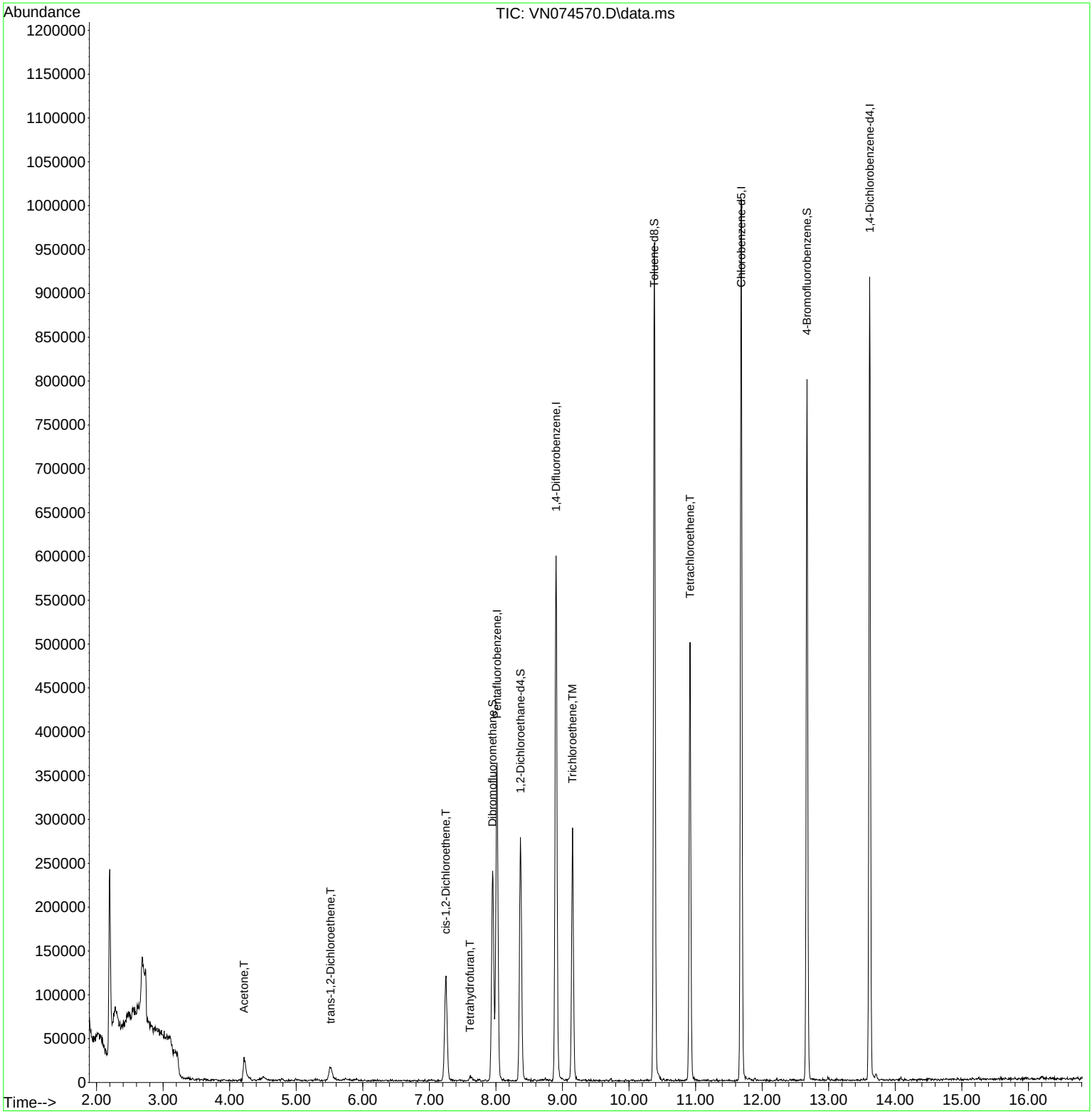
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.016	168	251130	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	488723	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	494619	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	220370	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	204691	48.038	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 96.080%			
35) Dibromofluoromethane	7.951	113	164401	50.639	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.280%			
50) Toluene-d8	10.380	98	612334	48.770	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.540%			
62) 4-Bromofluorobenzene	12.674	95	231595	53.857	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 107.720%			
Target Compounds						Qvalue
16) Acetone	4.216	43	45115	16.546	ug/l	97
21) trans-1,2-Dichloroethene	5.516	96	8802	2.831	ug/l #	73
27) cis-1,2-Dichloroethene	7.245	96	67516	14.519	ug/l	95
29) Tetrahydrofuran	7.610	42	4278	1.437	ug/l #	36
44) Trichloroethene	9.151	130	86101	22.393	ug/l	99
64) Tetrachloroethene	10.916	164	93532	27.555	ug/l	90

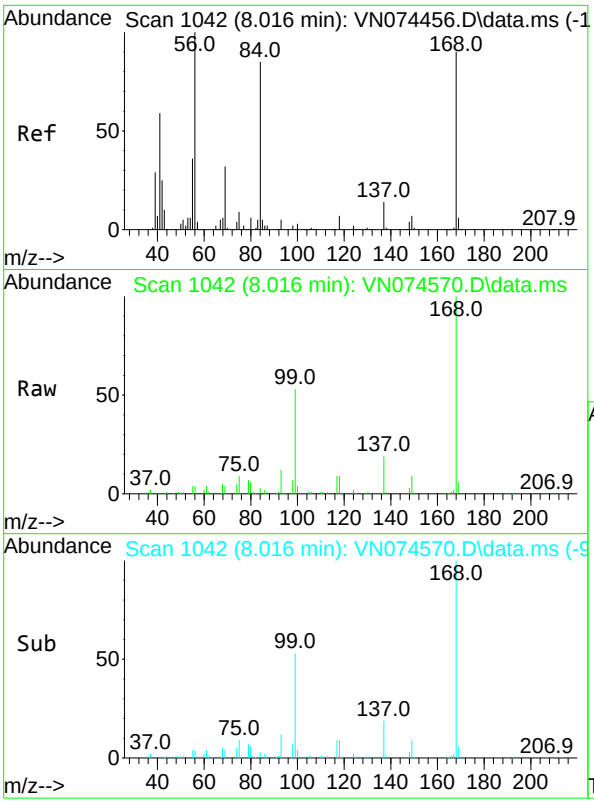
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091722\
Data File : VN074570.D
Acq On : 17 Sep 2022 20:56
Operator : JC\MD
Sample : N4647-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
1036-MW-03A(17)

Quant Time: Sep 19 02:59:16 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 15 19:20:33 2022
Response via : Initial Calibration



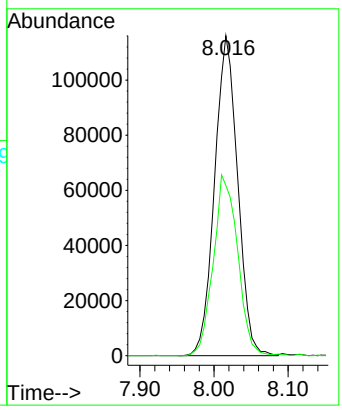


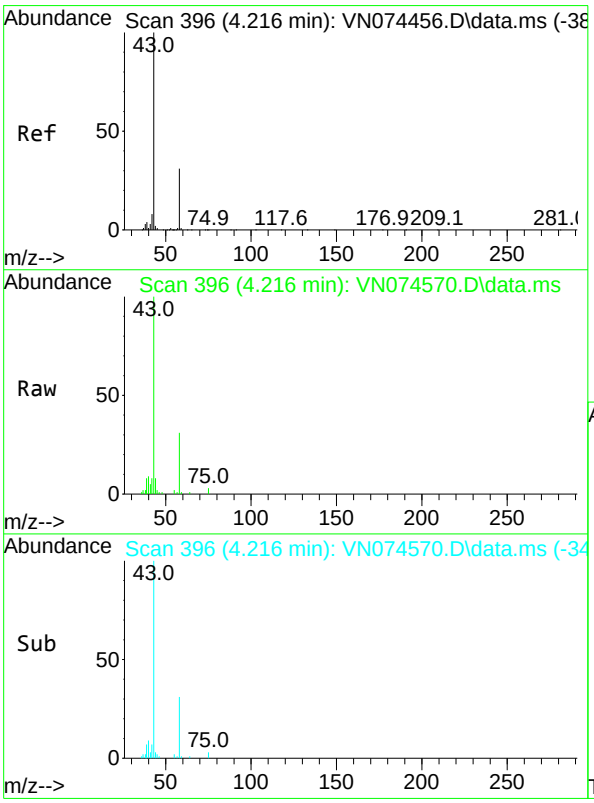
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074570.D
Acq: 17 Sep 2022 20:56

Instrument :
MSVOA_N
ClientSampleId :
1036-MW-03A(17)

Tgt Ion:168 Resp: 251130

Ion	Ratio	Lower	Upper
168	100		
99	53.2	42.3	63.5

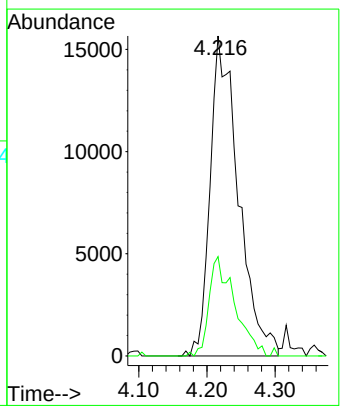


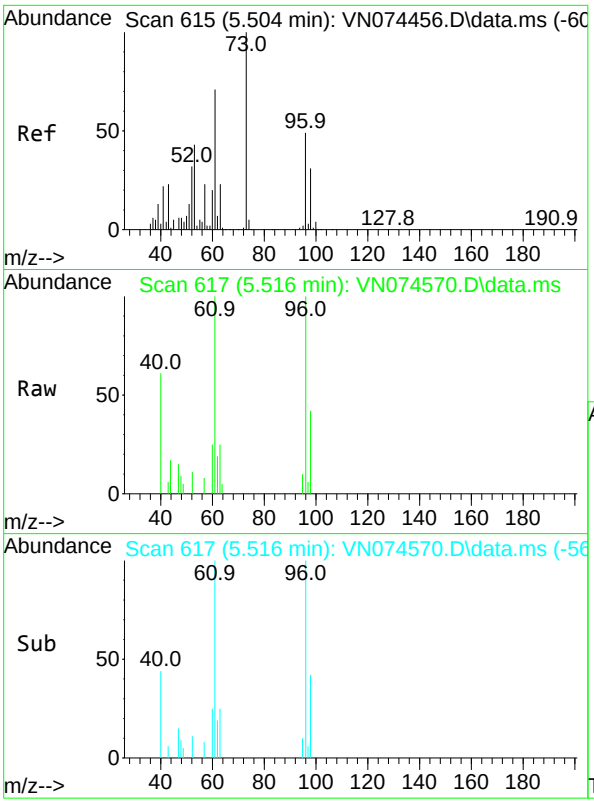


#16
Acetone
Concen: 16.546 ug/l
RT: 4.216 min Scan# 396
Delta R.T. 0.000 min
Lab File: VN074570.D
Acq: 17 Sep 2022 20:56

Tgt Ion: 43 Resp: 45115

Ion	Ratio	Lower	Upper
43	100		
58	31.0	26.0	39.0



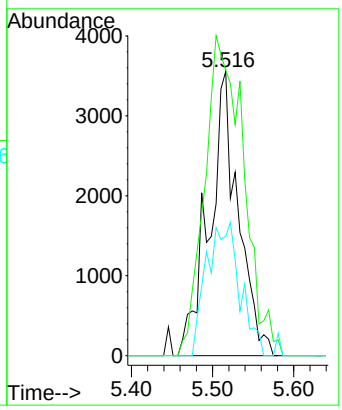


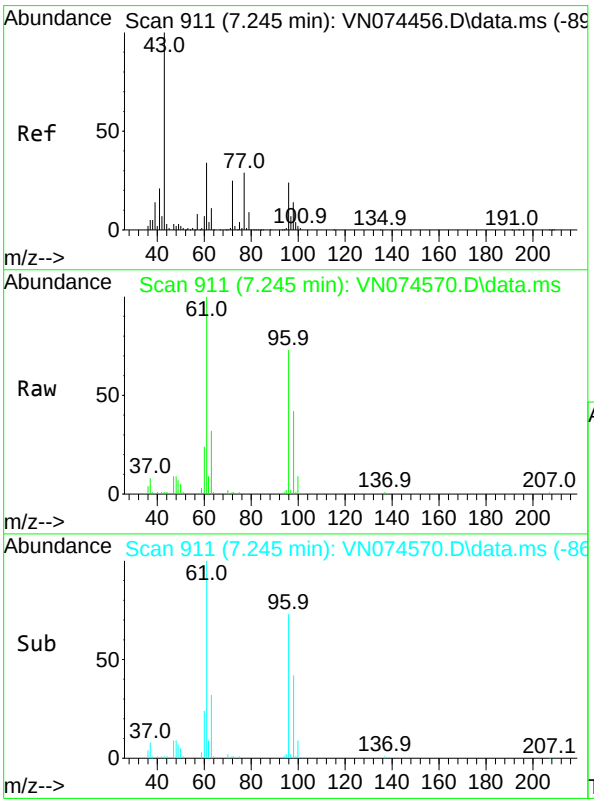
#21
trans-1,2-Dichloroethene
Concen: 2.831 ug/l
RT: 5.516 min Scan# 61
Delta R.T. 0.012 min
Lab File: VN074570.D
Acq: 17 Sep 2022 20:56

Instrument :
MSVOA_N
ClientSampleId :
1036-MW-03A(17)

Tgt Ion: 96 Resp: 8802

Ion	Ratio	Lower	Upper
96	100		
61	100.4	105.8	158.8#
98	42.0	50.3	75.5#

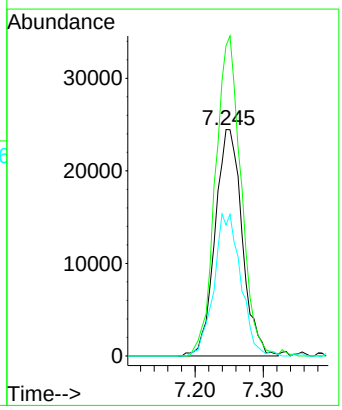


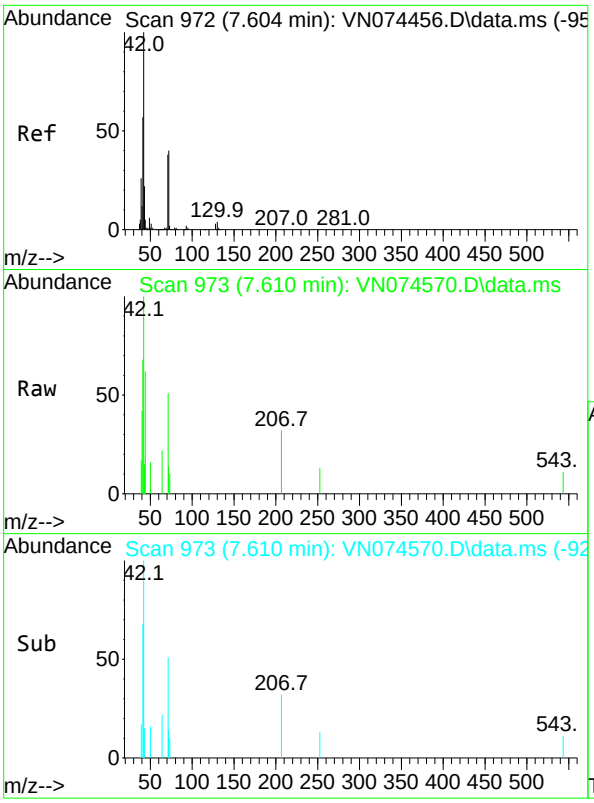


#27
cis-1,2-Dichloroethene
Concen: 14.519 ug/l
RT: 7.245 min Scan# 911
Delta R.T. 0.000 min
Lab File: VN074570.D
Acq: 17 Sep 2022 20:56

Tgt Ion: 96 Resp: 67516

Ion	Ratio	Lower	Upper
96	100		
61	133.6	0.0	280.6
98	61.8	0.0	128.4



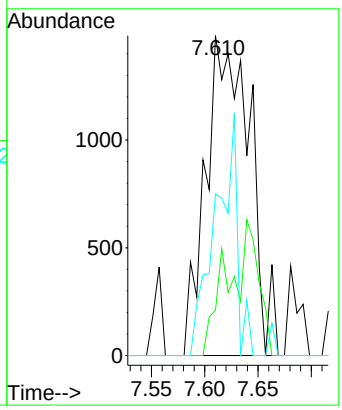


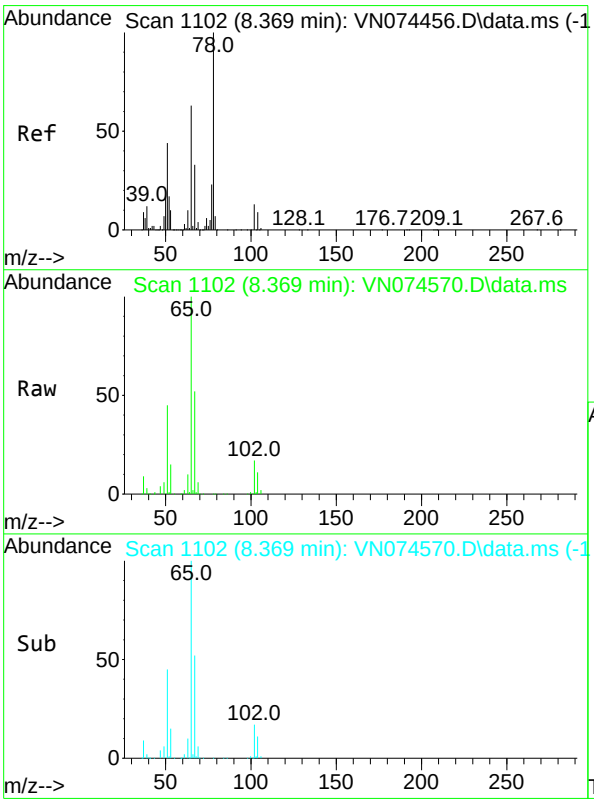
#29
Tetrahydrofuran
Concen: 1.437 ug/l
RT: 7.610 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN074570.D
Acq: 17 Sep 2022 20:56

Instrument :
MSVOA_N
ClientSampleId :
1036-MW-03A(17)

Tgt Ion: 42 Resp: 4278

Ion	Ratio	Lower	Upper
42	100		
72	9.7	39.7	59.5#
71	0.0	36.6	55.0#

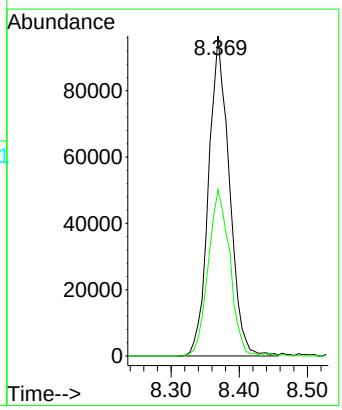


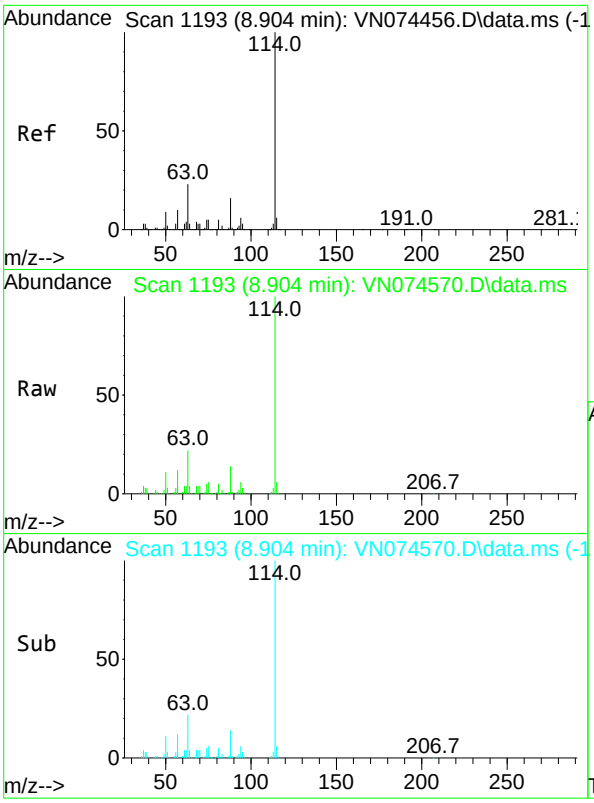


#33
1,2-Dichloroethane-d4
Concen: 48.038 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VN074570.D
Acq: 17 Sep 2022 20:56

Tgt Ion: 65 Resp: 204691

Ion	Ratio	Lower	Upper
65	100		
67	54.0	0.0	104.8



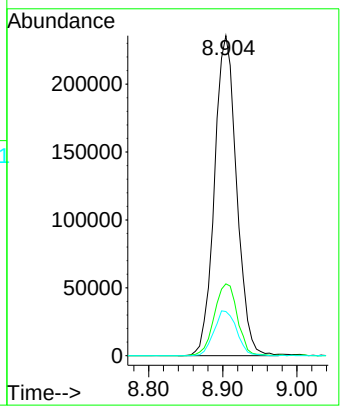


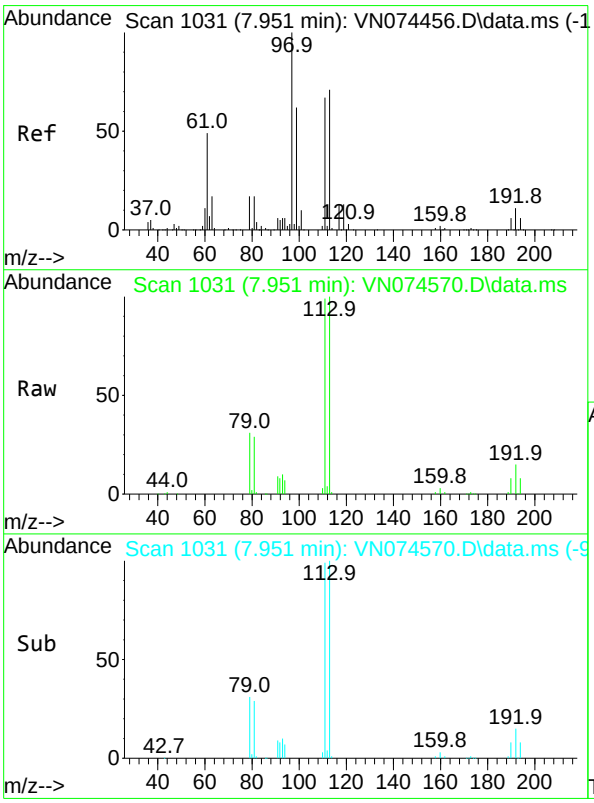
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN074570.D
Acq: 17 Sep 2022 20:56

Instrument :
MSVOA_N
ClientSampleId :
1036-MW-03A(17)

Tgt Ion:114 Resp: 488723

Ion	Ratio	Lower	Upper
114	100		
63	22.5	0.0	40.0
88	13.8	0.0	32.6

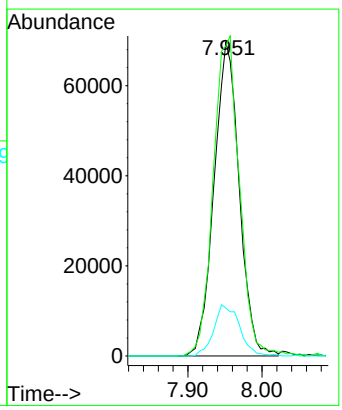


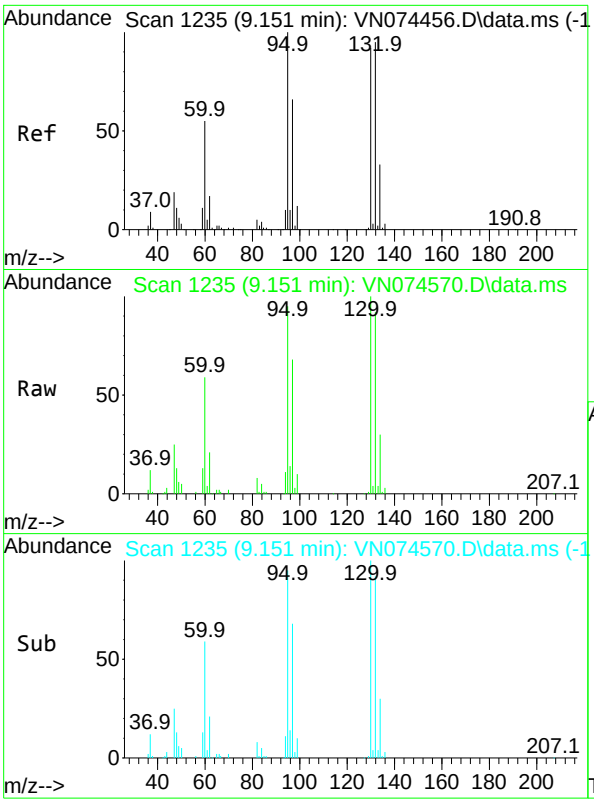


#35
Dibromofluoromethane
Concen: 50.639 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VN074570.D
Acq: 17 Sep 2022 20:56

Tgt Ion:113 Resp: 164401

Ion	Ratio	Lower	Upper
113	100		
111	106.1	81.4	122.0
192	16.7	17.0	25.6#



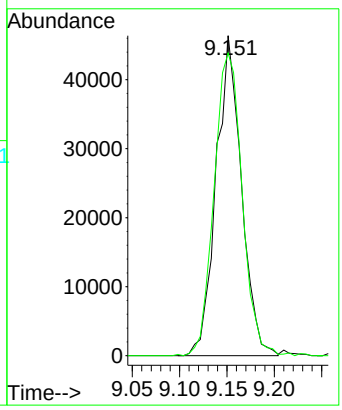


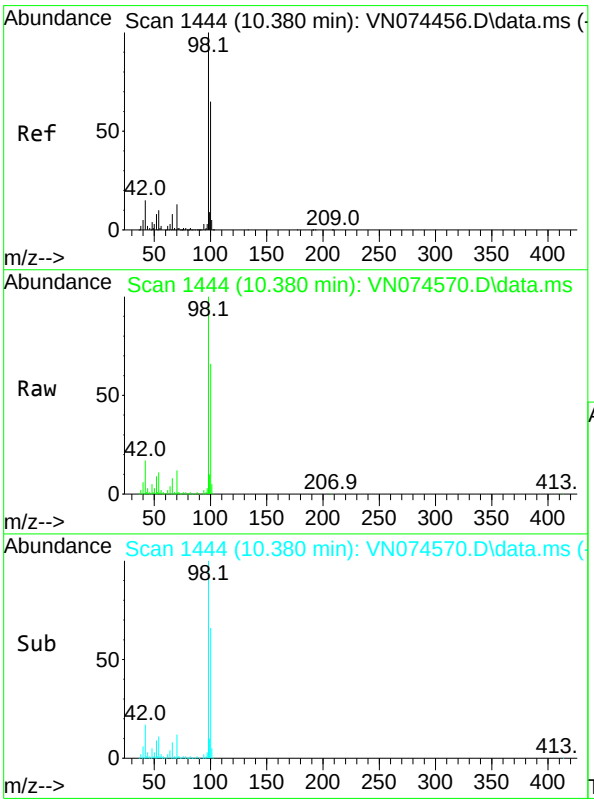
#44
Trichloroethene
Concen: 22.393 ug/l
RT: 9.151 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074570.D
Acq: 17 Sep 2022 20:56

Instrument :
MSVOA_N
ClientSampleId :
1036-MW-03A(17)

Tgt Ion:130 Resp: 86101

Ion	Ratio	Lower	Upper
130	100		
95	94.2	0.0	186.8

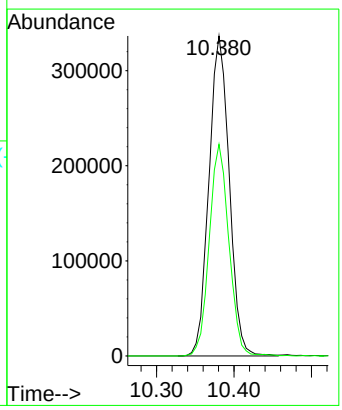


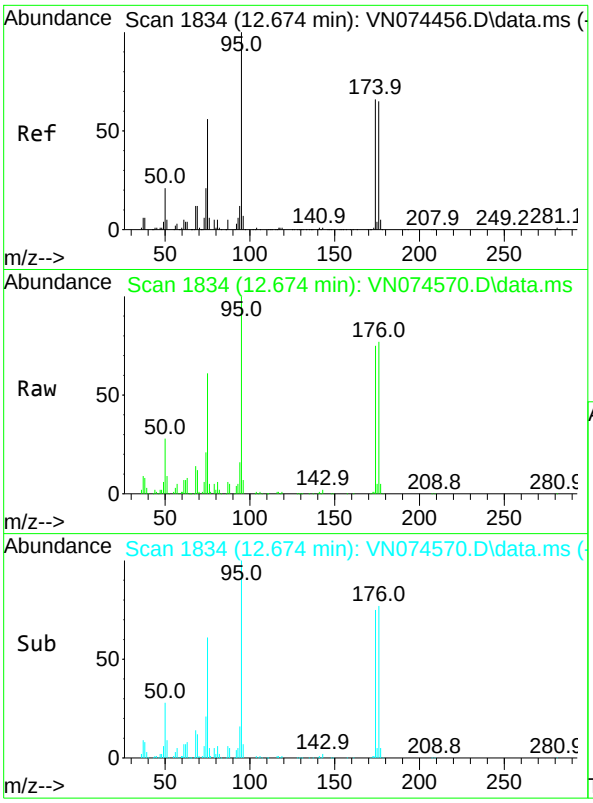


#50
Toluene-d8
Concen: 48.770 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074570.D
Acq: 17 Sep 2022 20:56

Tgt Ion: 98 Resp: 612334

Ion	Ratio	Lower	Upper
98	100		
100	64.0	52.6	78.8



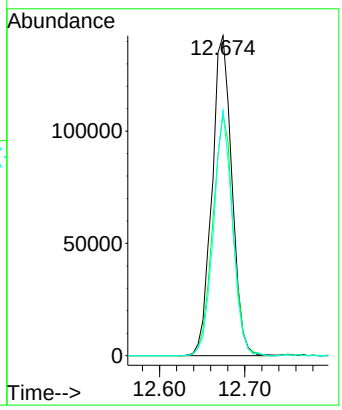


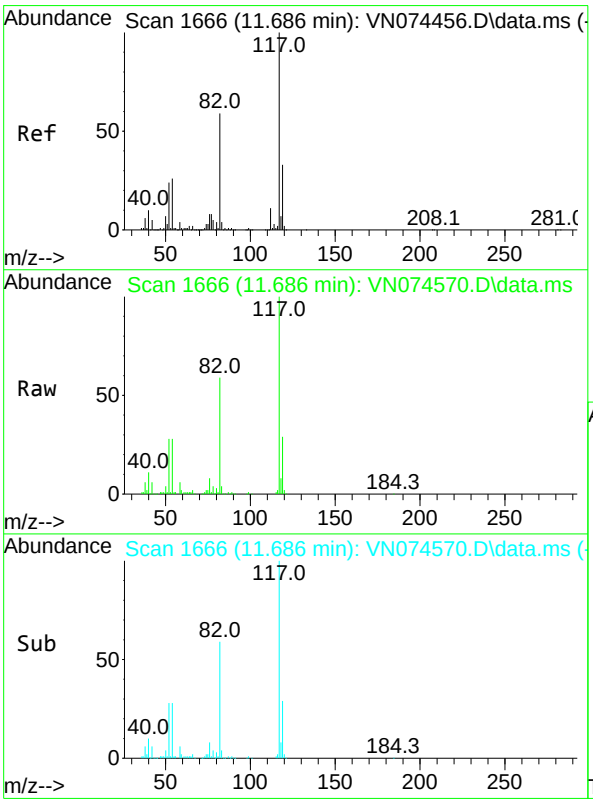
#62
4-Bromofluorobenzene
Concen: 53.857 ug/l
RT: 12.674 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074570.D
Acq: 17 Sep 2022 20:56

Instrument :
MSVOA_N
ClientSampleId :
1036-MW-03A(17)

Tgt Ion: 95 Resp: 231595

Ion	Ratio	Lower	Upper
95	100		
174	76.5	0.0	167.6
176	72.6	0.0	163.4

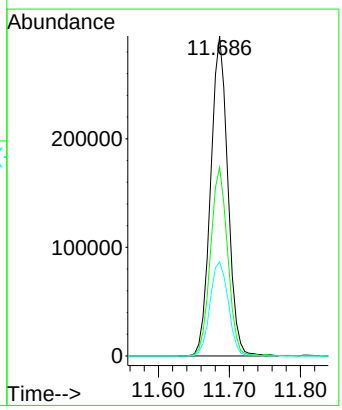


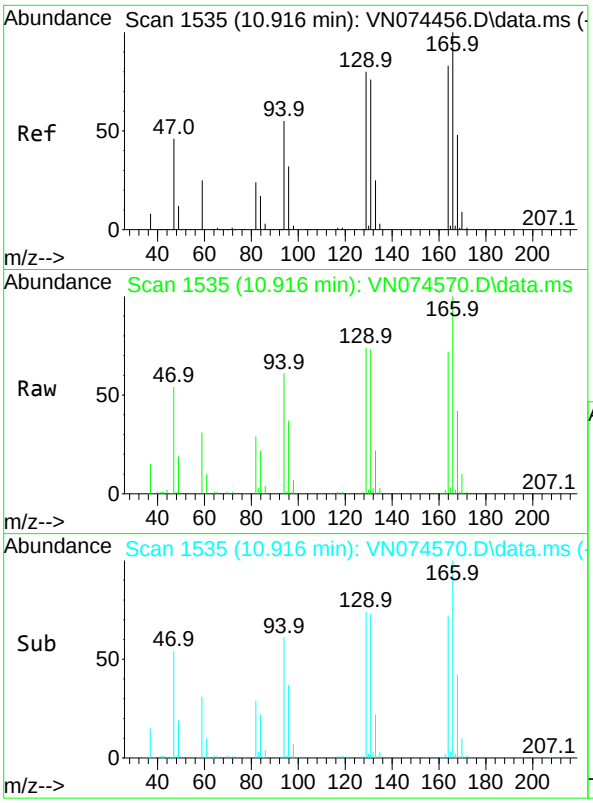


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN074570.D
Acq: 17 Sep 2022 20:56

Tgt Ion:117 Resp: 494619

Ion	Ratio	Lower	Upper
117	100		
82	58.9	44.2	66.2
119	29.4	25.4	38.0



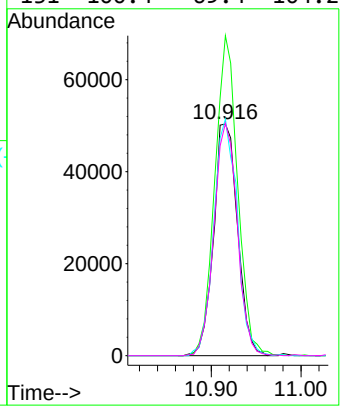


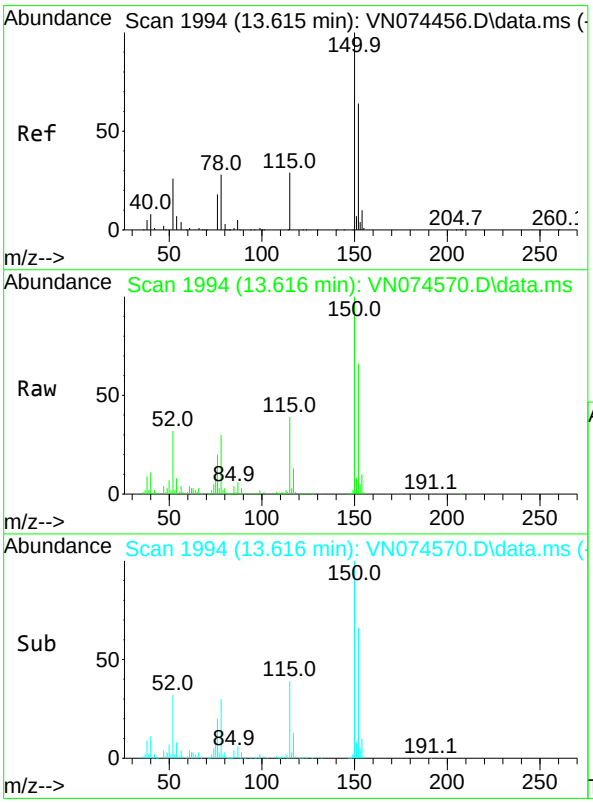
#64
Tetrachloroethene
Concen: 27.555 ug/l
RT: 10.916 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074570.D
Acq: 17 Sep 2022 20:56

Instrument :
MSVOA_N
ClientSampleId :
1036-MW-03A(17)

Tgt Ion:164 Resp: 93532

Ion	Ratio	Lower	Upper
164	100		
166	138.1	104.2	156.2
129	102.1	73.9	110.9
131	100.4	69.4	104.2

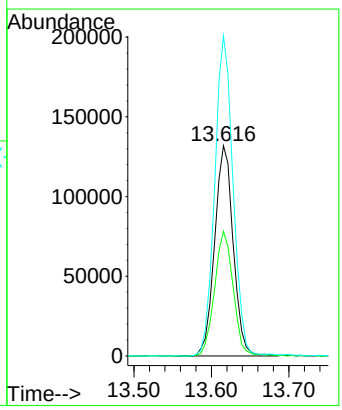




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1994
Delta R.T. 0.001 min
Lab File: VN074570.D
Acq: 17 Sep 2022 20:56

Tgt Ion:152 Resp: 220370

Ion	Ratio	Lower	Upper
152	100		
115	59.3	28.9	86.7
150	150.5	0.0	356.2



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091722\
Data File : VN074570.D
Acq On : 17 Sep 2022 20:56
Operator : JC\MD
Sample : N4647-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
1036-MW-03A(17)

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Title : SW846 8260

Signal : TIC: VN074570.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.199	47	53	59	rBV	211338	382189	21.81%	3.205%
2	2.687	132	136	142	rBV3	43783	108580	6.20%	0.911%
3	3.216	224	226	237	rVB	30230	49951	2.85%	0.419%
4	4.216	389	396	397	rBV	27747	37139	2.12%	0.311%
5	5.504	608	615	624	rBV6	14692	49163	2.81%	0.412%
6	7.251	900	912	921	rBV2	119667	319329	18.23%	2.678%
7	7.951	1020	1031	1036	rBV2	239183	566861	32.36%	4.754%
8	8.016	1036	1042	1055	rVB2	362356	829406	47.34%	6.956%
9	8.369	1092	1102	1114	rBV	277680	633840	36.18%	5.316%
10	8.904	1184	1193	1205	rBV	598819	1243140	70.96%	10.426%
11	9.151	1224	1235	1244	rBV	287277	551791	31.50%	4.628%
12	10.380	1436	1444	1464	rVB	956212	1751965	100.00%	14.693%
13	10.916	1527	1535	1545	rBV2	499314	883085	50.41%	7.406%
14	11.686	1655	1666	1676	rBV	1006107	1698303	96.94%	14.243%
15	12.674	1826	1834	1844	rBV	799517	1296837	74.02%	10.876%
16	13.616	1987	1994	2007	rBV	915313	1522349	86.89%	12.767%

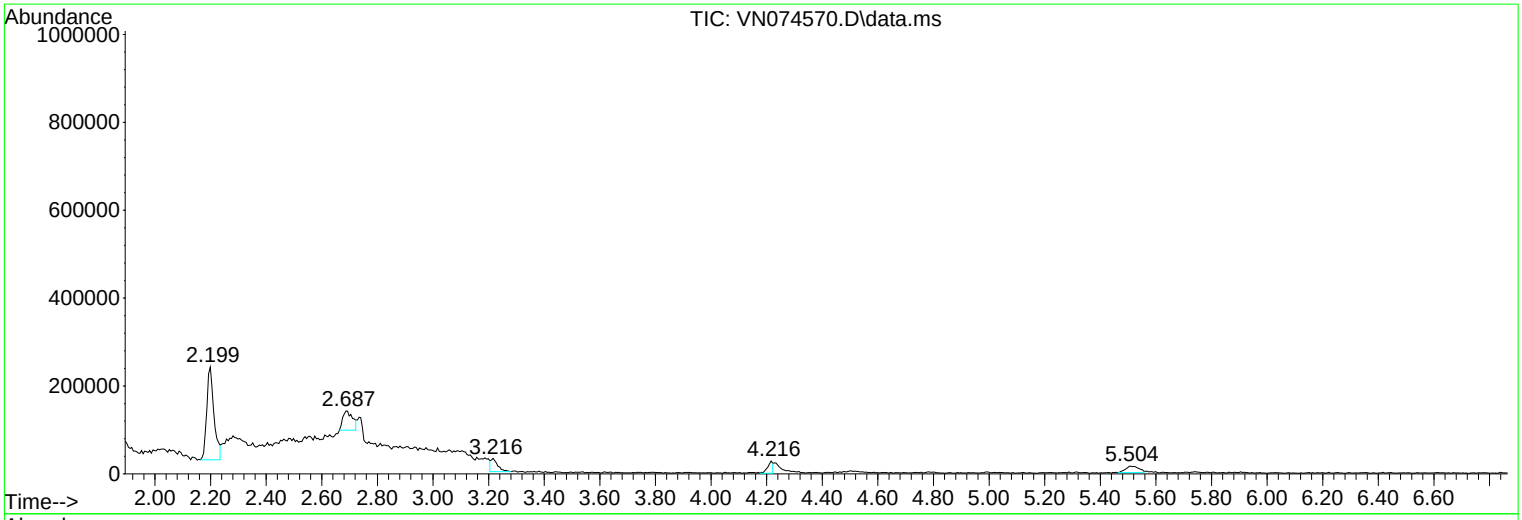
Sum of corrected areas: 11923928

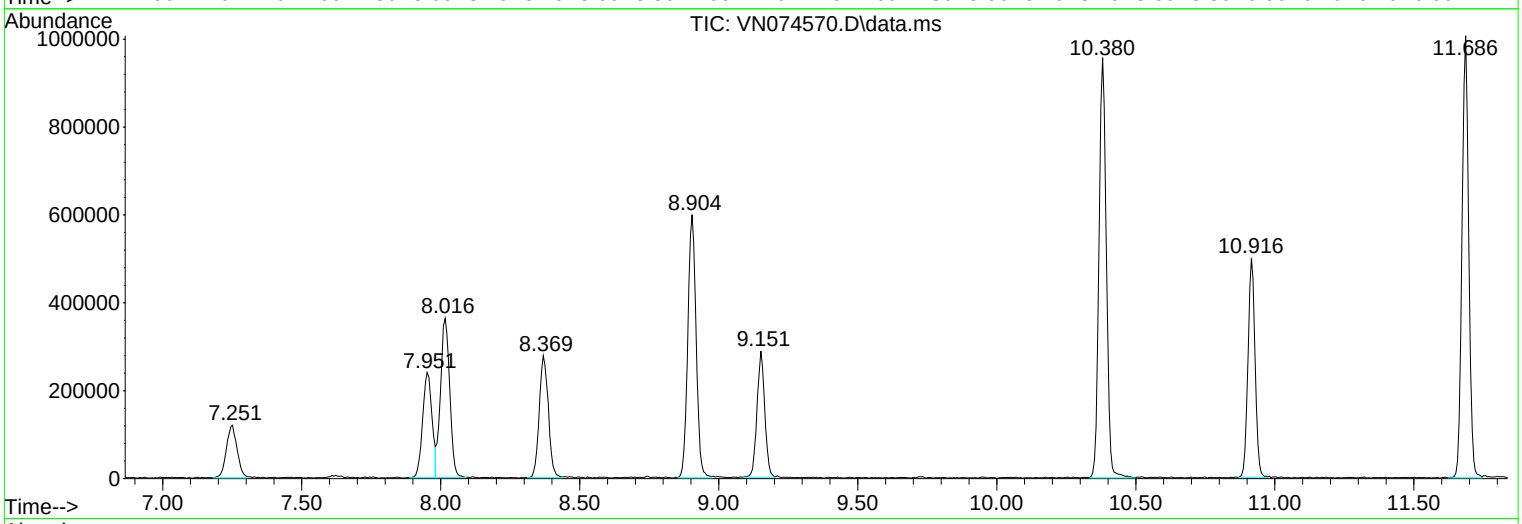
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091722\
Data File : VN074570.D
Acq On : 17 Sep 2022 20:56
Operator : JC\MD
Sample : N4647-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 22 Sample Multiplier: 1

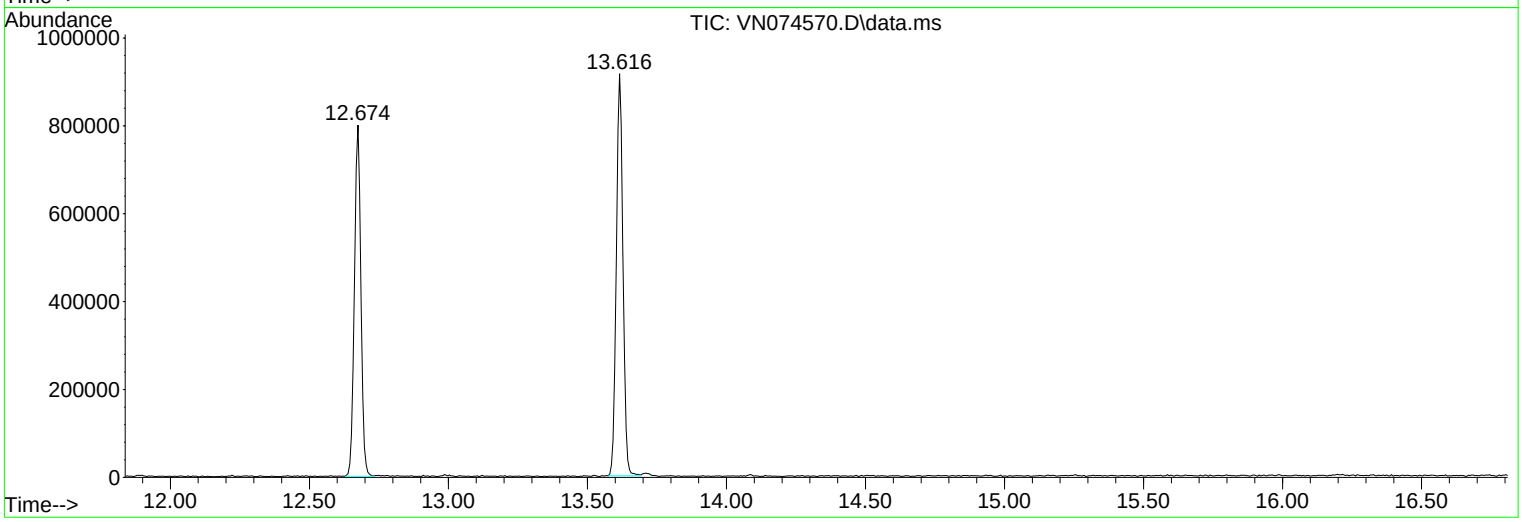
Instrument :
MSVOA_N
ClientSampleId :
1036-MW-03A(17)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091722\
Data File : VN074570.D
Acq On : 17 Sep 2022 20:56
Operator : JC\MD
Sample : N4647-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
1036-MW-03A(17)

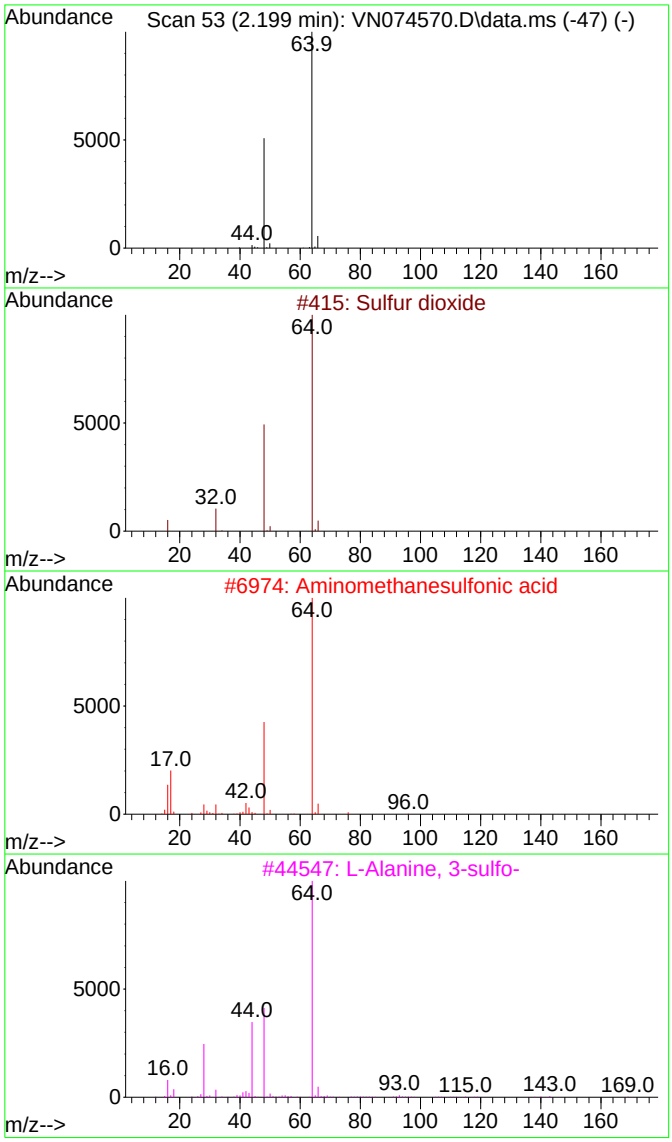
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260

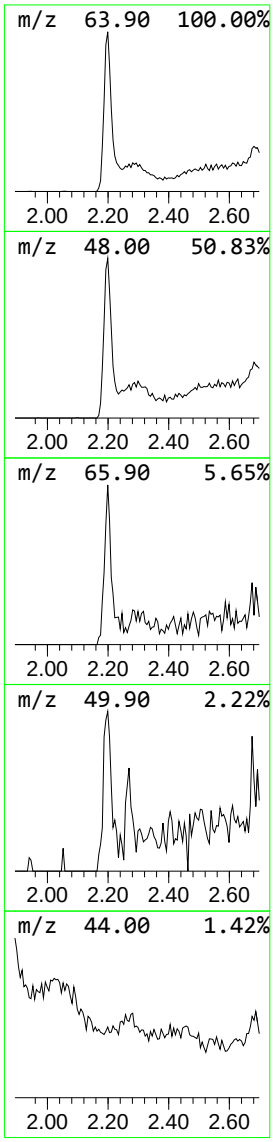
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Sulfur dioxide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.199	23.04 ug/l	382189	Pentafluorobenzene	8.016

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfur dioxide	64	O2S	007446-09-5	83
2	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	74
3	L-Alanine, 3-sulfo-	169	C3H7NO5S	000498-40-8	9
4	Ethene, 1,1-difluoro-	64	C2H2F2	000075-38-7	4
5	Ethyl Chloride	64	C2H5Cl	000075-00-3	4





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091722\
Data File : VN074570.D
Acq On : 17 Sep 2022 20:56
Operator : JC\MD
Sample : N4647-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
1036-MW-03A(17)

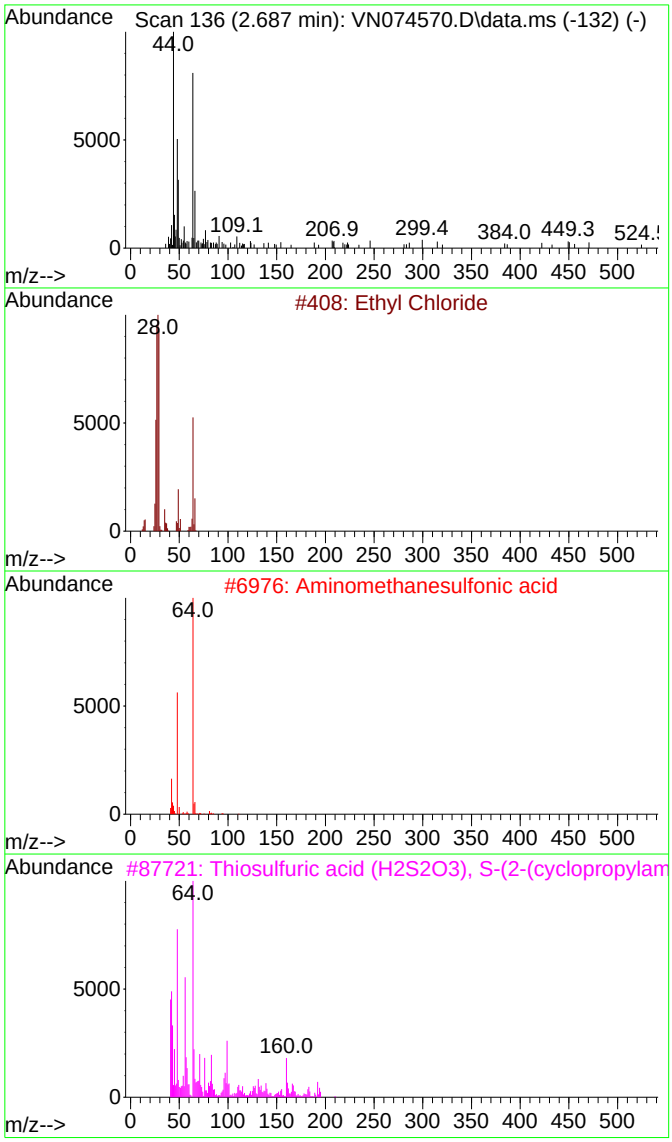
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260

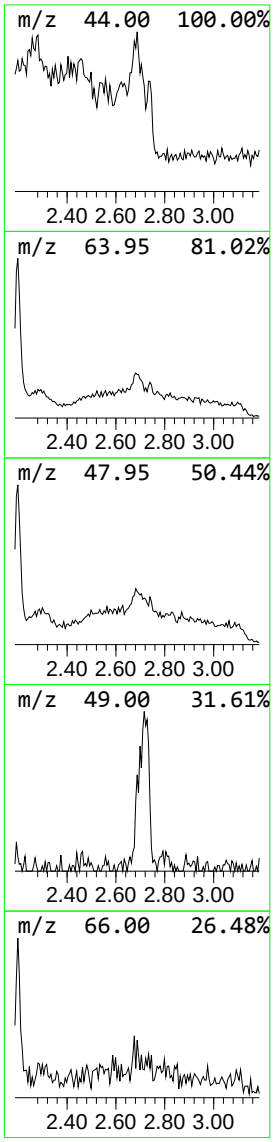
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Ethyl Chloride Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.687	6.55 ug/l	108580	Pentafluorobenzene	8.016

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethyl Chloride	64	C2H5Cl	000075-00-3	72
2	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	47
3	Thiosulfuric acid (H2S2O3), S-(2...	210	C5H10N2O3S2	040283-52-1	38
4	Thiosulfuric acid (H2S2O3), S-(2...	320	C11H16N2O3S3	040284-00-2	28
5	L-Alanine, 3-sulfo-	169	C3H7NO5S	000498-40-8	28





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Data File : VN074570.D
Acq On : 17 Sep 2022 20:56
Operator : JC\MD
Sample : N4647-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
1036-MW-03A(17)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Sulfur dioxide	2.199	23.0	ug/l	382189	1	8.016	829406	50.0
Ethyl Chloride	2.687	6.5	ug/l	108580	1	8.016	829406	50.0

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/08/22
Project:	Andrews St. Site	Date Received:	09/12/22
Client Sample ID:	1037-MW-11(15)	SDG No.:	N4647
Lab Sample ID:	N4647-06	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN074571.D	1		09/17/22 21:21	VN091722

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.17	1.00	ug/L
74-87-3	Chloromethane	1.00	UQ	0.20	1.00	ug/L
75-01-4	Vinyl Chloride	2.20	Q	0.22	1.00	ug/L
74-83-9	Bromomethane	5.00	UQ	1.60	5.00	ug/L
75-00-3	Chloroethane	1.00	UQ	0.26	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.20	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.17	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.23	1.00	ug/L
67-64-1	Acetone	14.5		1.20	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.26	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.18	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.53	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00		0.20	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.20	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.20	5.00	ug/L
78-93-3	2-Butanone	5.00	U	0.82	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.18	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	41.8		0.17	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.19	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.18	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.18	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.13	1.00	ug/L
71-43-2	Benzene	1.00	U	0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.18	1.00	ug/L
79-01-6	Trichloroethene	140	E	0.27	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.17	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.18	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.87	5.00	ug/L
108-88-3	Toluene	1.00	U	0.17	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.14	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.16	1.00	ug/L

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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/08/22
Project:	Andrews St. Site	Date Received:	09/12/22
Client Sample ID:	1037-MW-11(15)	SDG No.:	N4647
Lab Sample ID:	N4647-06	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN074571.D	1		09/17/22 21:21	VN091722

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1.00	U	0.19	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	0.76	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.14	1.00	ug/L
127-18-4	Tetrachloroethene	410	E	0.18	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.17	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.17	1.00	ug/L
179601-23-1	m/p-Xylenes	2.00	U	0.33	2.00	ug/L
95-47-6	o-Xylene	1.00	U	0.18	1.00	ug/L
100-42-5	Styrene	1.00	U	0.13	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.16	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.19	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.23	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.20	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.17	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.42	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.23	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.33	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.8		74 - 125	96%	SPK: 50
1868-53-7	Dibromofluoromethane	49.7		75 - 124	99%	SPK: 50
2037-26-5	Toluene-d8	47.2		86 - 113	94%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.1		83 - 123	108%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	256000	8.016			
540-36-3	1,4-Difluorobenzene	512000	8.904			
3114-55-4	Chlorobenzene-d5	520000	11.686			
3855-82-1	1,4-Dichlorobenzene-d4	228000	13.616			
TENTATIVE IDENTIFIED COMPOUNDS						
007446-09-5	Sulfur dioxide	21.3	JB		2.20	ug/L
109-99-9	Tetrahydrofuran	1.20	J		7.63	ug/L

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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/08/22
Project:	Andrews St. Site	Date Received:	09/12/22
Client Sample ID:	1037-MW-11(15)	SDG No.:	N4647
Lab Sample ID:	N4647-06	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN074571.D	1		09/17/22 21:21	VN091722

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091722\
Data File : VN074571.D
Acq On : 17 Sep 2022 21:21
Operator : JC\MD
Sample : N4647-06
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
1037-MW-11(15)

Manual Integrations APPROVED

Reviewed By :John Carlone 09/19/2022
Supervised By :Mahesh Dadoda 09/19/2022

Quant Time: Sep 19 02:59:26 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 15 19:20:33 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.016	168	255910	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	511611	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	520327	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	228103	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.375	65	207362	47.756	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	95.520%		
35) Dibromofluoromethane	7.957	113	168888	49.694	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.380%		
50) Toluene-d8	10.380	98	620830	47.235	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	94.480%		
62) 4-Bromofluorobenzene	12.674	95	243724	54.142	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	108.280%		
Target Compounds						Qvalue
4) Vinyl Chloride	2.404	62	10821	2.158	ug/l #	64
16) Acetone	4.222	43	40277	14.496	ug/l	98
21) trans-1,2-Dichloroethene	5.493	96	2295m	1.044	ug/l	
27) cis-1,2-Dichloroethene	7.245	96	197954	41.775	ug/l	97
29) Tetrahydrofuran	7.628	42	3774	1.244	ug/l #	73
44) Trichloroethene	9.151	130	566580	140.761	ug/l	86
64) Tetrachloroethene	10.916	164	1471181	411.996	ug/l	93

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

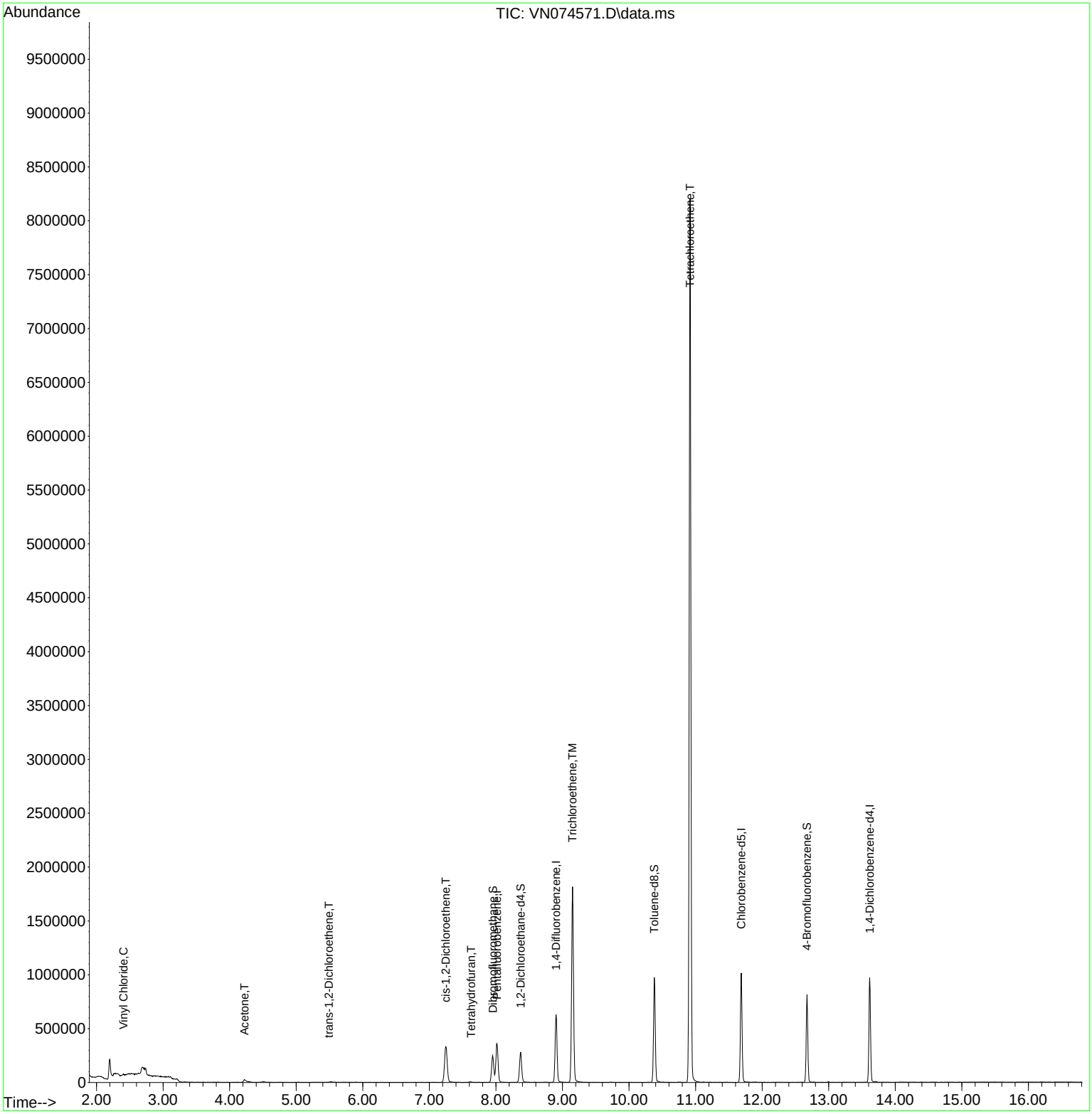
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091722\
Data File : VN074571.D
Acq On : 17 Sep 2022 21:21
Operator : JC\MD
Sample : N4647-06
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 23 Sample Multiplier: 1

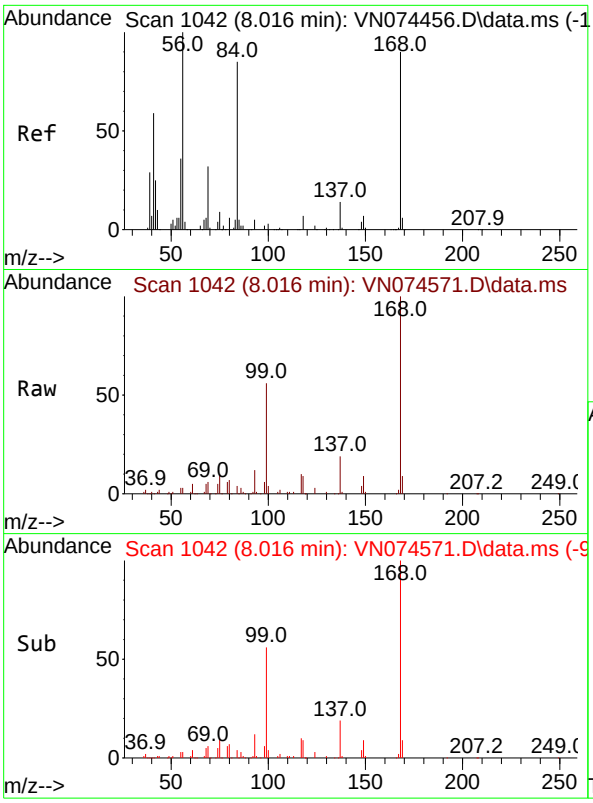
Quant Time: Sep 19 02:59:26 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 15 19:20:33 2022
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
1037-MW-11(15)

Manual Integrations APPROVED

Reviewed By :John Carlone 09/19/2022
Supervised By :Mahesh Dadoda 09/19/2022

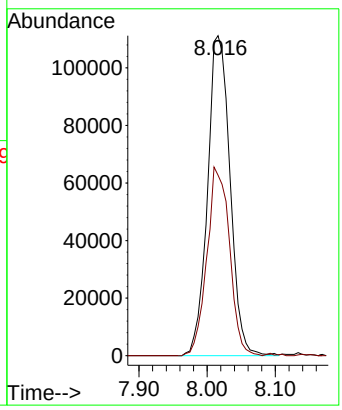




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074571.D
Acq: 17 Sep 2022 21:21

Tgt Ion:168 Resp: 25591

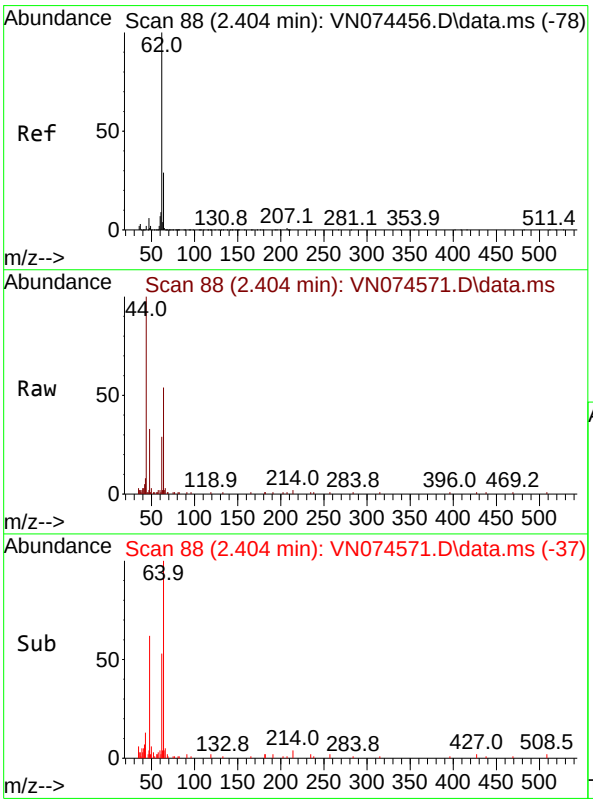
Ion	Ratio	Lower	Upper
168	100		
99	56.4	42.3	63.5



Instrument :
MSVOA_N
ClientSampleId :
1037-MW-11(15)

Manual Integrations
APPROVED

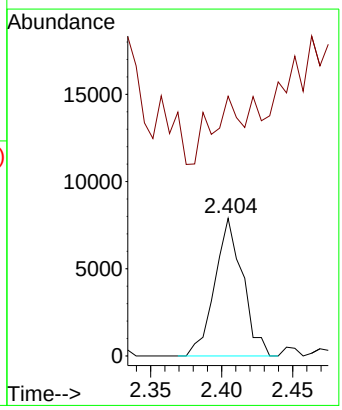
Reviewed By :John Carlone 09/19/2022
Supervised By :Mahesh Dadoda 09/19/2022

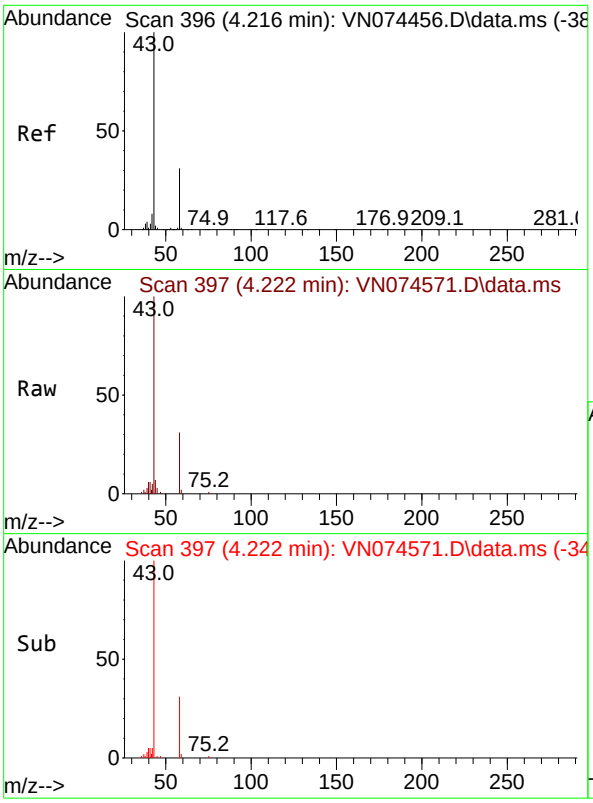


#4
Vinyl Chloride
Concen: 2.158 ug/l
RT: 2.404 min Scan# 88
Delta R.T. 0.000 min
Lab File: VN074571.D
Acq: 17 Sep 2022 21:21

Tgt Ion: 62 Resp: 10821

Ion	Ratio	Lower	Upper
62	100		
64	11.5	25.0	37.4#





#16
Acetone
Concen: 14.496 ug/l
RT: 4.222 min Scan# 3
Delta R.T. 0.006 min
Lab File: VN074571.D
Acq: 17 Sep 2022 21:21

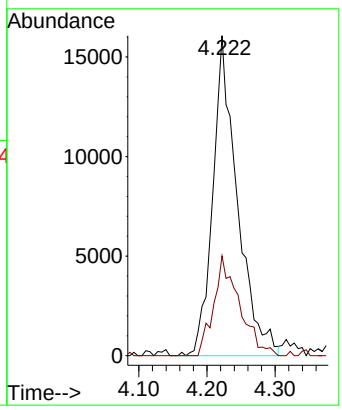
Tgt Ion: 43 Resp: 4027

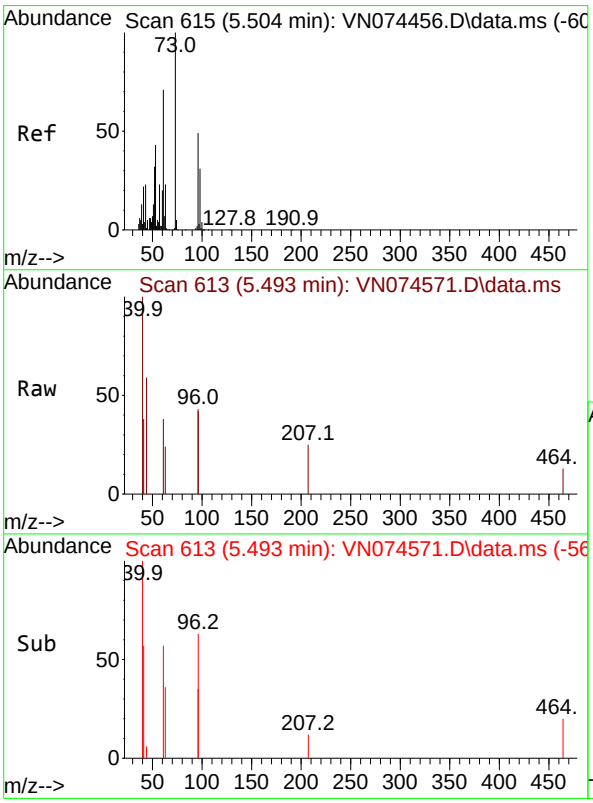
Ion	Ratio	Lower	Upper
43	100		
58	31.2	26.0	39.0

Instrument :
MSVOA_N
ClientSampleId :
1037-MW-11(15)

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/19/2022
Supervised By :Mahesh Dadoda 09/19/2022

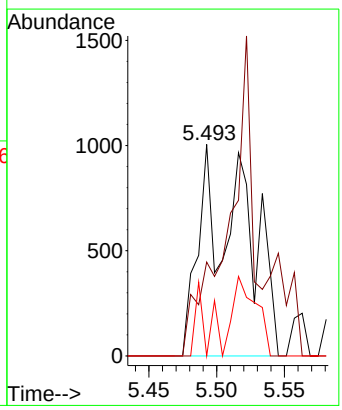


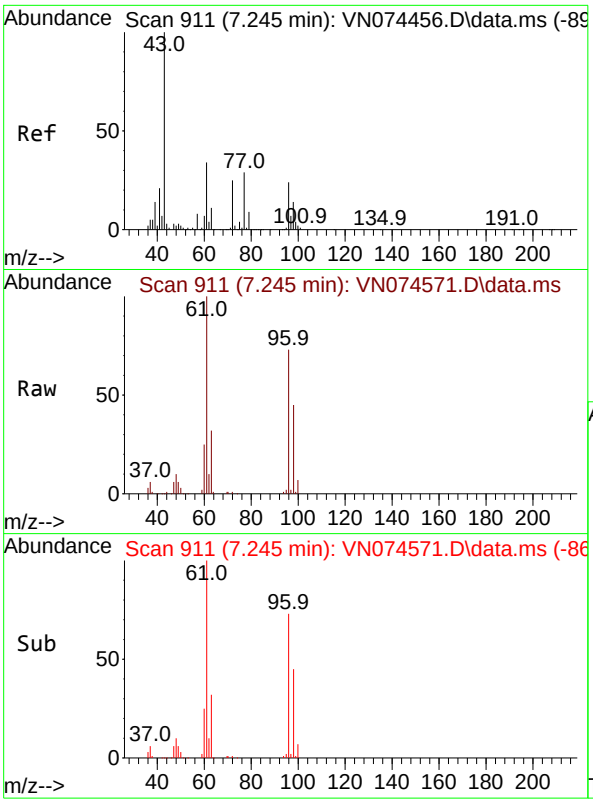


#21
trans-1,2-Dichloroethene
Concen: 1.044 ug/l m
RT: 5.493 min Scan# 613
Delta R.T. -0.011 min
Lab File: VN074571.D
Acq: 17 Sep 2022 21:21

Tgt Ion: 96 Resp: 2295

Ion	Ratio	Lower	Upper
96	100		
61	87.5	105.8	158.8#
98	0.0	50.3	75.5#

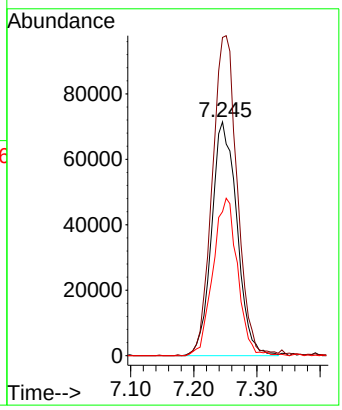




#27
cis-1,2-Dichloroethene
Concen: 41.775 ug/l
RT: 7.245 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN074571.D
Acq: 17 Sep 2022 21:21

Tgt Ion: 96 Resp: 19795

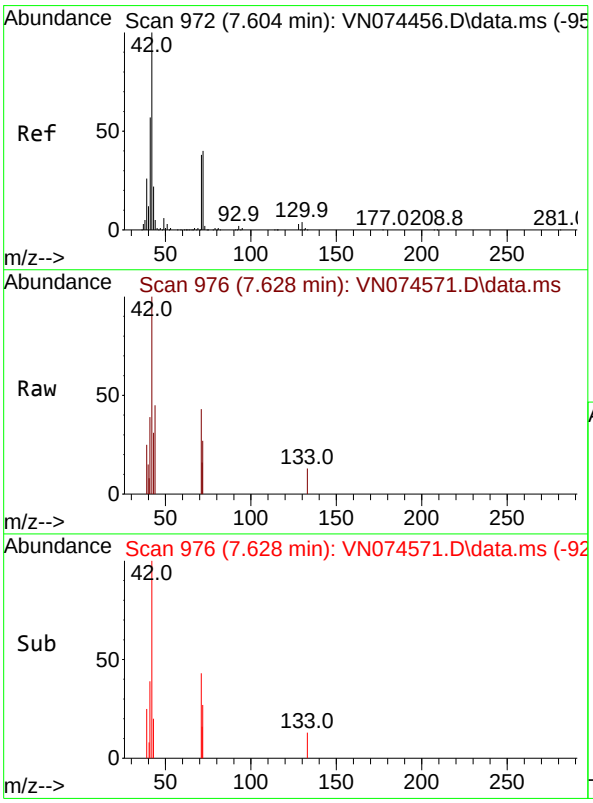
Ion	Ratio	Lower	Upper
96	100		
61	135.4	0.0	280.6
98	65.8	0.0	128.4



Instrument :
MSVOA_N
ClientSampleId :
1037-MW-11(15)

Manual Integrations
APPROVED

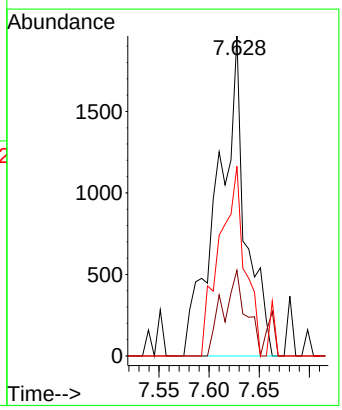
Reviewed By :John Carlone 09/19/2022
Supervised By :Mahesh Dadoda 09/19/2022

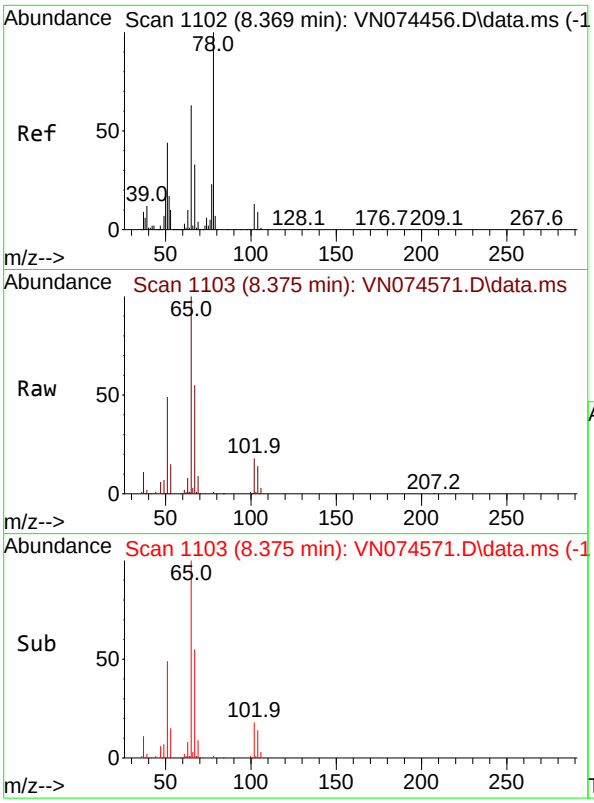


#29
Tetrahydrofuran
Concen: 1.244 ug/l
RT: 7.628 min Scan# 976
Delta R.T. 0.024 min
Lab File: VN074571.D
Acq: 17 Sep 2022 21:21

Tgt Ion: 42 Resp: 3774

Ion	Ratio	Lower	Upper
42	100		
72	22.4	39.7	59.5#
71	54.4	36.6	55.0

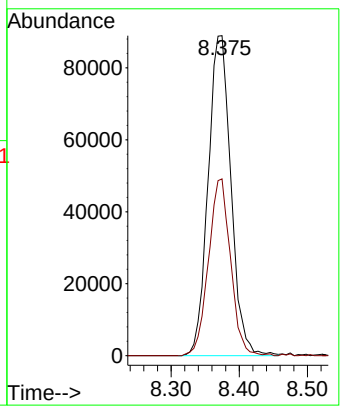




#33
1,2-Dichloroethane-d4
Concen: 47.756 ug/l
RT: 8.375 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN074571.D
Acq: 17 Sep 2022 21:21

Tgt Ion: 65 Resp: 20736

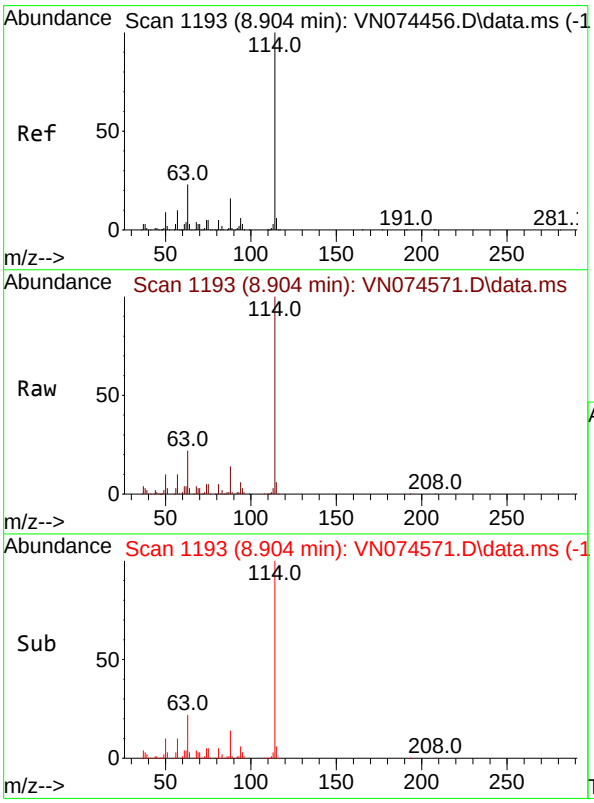
Ion	Ratio	Lower	Upper
65	100		
67	53.4	0.0	104.8



Instrument :
MSVOA_N
ClientSampleId :
1037-MW-11(15)

Manual Integrations
APPROVED

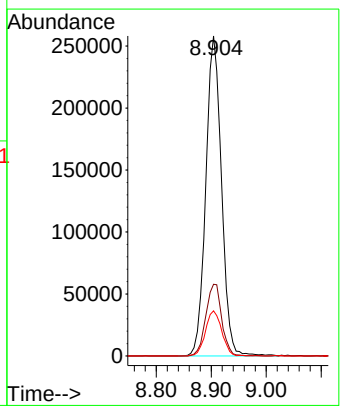
Reviewed By :John Carlone 09/19/2022
Supervised By :Mahesh Dadoda 09/19/2022

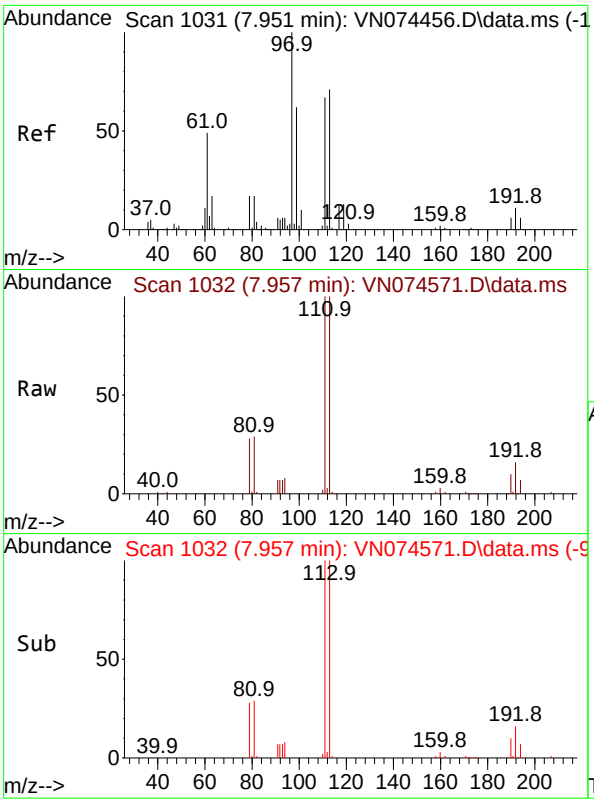


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VN074571.D
Acq: 17 Sep 2022 21:21

Tgt Ion:114 Resp: 511611

Ion	Ratio	Lower	Upper
114	100		
63	22.4	0.0	40.0
88	14.1	0.0	32.6

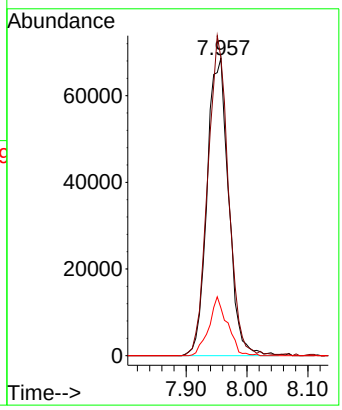




#35
Dibromofluoromethane
Concen: 49.694 ug/l
RT: 7.957 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN074571.D
Acq: 17 Sep 2022 21:21

Tgt Ion:113 Resp: 16888

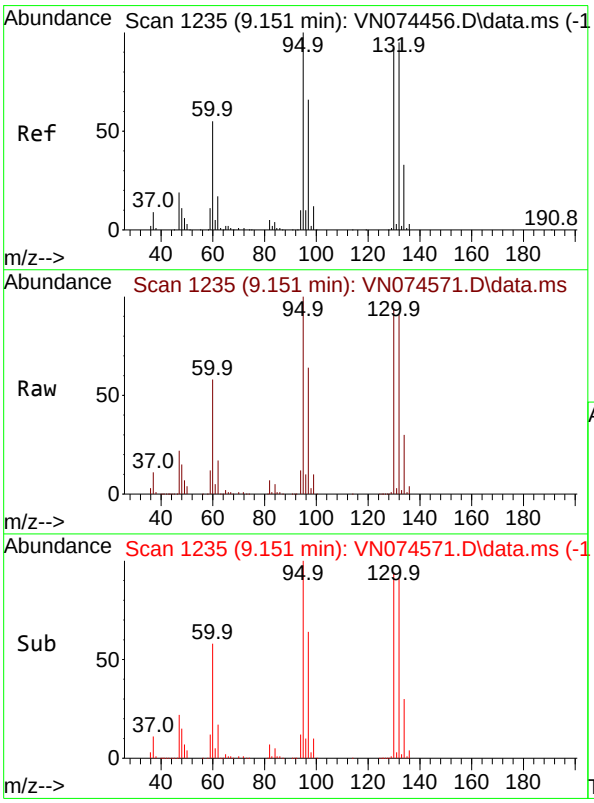
Ion	Ratio	Lower	Upper
113	100		
111	103.6	81.4	122.0
192	17.1	17.0	25.6



Instrument :
MSVOA_N
ClientSampleId :
1037-MW-11(15)

Manual Integrations
APPROVED

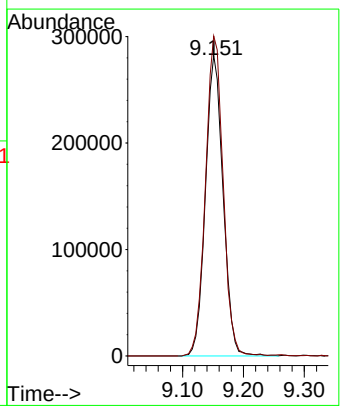
Reviewed By :John Carlone 09/19/2022
Supervised By :Mahesh Dadoda 09/19/2022

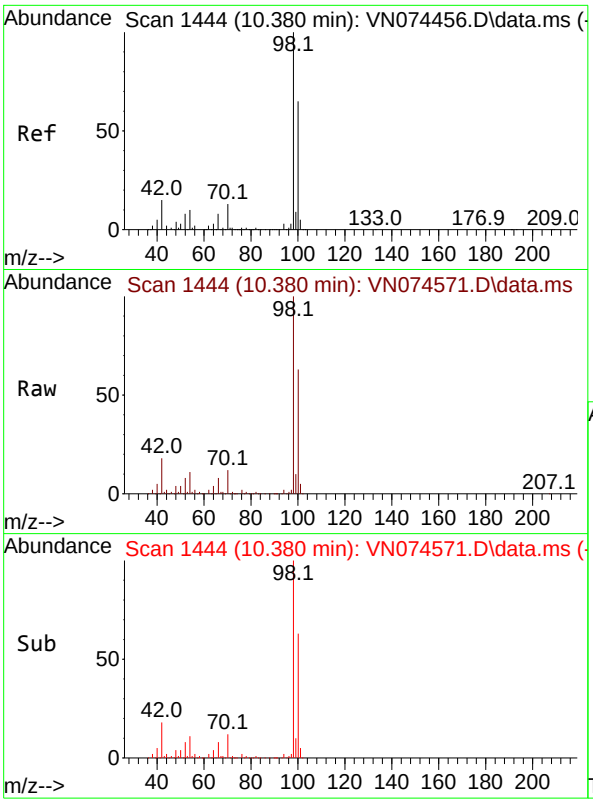


#44
Trichloroethene
Concen: 140.761 ug/l
RT: 9.151 min Scan# 1235
Delta R.T. 0.000 min
Lab File: VN074571.D
Acq: 17 Sep 2022 21:21

Tgt Ion:130 Resp: 566580

Ion	Ratio	Lower	Upper
130	100		
95	106.5	0.0	186.8





#50
Toluene-d8
Concen: 47.235 ug/l
RT: 10.380 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN074571.D
Acq: 17 Sep 2022 21:21

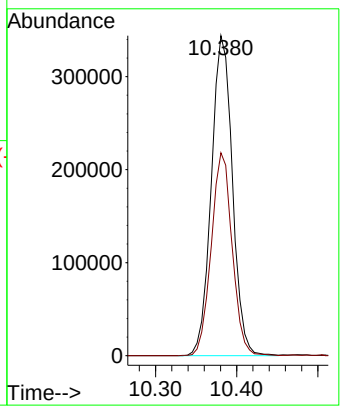
Tgt Ion: 98 Resp: 62083

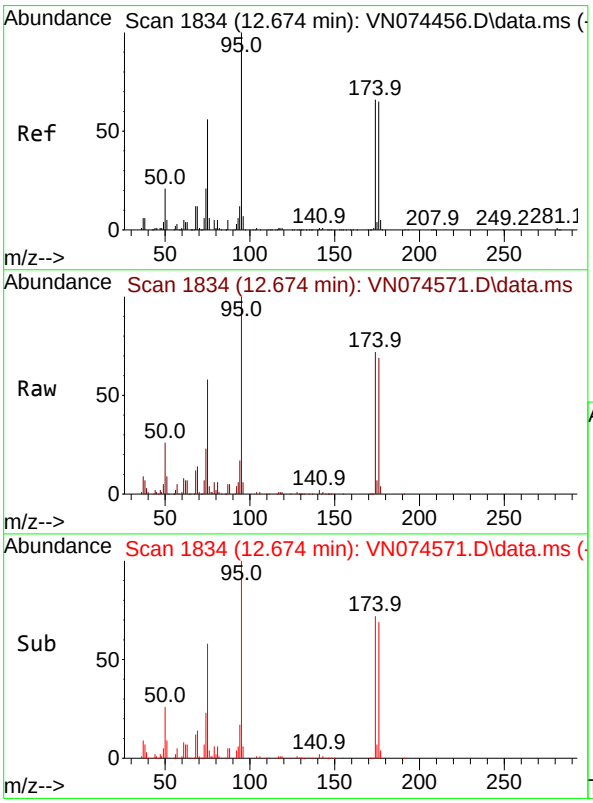
Ion	Ratio	Lower	Upper
98	100		
100	62.8	52.6	78.8

Instrument :
MSVOA_N
ClientSampleId :
1037-MW-11(15)

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/19/2022
Supervised By :Mahesh Dadoda 09/19/2022

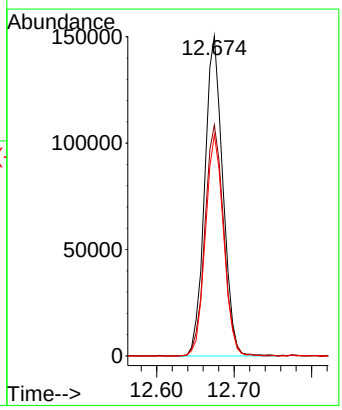


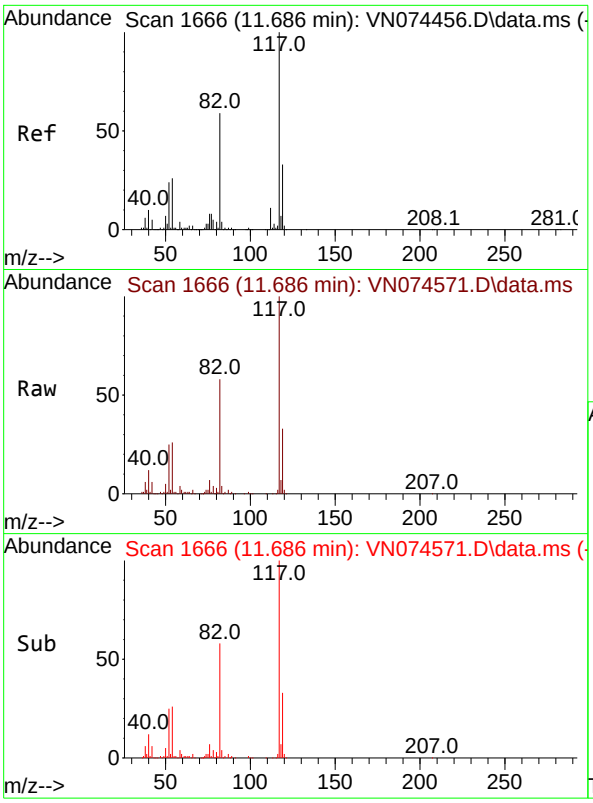


#62
4-Bromofluorobenzene
Concen: 54.142 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN074571.D
Acq: 17 Sep 2022 21:21

Tgt Ion: 95 Resp: 243724

Ion	Ratio	Lower	Upper
95	100		
174	74.8	0.0	167.6
176	69.4	0.0	163.4

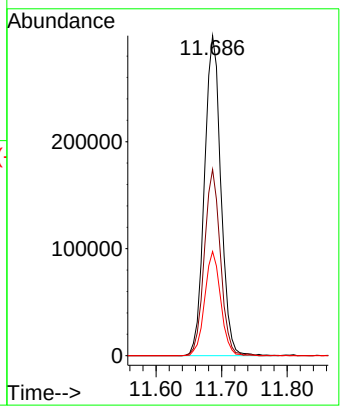




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VN074571.D
Acq: 17 Sep 2022 21:21

Tgt Ion:117 Resp: 52032

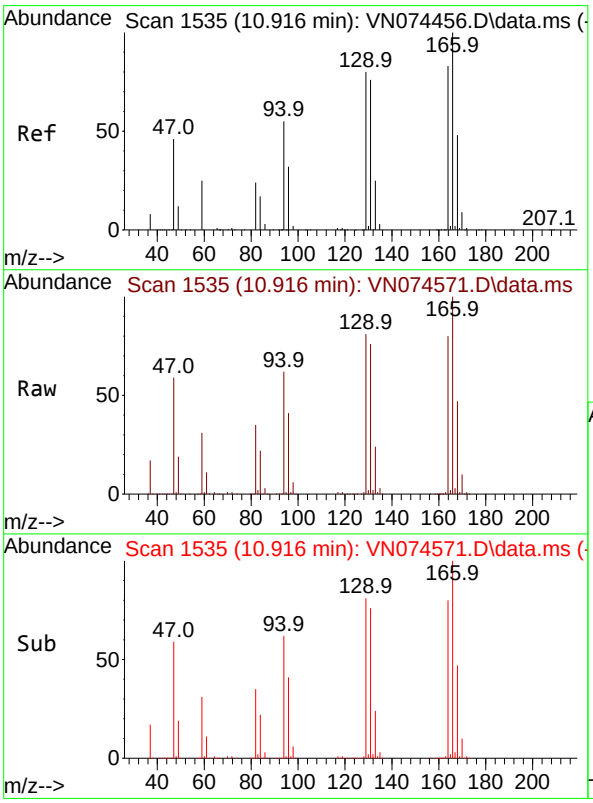
Ion	Ratio	Lower	Upper
117	100		
82	58.2	44.2	66.2
119	32.5	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
1037-MW-11(15)

Manual Integrations
APPROVED

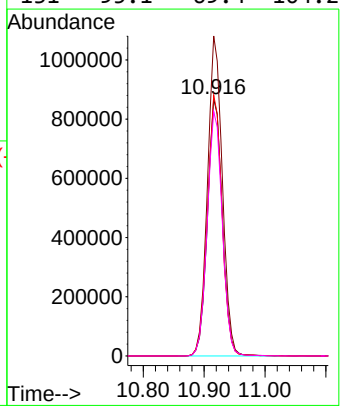
Reviewed By :John Carlone 09/19/2022
Supervised By :Mahesh Dadoda 09/19/2022

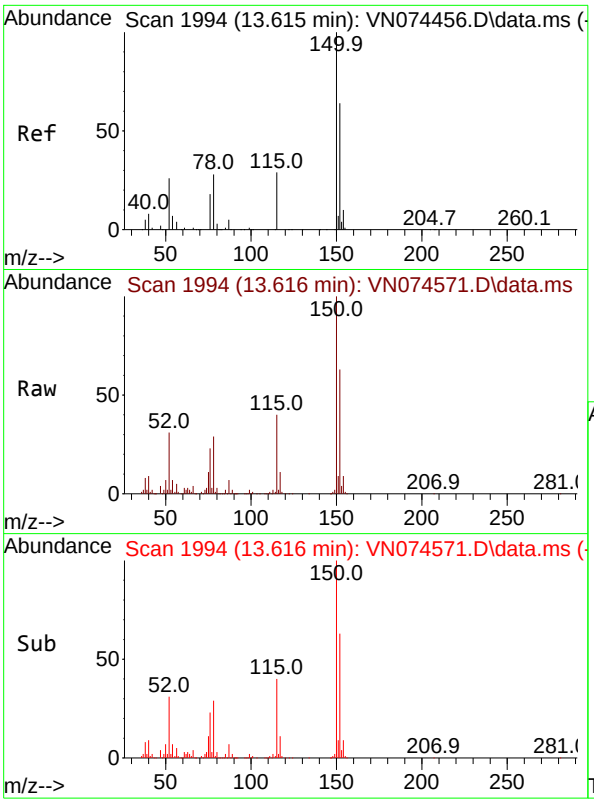


#64
Tetrachloroethene
Concen: 411.996 ug/l
RT: 10.916 min Scan# 1535
Delta R.T. -0.000 min
Lab File: VN074571.D
Acq: 17 Sep 2022 21:21

Tgt Ion:164 Resp: 1471181

Ion	Ratio	Lower	Upper
164	100		
166	124.4	104.2	156.2
129	101.4	73.9	110.9
131	95.1	69.4	104.2

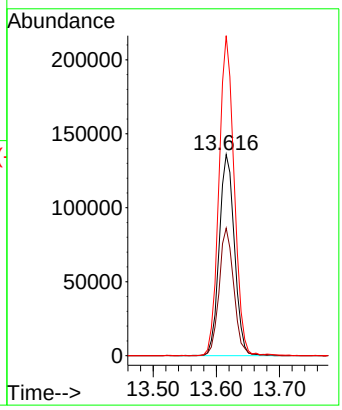




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1
Delta R.T. 0.001 min
Lab File: VN074571.D
Acq: 17 Sep 2022 21:21

Tgt Ion:152 Resp: 22810

Ion	Ratio	Lower	Upper
152	100		
115	61.2	28.9	86.7
150	158.4	0.0	356.2



Instrument :
MSVOA_N
ClientSampleId :
1037-MW-11(15)

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/19/2022
Supervised By :Mahesh Dadoda 09/19/2022

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091722\
Data File : VN074571.D
Acq On : 17 Sep 2022 21:21
Operator : JC\MD
Sample : N4647-06
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
1037-MW-11(15)

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Title : SW846 8260

Signal : TIC: VN074571.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.199	47	53	60	rBV	185750	358565	2.59%	1.254%
2	7.245	898	911	922	rBV2	331395	936073	6.75%	3.274%
3	7.951	1021	1031	1036	rBV	247877	573096	4.13%	2.004%
4	8.016	1036	1042	1053	rVB	359440	840452	6.06%	2.940%
5	8.375	1092	1103	1114	rBV	277791	638148	4.60%	2.232%
6	8.904	1183	1193	1203	rBV	629758	1272463	9.17%	4.451%
7	9.151	1223	1235	1246	rBV	1815965	3615276	26.07%	12.645%
8	10.380	1434	1444	1453	rBV	974922	1755791	12.66%	6.141%
9	10.916	1527	1535	1553	rBV	8201220	13869595	100.00%	48.511%
10	11.686	1656	1666	1674	rBV	1014635	1753583	12.64%	6.133%
11	12.674	1826	1834	1846	rBV	816183	1352929	9.75%	4.732%
12	13.616	1986	1994	2007	rBV	973166	1624924	11.72%	5.683%

Sum of corrected areas: 28590895

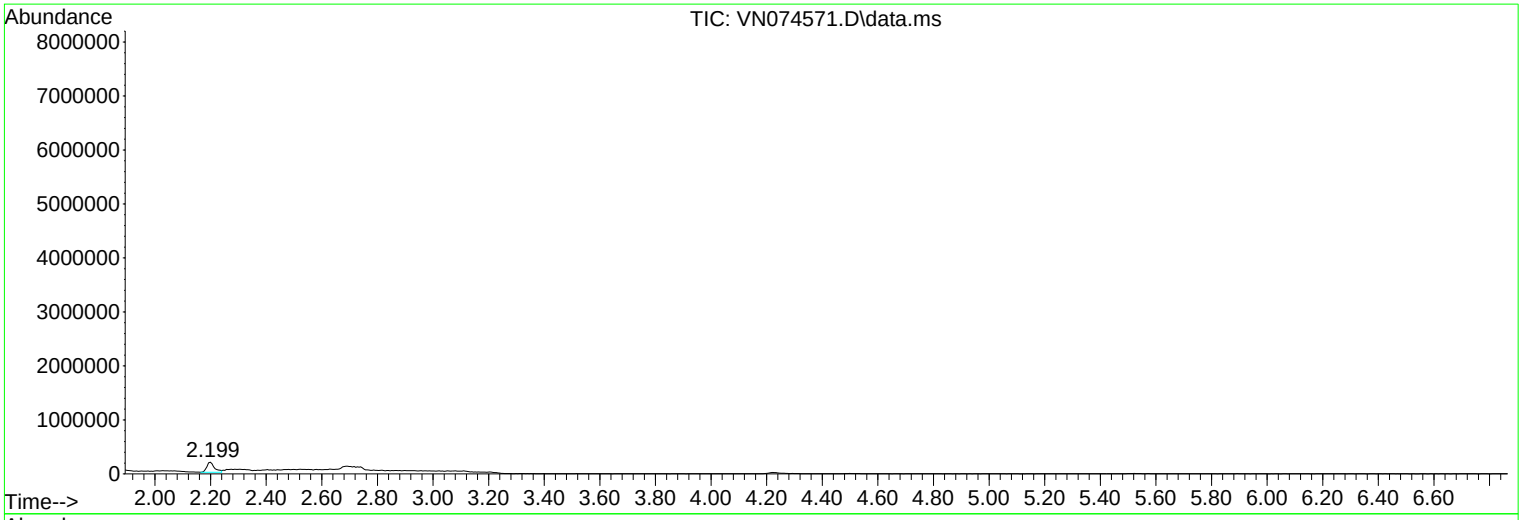
Sample Results: **VN074571.D**

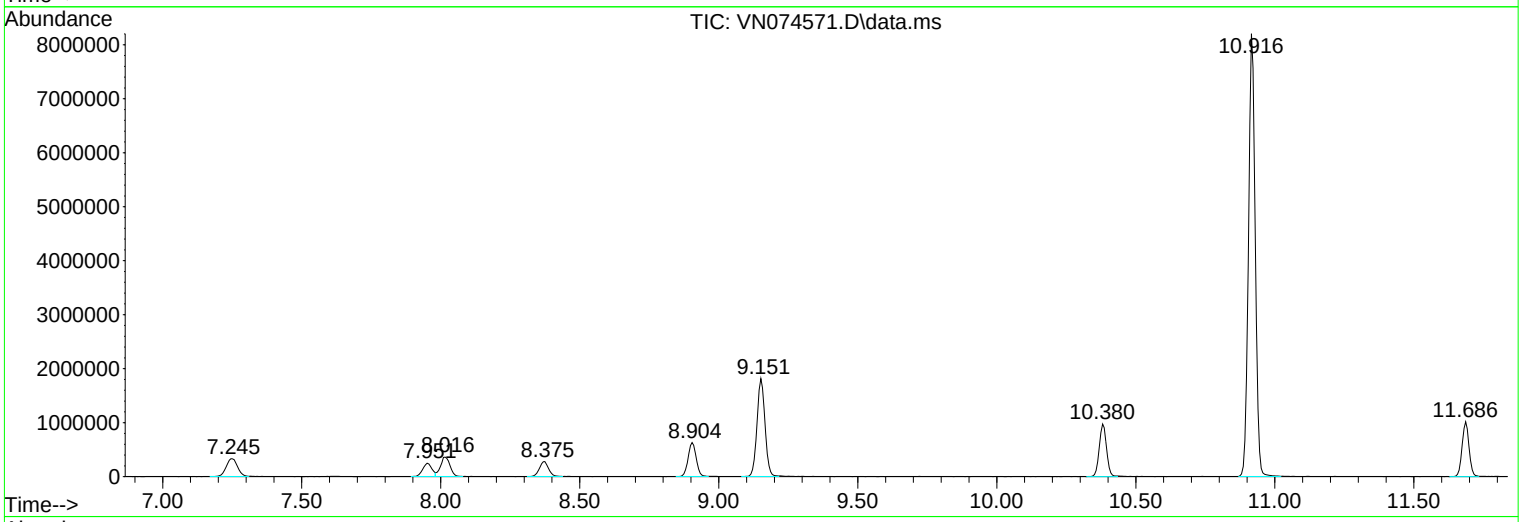
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091722\
Data File : VN074571.D
Acq On : 17 Sep 2022 21:21
Operator : JC\MD
Sample : N4647-06
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 23 Sample Multiplier: 1

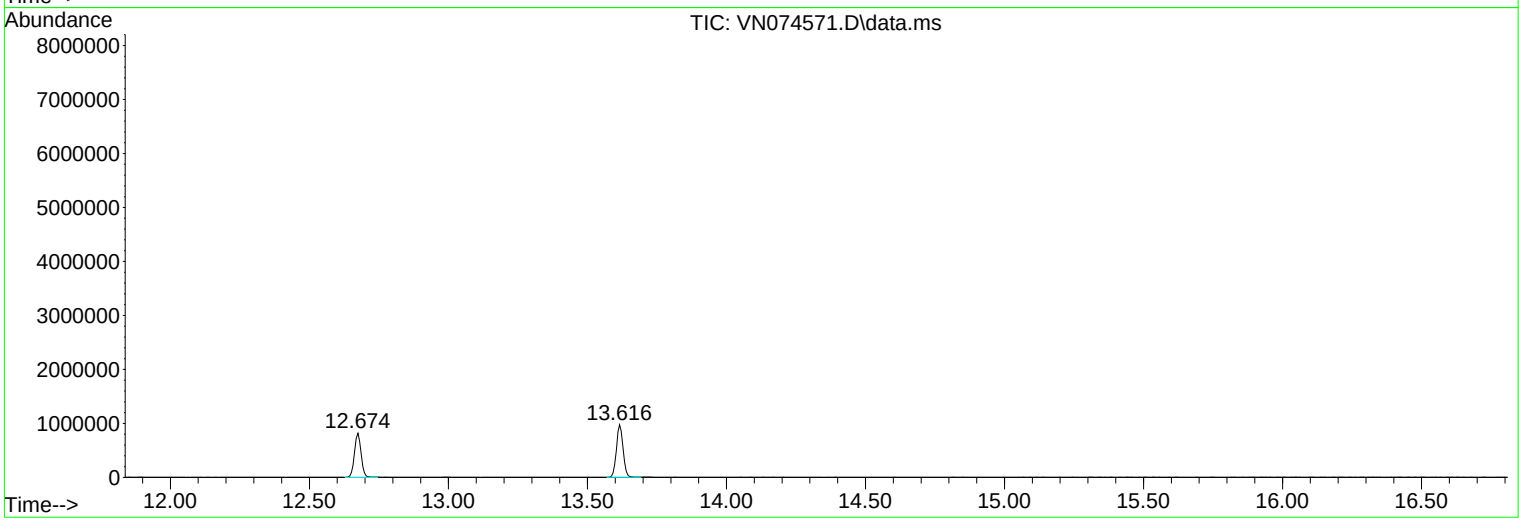
Instrument :
MSVOA_N
ClientSampleId :
1037-MW-11(15)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091722\
Data File : VN074571.D
Acq On : 17 Sep 2022 21:21
Operator : JC\MD
Sample : N4647-06
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
1037-MW-11(15)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260

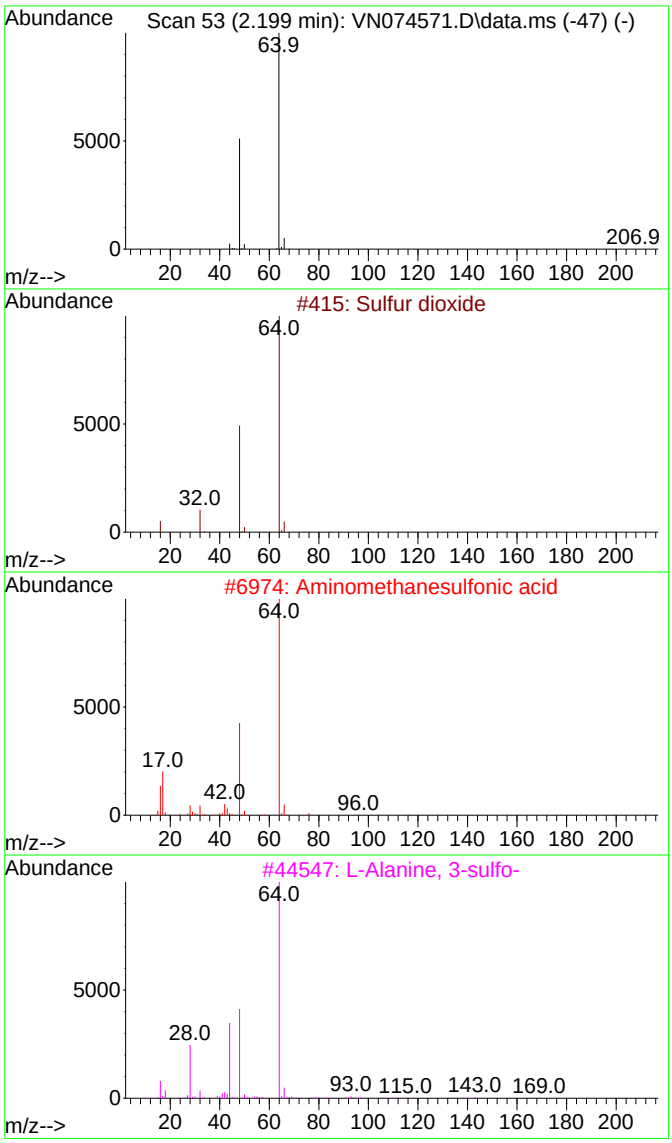
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

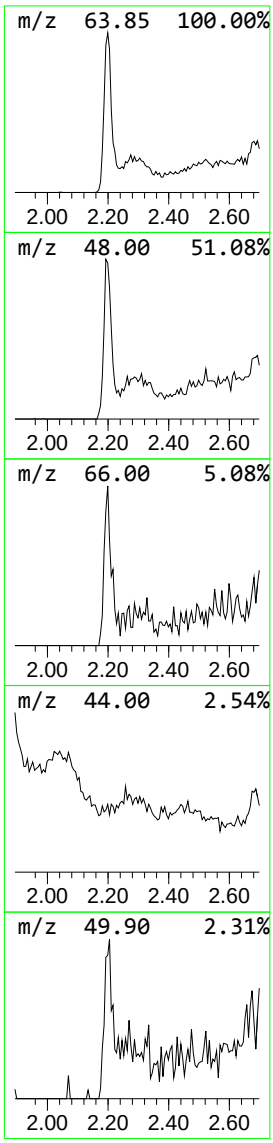
****

Peak Number 1 Sulfur dioxide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.199	21.33 ug/l	358565	Pentafluorobenzene	8.016

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfur dioxide	64	O2S	007446-09-5	83
2	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	74
3	L-Alanine, 3-sulfo-	169	C3H7NO5S	000498-40-8	9
4	Ethene, 1,1-difluoro-	64	C2H2F2	000075-38-7	4
5	Ethyl Chloride	64	C2H5Cl	000075-00-3	3





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091722\
Data File : VN074571.D
Acq On : 17 Sep 2022 21:21
Operator : JC\MD
Sample : N4647-06
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
1037-MW-11(15)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Sulfur dioxide	2.199	21.3	ug/l	358565	1	8.016	840452	50.0

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/08/22
Project:	Andrews St. Site	Date Received:	09/12/22
Client Sample ID:	1037-MW-11(15)DL	SDG No.:	N4647
Lab Sample ID:	N4647-06DL	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN074582.D	10		09/19/22 13:36	VN091922

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	10.0	UD	1.70	10.0	ug/L
74-87-3	Chloromethane	10.0	UDQ	2.00	10.0	ug/L
75-01-4	Vinyl Chloride	10.0	UDQ	2.20	10.0	ug/L
74-83-9	Bromomethane	50.0	UDQ	15.7	50.0	ug/L
75-00-3	Chloroethane	10.0	UDQ	2.60	10.0	ug/L
75-69-4	Trichlorofluoromethane	10.0	UD	2.00	10.0	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	10.0	UD	1.70	10.0	ug/L
75-35-4	1,1-Dichloroethene	10.0	UD	2.30	10.0	ug/L
67-64-1	Acetone	20.8	JD	11.6	50.0	ug/L
75-15-0	Carbon Disulfide	10.0	UD	2.60	10.0	ug/L
1634-04-4	Methyl tert-butyl Ether	10.0	UD	1.80	10.0	ug/L
79-20-9	Methyl Acetate	10.0	UD	5.30	10.0	ug/L
75-09-2	Methylene Chloride	10.0	UD	1.80	10.0	ug/L
156-60-5	trans-1,2-Dichloroethene	10.0	UD	2.00	10.0	ug/L
75-34-3	1,1-Dichloroethane	10.0	UD	2.00	10.0	ug/L
110-82-7	Cyclohexane	50.0	UD	12.1	50.0	ug/L
78-93-3	2-Butanone	50.0	UD	8.20	50.0	ug/L
56-23-5	Carbon Tetrachloride	10.0	UD	1.80	10.0	ug/L
156-59-2	cis-1,2-Dichloroethene	38.5	D	1.70	10.0	ug/L
74-97-5	Bromochloromethane	10.0	UD	1.90	10.0	ug/L
67-66-3	Chloroform	10.0	UD	1.80	10.0	ug/L
71-55-6	1,1,1-Trichloroethane	10.0	UD	1.80	10.0	ug/L
108-87-2	Methylcyclohexane	10.0	UD	1.30	10.0	ug/L
71-43-2	Benzene	10.0	UD	1.60	10.0	ug/L
107-06-2	1,2-Dichloroethane	10.0	UD	1.80	10.0	ug/L
79-01-6	Trichloroethene	110	D	2.70	10.0	ug/L
78-87-5	1,2-Dichloropropane	10.0	UD	1.70	10.0	ug/L
75-27-4	Bromodichloromethane	10.0	UD	1.80	10.0	ug/L
108-10-1	4-Methyl-2-Pentanone	50.0	UDQ	8.70	50.0	ug/L
108-88-3	Toluene	10.0	UD	1.70	10.0	ug/L
10061-02-6	t-1,3-Dichloropropene	10.0	UD	1.40	10.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	10.0	UD	1.60	10.0	ug/L

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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/08/22
Project:	Andrews St. Site	Date Received:	09/12/22
Client Sample ID:	1037-MW-11(15)DL	SDG No.:	N4647
Lab Sample ID:	N4647-06DL	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN074582.D	10		09/19/22 13:36	VN091922

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	10.0	UD	1.90	10.0	ug/L
591-78-6	2-Hexanone	50.0	UDQ	7.60	50.0	ug/L
124-48-1	Dibromochloromethane	10.0	UD	1.80	10.0	ug/L
106-93-4	1,2-Dibromoethane	10.0	UD	1.40	10.0	ug/L
127-18-4	Tetrachloroethene	300	D	1.80	10.0	ug/L
108-90-7	Chlorobenzene	10.0	UD	1.70	10.0	ug/L
100-41-4	Ethyl Benzene	10.0	UD	1.70	10.0	ug/L
179601-23-1	m/p-Xylenes	20.0	UD	3.30	20.0	ug/L
95-47-6	o-Xylene	10.0	UD	1.80	10.0	ug/L
100-42-5	Styrene	10.0	UD	1.30	10.0	ug/L
75-25-2	Bromoform	10.0	UD	1.60	10.0	ug/L
98-82-8	Isopropylbenzene	10.0	UD	1.90	10.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	10.0	UD	2.30	10.0	ug/L
541-73-1	1,3-Dichlorobenzene	10.0	UD	2.00	10.0	ug/L
106-46-7	1,4-Dichlorobenzene	10.0	UD	1.90	10.0	ug/L
95-50-1	1,2-Dichlorobenzene	10.0	UD	1.70	10.0	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	10.0	UD	4.20	10.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	10.0	UD	2.30	10.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	10.0	UD	3.30	10.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46.0		74 - 125	92%	SPK: 50
1868-53-7	Dibromofluoromethane	50.5		75 - 124	101%	SPK: 50
2037-26-5	Toluene-d8	47.7		86 - 113	95%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.0		83 - 123	104%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	282000	8.016			
540-36-3	1,4-Difluorobenzene	537000	8.904			
3114-55-4	Chlorobenzene-d5	526000	11.686			
3855-82-1	1,4-Dichlorobenzene-d4	227000	13.616			

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/08/22
Project:	Andrews St. Site	Date Received:	09/12/22
Client Sample ID:	1037-MW-11(15)DL	SDG No.:	N4647
Lab Sample ID:	N4647-06DL	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN074582.D	10		09/19/22 13:36	VN091922

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091922\
Data File : VN074582.D
Acq On : 19 Sep 2022 13:36
Operator : JC\MD
Sample : N4647-06DL 10X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
1037-MW-11(15)DL

Quant Time: Sep 20 04:19:15 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 15 19:20:33 2022
Response via : Initial Calibration

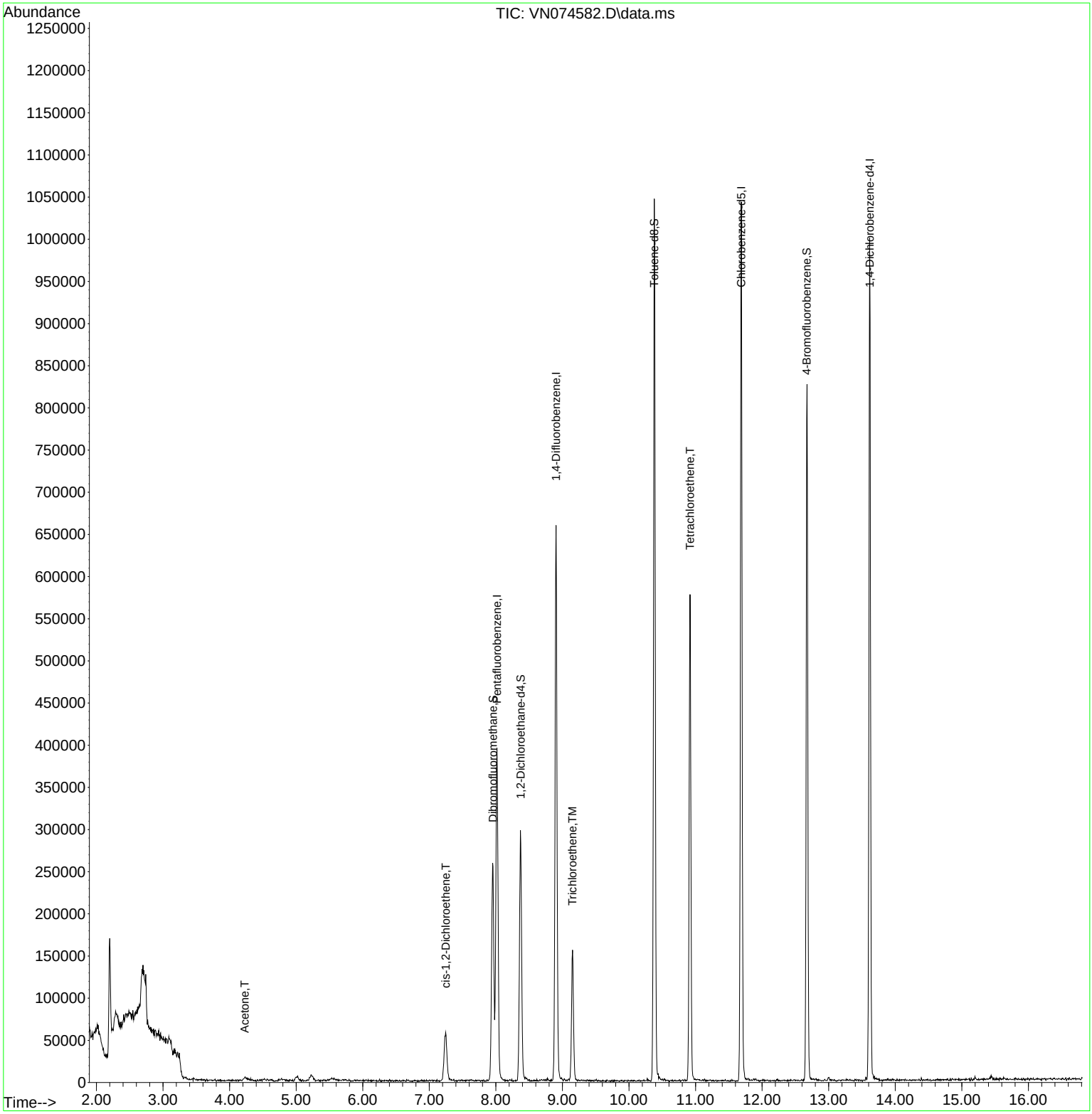
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.016	168	282029	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	537197	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	526101	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	227041	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.375	65	220257	46.028	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 92.060%			
35) Dibromofluoromethane	7.957	113	180386	50.549	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.100%			
50) Toluene-d8	10.381	98	657779	47.663	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 95.320%			
62) 4-Bromofluorobenzene	12.669	95	245567	51.953	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.900%			
Target Compounds						Qvalue
16) Acetone	4.228	43	6358	2.076	ug/l #	79
27) cis-1,2-Dichloroethene	7.245	96	20117	3.852	ug/l	94
44) Trichloroethene	9.151	130	47661	11.277	ug/l	87
64) Tetrachloroethene	10.916	164	109266	30.263	ug/l	91

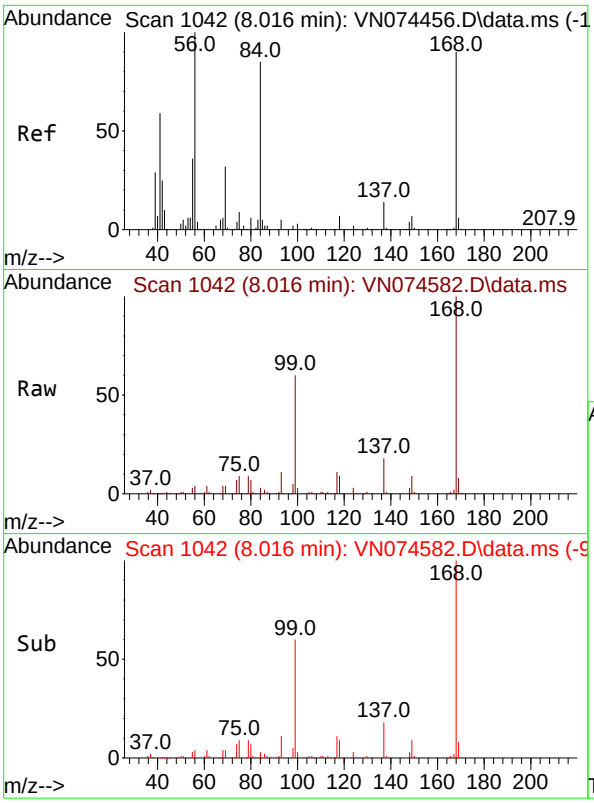
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091922\
Data File : VN074582.D
Acq On : 19 Sep 2022 13:36
Operator : JC\MD
Sample : N4647-06DL 10X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
1037-MW-11(15)DL

Quant Time: Sep 20 04:19:15 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 15 19:20:33 2022
Response via : Initial Calibration



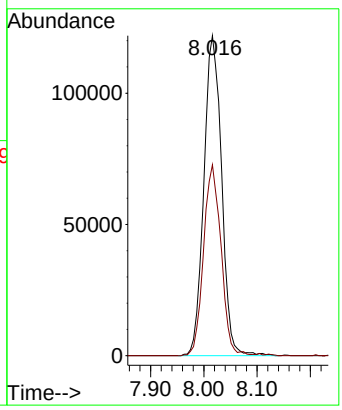


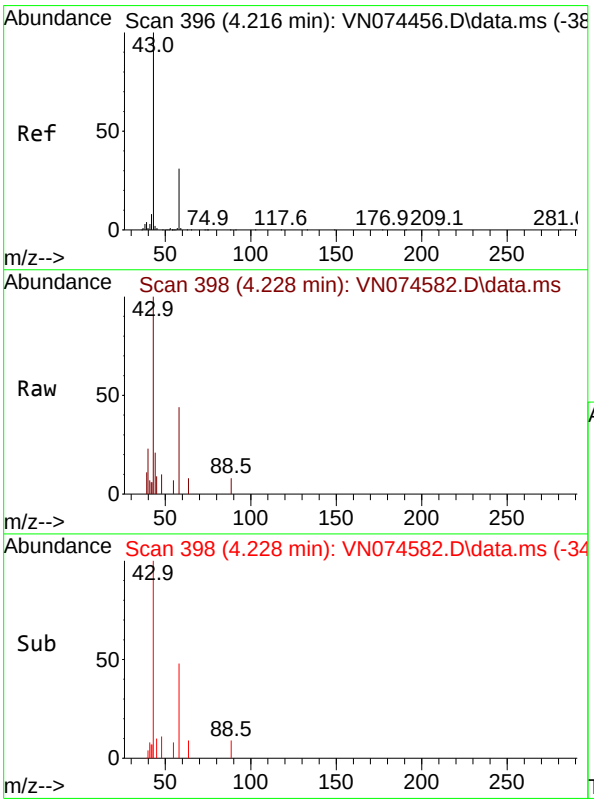
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074582.D
Acq: 19 Sep 2022 13:36

Instrument :
MSVOA_N
ClientSampleId :
1037-MW-11(15)DL

Tgt Ion:168 Resp: 282029

Ion	Ratio	Lower	Upper
168	100		
99	59.7	42.3	63.5

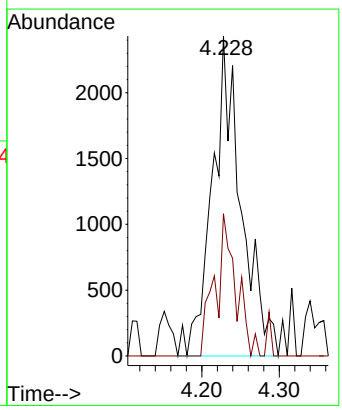


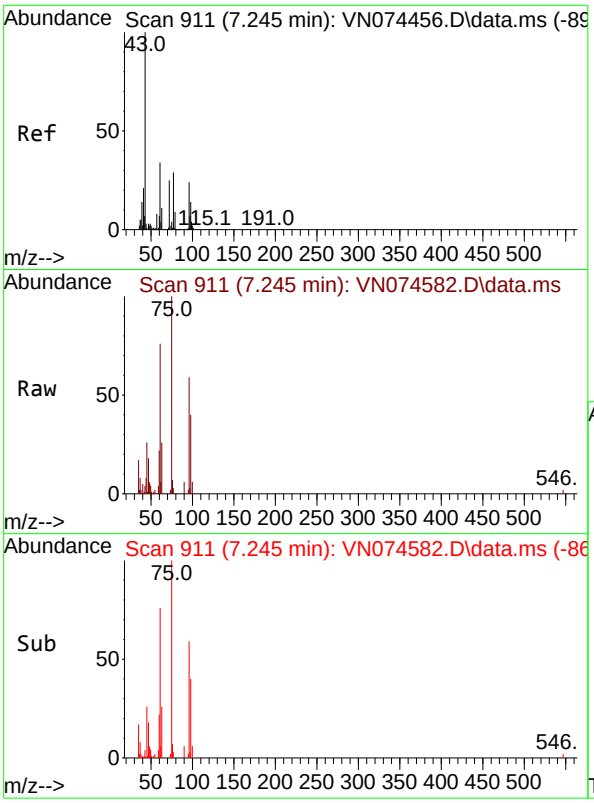


#16
Acetone
Concen: 2.076 ug/l
RT: 4.228 min Scan# 398
Delta R.T. 0.012 min
Lab File: VN074582.D
Acq: 19 Sep 2022 13:36

Tgt Ion: 43 Resp: 6358

Ion	Ratio	Lower	Upper
43	100		
58	44.5	26.0	39.0#



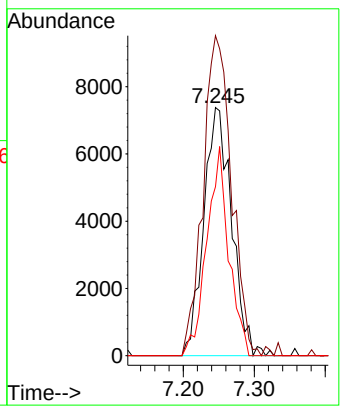


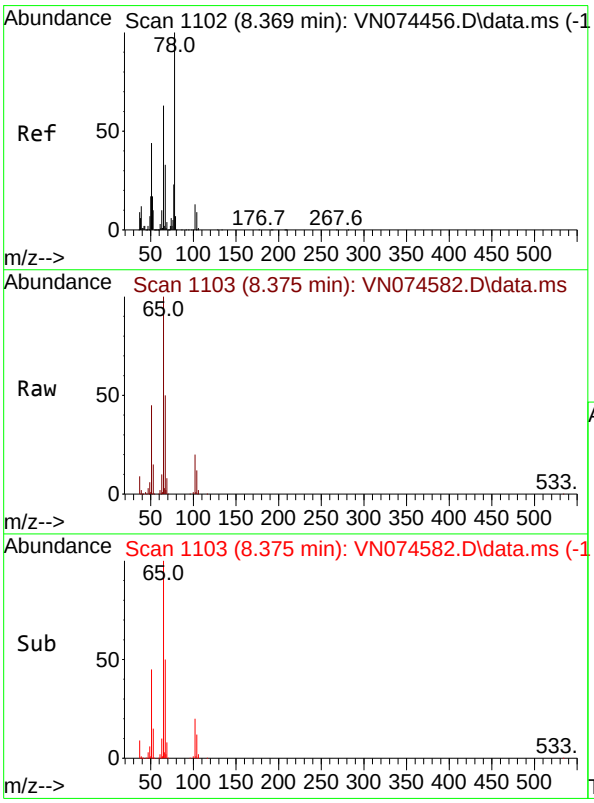
#27
cis-1,2-Dichloroethene
Concen: 3.852 ug/l
RT: 7.245 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN074582.D
Acq: 19 Sep 2022 13:36

Instrument :
MSVOA_N
ClientSampleId :
1037-MW-11(15)DL

Tgt Ion: 96 Resp: 20117

Ion	Ratio	Lower	Upper
96	100		
61	131.7	0.0	280.6
98	66.3	0.0	128.4

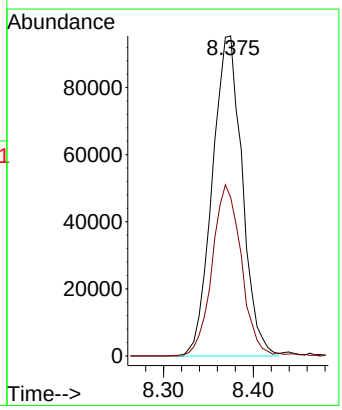


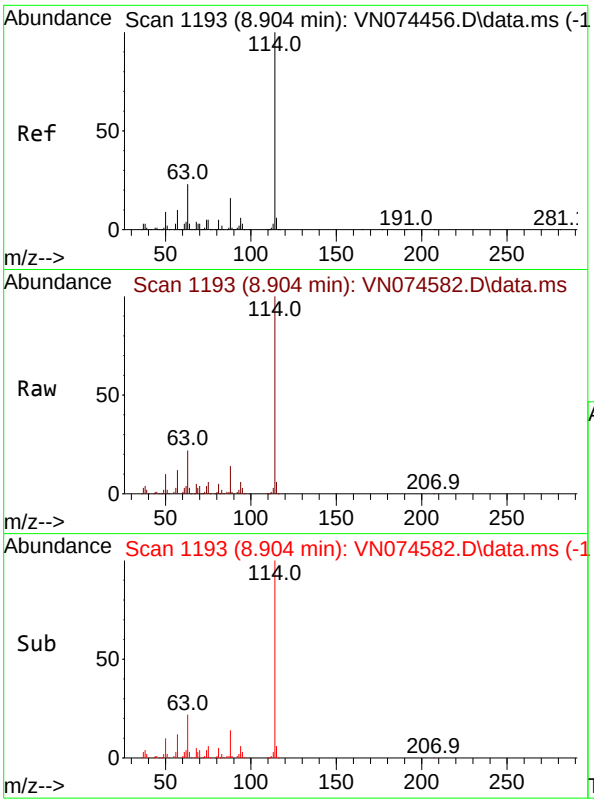


#33
1,2-Dichloroethane-d4
Concen: 46.028 ug/l
RT: 8.375 min Scan# 1103
Delta R.T. 0.006 min
Lab File: VN074582.D
Acq: 19 Sep 2022 13:36

Tgt Ion: 65 Resp: 220257

Ion	Ratio	Lower	Upper
65	100		
67	52.6	0.0	104.8



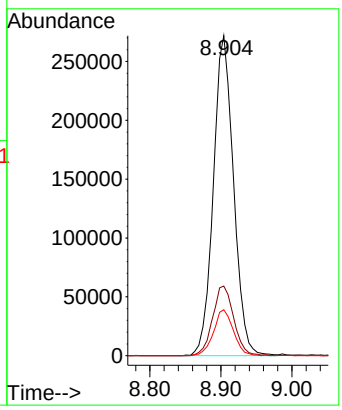


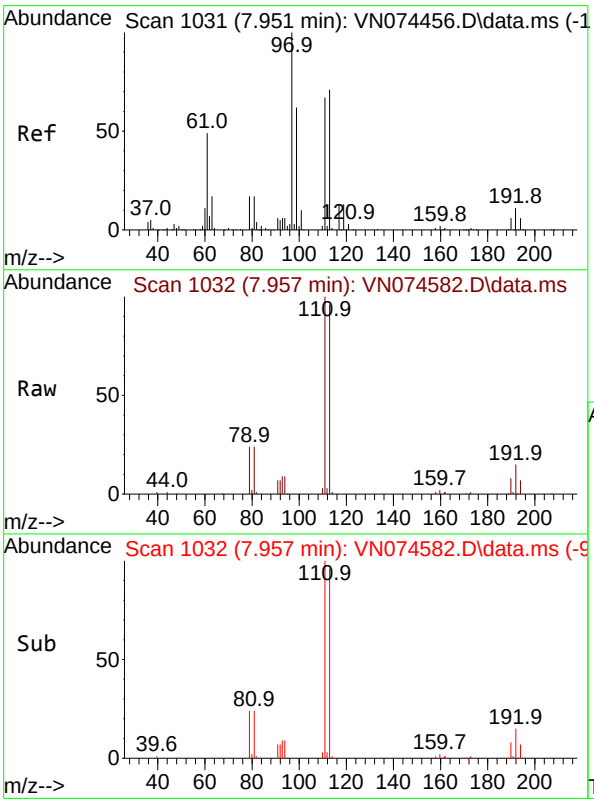
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN074582.D
Acq: 19 Sep 2022 13:36

Instrument :
MSVOA_N
ClientSampleId :
1037-MW-11(15)DL

Tgt Ion:114 Resp: 537197

Ion	Ratio	Lower	Upper
114	100		
63	21.7	0.0	40.0
88	14.3	0.0	32.6

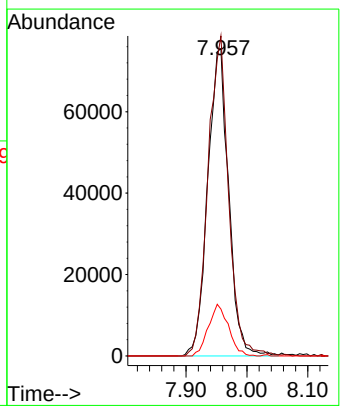


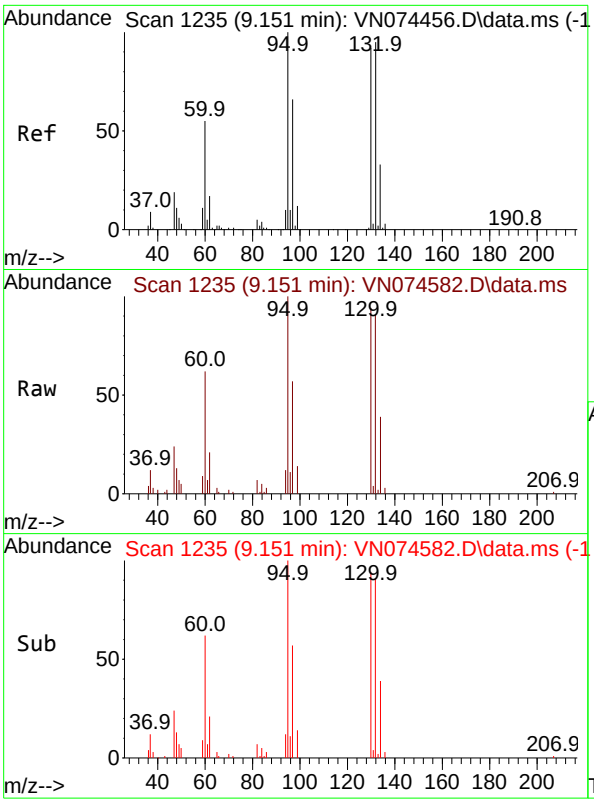


#35
Dibromofluoromethane
Concen: 50.549 ug/l
RT: 7.957 min Scan# 1032
Delta R.T. 0.006 min
Lab File: VN074582.D
Acq: 19 Sep 2022 13:36

Tgt Ion:113 Resp: 180386

Ion	Ratio	Lower	Upper
113	100		
111	102.3	81.4	122.0
192	16.2	17.0	25.6#



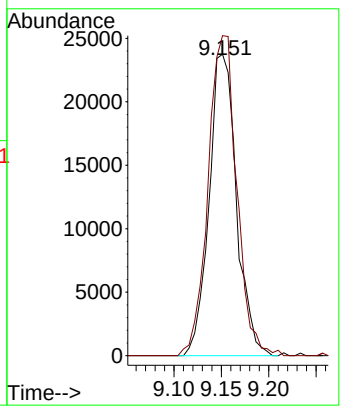


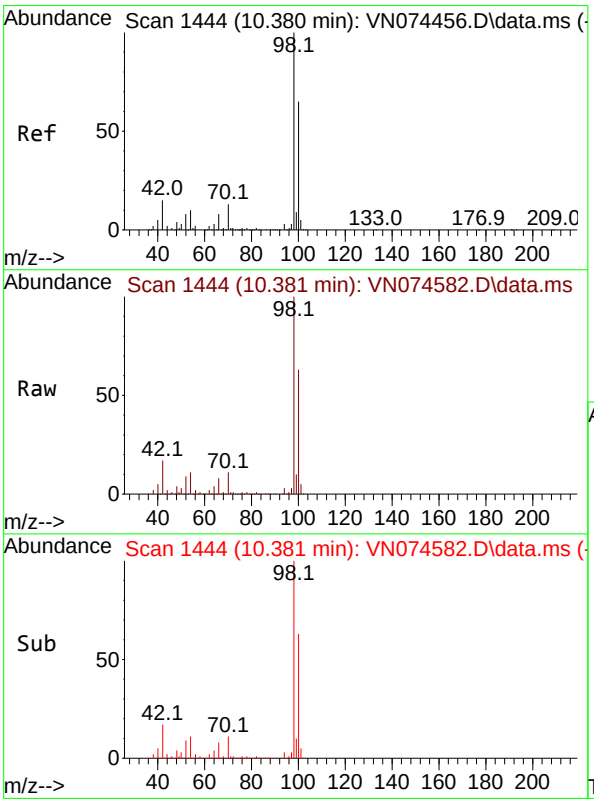
#44
Trichloroethene
Concen: 11.277 ug/l
RT: 9.151 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074582.D
Acq: 19 Sep 2022 13:36

Instrument :
MSVOA_N
ClientSampleId :
1037-MW-11(15)DL

Tgt Ion:130 Resp: 47661

Ion	Ratio	Lower	Upper
130	100		
95	106.2	0.0	186.8

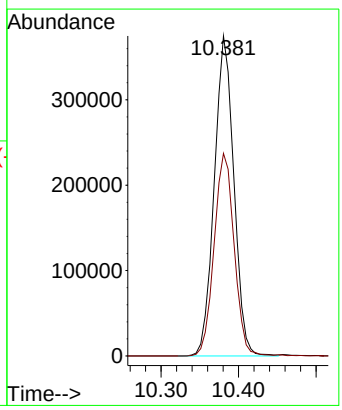


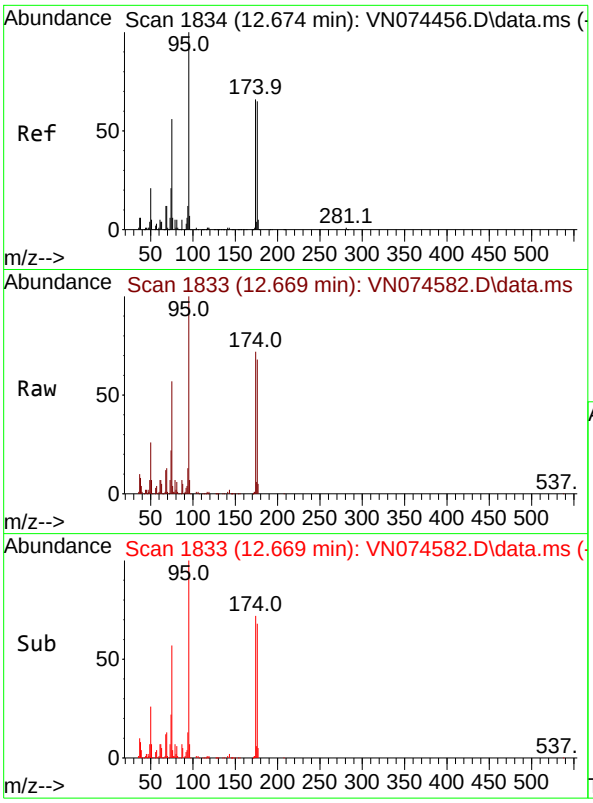


#50
Toluene-d8
Concen: 47.663 ug/l
RT: 10.381 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074582.D
Acq: 19 Sep 2022 13:36

Tgt Ion: 98 Resp: 657779

Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.6	78.8



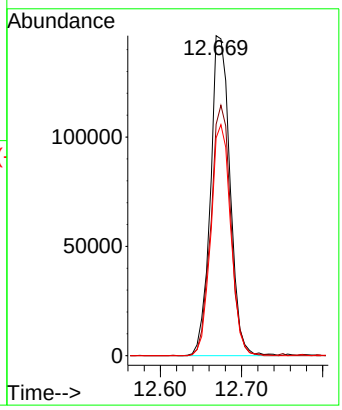


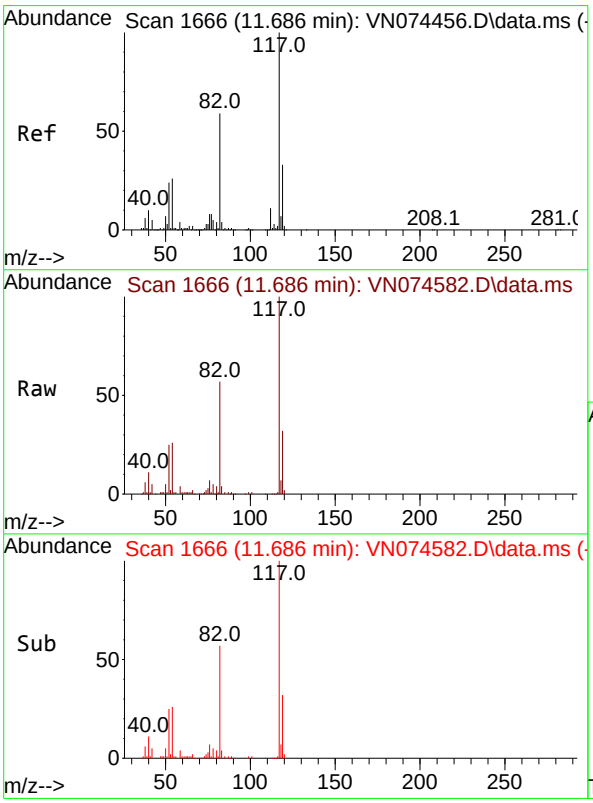
#62
4-Bromofluorobenzene
Concen: 51.953 ug/l
RT: 12.669 min Scan# 1
Delta R.T. -0.005 min
Lab File: VN074582.D
Acq: 19 Sep 2022 13:36

Instrument :
MSVOA_N
ClientSampleId :
1037-MW-11(15)DL

Tgt Ion: 95 Resp: 245567

Ion	Ratio	Lower	Upper
95	100		
174	79.5	0.0	167.6
176	73.3	0.0	163.4

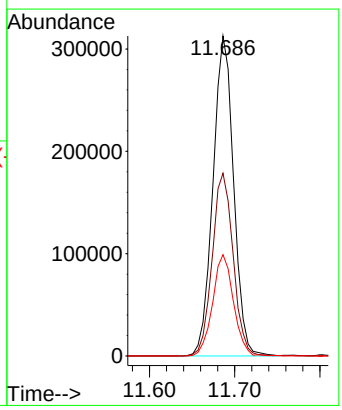


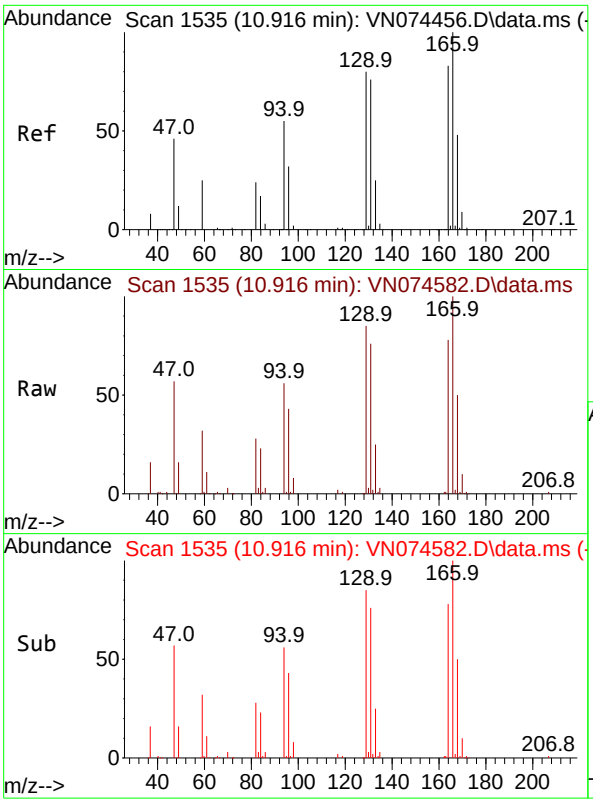


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN074582.D
Acq: 19 Sep 2022 13:36

Tgt Ion:117 Resp: 526101

Ion	Ratio	Lower	Upper
117	100		
82	57.1	44.2	66.2
119	31.7	25.4	38.0



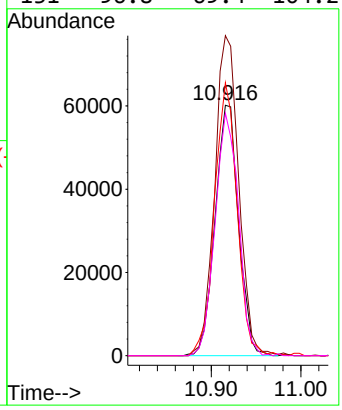


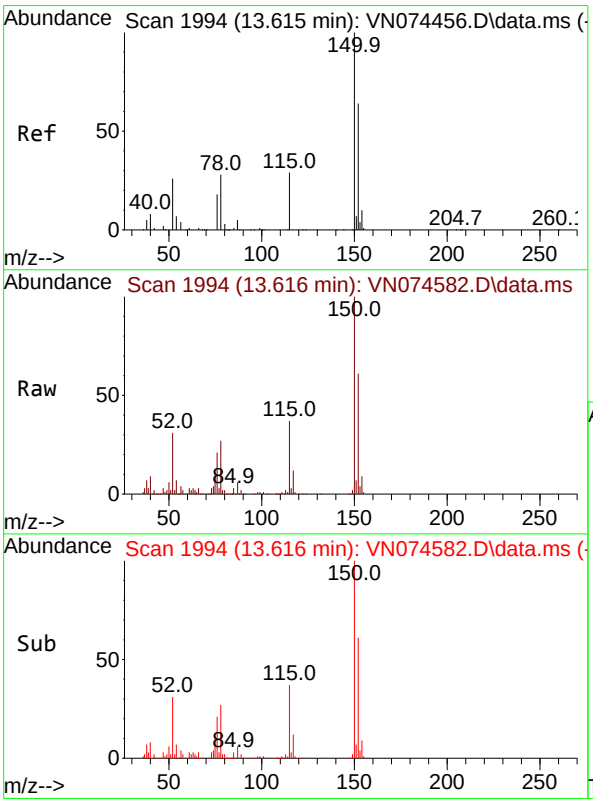
#64
Tetrachloroethene
Concen: 30.263 ug/l
RT: 10.916 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074582.D
Acq: 19 Sep 2022 13:36

Instrument :
MSVOA_N
ClientSampleId :
1037-MW-11(15)DL

Tgt Ion:164 Resp: 109266

Ion	Ratio	Lower	Upper
164	100		
166	127.8	104.2	156.2
129	109.0	73.9	110.9
131	96.8	69.4	104.2

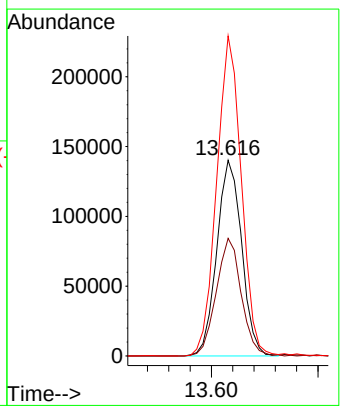




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1994
Delta R.T. 0.001 min
Lab File: VN074582.D
Acq: 19 Sep 2022 13:36

Tgt Ion:152 Resp: 227041

Ion	Ratio	Lower	Upper
152	100		
115	60.5	28.9	86.7
150	162.6	0.0	356.2



CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/08/22
Project:	Andrews St. Site	Date Received:	09/12/22
Client Sample ID:	1038-MW-17A(15.5)	SDG No.:	N4647
Lab Sample ID:	N4647-07	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN074588.D	1		09/19/22 16:03	VN091922

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.17	1.00	ug/L
74-87-3	Chloromethane	1.00	UQ	0.20	1.00	ug/L
75-01-4	Vinyl Chloride	18.8	Q	0.22	1.00	ug/L
74-83-9	Bromomethane	5.00	UQ	1.60	5.00	ug/L
75-00-3	Chloroethane	1.00	UQ	0.26	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.20	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.17	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.23	1.00	ug/L
67-64-1	Acetone	14.8		1.20	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.26	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.18	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.53	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.30		0.20	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.20	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.20	5.00	ug/L
78-93-3	2-Butanone	5.00	U	0.82	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.18	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	78.6		0.17	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.19	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.18	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.18	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.13	1.00	ug/L
71-43-2	Benzene	1.00	U	0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.18	1.00	ug/L
79-01-6	Trichloroethene	11.2		0.27	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.17	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.18	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	UQ	0.87	5.00	ug/L
108-88-3	Toluene	1.00	U	0.17	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.14	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.16	1.00	ug/L

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/08/22
Project:	Andrews St. Site	Date Received:	09/12/22
Client Sample ID:	1038-MW-17A(15.5)	SDG No.:	N4647
Lab Sample ID:	N4647-07	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN074588.D	1		09/19/22 16:03	VN091922

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1.00	U	0.19	1.00	ug/L
591-78-6	2-Hexanone	5.00	UQ	0.76	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.14	1.00	ug/L
127-18-4	Tetrachloroethene	2.20		0.18	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.17	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.17	1.00	ug/L
179601-23-1	m/p-Xylenes	2.00	U	0.33	2.00	ug/L
95-47-6	o-Xylene	1.00	U	0.18	1.00	ug/L
100-42-5	Styrene	1.00	U	0.13	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.16	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.19	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.23	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.20	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.17	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.42	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.23	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.33	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.3		74 - 125	95%	SPK: 50
1868-53-7	Dibromofluoromethane	50.6		75 - 124	101%	SPK: 50
2037-26-5	Toluene-d8	47.0		86 - 113	94%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.9		83 - 123	104%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	247000	8.016			
540-36-3	1,4-Difluorobenzene	488000	8.904			
3114-55-4	Chlorobenzene-d5	484000	11.686			
3855-82-1	1,4-Dichlorobenzene-d4	210000	13.616			
TENTATIVE IDENTIFIED COMPOUNDS						
109-99-9	Tetrahydrofuran	1.40	J		7.62	ug/L

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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/08/22
Project:	Andrews St. Site	Date Received:	09/12/22
Client Sample ID:	1038-MW-17A(15.5)	SDG No.:	N4647
Lab Sample ID:	N4647-07	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN074588.D	1		09/19/22 16:03	VN091922

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091922\
Data File : VN074588.D
Acq On : 19 Sep 2022 16:03
Operator : JC\MD
Sample : N4647-07
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
1038-MW-17A(15.5)

Quant Time: Sep 20 04:20:15 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 15 19:20:33 2022
Response via : Initial Calibration

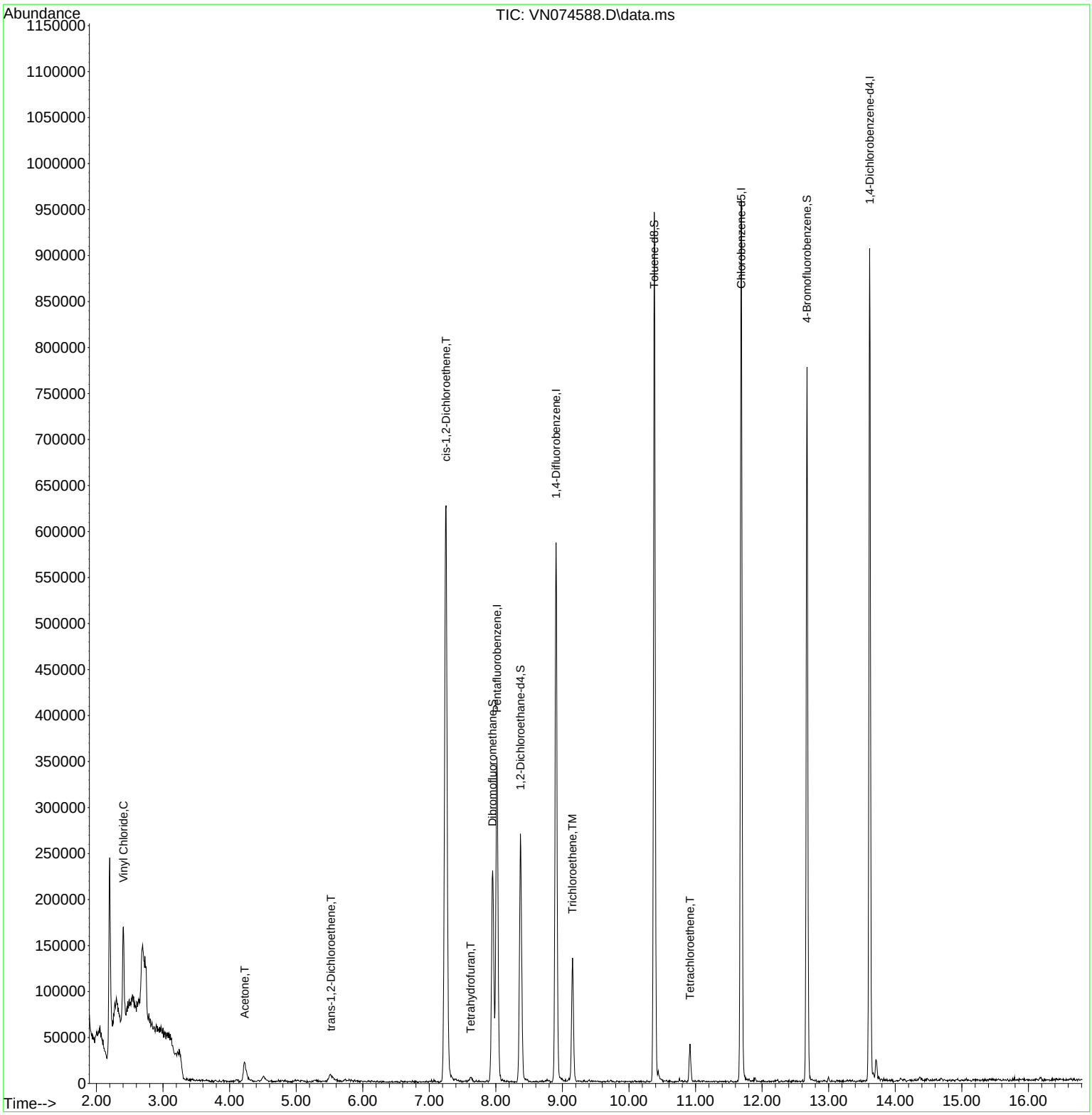
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.016	168	247038	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	488315	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	484186	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	210438	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	198196	47.284	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 94.560%			
35) Dibromofluoromethane	7.951	113	164146	50.603	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.200%			
50) Toluene-d8	10.381	98	589554	46.995	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 94.000%			
62) 4-Bromofluorobenzene	12.675	95	222874	51.872	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.740%			
Target Compounds						Qvalue
4) Vinyl Chloride	2.405	62	91218	18.849	ug/l	94
16) Acetone	4.228	43	39762	14.824	ug/l #	88
21) trans-1,2-Dichloroethene	5.522	96	3251	1.331	ug/l #	73
27) cis-1,2-Dichloroethene	7.251	96	359431	78.577	ug/l	98
29) Tetrahydrofuran	7.622	42	4190	1.431	ug/l #	43
44) Trichloroethene	9.151	130	43099	11.218	ug/l	96
64) Tetrachloroethene	10.916	164	7400	2.227	ug/l	96

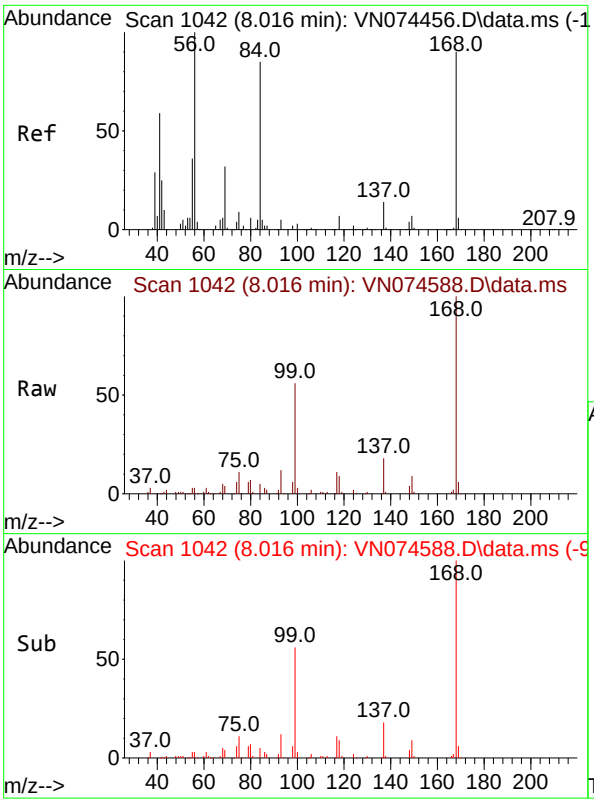
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091922\
Data File : VN074588.D
Acq On : 19 Sep 2022 16:03
Operator : JC\MD
Sample : N4647-07
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
1038-MW-17A(15.5)

Quant Time: Sep 20 04:20:15 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 15 19:20:33 2022
Response via : Initial Calibration



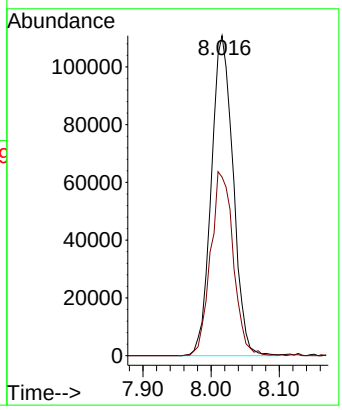


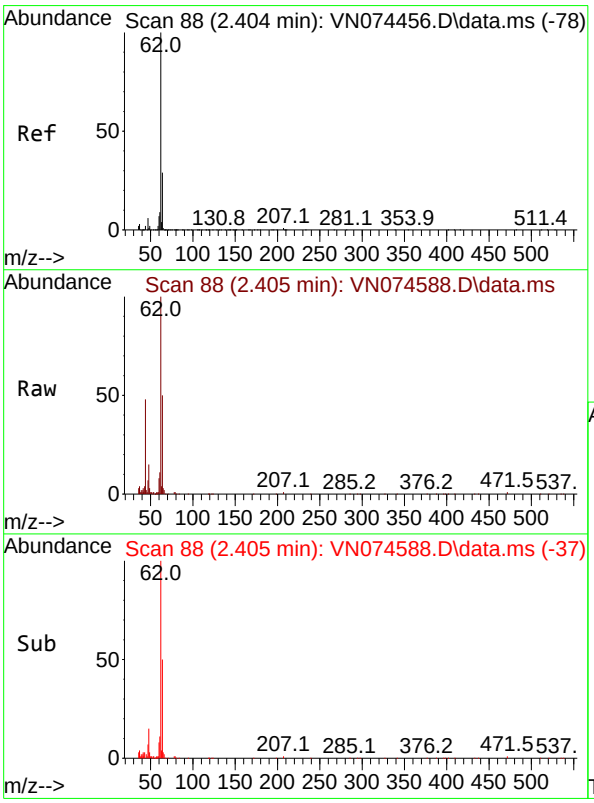
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074588.D
Acq: 19 Sep 2022 16:03

Instrument :
MSVOA_N
ClientSampleId :
1038-MW-17A(15.5)

Tgt Ion:168 Resp: 247038

Ion	Ratio	Lower	Upper
168	100		
99	55.8	42.3	63.5

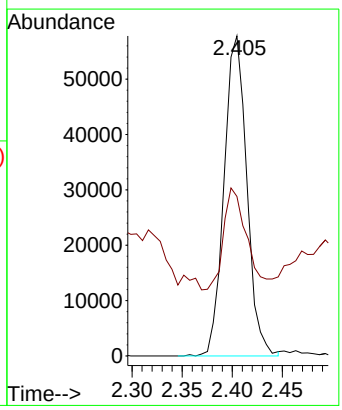


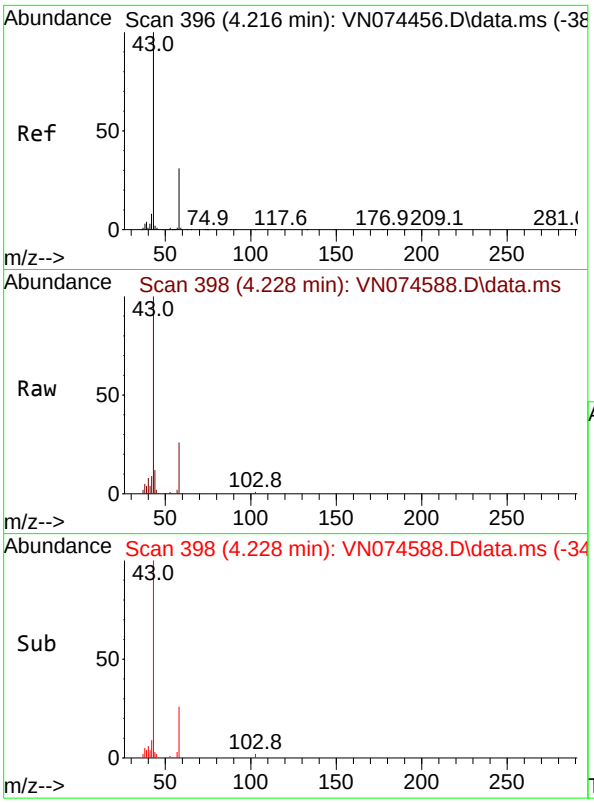


#4
Vinyl Chloride
Concen: 18.849 ug/l
RT: 2.405 min Scan# 88
Delta R.T. 0.001 min
Lab File: VN074588.D
Acq: 19 Sep 2022 16:03

Tgt Ion: 62 Resp: 91218

Ion	Ratio	Lower	Upper
62	100		
64	27.7	25.0	37.4



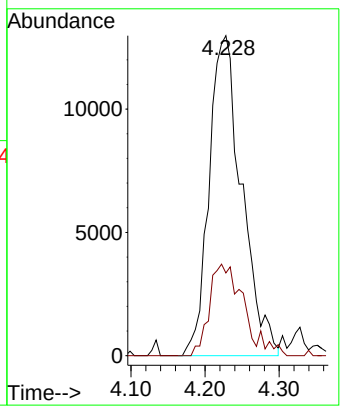


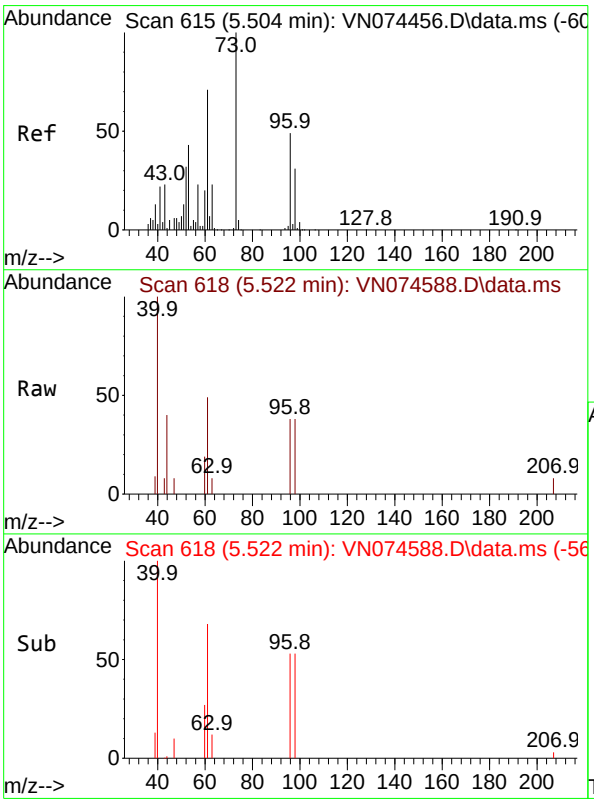
#16
Acetone
Concen: 14.824 ug/l
RT: 4.228 min Scan# 3
Delta R.T. 0.012 min
Lab File: VN074588.D
Acq: 19 Sep 2022 16:03

Instrument :
MSVOA_N
ClientSampleId :
1038-MW-17A(15.5)

Tgt Ion: 43 Resp: 39762

Ion	Ratio	Lower	Upper
43	100		
58	25.9	26.0	39.0#

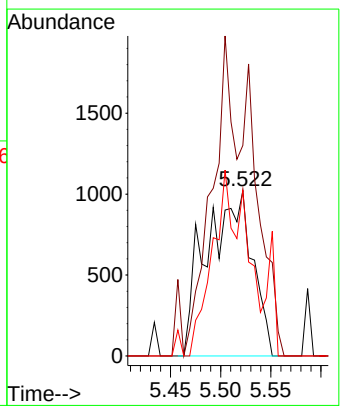


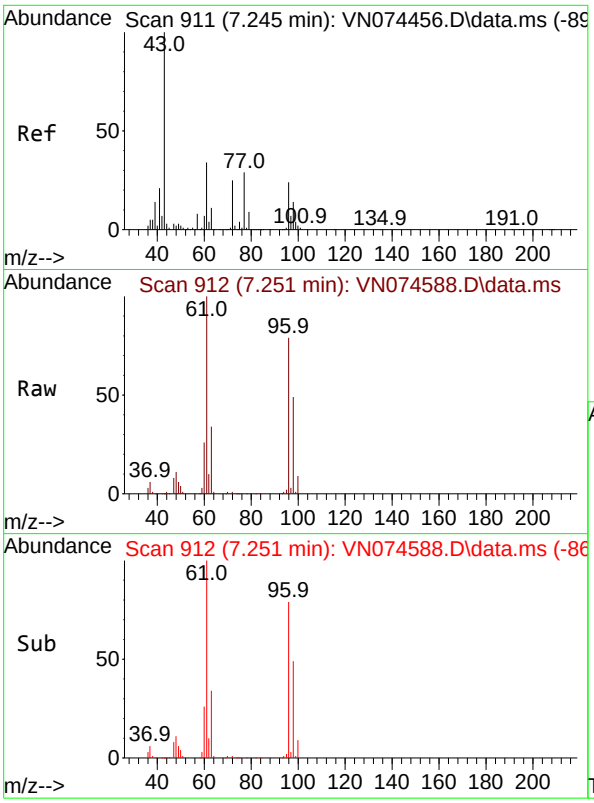


#21
trans-1,2-Dichloroethene
Concen: 1.331 ug/l
RT: 5.522 min Scan# 618
Delta R.T. 0.018 min
Lab File: VN074588.D
Acq: 19 Sep 2022 16:03

Tgt Ion: 96 Resp: 3251

Ion	Ratio	Lower	Upper
96	100		
61	112.4	105.8	158.8
98	100.2	50.3	75.5#



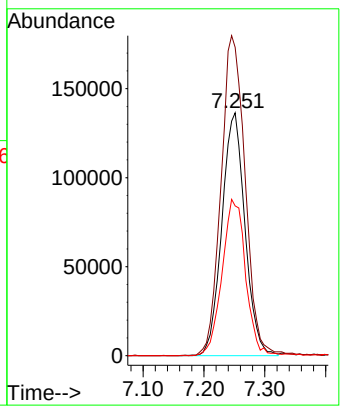


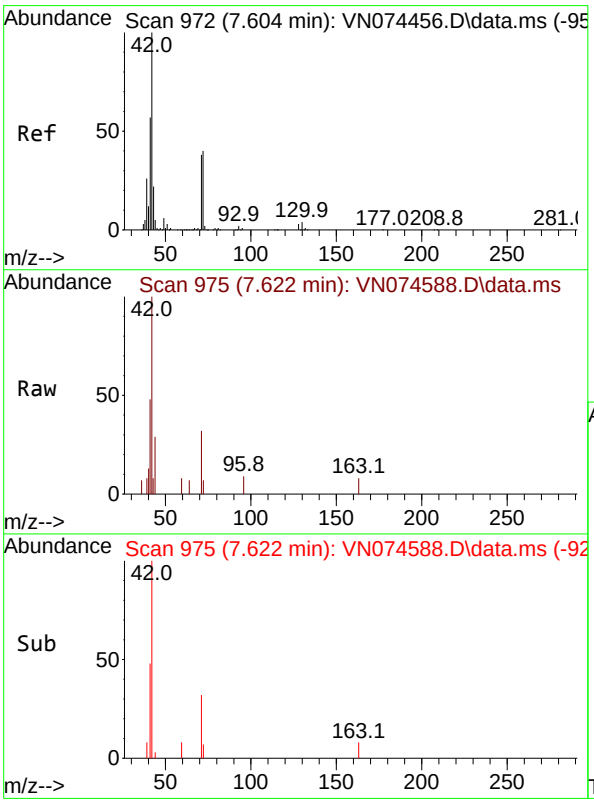
#27
cis-1,2-Dichloroethene
Concen: 78.577 ug/l
RT: 7.251 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN074588.D
Acq: 19 Sep 2022 16:03

Instrument :
MSVOA_N
ClientSampleId :
1038-MW-17A(15.5)

Tgt Ion: 96 Resp: 359431

Ion	Ratio	Lower	Upper
96	100		
61	138.0	0.0	280.6
98	65.5	0.0	128.4

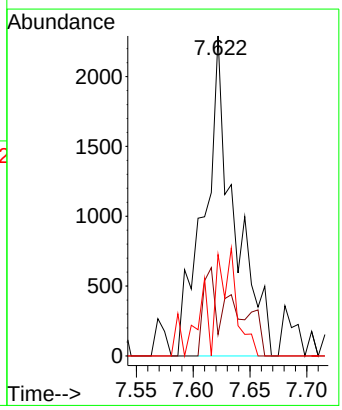


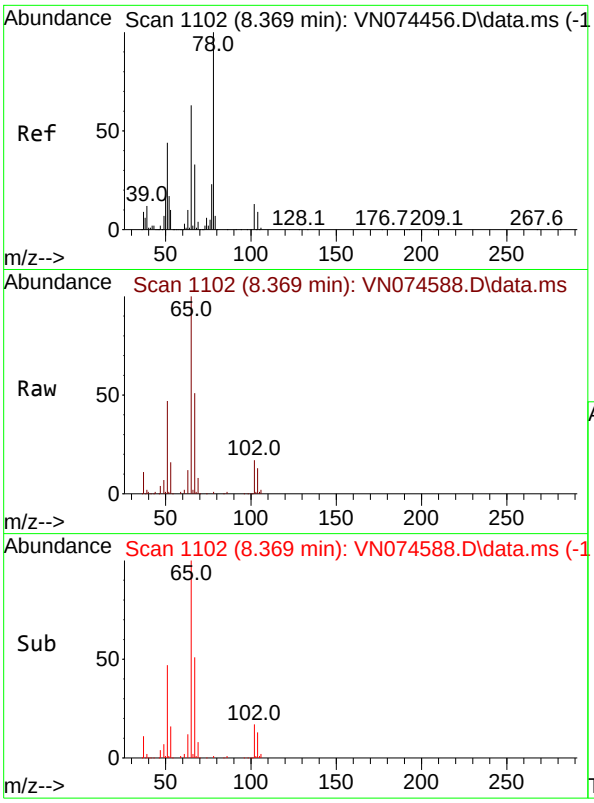


#29
Tetrahydrofuran
Concen: 1.431 ug/l
RT: 7.622 min Scan# 975
Delta R.T. 0.018 min
Lab File: VN074588.D
Acq: 19 Sep 2022 16:03

Tgt Ion: 42 Resp: 4190

Ion	Ratio	Lower	Upper
42	100		
72	11.1	39.7	59.5#
71	8.1	36.6	55.0#



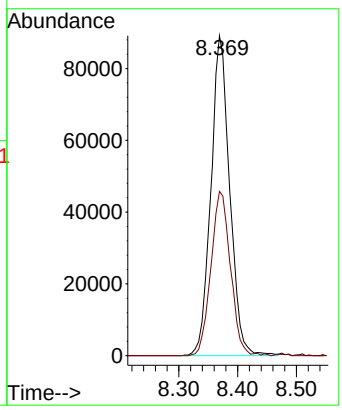


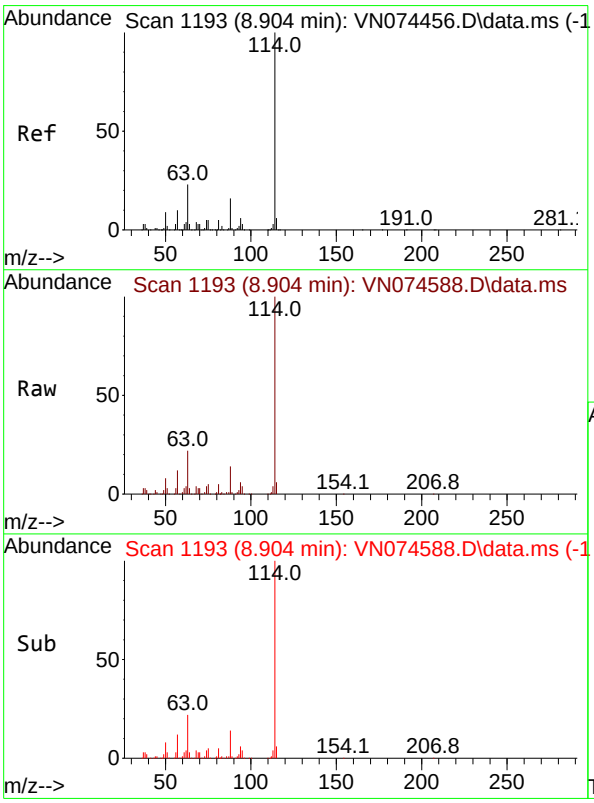
#33
1,2-Dichloroethane-d4
Concen: 47.284 ug/l
RT: 8.369 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN074588.D
Acq: 19 Sep 2022 16:03

Instrument :
MSVOA_N
ClientSampleId :
1038-MW-17A(15.5)

Tgt Ion: 65 Resp: 198196

Ion	Ratio	Lower	Upper
65	100		
67	53.3	0.0	104.8

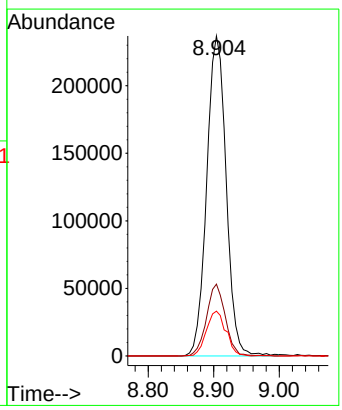


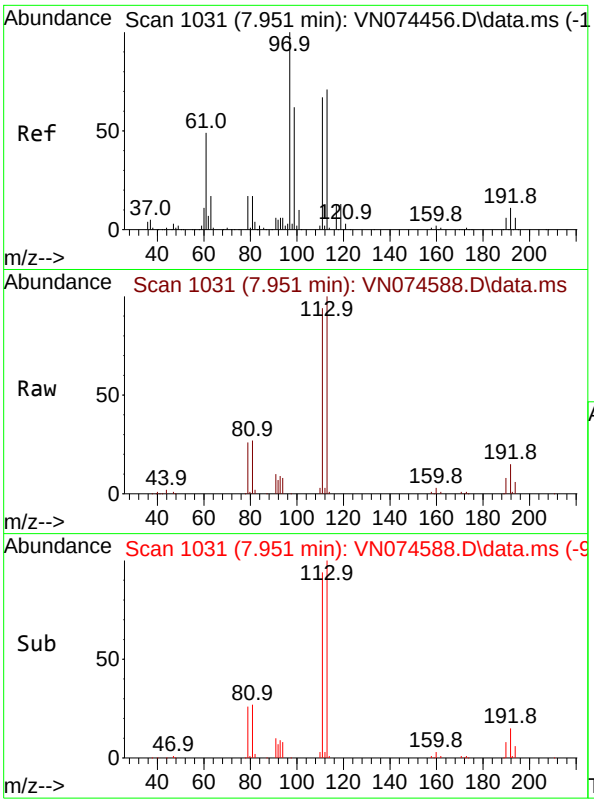


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VN074588.D
Acq: 19 Sep 2022 16:03

Tgt Ion:114 Resp: 488315

Ion	Ratio	Lower	Upper
114	100		
63	22.5	0.0	40.0
88	14.0	0.0	32.6



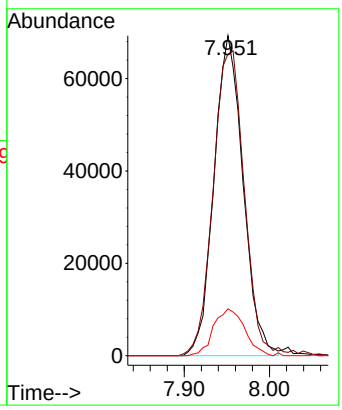


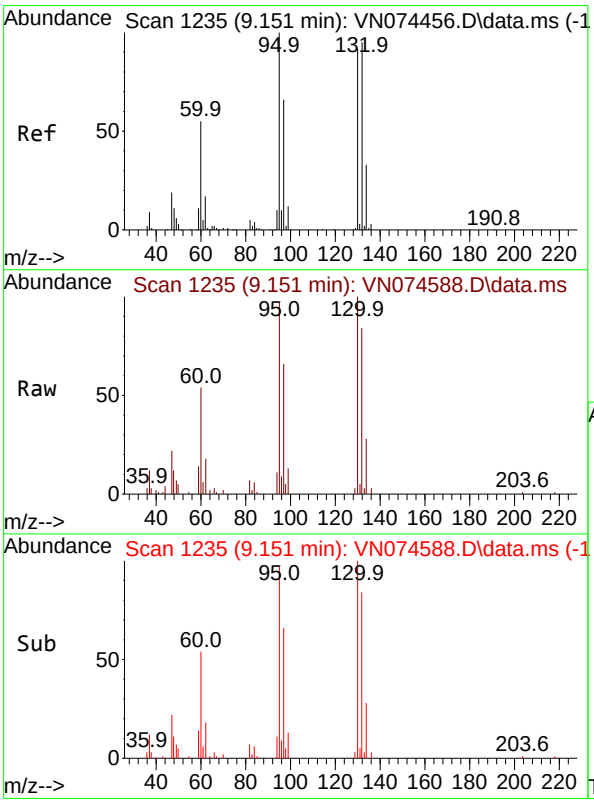
#35
Dibromofluoromethane
Concen: 50.603 ug/l
RT: 7.951 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074588.D
Acq: 19 Sep 2022 16:03

Instrument :
MSVOA_N
ClientSampleId :
1038-MW-17A(15.5)

Tgt Ion:113 Resp: 164146

Ion	Ratio	Lower	Upper
113	100		
111	101.9	81.4	122.0
192	15.6	17.0	25.6#

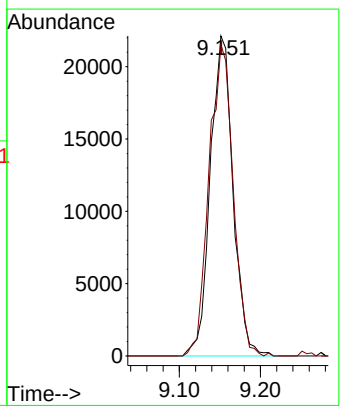


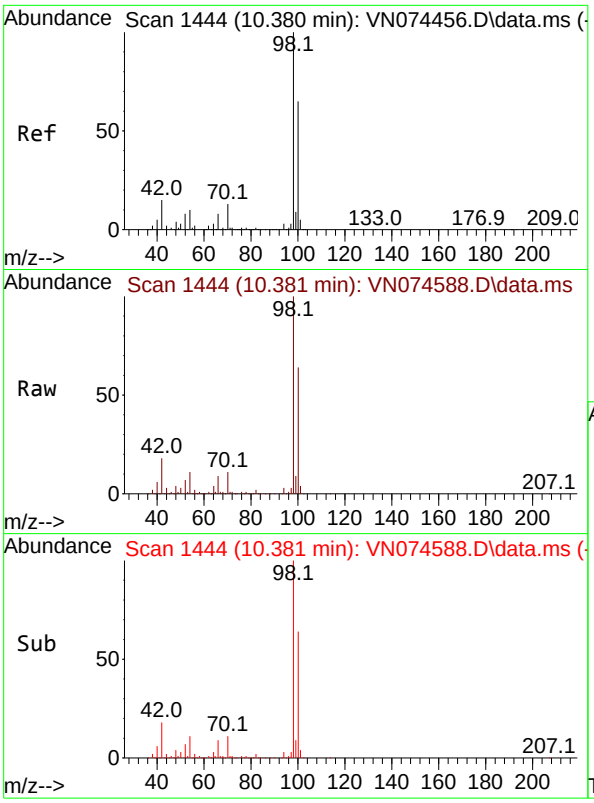


#44
Trichloroethene
Concen: 11.218 ug/l
RT: 9.151 min Scan# 1235
Delta R.T. 0.000 min
Lab File: VN074588.D
Acq: 19 Sep 2022 16:03

Tgt Ion:130 Resp: 43099

Ion	Ratio	Lower	Upper
130	100		
95	97.3	0.0	186.8



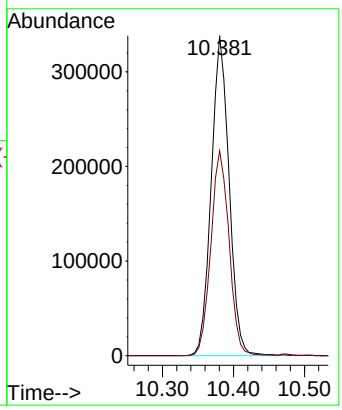


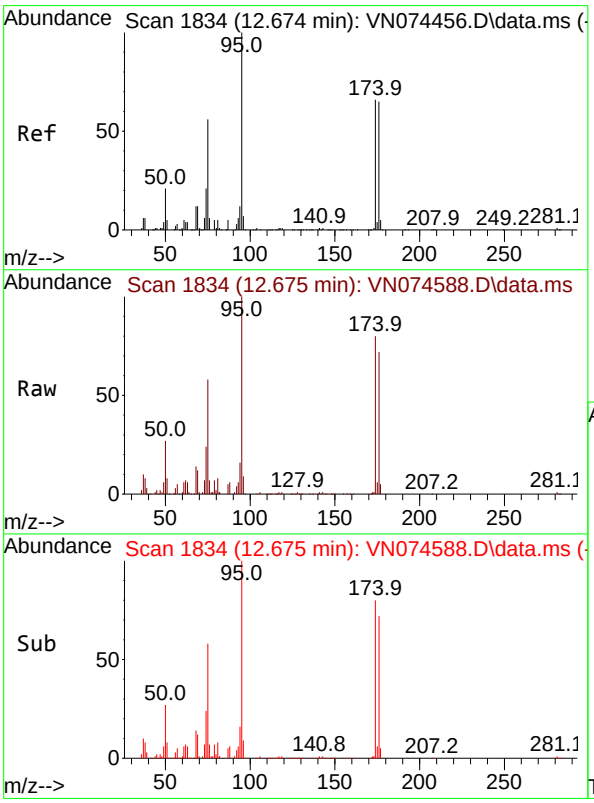
#50
Toluene-d8
Concen: 46.995 ug/l
RT: 10.381 min Scan# 14
Delta R.T. 0.001 min
Lab File: VN074588.D
Acq: 19 Sep 2022 16:03

Instrument :
MSVOA_N
ClientSampleId :
1038-MW-17A(15.5)

Tgt Ion: 98 Resp: 589554

Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.6	78.8

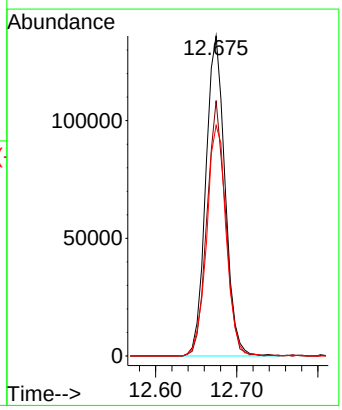


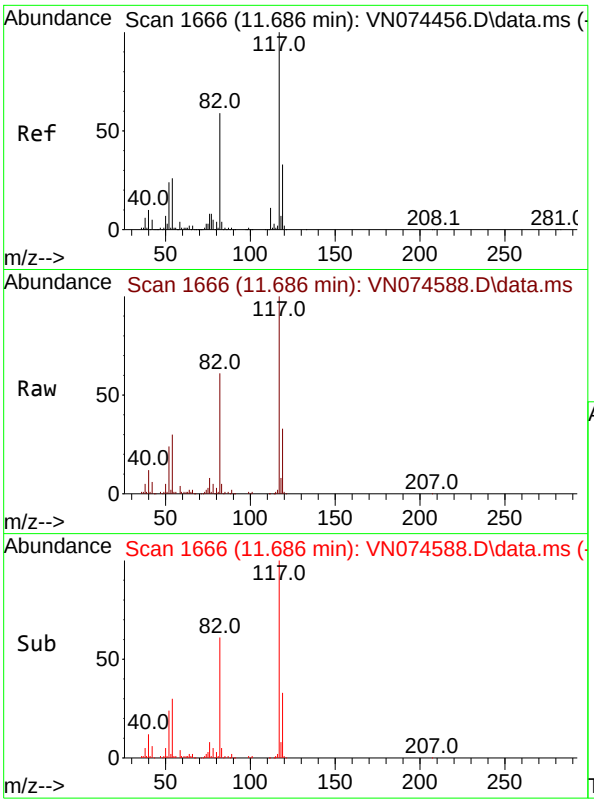


#62
4-Bromofluorobenzene
Concen: 51.872 ug/l
RT: 12.675 min Scan# 1834
Delta R.T. 0.001 min
Lab File: VN074588.D
Acq: 19 Sep 2022 16:03

Tgt Ion: 95 Resp: 222874

Ion	Ratio	Lower	Upper
95	100		
174	76.8	0.0	167.6
176	73.4	0.0	163.4



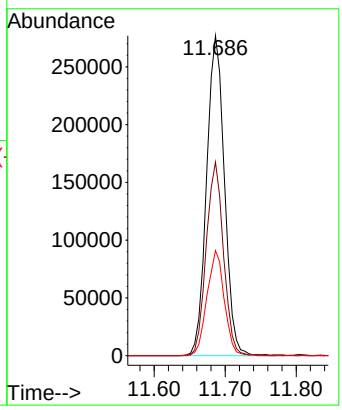


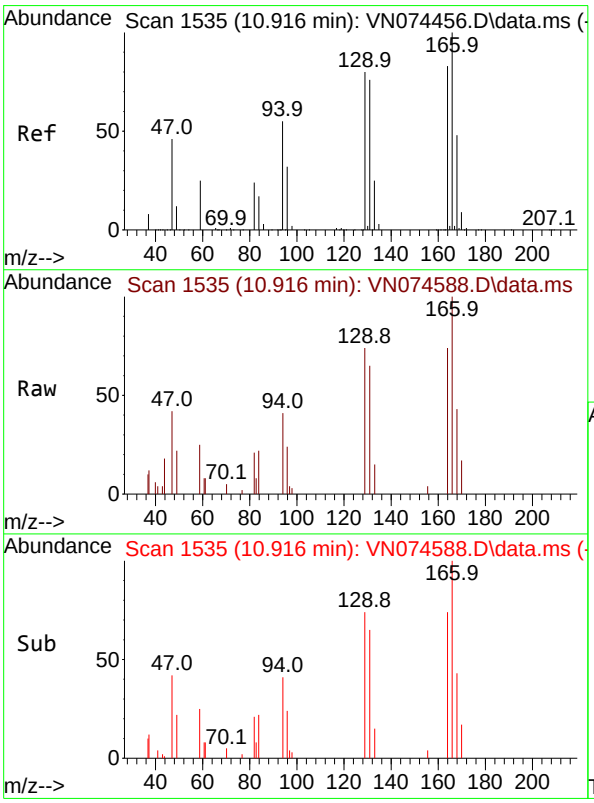
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VN074588.D
Acq: 19 Sep 2022 16:03

Instrument :
MSVOA_N
ClientSampleId :
1038-MW-17A(15.5)

Tgt Ion:117 Resp: 484186

Ion	Ratio	Lower	Upper
117	100		
82	60.5	44.2	66.2
119	32.8	25.4	38.0

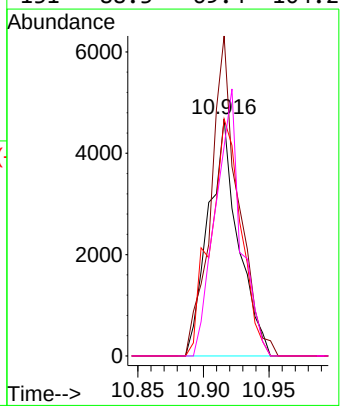


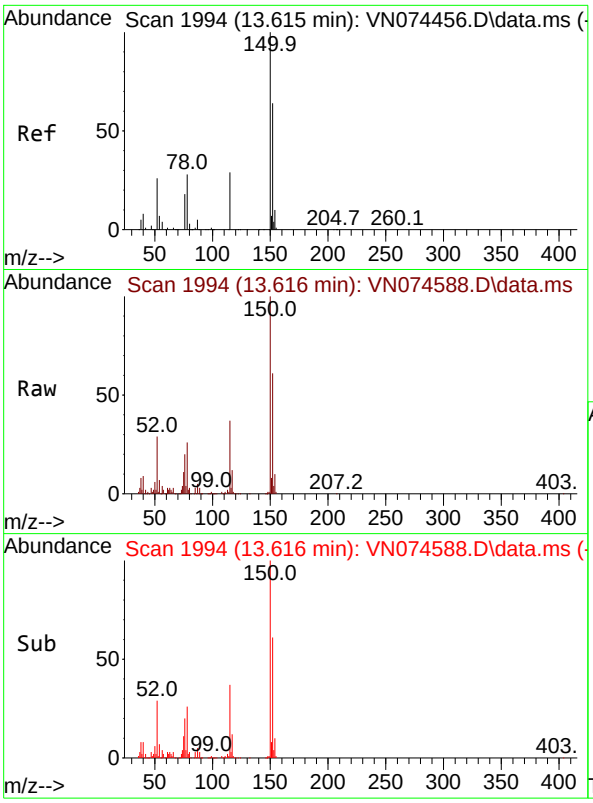


#64
Tetrachloroethene
Concen: 2.227 ug/l
RT: 10.916 min Scan# 1535
Delta R.T. -0.000 min
Lab File: VN074588.D
Acq: 19 Sep 2022 16:03

Tgt Ion:164 Resp: 7400

Ion	Ratio	Lower	Upper
164	100		
166	134.9	104.2	156.2
129	99.9	73.9	110.9
131	88.3	69.4	104.2



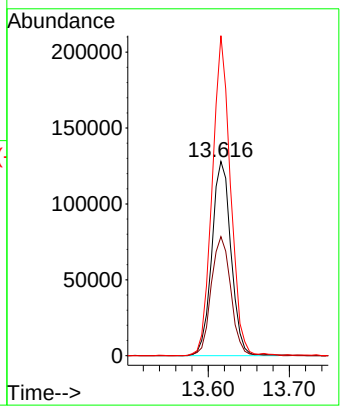


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1
Delta R.T. 0.001 min
Lab File: VN074588.D
Acq: 19 Sep 2022 16:03

Instrument :
MSVOA_N
ClientSampleId :
1038-MW-17A(15.5)

Tgt Ion:152 Resp: 210438

Ion	Ratio	Lower	Upper
152	100		
115	62.7	28.9	86.7
150	156.0	0.0	356.2



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091922\
Data File : VN074588.D
Acq On : 19 Sep 2022 16:03
Operator : JC\MD
Sample : N4647-07
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
1038-MW-17A(15.5)

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Title : SW846 8260

Signal : TIC: VN074588.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.199	46	53	60	rBV	218381	408969	23.95%	3.340%
2	2.405	83	88	95	rBV	97831	158554	9.29%	1.295%
3	2.693	132	137	142	rBV4	48106	121963	7.14%	0.996%
4	3.240	229	230	241	rVB6	32335	73318	4.29%	0.599%
5	4.222	390	397	407	rBV2	20015	59420	3.48%	0.485%
6	5.516	608	617	620	rBV6	7877	21431	1.26%	0.175%
7	7.251	899	912	924	rBV	626215	1707362	100.00%	13.945%
8	7.951	1022	1031	1036	rBV2	228564	552517	32.36%	4.513%
9	8.016	1036	1042	1053	rVB2	351903	811384	47.52%	6.627%
10	8.369	1092	1102	1114	rBV	269887	620751	36.36%	5.070%
11	8.904	1183	1193	1202	rBV	586583	1205765	70.62%	9.848%
12	9.151	1227	1235	1245	rVB2	134570	273041	15.99%	2.230%
13	10.381	1436	1444	1452	rBV	944354	1670198	97.82%	13.641%
14	10.916	1528	1535	1542	rBV4	41748	72977	4.27%	0.596%
15	11.686	1657	1666	1677	rBV	958176	1663064	97.41%	13.583%
16	12.675	1827	1834	1844	rBV	776317	1278460	74.88%	10.442%
17	13.616	1986	1994	2002	rBV	904622	1505815	88.20%	12.298%
18	13.710	2006	2010	2017	rVB4	20773	38940	2.28%	0.318%

Sum of corrected areas: 12243929

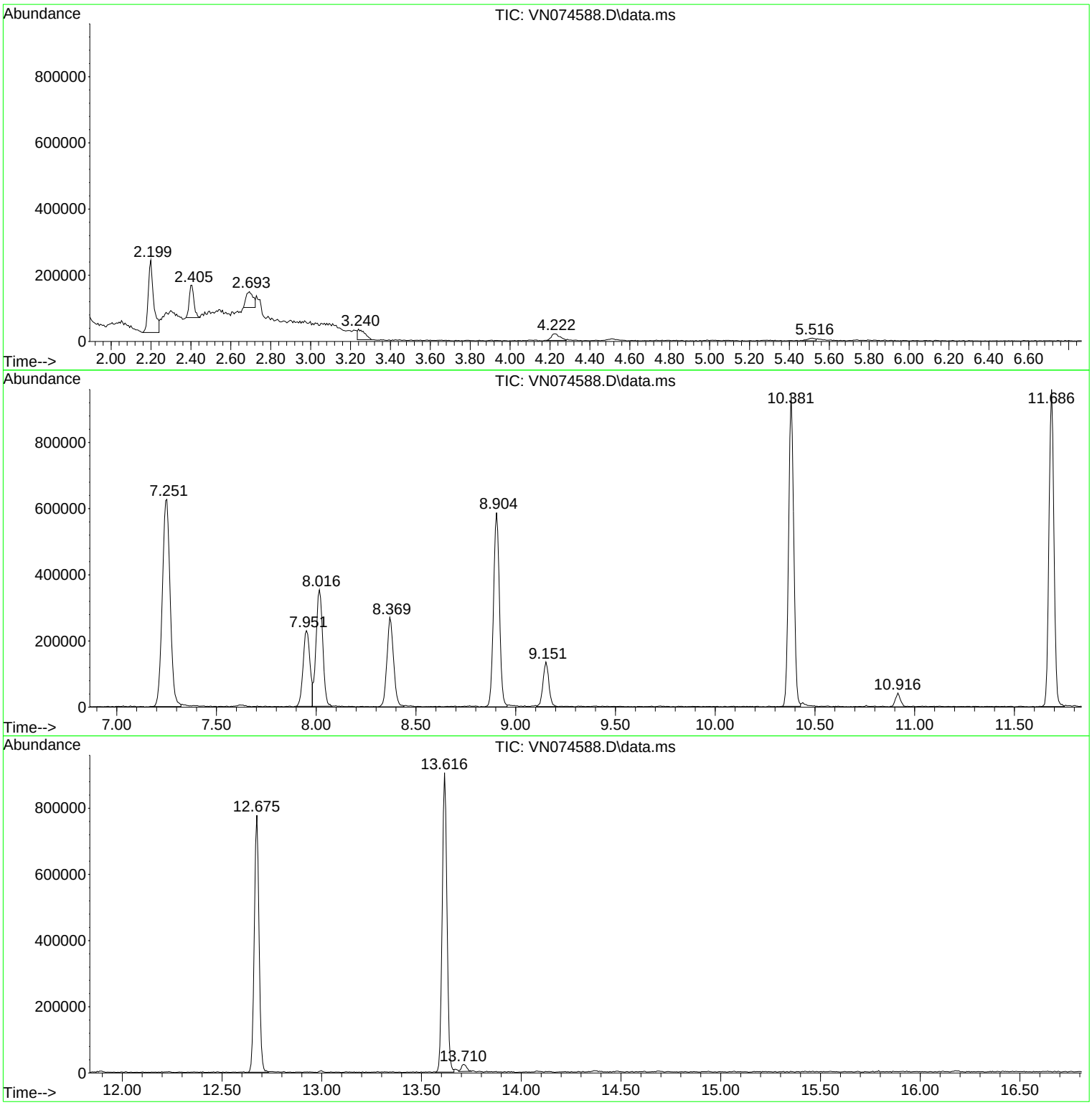
Sample Results: **VN074588.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091922\
Data File : VN074588.D
Acq On : 19 Sep 2022 16:03
Operator : JC\MD
Sample : N4647-07
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
1038-MW-17A(15.5)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091922\
Data File : VN074588.D
Acq On : 19 Sep 2022 16:03
Operator : JC\MD
Sample : N4647-07
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
1038-MW-17A(15.5)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected

****

Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091922\
Data File : VN074588.D
Acq On : 19 Sep 2022 16:03
Operator : JC\MD
Sample : N4647-07
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
1038-MW-17A(15.5)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	Internal Standard RT	Internal Standard Resp	Internal Standard Conc

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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/08/22
Project:	Andrews St. Site	Date Received:	09/12/22
Client Sample ID:	1039-FB090822	SDG No.:	N4647
Lab Sample ID:	N4647-08	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN074587.D	1		09/19/22 15:39	VN091922

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.17	1.00	ug/L
74-87-3	Chloromethane	1.00	UQ	0.20	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	UQ	0.22	1.00	ug/L
74-83-9	Bromomethane	5.00	UQ	1.60	5.00	ug/L
75-00-3	Chloroethane	1.00	UQ	0.26	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.20	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.17	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.23	1.00	ug/L
67-64-1	Acetone	29.3		1.20	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.26	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.18	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.53	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.20	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.20	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.20	5.00	ug/L
78-93-3	2-Butanone	3.90	J	0.82	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.18	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00	U	0.17	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.19	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.18	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.18	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.13	1.00	ug/L
71-43-2	Benzene	1.00	U	0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.18	1.00	ug/L
79-01-6	Trichloroethene	1.00	U	0.27	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.17	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.18	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	UQ	0.87	5.00	ug/L
108-88-3	Toluene	1.00		0.17	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.14	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.16	1.00	ug/L

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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/08/22
Project:	Andrews St. Site	Date Received:	09/12/22
Client Sample ID:	1039-FB090822	SDG No.:	N4647
Lab Sample ID:	N4647-08	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN074587.D	1		09/19/22 15:39	VN091922

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1.00	U	0.19	1.00	ug/L
591-78-6	2-Hexanone	5.00	UQ	0.76	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.14	1.00	ug/L
127-18-4	Tetrachloroethene	1.00	U	0.18	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.17	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.17	1.00	ug/L
179601-23-1	m/p-Xylenes	2.00	U	0.33	2.00	ug/L
95-47-6	o-Xylene	1.00	U	0.18	1.00	ug/L
100-42-5	Styrene	1.00	U	0.13	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.16	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.19	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.23	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.20	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.17	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.42	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.23	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.33	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.7		74 - 125	95%	SPK: 50
1868-53-7	Dibromofluoromethane	51.8		75 - 124	104%	SPK: 50
2037-26-5	Toluene-d8	48.9		86 - 113	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.5		83 - 123	109%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	244000	8.022			
540-36-3	1,4-Difluorobenzene	472000	8.904			
3114-55-4	Chlorobenzene-d5	484000	11.686			
3855-82-1	1,4-Dichlorobenzene-d4	211000	13.616			
TENTATIVE IDENTIFIED COMPOUNDS						
007446-09-5	Sulfur dioxide	22.4	JB		2.20	ug/L
071552-23-3	2,4,6-Triamino-5-pyrimidinyl hydro	7.20	J		2.69	ug/L
000104-76-7	1-Hexanol, 2-ethyl-	61.2	J		13.7	ug/L

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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/08/22
Project:	Andrews St. Site	Date Received:	09/12/22
Client Sample ID:	1039-FB090822	SDG No.:	N4647
Lab Sample ID:	N4647-08	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN074587.D	1		09/19/22 15:39	VN091922

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091922\
Data File : VN074587.D
Acq On : 19 Sep 2022 15:39
Operator : JC\MD
Sample : N4647-08
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
1039-FB090822

Quant Time: Sep 20 04:20:05 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 15 19:20:33 2022
Response via : Initial Calibration

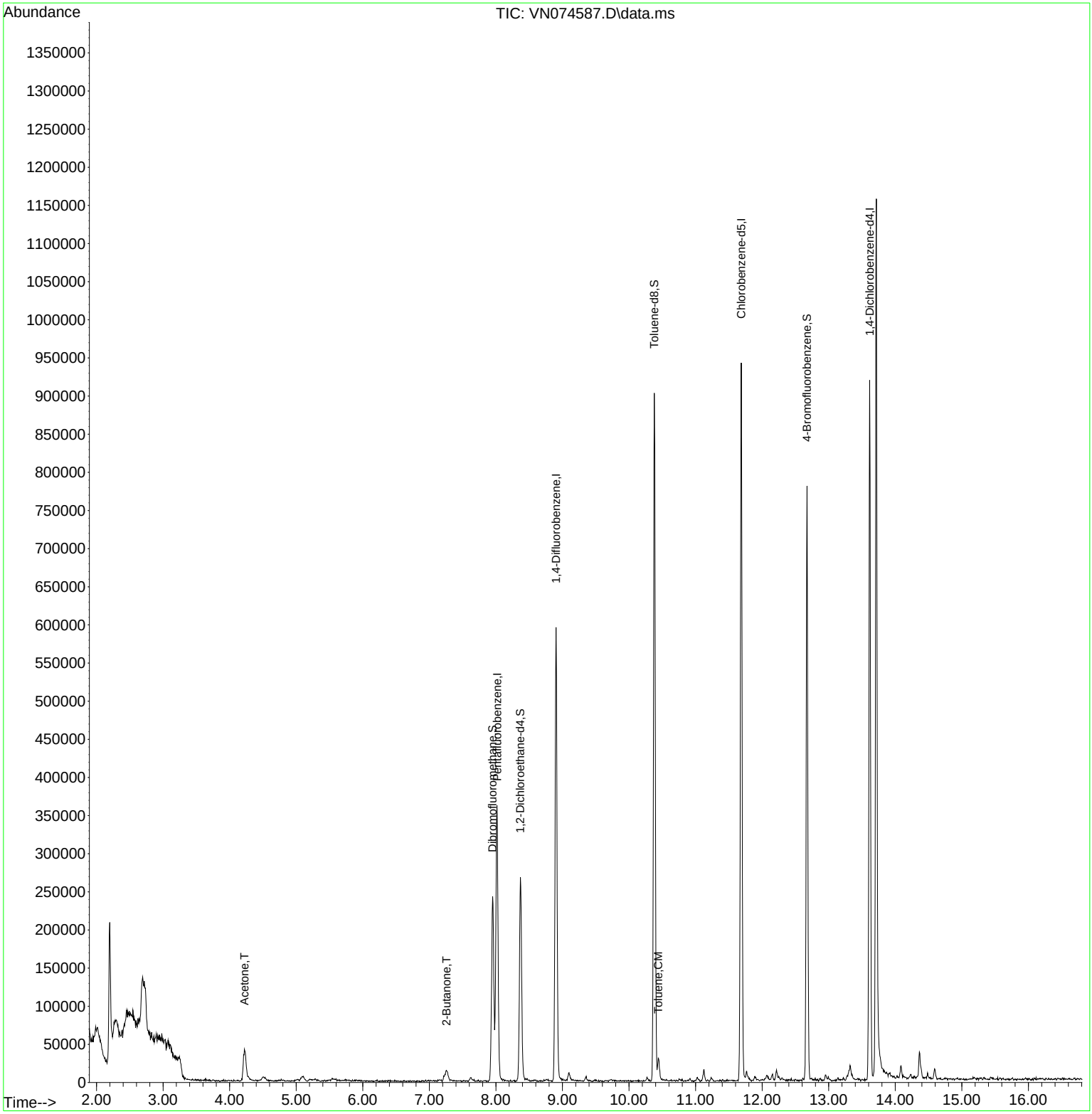
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.022	168	244005	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	472326	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	484263	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	211078	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	197644	47.739	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 95.480%			
35) Dibromofluoromethane	7.951	113	162624	51.831	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.660%			
50) Toluene-d8	10.380	98	593587	48.919	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.840%			
62) 4-Bromofluorobenzene	12.674	95	226626	54.531	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 109.060%			
Target Compounds						Qvalue
16) Acetone	4.222	43	77735	29.342	ug/l	90
25) 2-Butanone	7.257	43	17164	3.902	ug/l #	68
52) Toluene	10.439	92	10337	1.026	ug/l	100

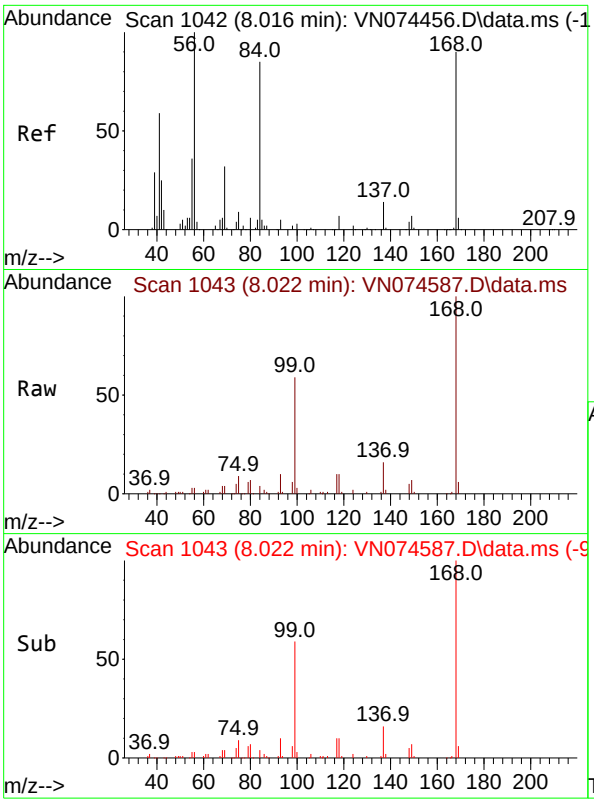
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091922\
Data File : VN074587.D
Acq On : 19 Sep 2022 15:39
Operator : JC\MD
Sample : N4647-08
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
1039-FB090822

Quant Time: Sep 20 04:20:05 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 15 19:20:33 2022
Response via : Initial Calibration



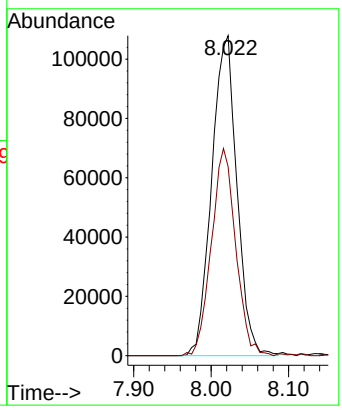


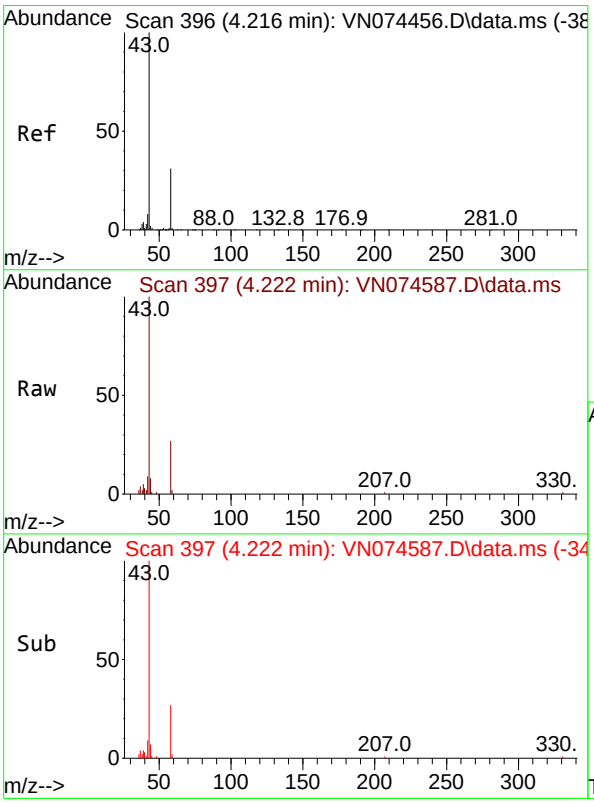
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.022 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN074587.D
Acq: 19 Sep 2022 15:39

Instrument :
MSVOA_N
ClientSampleId :
1039-FB090822

Tgt Ion:168 Resp: 244005

Ion	Ratio	Lower	Upper
168	100		
99	59.0	42.3	63.5

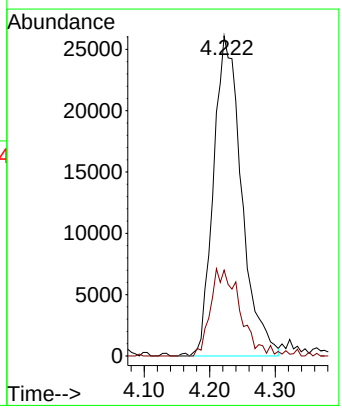


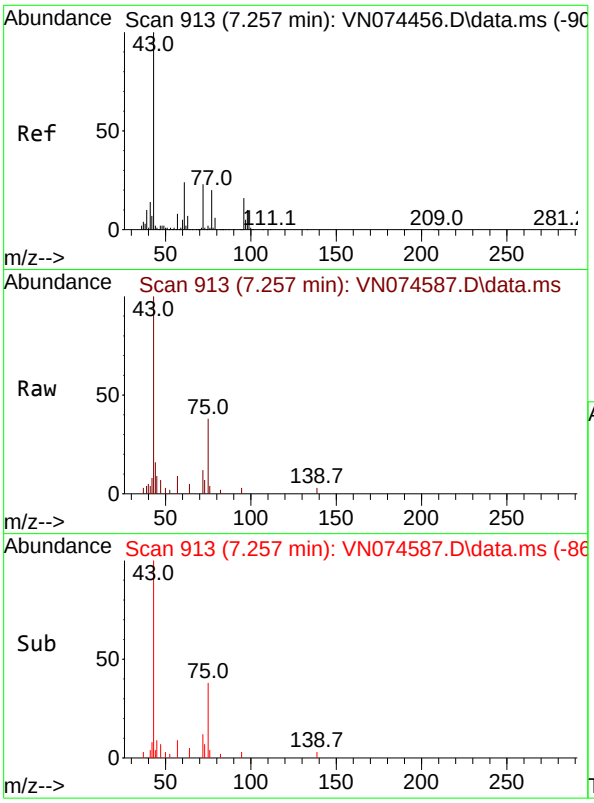


#16
Acetone
Concen: 29.342 ug/l
RT: 4.222 min Scan# 397
Delta R.T. 0.006 min
Lab File: VN074587.D
Acq: 19 Sep 2022 15:39

Tgt Ion: 43 Resp: 77735

Ion	Ratio	Lower	Upper
43	100		
58	26.8	26.0	39.0



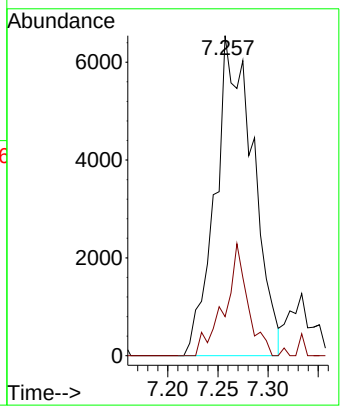


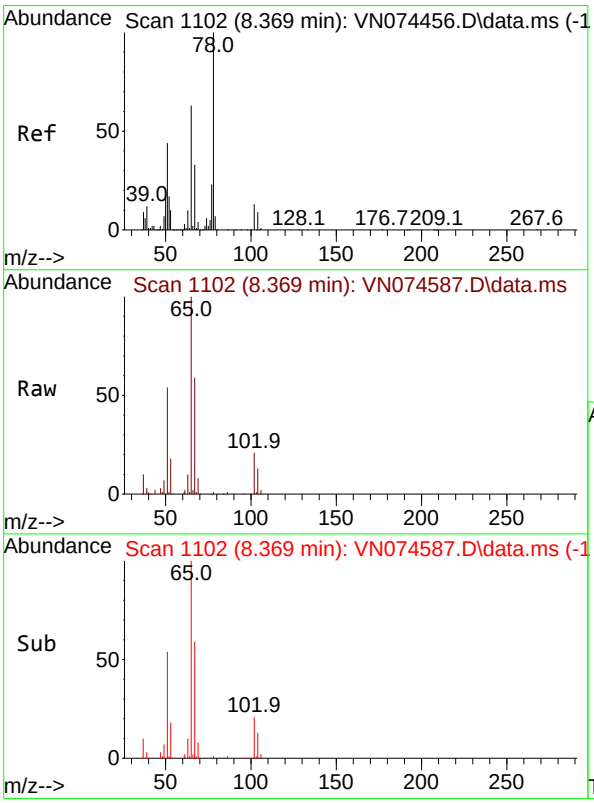
#25
2-Butanone
Concen: 3.902 ug/l
RT: 7.257 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN074587.D
Acq: 19 Sep 2022 15:39

Instrument :
MSVOA_N
ClientSampleId :
1039-FB090822

Tgt Ion: 43 Resp: 17164

Ion	Ratio	Lower	Upper
43	100		
72	12.2	23.7	35.5#

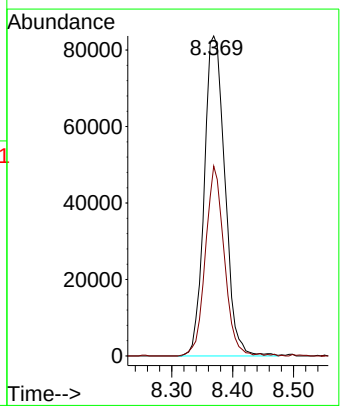


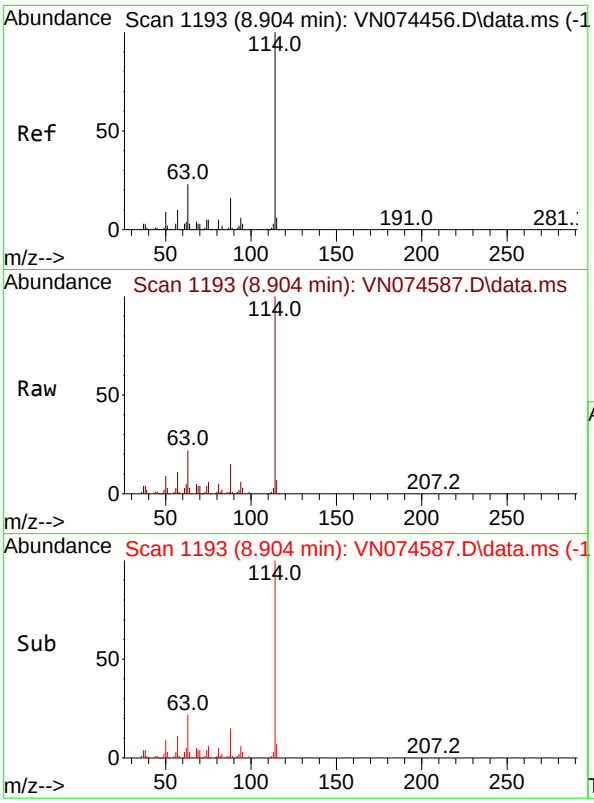


#33
1,2-Dichloroethane-d4
Concen: 47.739 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VN074587.D
Acq: 19 Sep 2022 15:39

Tgt Ion: 65 Resp: 197644

Ion	Ratio	Lower	Upper
65	100		
67	54.0	0.0	104.8



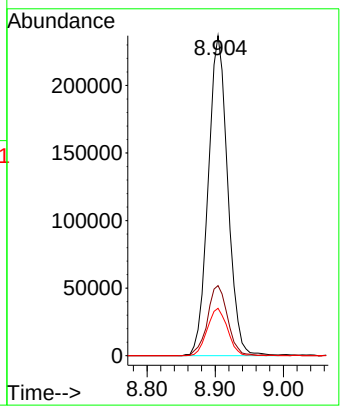


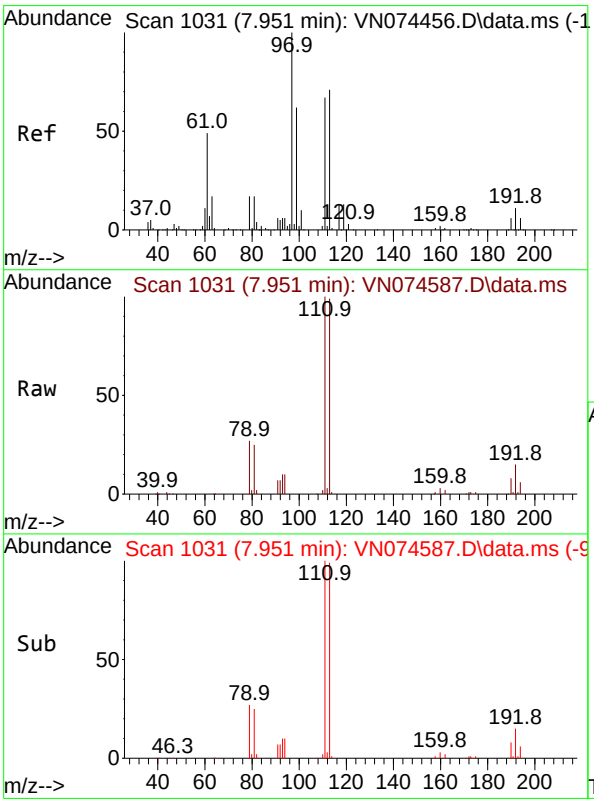
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN074587.D
Acq: 19 Sep 2022 15:39

Instrument :
MSVOA_N
ClientSampleId :
1039-FB090822

Tgt Ion:114 Resp: 472326

Ion	Ratio	Lower	Upper
114	100		
63	21.9	0.0	40.0
88	14.8	0.0	32.6

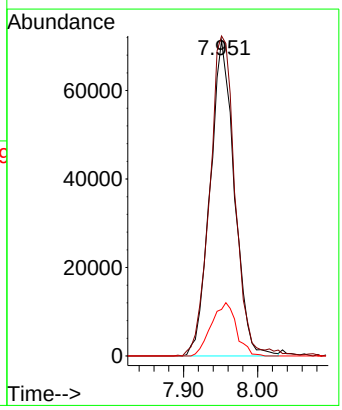


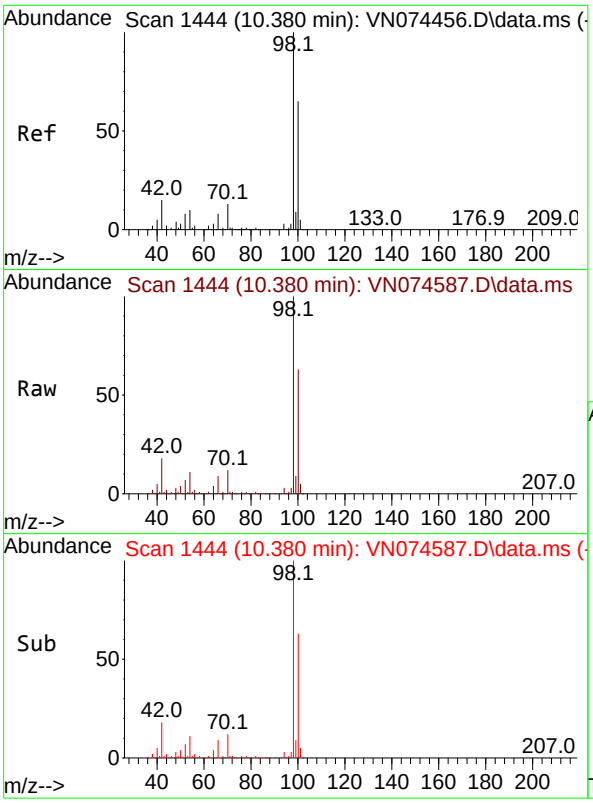


#35
Dibromofluoromethane
Concen: 51.831 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VN074587.D
Acq: 19 Sep 2022 15:39

Tgt Ion:113 Resp: 162624

Ion	Ratio	Lower	Upper
113	100		
111	106.0	81.4	122.0
192	17.4	17.0	25.6



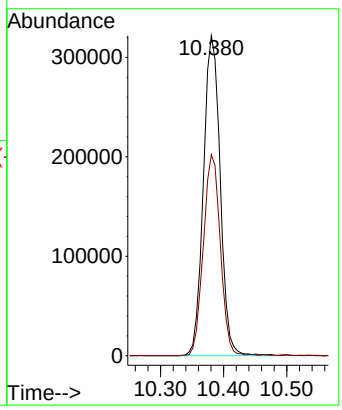


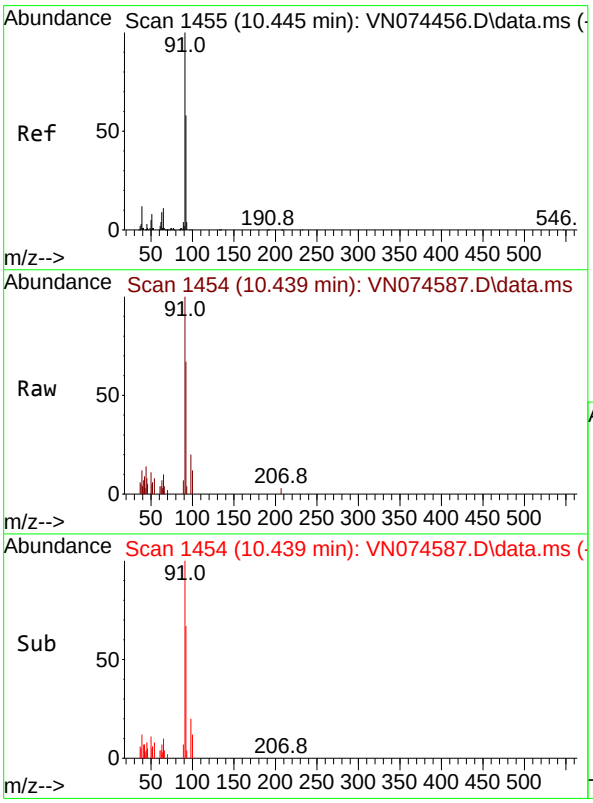
#50
Toluene-d8
Concen: 48.919 ug/l
RT: 10.380 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN074587.D
Acq: 19 Sep 2022 15:39

Instrument :
MSVOA_N
ClientSampleId :
1039-FB090822

Tgt Ion: 98 Resp: 593587

Ion	Ratio	Lower	Upper
98	100		
100	63.5	52.6	78.8

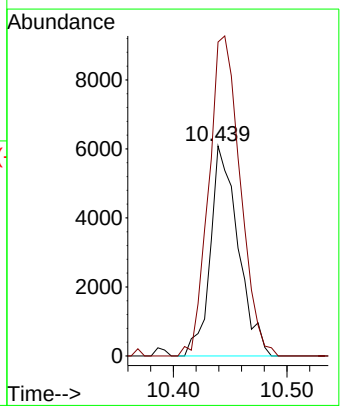


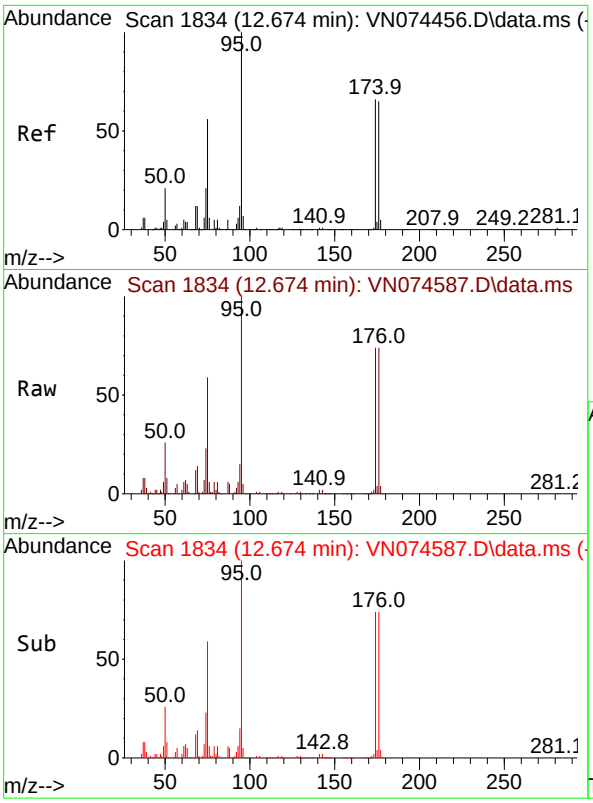


#52
Toluene
Concen: 1.026 ug/l
RT: 10.439 min Scan# 1454
Delta R.T. -0.006 min
Lab File: VN074587.D
Acq: 19 Sep 2022 15:39

Tgt Ion: 92 Resp: 10337

Ion	Ratio	Lower	Upper
92	100		
91	172.8	138.6	207.8



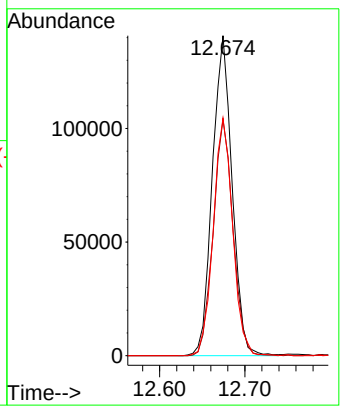


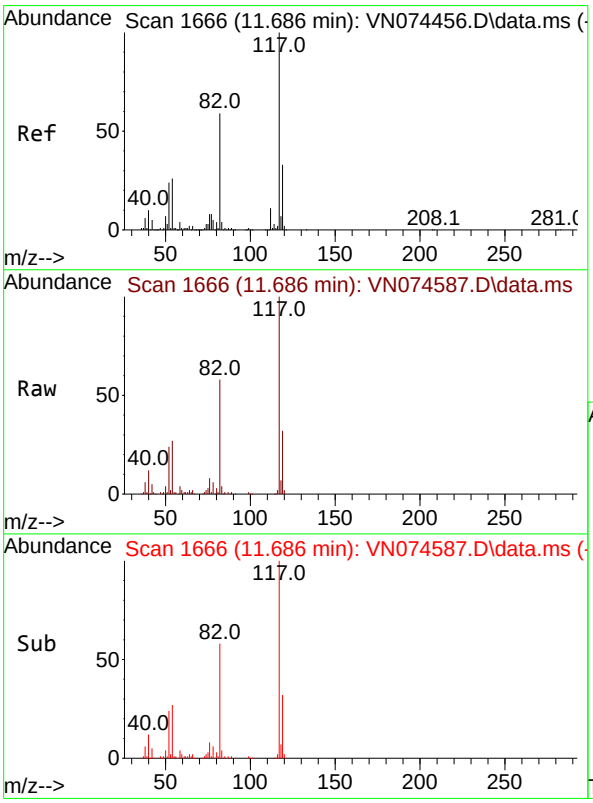
#62
4-Bromofluorobenzene
Concen: 54.531 ug/l
RT: 12.674 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074587.D
Acq: 19 Sep 2022 15:39

Instrument :
MSVOA_N
ClientSampleId :
1039-FB090822

Tgt Ion: 95 Resp: 226626

Ion	Ratio	Lower	Upper
95	100		
174	73.9	0.0	167.6
176	73.0	0.0	163.4

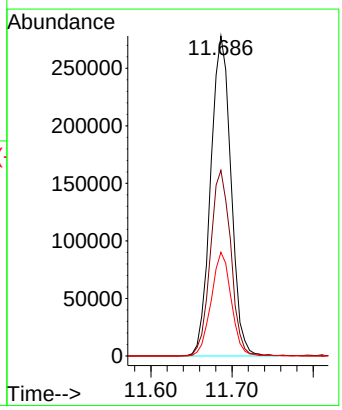


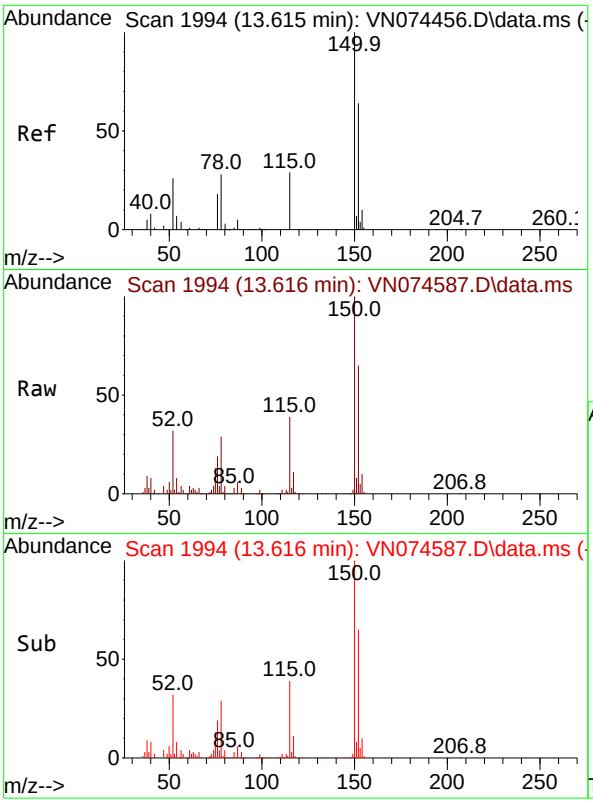


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN074587.D
Acq: 19 Sep 2022 15:39

Tgt Ion:117 Resp: 484263

Ion	Ratio	Lower	Upper
117	100		
82	58.0	44.2	66.2
119	32.4	25.4	38.0



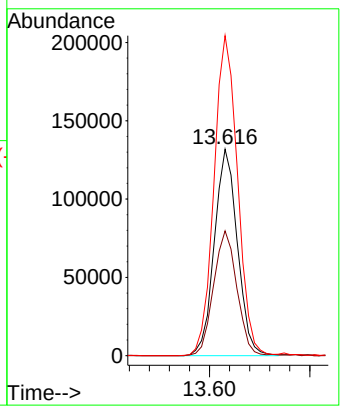


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1
Delta R.T. 0.001 min
Lab File: VN074587.D
Acq: 19 Sep 2022 15:39

Instrument :
MSVOA_N
ClientSampleId :
1039-FB090822

Tgt Ion:152 Resp: 211078

Ion	Ratio	Lower	Upper
152	100		
115	61.5	28.9	86.7
150	158.0	0.0	356.2



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091922\
Data File : VN074587.D
Acq On : 19 Sep 2022 15:39
Operator : JC\MD
Sample : N4647-08
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
1039-FB090822

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Title : SW846 8260

Signal : TIC: VN074587.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.199	46	53	60	rBV	184941	367242	19.99%	3.049%
2	2.416	86	90	91	rBV4	17695	23515	1.28%	0.195%
3	2.693	131	137	140	rBV2	52380	117734	6.41%	0.977%
4	4.222	391	397	406	rBV3	39644	112932	6.15%	0.937%
5	7.257	907	913	922	rVB4	13579	41338	2.25%	0.343%
6	7.951	1023	1031	1036	rBV2	240878	558567	30.41%	4.637%
7	8.016	1036	1042	1053	rVB2	359418	820048	44.64%	6.808%
8	8.369	1092	1102	1113	rBV2	267045	612841	33.36%	5.087%
9	8.904	1184	1193	1203	rBV	595336	1203912	65.53%	9.994%
10	9.098	1221	1226	1234	rVB2	10260	20683	1.13%	0.172%
11	10.380	1435	1444	1451	rBV	902288	1668040	90.80%	13.847%
12	10.439	1451	1454	1463	rVB2	28580	56664	3.08%	0.470%
13	11.127	1565	1571	1578	rVB4	15075	25039	1.36%	0.208%
14	11.686	1658	1666	1676	rBV	941488	1648153	89.72%	13.682%
15	12.216	1751	1756	1760	rBV2	13518	21986	1.20%	0.183%
16	12.674	1826	1834	1842	rBV	778760	1264775	68.85%	10.499%
17	13.321	1938	1944	1948	rBV5	14044	25260	1.38%	0.210%
18	13.616	1987	1994	2001	rBV	917319	1501317	81.72%	12.463%
19	13.715	2003	2011	2025	rBV	1150164	1837059	100.00%	15.250%
20	14.086	2069	2074	2078	rBV6	15884	25870	1.41%	0.215%
21	14.363	2116	2121	2130	rVB3	34213	68476	3.73%	0.568%
22	14.592	2155	2160	2166	rVB4	13863	24701	1.34%	0.205%

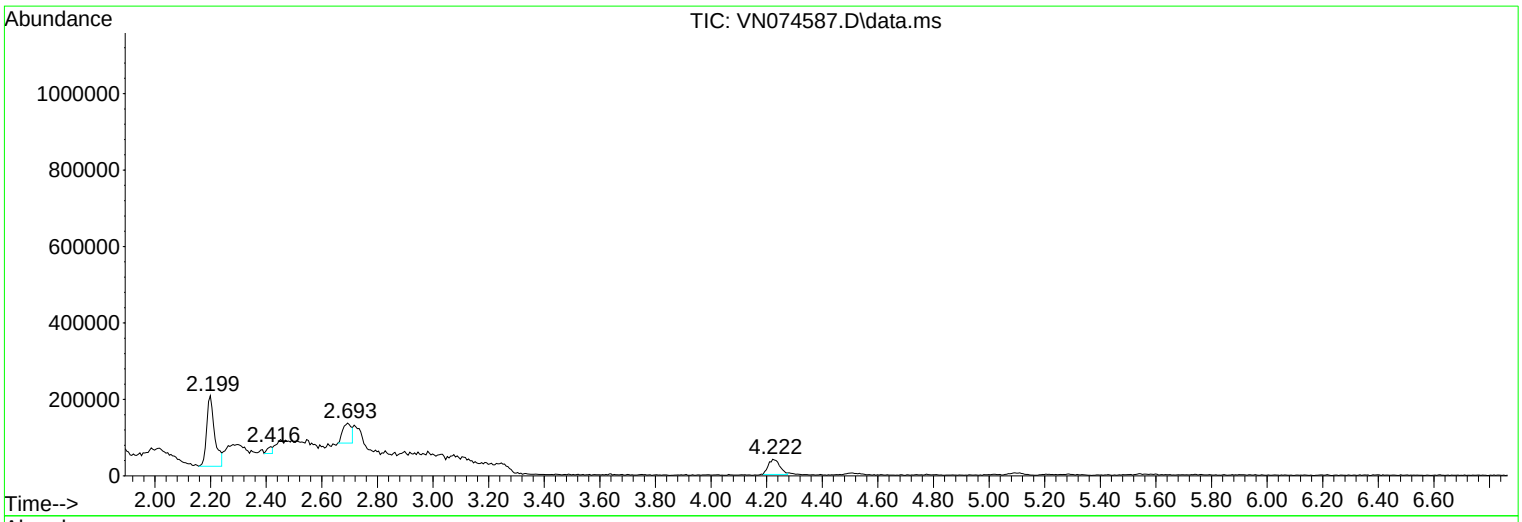
Sum of corrected areas: 12046152

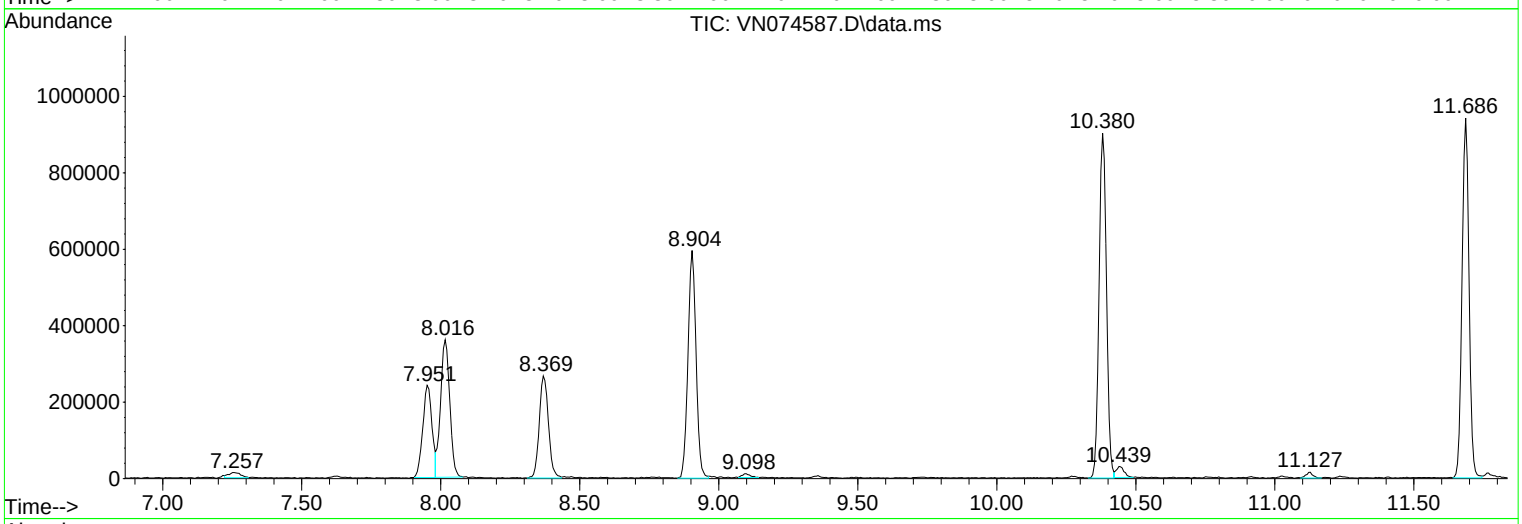
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091922\
Data File : VN074587.D
Acq On : 19 Sep 2022 15:39
Operator : JC\MD
Sample : N4647-08
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

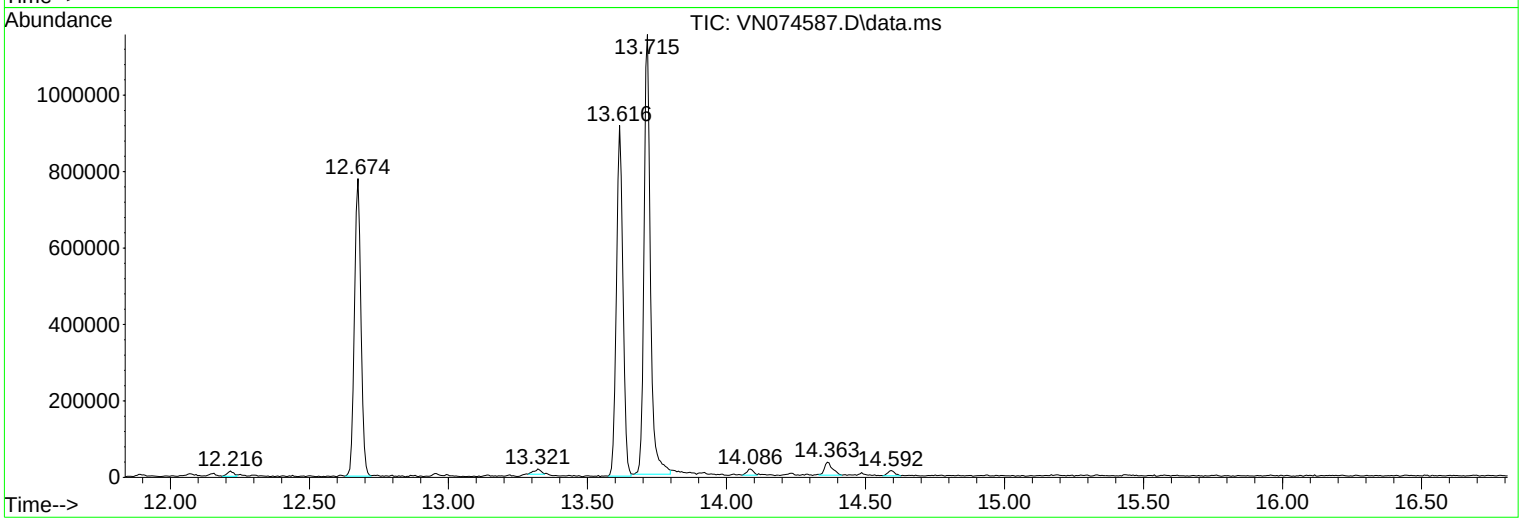
Instrument :
MSVOA_N
ClientSampleId :
1039-FB090822

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091922\
Data File : VN074587.D
Acq On : 19 Sep 2022 15:39
Operator : JC\MD
Sample : N4647-08
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
1039-FB090822

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260

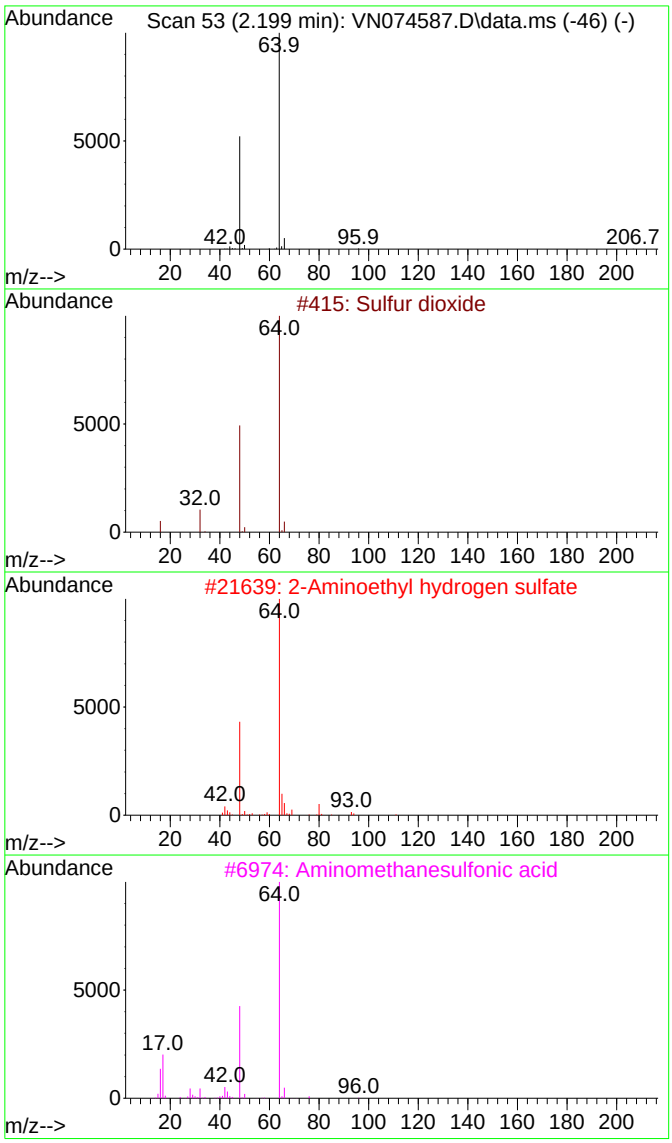
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

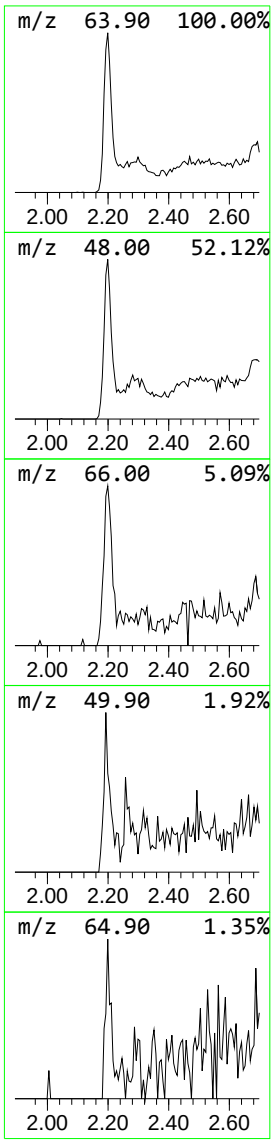
****

Peak Number 1 Sulfur dioxide Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.199	22.39 ug/l	367242	Pentafluorobenzene	8.022

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfur dioxide	64	O2S	007446-09-5	90
2	2-Aminoethyl hydrogen sulfate	141	C2H7NO4S	000926-39-6	83
3	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	74
4	L-Alanine, 3-sulfo-	169	C3H7NO5S	000498-40-8	64
5	(N-(-2-Acetamido))-2-aminoethane...	182	C4H10N2O4S	007365-82-4	9





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091922\
Data File : VN074587.D
Acq On : 19 Sep 2022 15:39
Operator : JC\MD
Sample : N4647-08
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
1039-FB090822

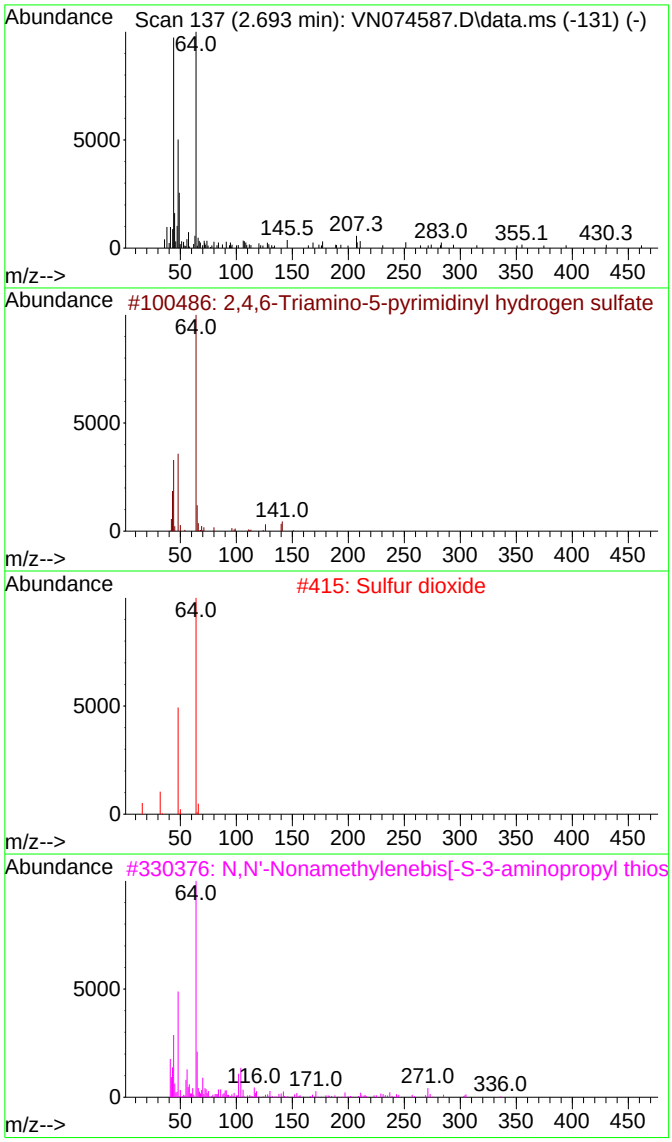
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260

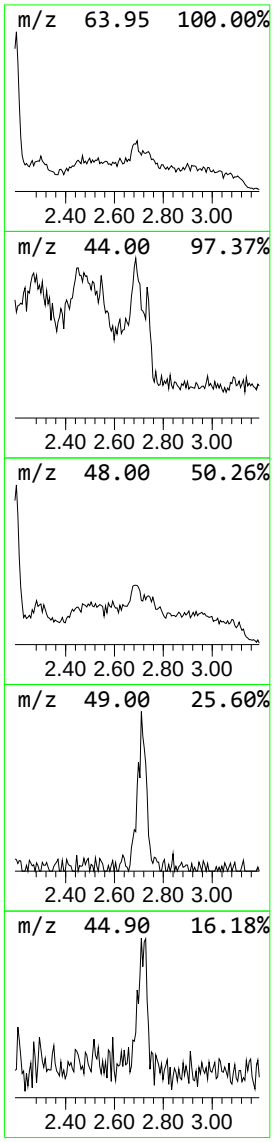
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 2,4,6-Triamino-5-pyrimidiny... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.693	7.18 ug/l	117734	Pentafluorobenzene	8.022

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,6-Triamino-5-pyrimidinyl hyd...	221	C4H7N5O4S	071552-23-3	53
2	Sulfur dioxide	64	O2S	007446-09-5	52
3	N,N'-Nonamethylenebis[-S-3-amino...	466	C15H34N2O6S4	035871-58-0	42
4	2-[N-[1,4-Benzodioxan-2-methyl]]...	305	C11H15NO5S2	060311-26-4	39
5	Ethyl Chloride	64	C2H5Cl	000075-00-3	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091922\
Data File : VN074587.D
Acq On : 19 Sep 2022 15:39
Operator : JC\MD
Sample : N4647-08
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
1039-FB090822

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260

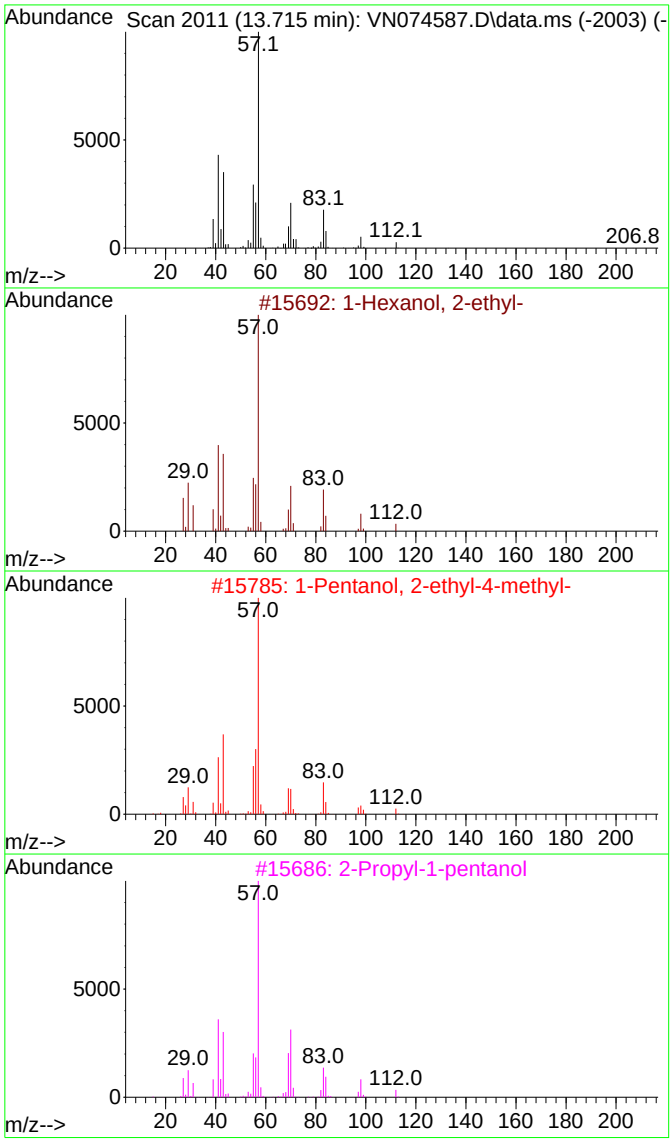
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

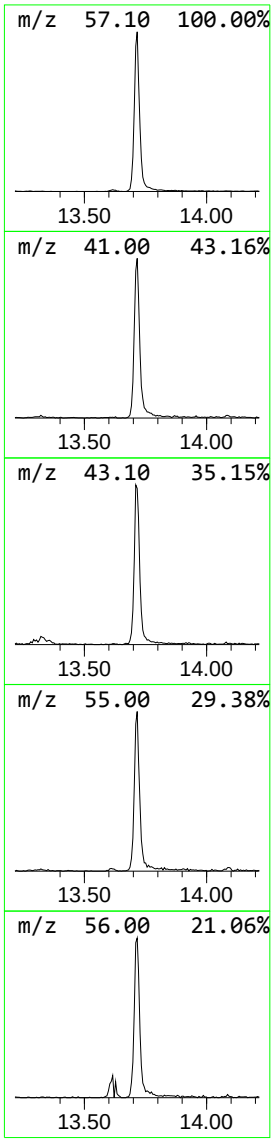
****

Peak Number 3 1-Hexanol, 2-ethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.716	61.18 ug/l	1837060	1,4-Dichlorobenzene-d4	13.616

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	78
2	1-Pentanol, 2-ethyl-4-methyl-	130	C8H18O	000106-67-2	50
3	2-Propyl-1-pentanol	130	C8H18O	058175-57-8	50
4	Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	45
5	Heptane, 1,1'-oxybis-	214	C14H30O	000629-64-1	45





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091922\
Data File : VN074587.D
Acq On : 19 Sep 2022 15:39
Operator : JC\MD
Sample : N4647-08
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
1039-FB090822

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Sulfur dioxide	2.199	22.4	ug/l	367242	1	8.022	820048	50.0
2,4,6-Triamino-...	2.693	7.2	ug/l	117734	1	8.022	820048	50.0
1-Hexanol, 2-et...	13.716	61.2	ug/l	1837060	4	13.616	1501320	50.0

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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/08/22
Project:	Andrews St. Site	Date Received:	09/12/22
Client Sample ID:	1040-TB090822	SDG No.:	N4647
Lab Sample ID:	N4647-09	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN074586.D	1		09/19/22 15:14	VN091922

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.17	1.00	ug/L
74-87-3	Chloromethane	1.00	UQ	0.20	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	UQ	0.22	1.00	ug/L
74-83-9	Bromomethane	5.00	UQ	1.60	5.00	ug/L
75-00-3	Chloroethane	1.00	UQ	0.26	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.20	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.17	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.23	1.00	ug/L
67-64-1	Acetone	5.00	U	1.20	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.26	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.18	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.53	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.20	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.20	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.20	5.00	ug/L
78-93-3	2-Butanone	5.00	U	0.82	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.18	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00	U	0.17	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.19	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.18	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.18	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.13	1.00	ug/L
71-43-2	Benzene	1.00	U	0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.18	1.00	ug/L
79-01-6	Trichloroethene	1.00	U	0.27	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.17	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.18	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	UQ	0.87	5.00	ug/L
108-88-3	Toluene	1.00	U	0.17	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.14	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.16	1.00	ug/L

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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/08/22
Project:	Andrews St. Site	Date Received:	09/12/22
Client Sample ID:	1040-TB090822	SDG No.:	N4647
Lab Sample ID:	N4647-09	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN074586.D	1		09/19/22 15:14	VN091922

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1.00	U	0.19	1.00	ug/L
591-78-6	2-Hexanone	5.00	UQ	0.76	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.14	1.00	ug/L
127-18-4	Tetrachloroethene	1.00	U	0.18	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.17	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.17	1.00	ug/L
179601-23-1	m/p-Xylenes	2.00	U	0.33	2.00	ug/L
95-47-6	o-Xylene	1.00	U	0.18	1.00	ug/L
100-42-5	Styrene	1.00	U	0.13	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.16	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.19	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.23	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.20	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.17	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.42	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.23	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.33	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46.9		74 - 125	94%	SPK: 50
1868-53-7	Dibromofluoromethane	50.5		75 - 124	101%	SPK: 50
2037-26-5	Toluene-d8	47.9		86 - 113	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.5		83 - 123	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	252000	8.016			
540-36-3	1,4-Difluorobenzene	490000	8.904			
3114-55-4	Chlorobenzene-d5	490000	11.686			
3855-82-1	1,4-Dichlorobenzene-d4	200000	13.616			
TENTATIVE IDENTIFIED COMPOUNDS						
007446-09-5	Sulfur dioxide	19.2	JB		2.20	ug/L
071525-41-2	4,6-Diamino-5-pyrimidinyl hydrogen	9.20	J		2.69	ug/L

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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/08/22
Project:	Andrews St. Site	Date Received:	09/12/22
Client Sample ID:	1040-TB090822	SDG No.:	N4647
Lab Sample ID:	N4647-09	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN074586.D	1		09/19/22 15:14	VN091922

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091922\
Data File : VN074586.D
Acq On : 19 Sep 2022 15:14
Operator : JC\MD
Sample : N4647-09
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
1040-TB090822

Quant Time: Sep 20 04:19:56 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 15 19:20:33 2022
Response via : Initial Calibration

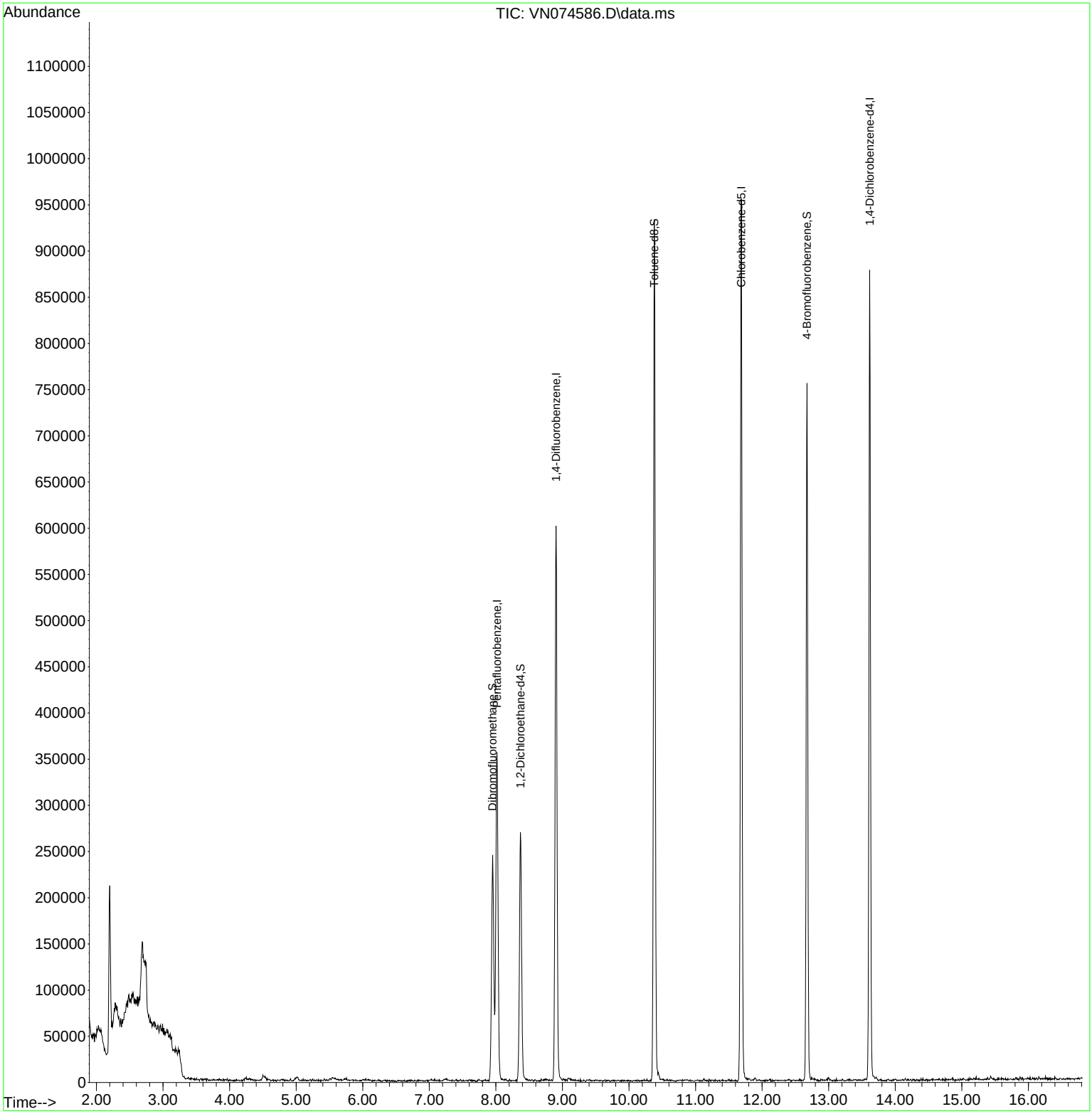
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.016	168	252384	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	489890	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	490017	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	199869	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	200691	46.865	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 93.740%			
35) Dibromofluoromethane	7.951	113	164477	50.542	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.080%			
50) Toluene-d8	10.381	98	603216	47.930	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 95.860%			
62) 4-Bromofluorobenzene	12.674	95	221982	51.499	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.000%			
Target Compounds						Qvalue

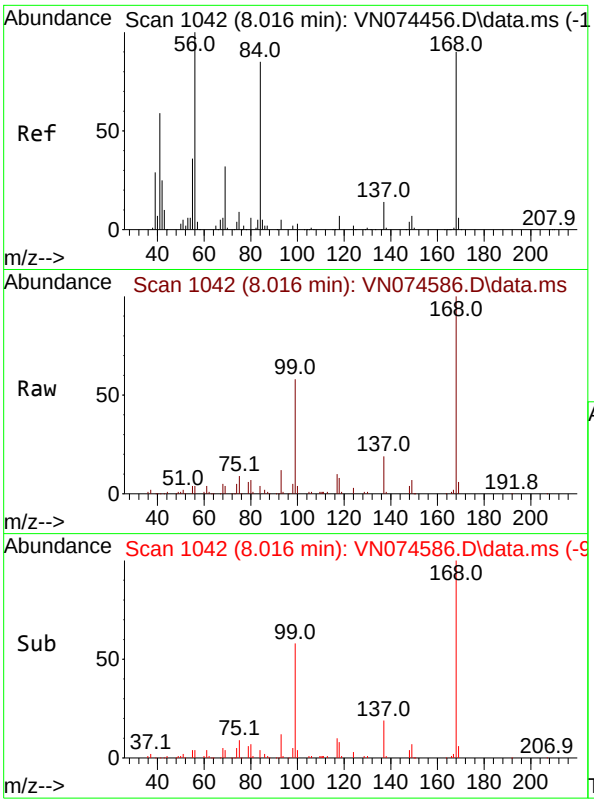
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091922\
Data File : VN074586.D
Acq On : 19 Sep 2022 15:14
Operator : JC\MD
Sample : N4647-09
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
1040-TB090822

Quant Time: Sep 20 04:19:56 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 15 19:20:33 2022
Response via : Initial Calibration



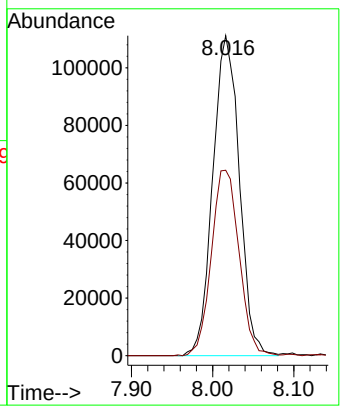


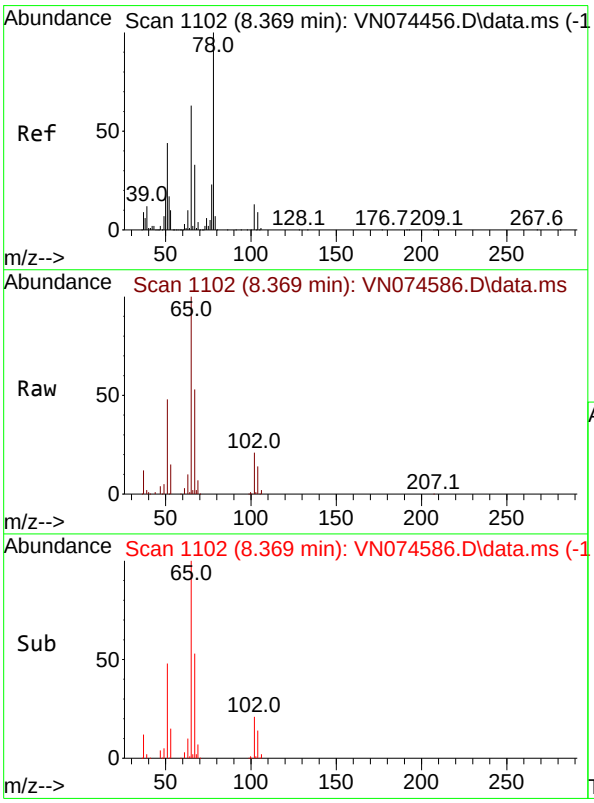
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074586.D
Acq: 19 Sep 2022 15:14

Instrument :
MSVOA_N
ClientSampleId :
1040-TB090822

Tgt Ion:168 Resp: 252384

Ion	Ratio	Lower	Upper
168	100		
99	57.8	42.3	63.5

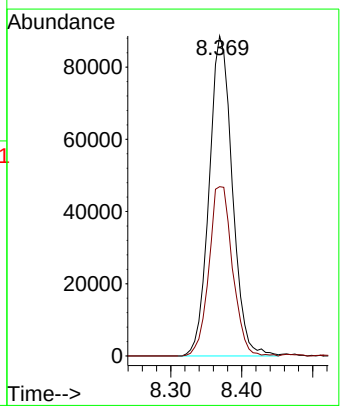


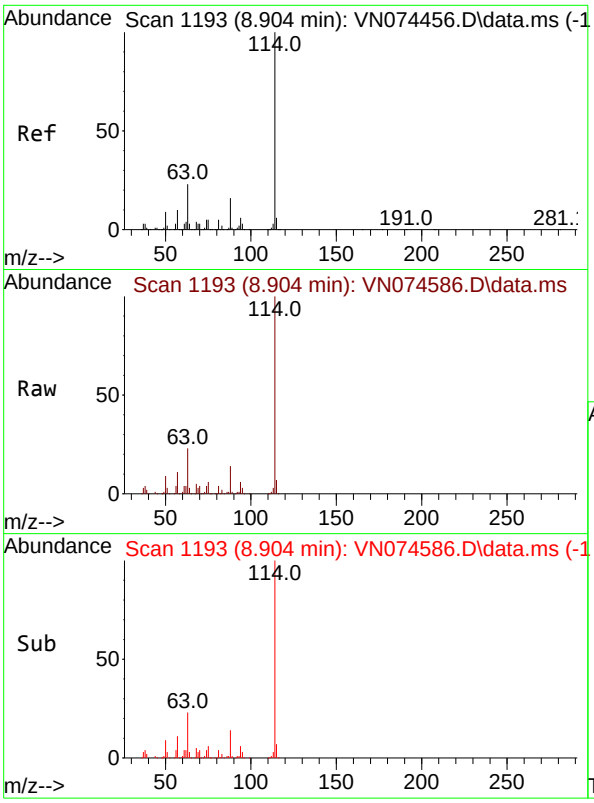


#33
1,2-Dichloroethane-d4
Concen: 46.865 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VN074586.D
Acq: 19 Sep 2022 15:14

Tgt Ion: 65 Resp: 200691

Ion	Ratio	Lower	Upper
65	100		
67	53.9	0.0	104.8



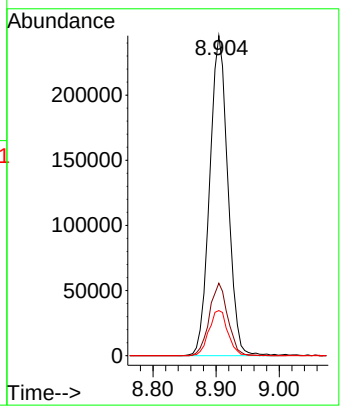


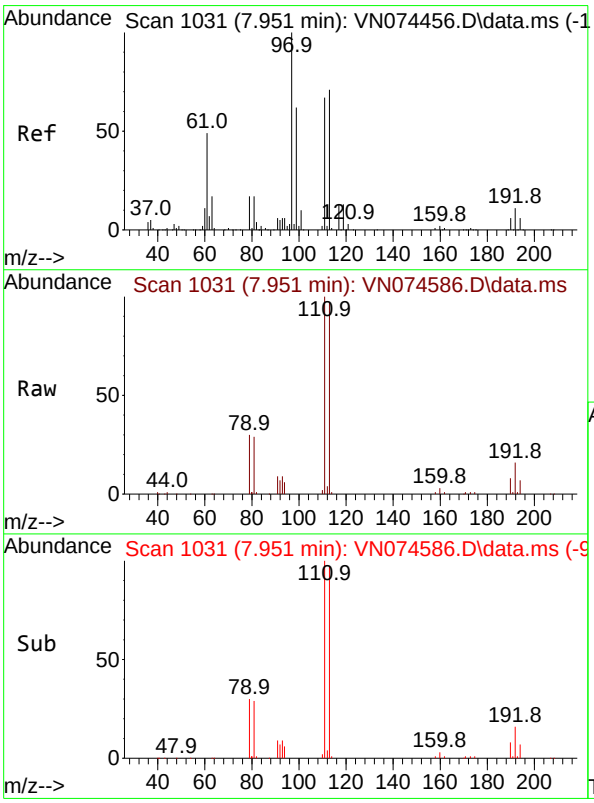
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN074586.D
Acq: 19 Sep 2022 15:14

Instrument :
MSVOA_N
ClientSampleId :
1040-TB090822

Tgt Ion:114 Resp: 489890

Ion	Ratio	Lower	Upper
114	100		
63	22.6	0.0	40.0
88	14.1	0.0	32.6

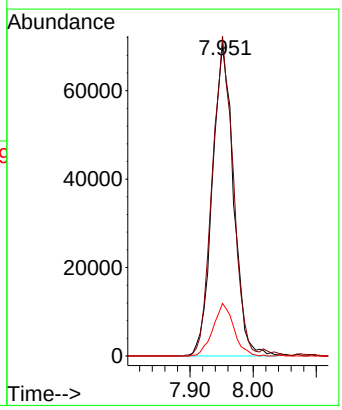


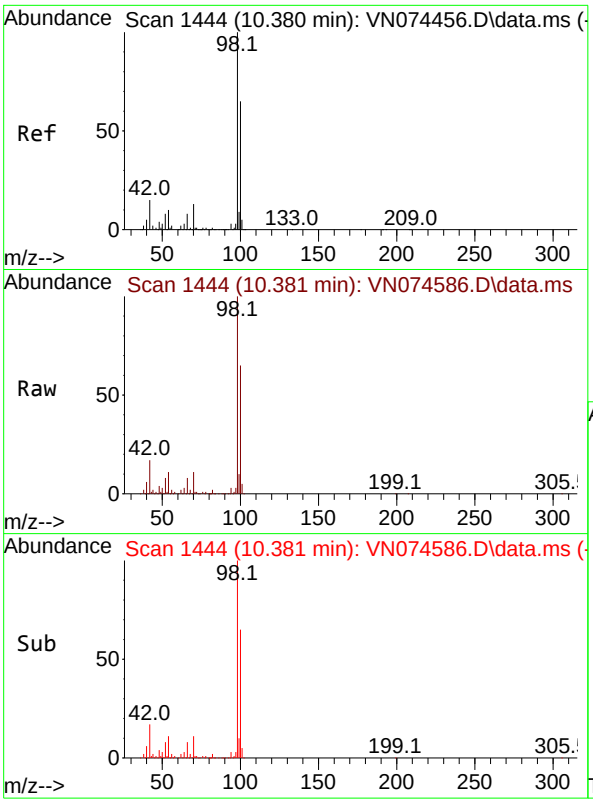


#35
Dibromofluoromethane
Concen: 50.542 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VN074586.D
Acq: 19 Sep 2022 15:14

Tgt Ion:113 Resp: 164477

Ion	Ratio	Lower	Upper
113	100		
111	101.0	81.4	122.0
192	16.4	17.0	25.6#



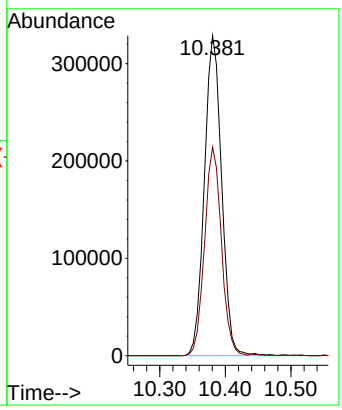


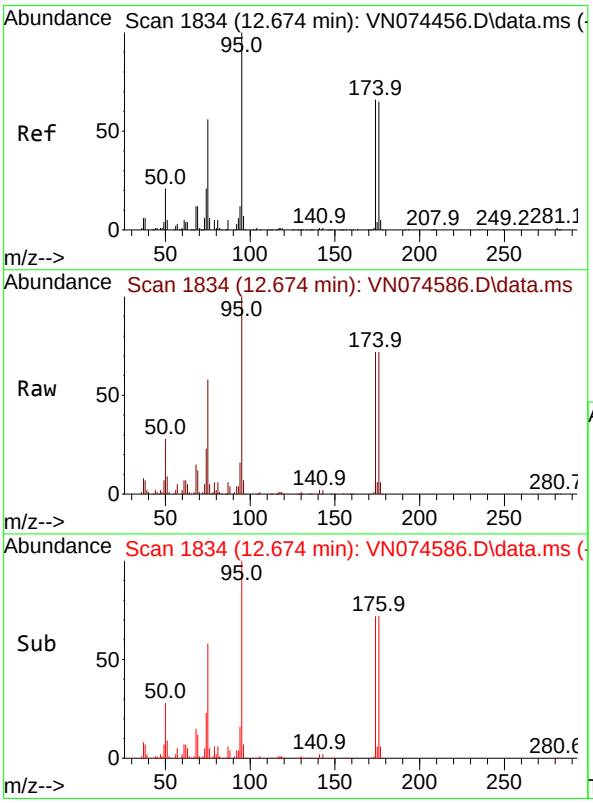
#50
Toluene-d8
Concen: 47.930 ug/l
RT: 10.381 min Scan# 14
Delta R.T. 0.001 min
Lab File: VN074586.D
Acq: 19 Sep 2022 15:14

Instrument :
MSVOA_N
ClientSampleId :
1040-TB090822

Tgt Ion: 98 Resp: 603216

Ion	Ratio	Lower	Upper
98	100		
100	63.5	52.6	78.8

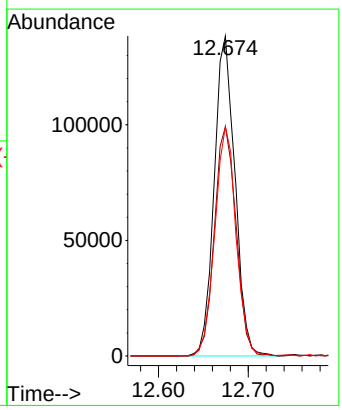


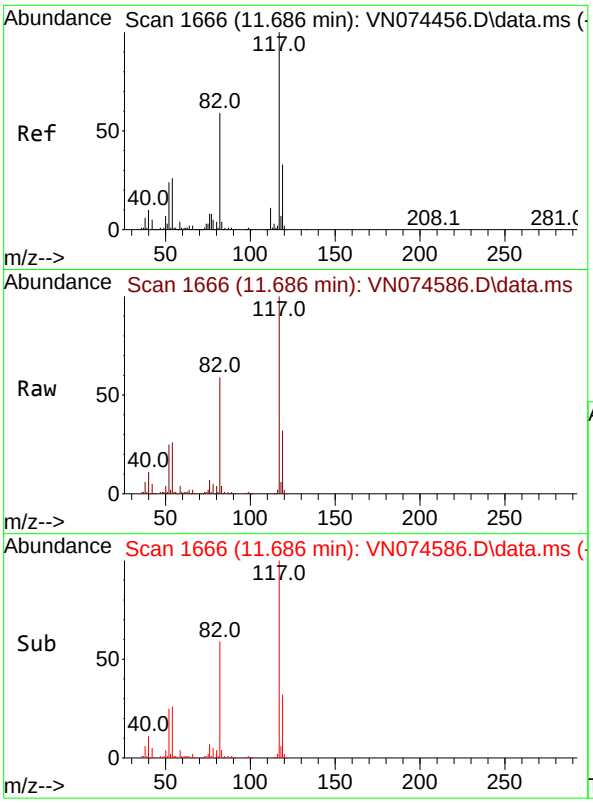


#62
4-Bromofluorobenzene
Concen: 51.499 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN074586.D
Acq: 19 Sep 2022 15:14

Tgt Ion: 95 Resp: 221982

Ion	Ratio	Lower	Upper
95	100		
174	74.8	0.0	167.6
176	73.4	0.0	163.4



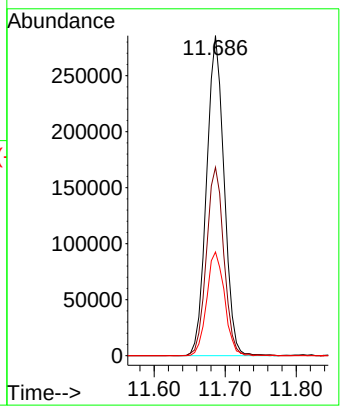


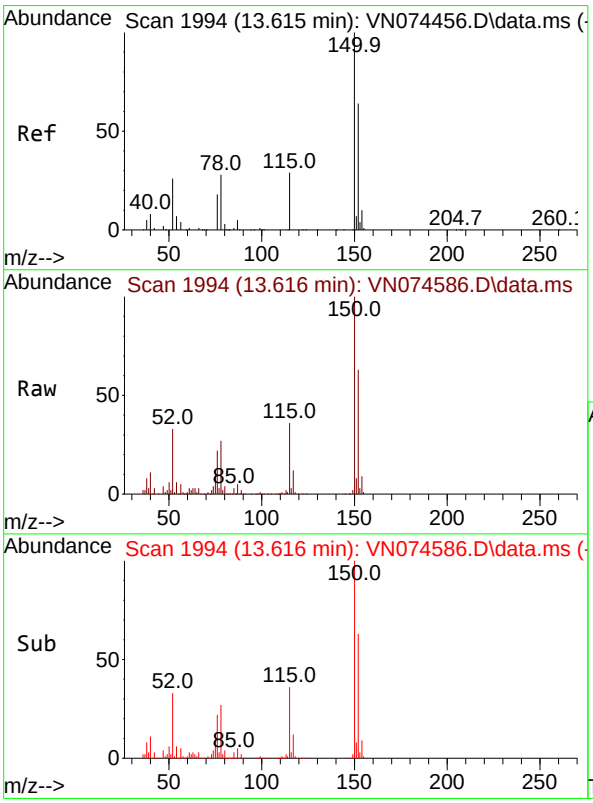
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VN074586.D
Acq: 19 Sep 2022 15:14

Instrument :
MSVOA_N
ClientSampleId :
1040-TB090822

Tgt Ion:117 Resp: 490017

Ion	Ratio	Lower	Upper
117	100		
82	58.8	44.2	66.2
119	32.4	25.4	38.0

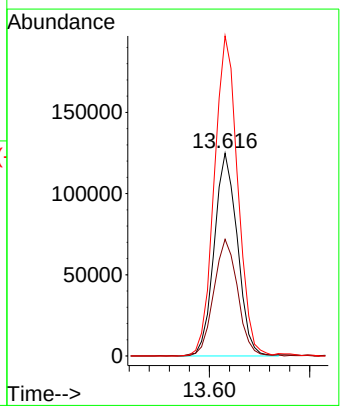




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1994
Delta R.T. 0.001 min
Lab File: VN074586.D
Acq: 19 Sep 2022 15:14

Tgt Ion:152 Resp: 199869

Ion	Ratio	Lower	Upper
152	100		
115	59.4	28.9	86.7
150	159.8	0.0	356.2



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091922\
Data File : VN074586.D
Acq On : 19 Sep 2022 15:14
Operator : JC\MD
Sample : N4647-09
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
1040-TB090822

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Title : SW846 8260

Signal : TIC: VN074586.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.199	47	53	58	rBV	181496	315612	18.57%	3.234%
2	2.687	130	136	140	rBV3	63375	151247	8.90%	1.550%
3	7.951	1022	1031	1036	rBV	244844	566438	33.34%	5.804%
4	8.016	1036	1042	1053	rVB	354372	822874	48.43%	8.432%
5	8.369	1093	1102	1116	rBV2	270032	620994	36.55%	6.363%
6	8.904	1184	1193	1210	rBV	600679	1232739	72.55%	12.632%
7	10.381	1436	1444	1453	rBV	932074	1699184	100.00%	17.411%
8	11.686	1658	1666	1676	rBV	954301	1671827	98.39%	17.131%
9	12.674	1822	1834	1844	rBV	755003	1254117	73.81%	12.851%
10	13.616	1985	1994	2003	rBV	876609	1424003	83.81%	14.592%

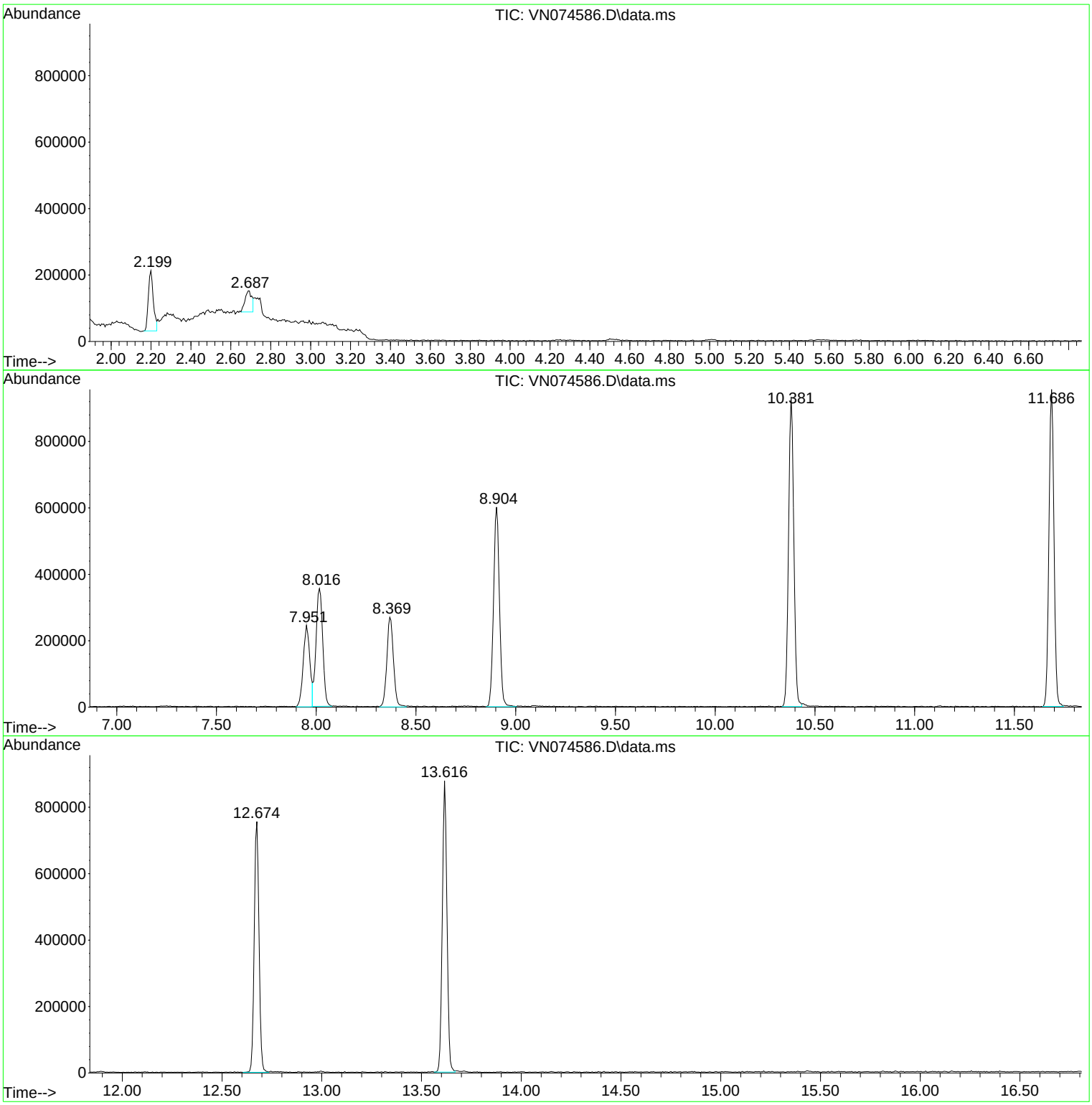
Sum of corrected areas: 9759035

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091922\
Data File : VN074586.D
Acq On : 19 Sep 2022 15:14
Operator : JC\MD
Sample : N4647-09
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
1040-TB090822

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091922\
Data File : VN074586.D
Acq On : 19 Sep 2022 15:14
Operator : JC\MD
Sample : N4647-09
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
1040-TB090822

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260

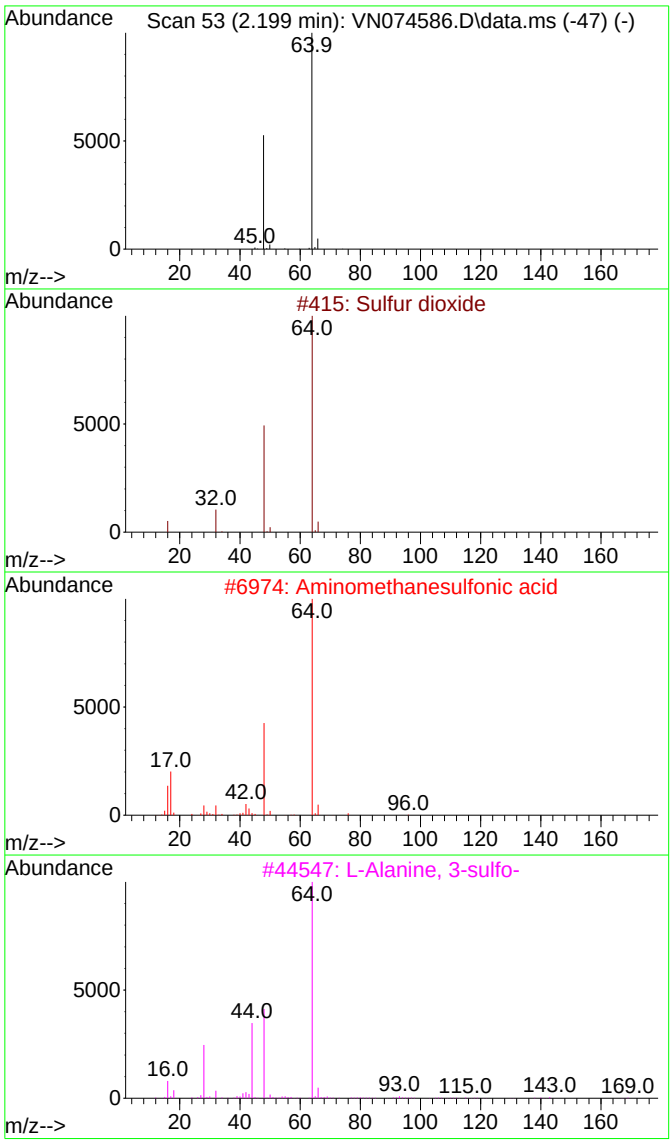
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

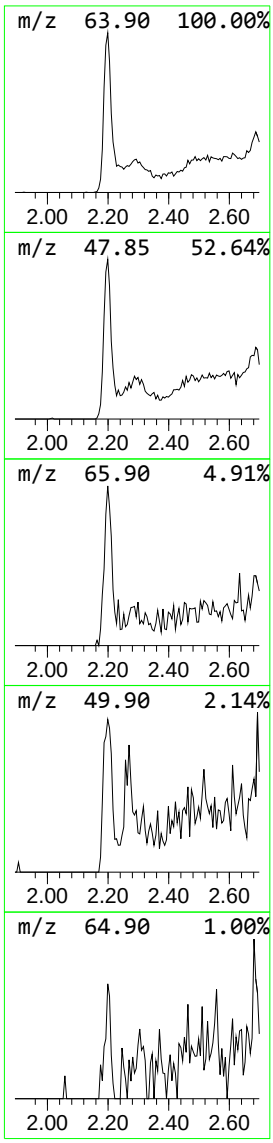
****

Peak Number 1 Sulfur dioxide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.199	19.18 ug/l	315612	Pentafluorobenzene	8.016

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfur dioxide	64	O2S	007446-09-5	83
2	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	74
3	L-Alanine, 3-sulfo-	169	C3H7NO5S	000498-40-8	9
4	Ethene, 1,1-difluoro-	64	C2H2F2	000075-38-7	4
5	Ethyl Chloride	64	C2H5Cl	000075-00-3	4





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091922\
Data File : VN074586.D
Acq On : 19 Sep 2022 15:14
Operator : JC\MD
Sample : N4647-09
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
1040-TB090822

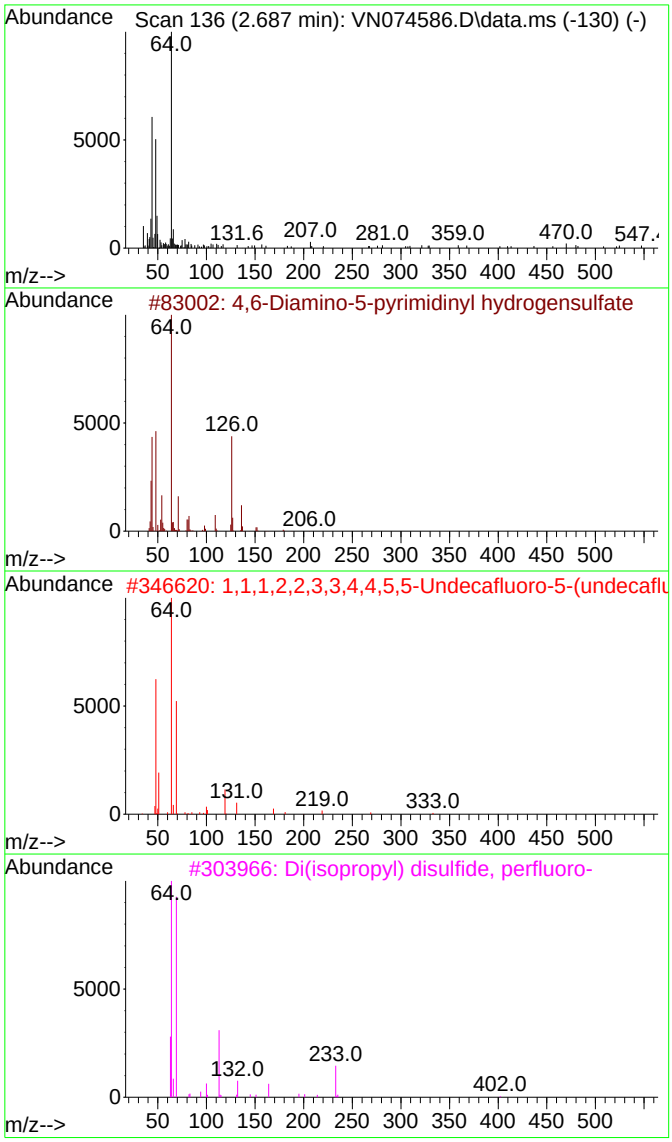
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260

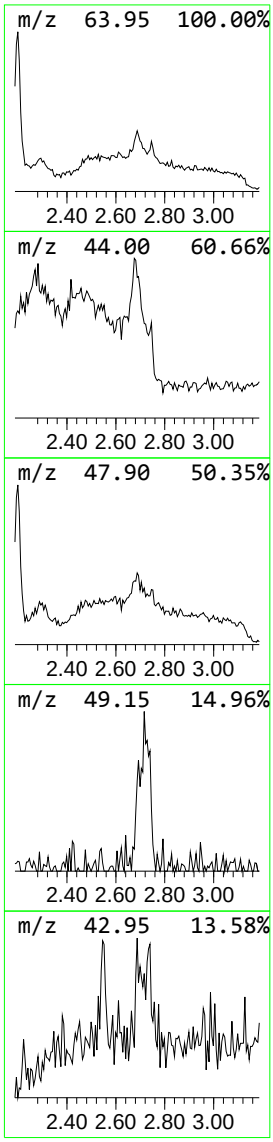
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 4,6-Diamino-5-pyrimidinyl h... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.687	9.19 ug/l	151247	Pentafluorobenzene	8.016

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,6-Diamino-5-pyrimidinyl hydrog...	206	C4H6N4O4S	071525-41-2	64
2	1,1,1,2,2,3,3,4,4,5,5-Undecafluo...	602	C10F22O2S	1000486-78-5	64
3	Di(isopropyl) disulfide, perfluoro-	402	C6F14S2	000754-62-1	64
4	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	56
5	L-Alanine, 3-sulfo-	169	C3H7NO5S	000498-40-8	56





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091922\
Data File : VN074586.D
Acq On : 19 Sep 2022 15:14
Operator : JC\MD
Sample : N4647-09
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
1040-TB090822

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Sulfur dioxide	2.199	19.2	ug/l	315612	1	8.016	822874	50.0
4,6-Diamino-5-p...	2.687	9.2	ug/l	151247	1	8.016	822874	50.0

CHEMTECH

CALIBRATION SUMMARY

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: DAYE01

Lab Code: CHEM Case No.: N4647 SAS No.: N4647 SDG No.: N4647

Instrument ID: MSVOA_N Calibration Date(s): 09/15/2022 09/15/2022

Heated Purge: (Y/N) N Calibration Time(s): 10:36 13:26

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF005 = VN074453.D RRF010 = VN074454.D RRF020 = VN074455.D
RRF050 = VN074456.D RRF100 = VN074457.D RRF001 = VN074459.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF001	RRF	% RSD
Dichlorodifluoromethane	0.567	0.508	0.553	0.465	0.520	0.652	0.544	11.7
Chloromethane	0.982	0.953	0.918	0.838	0.936	1.429	1.009	20.9
Vinyl Chloride	1.015	0.950	0.987	0.842	0.962	1.121	0.979	9.3
Bromomethane	0.569	0.575	0.523	0.477	0.438		0.517	11.5
Chloroethane	0.809	0.659	0.664	0.575	0.638		0.669	12.8
Trichlorofluoromethane	1.104	1.040	1.083	0.946	1.085	1.232	1.082	8.6
1,1,2-Trichlorotrifluoroethane	0.690	0.656	0.683	0.589	0.677	0.722	0.669	6.7
1,1-Dichloroethene	0.766	0.608	0.656	0.590	0.680	1.013	0.719	21.8
Acetone	0.526	0.509	0.525	0.468	0.540	0.690	0.543	14
Carbon Disulfide	1.785	1.628	1.754	1.584	1.837	2.247	1.806	13.1
Methyl tert-butyl Ether	2.870	2.660	2.858	2.495	2.901	2.869	2.775	5.9
Methyl Acetate	1.725	1.710	1.760	1.465	1.652	1.805	1.686	7.1
Methylene Chloride	0.979	0.847	0.868	0.747	0.847	1.294	0.930	20.7
trans-1,2-Dichloroethene	0.854	0.687	0.724	0.660	0.741	1.046	0.785	18.3
1,1-Dichloroethane	1.596	1.507	1.587	1.400	1.618	1.761	1.578	7.6
Cyclohexane	1.731	1.516	1.499	1.308	1.475		1.506	10
2-Butanone	0.871	0.877	0.925	0.829	0.945	0.962	0.901	5.7
Carbon Tetrachloride	0.551	0.519	0.544	0.505	0.572	0.566	0.543	4.8
cis-1,2-Dichloroethene	0.929	0.862	0.865	0.822	0.928	1.149	0.926	12.6
Bromochloromethane	0.702	0.398	0.489	0.417	0.476	0.785	0.544	29.4
Chloroform	1.478	1.467	1.505	1.341	1.550	1.400	1.457	5.2
1,1,1-Trichloroethane	1.299	1.208	1.290	1.129	1.320	1.420	1.278	7.8
Methylcyclohexane	0.718	0.668	0.692	0.666	0.755	0.695	0.699	4.8
Benzene	1.851	1.794	1.787	1.703	1.914	1.859	1.818	4
1,2-Dichloroethane	0.660	0.575	0.616	0.588	0.655	0.649	0.624	5.9
Trichloroethene	0.428	0.352	0.372	0.350	0.412	0.447	0.393	10.4
1,2-Dichloropropane	0.534	0.481	0.495	0.461	0.518	0.508	0.500	5.2
Bromodichloromethane	0.632	0.603	0.605	0.578	0.669	0.594	0.613	5.3
4-Methyl-2-Pentanone	0.914	0.888	0.939	0.899	1.025	0.907	0.929	5.4
Toluene	1.074	1.032	1.096	1.035	1.180	0.980	1.066	6.4
t-1,3-Dichloropropene	0.745	0.656	0.710	0.685	0.795	0.700	0.715	6.8
cis-1,3-Dichloropropene	0.772	0.727	0.752	0.725	0.831	0.784	0.765	5.2
1,1,2-Trichloroethane	0.446	0.426	0.441	0.418	0.479	0.500	0.452	7

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: DAYE01

Lab Code: CHEM Case No.: N4647 SAS No.: N4647 SDG No.: N4647

Instrument ID: MSVOA_N Calibration Date(s): 09/15/2022 09/15/2022

Heated Purge: (Y/N) N Calibration Time(s): 10:36 13:26

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF005 = VN074453.D RRF010 = VN074454.D RRF020 = VN074455.D
RRF050 = VN074456.D RRF100 = VN074457.D RRF001 = VN074459.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF001	RRF	% RSD
2-Hexanone	0.684	0.680	0.717	0.690	0.798	0.686	0.709	6.4
Dibromochloromethane	0.435	0.402	0.434	0.415	0.482	0.425	0.432	6.3
1,2-Dibromoethane	0.451	0.426	0.427	0.424	0.486	0.418	0.439	5.9
Tetrachloroethene	0.367	0.321	0.323	0.307	0.338	0.403	0.343	10.4
Chlorobenzene	1.319	1.202	1.230	1.154	1.295	1.332	1.255	5.7
Ethyl Benzene	2.396	2.236	2.327	2.179	2.498	2.190	2.305	5.5
m/p-Xylenes	0.865	0.811	0.876	0.823	0.939	0.799	0.852	6.1
o-Xylene	0.893	0.805	0.888	0.831	0.932	0.863	0.869	5.3
Styrene	1.481	1.332	1.448	1.386	1.599	1.424	1.445	6.3
Bromoform	0.349	0.325	0.336	0.329	0.372	0.301	0.335	7.1
Isopropylbenzene	5.320	5.056	5.260	4.614	5.119	5.349	5.120	5.3
1,1,2,2-Tetrachloroethane	2.268	1.955	2.032	1.753	1.915	2.387	2.052	11.5
1,3-Dichlorobenzene	2.074	1.881	1.988	1.823	2.048	2.243	2.010	7.4
1,4-Dichlorobenzene	2.033	1.885	1.961	1.781	2.047	2.412	2.020	10.7
1,2-Dichlorobenzene	2.149	1.960	2.094	1.834	2.070	2.403	2.085	9.2
1,2-Dibromo-3-Chloropropane	0.519	0.414	0.432	0.400	0.439	0.514	0.453	11.2
1,2,4-Trichlorobenzene	0.955	0.853	0.965	0.907	1.085	1.195	0.993	12.6
1,2,3-Trichlorobenzene	0.930	0.904	0.984	0.938	1.066	1.370	1.032	17
1,2-Dichloroethane-d4	0.869	0.827	0.852	0.800	0.894		0.848	4.3
Dibromofluoromethane	0.329	0.317	0.332	0.328	0.354		0.332	4.1
Toluene-d8	1.355	1.190	1.278	1.233	1.366		1.285	5.9
4-Bromofluorobenzene	0.409	0.389	0.439	0.448	0.515		0.440	10.9

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Response Factor Report MSVOA_N_NEW

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
Method File : 82N091522W.M
Title : SW846 8260
Last Update : Thu Sep 15 19:20:33 2022
Response Via : Initial Calibration

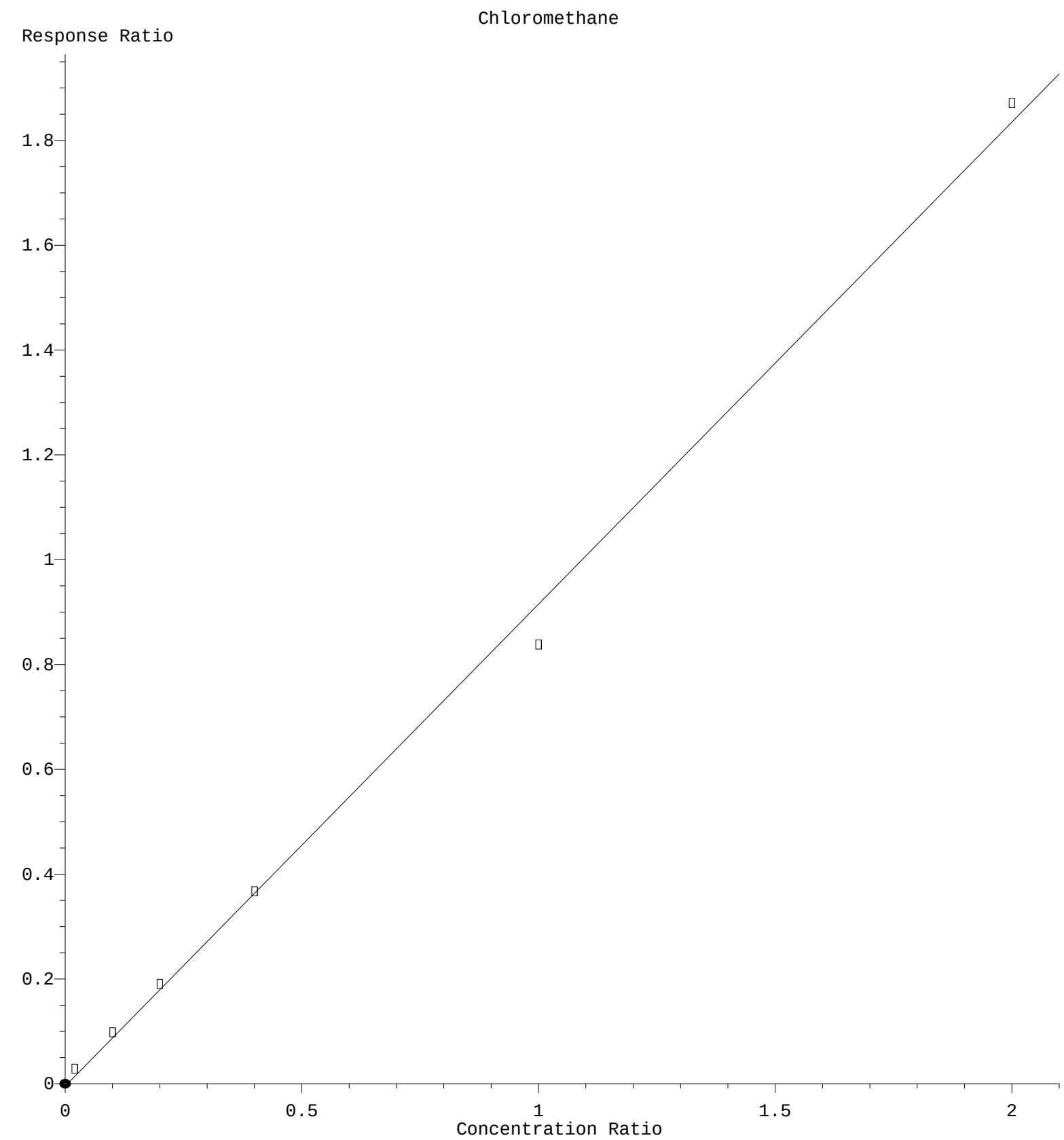
Calibration Files
1 =VN074459.D 5 =VN074453.D 20 =VN074455.D 50 =VN074456.D 100 =VN074457.D 10 =VN074454.D

		Compound	1	5	20	50	100	10	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.652	0.567	0.553	0.465	0.520	0.508	0.544	11.73
3)	P	Chloromethane	1.429	0.982	0.918	0.838	0.936	0.953	1.009	20.93
4)	C	Vinyl Chloride	1.121	1.015	0.987	0.842	0.962	0.950	0.979	9.28#
5)	T	Bromomethane		0.569	0.523	0.477	0.438	0.575	0.517	11.47
6)	T	Chloroethane		0.809	0.664	0.575	0.638	0.659	0.669	12.83
7)	T	Trichlorofluor...	1.232	1.104	1.083	0.946	1.085	1.040	1.082	8.59
8)	T	Diethyl Ether	0.670	0.562	0.548	0.483	0.529	0.518	0.552	11.64
9)	T	1,1,2-Trichlor...	0.722	0.690	0.683	0.589	0.677	0.656	0.669	6.72
10)	T	Methyl Iodide		0.739	0.817	0.747	0.887	0.757	0.789	7.93
11)	T	Tert butyl alc...		0.314	0.277	0.235	0.265	0.292	0.276	10.77
12)	CM	1,1-Dichloroet...	1.013	0.766	0.656	0.590	0.680	0.608	0.719	21.82#
13)	T	Acrolein		0.102	0.099	0.097	0.111	0.095	0.101	6.27
14)	T	Allyl chloride	1.793	1.497	1.557	1.400	1.600	1.587	1.572	8.30
15)	T	Acrylonitrile	0.655	0.615	0.636	0.568	0.663	0.589	0.621	6.02
16)	T	Acetone	0.690	0.526	0.525	0.468	0.539	0.509	0.543	14.05
17)	T	Carbon Disulfide	2.247	1.785	1.754	1.584	1.837	1.628	1.806	13.10
18)	T	Methyl Acetate	1.805	1.725	1.760	1.465	1.652	1.710	1.686	7.11
19)	T	Methyl tert-bu...	2.869	2.870	2.858	2.495	2.901	2.660	2.775	5.85
20)	T	Methylene Chlo...	1.294	0.979	0.868	0.747	0.847	0.847	0.930	20.72
21)	T	trans-1,2-Dich...	1.045	0.854	0.724	0.660	0.741	0.687	0.785	18.30
22)	T	Diisopropyl ether	3.277	3.295	3.192	2.890	3.274	3.017	3.157	5.29
23)	T	Vinyl Acetate	2.782	2.763	2.874	2.626	3.002	2.662	2.785	4.97
24)	P	1,1-Dichloroet...	1.761	1.596	1.587	1.400	1.618	1.507	1.578	7.61
25)	T	2-Butanone	0.962	0.871	0.925	0.829	0.945	0.877	0.901	5.65
26)	T	2,2-Dichloropr...	1.551	1.386	1.371	1.177	1.368	1.312	1.361	8.88
27)	T	cis-1,2-Dichlo...	1.149	0.929	0.865	0.822	0.928	0.862	0.926	12.64
28)	T	Bromochloromet...	0.785	0.702	0.489	0.417	0.476	0.398	0.544	29.45
29)	T	Tetrahydrofuran	0.622	0.569	0.616	0.554	0.626	0.568	0.593	5.41
30)	C	Chloroform	1.400	1.478	1.505	1.341	1.550	1.467	1.457	5.17#
31)	T	Cyclohexane		1.731	1.499	1.308	1.475	1.516	1.506	10.01
32)	T	1,1,1-Trichlor...	1.420	1.299	1.290	1.129	1.320	1.208	1.278	7.81
33)	S	1,2-Dichloroet...		0.869	0.852	0.800	0.894	0.827	0.848	4.27
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...		0.329	0.332	0.328	0.354	0.317	0.332	4.07
36)	T	1,1-Dichloropr...	0.708	0.592	0.558	0.530	0.598	0.542	0.588	11.02
37)	T	Ethyl Acetate	0.958	0.907	0.890	0.869	0.984	0.840	0.908	5.99
38)	T	Carbon Tetrach...	0.566	0.551	0.544	0.505	0.572	0.519	0.543	4.83
39)	T	Methylcyclohexane	0.695	0.718	0.692	0.666	0.755	0.668	0.699	4.77
40)	TM	Benzene	1.859	1.851	1.787	1.703	1.914	1.794	1.818	4.01
41)	T	Methacrylonitrile	0.402	0.424	0.489	0.403	0.464	0.452	0.439	8.04
42)	TM	1,2-Dichloroet...	0.649	0.660	0.616	0.588	0.655	0.575	0.624	5.87
43)	T	Isopropyl Acetate	1.480	1.441	1.436	1.330	1.515	1.331	1.422	5.39
44)	TM	Trichloroethene	0.447	0.428	0.372	0.350	0.412	0.352	0.393	10.42
45)	C	1,2-Dichloropr...	0.508	0.534	0.495	0.461	0.518	0.481	0.500	5.23#
46)	T	Dibromomethane	0.332	0.330	0.304	0.288	0.327	0.296	0.313	6.20
47)	T	Bromodichlorom...	0.594	0.632	0.605	0.578	0.669	0.603	0.613	5.26
48)	T	Methyl methacr...	0.691	0.602	0.648	0.577	0.689	0.577	0.631	8.37
49)	T	1,4-Dioxane	0.013	0.011	0.012	0.011	0.013	0.012	0.012	7.44
50)	S	Toluene-d8		1.355	1.278	1.233	1.366	1.190	1.285	5.93
51)	T	4-Methyl-2-Pen...	0.907	0.914	0.939	0.899	1.025	0.888	0.929	5.43
52)	CM	Toluene	0.980	1.074	1.096	1.035	1.180	1.032	1.066	6.44#
53)	T	t-1,3-Dichloro...	0.700	0.745	0.710	0.685	0.795	0.656	0.715	6.82
54)	T	cis-1,3-Dichlo...	0.784	0.772	0.752	0.725	0.831	0.727	0.765	5.21
55)	T	1,1,2-Trichlor...	0.500	0.446	0.441	0.418	0.479	0.426	0.452	7.04
56)	T	Ethyl methacry...	0.729	0.848	0.817	0.770	0.908	0.767	0.807	8.03

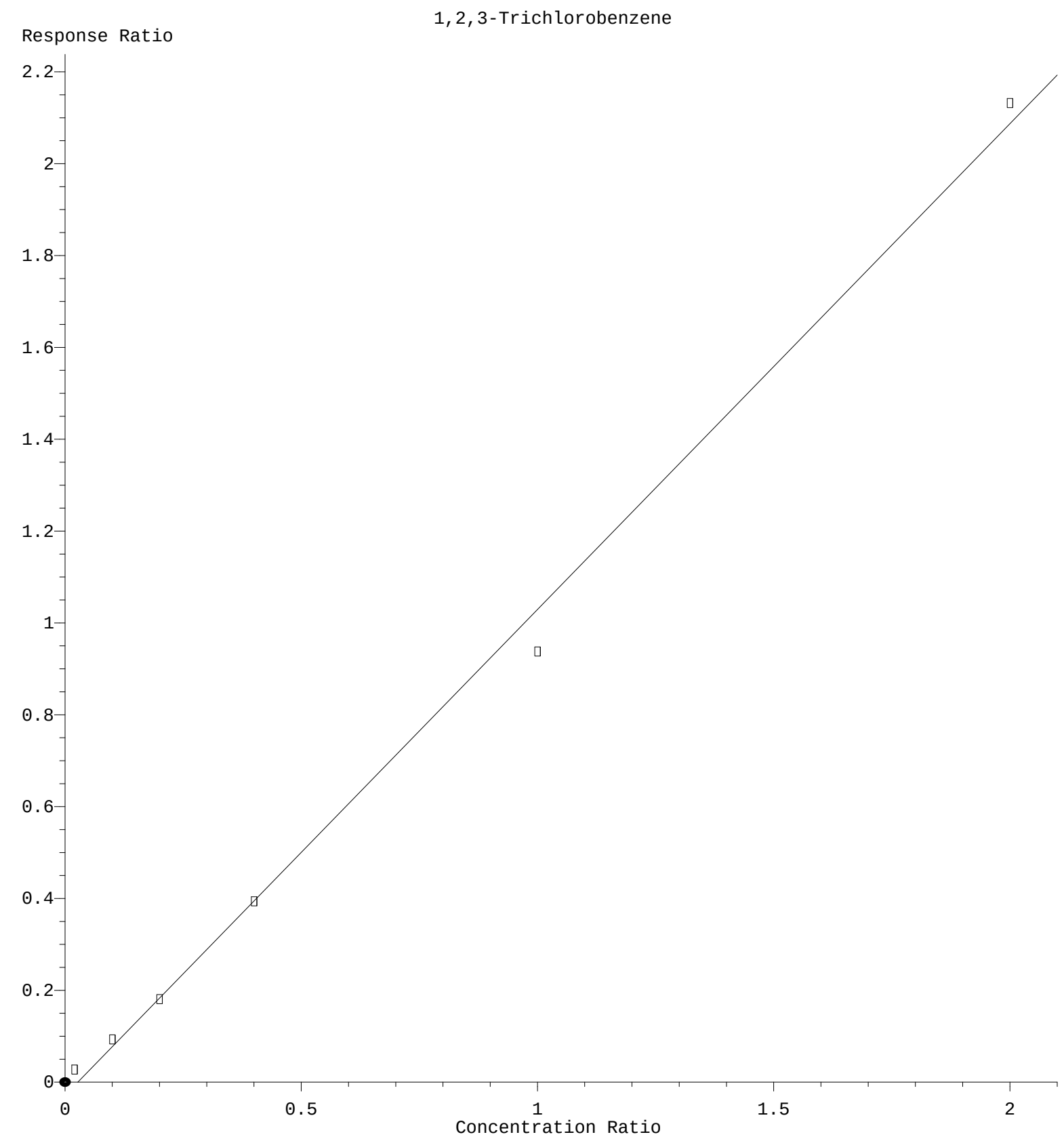
Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
Method File : 82N091522W.M

57)	T	1,3-Dichloropr...	0.801	0.817	0.790	0.741	0.861	0.741	0.792	5.82
58)	T	2-Chloroethyl ...	0.341	0.361	0.346	0.350	0.398	0.335	0.355	6.41
59)	T	2-Hexanone	0.686	0.684	0.717	0.690	0.798	0.680	0.709	6.40
60)	T	Dibromochlorom...	0.425	0.435	0.434	0.415	0.482	0.402	0.432	6.35
61)	T	1,2-Dibromoethane	0.418	0.451	0.427	0.424	0.486	0.426	0.439	5.93
62)	S	4-Bromofluorob...		0.409	0.439	0.448	0.515	0.389	0.440	10.89
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.403	0.367	0.323	0.307	0.338	0.321	0.343	10.40
65)	PM	Chlorobenzene	1.332	1.319	1.230	1.154	1.295	1.202	1.255	5.65
66)	T	1,1,1,2-Tetrac...	0.495	0.466	0.445	0.421	0.471	0.439	0.456	5.76
67)	C	Ethyl Benzene	2.190	2.396	2.327	2.179	2.498	2.236	2.305	5.49#
68)	T	m/p-Xylenes	0.799	0.865	0.876	0.823	0.939	0.811	0.852	6.10
69)	T	o-Xylene	0.863	0.893	0.888	0.831	0.932	0.805	0.869	5.28
70)	T	Styrene	1.424	1.481	1.448	1.386	1.599	1.332	1.445	6.32
71)	P	Bromoform	0.301	0.349	0.336	0.329	0.372	0.325	0.335	7.14
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	5.349	5.320	5.260	4.614	5.119	5.056	5.120	5.33
74)	T	N-amyl acetate	3.616	3.425	3.202	2.780	3.123	3.061	3.201	9.11
75)	P	1,1,2,2-Tetrac...	2.387	2.268	2.032	1.753	1.915	1.955	2.052	11.47
76)	T	1,2,3-Trichlor...	1.781	1.598	1.543	1.328	1.475	1.509	1.539	9.69
77)	T	Bromobenzene	1.234	1.158	1.085	0.964	1.072	1.049	1.094	8.50
78)	T	n-propylbenzene	6.325	6.225	6.191	5.643	6.341	5.861	6.098	4.63
79)	T	2-Chlorotoluene	3.936	3.838	3.683	3.268	3.630	3.485	3.640	6.63
80)	T	1,3,5-Trimethy...	4.174	4.374	4.369	3.842	4.248	4.033	4.173	4.95
81)	T	trans-1,4-Dich...		0.716	0.743	0.653	0.740	0.713	0.713	5.10
82)	T	4-Chlorotoluene	3.816	3.508	3.464	3.145	3.600	3.226	3.460	7.11
83)	T	tert-Butylbenzene	3.973	4.075	3.822	3.410	3.759	3.750	3.798	6.04
84)	T	1,2,4-Trimethy...	4.288	4.519	4.306	3.819	4.277	3.991	4.200	5.99
85)	T	sec-Butylbenzene	5.260	5.293	5.291	4.882	5.492	5.074	5.215	4.04
86)	T	p-Isopropyltol...	4.021	4.026	4.115	3.889	4.392	3.952	4.066	4.36
87)	T	1,3-Dichlorobe...	2.243	2.074	1.988	1.823	2.048	1.881	2.010	7.43
88)	T	1,4-Dichlorobe...	2.412	2.033	1.961	1.781	2.047	1.885	2.020	10.70
89)	T	n-Butylbenzene	3.692	3.634	3.709	3.525	4.177	3.250	3.665	8.26
90)	T	Hexachloroethane	0.985	0.934	0.861	0.796	0.870	0.861	0.885	7.45
91)	T	1,2-Dichlorobe...	2.403	2.149	2.094	1.834	2.070	1.960	2.085	9.21
92)	T	1,2-Dibromo-3-...	0.514	0.519	0.432	0.400	0.439	0.414	0.453	11.23
93)	T	1,2,4-Trichlor...	1.195	0.955	0.965	0.907	1.085	0.853	0.993	12.63
94)	T	Hexachlorobuta...	0.509	0.492	0.408	0.379	0.440	0.392	0.437	12.32
95)	T	Naphthalene	5.416	3.775	4.024	3.853	4.456	3.702	4.204	15.51
96)	T	1,2,3-Trichlor...	1.370	0.930	0.984	0.938	1.066	0.904	1.032	16.99

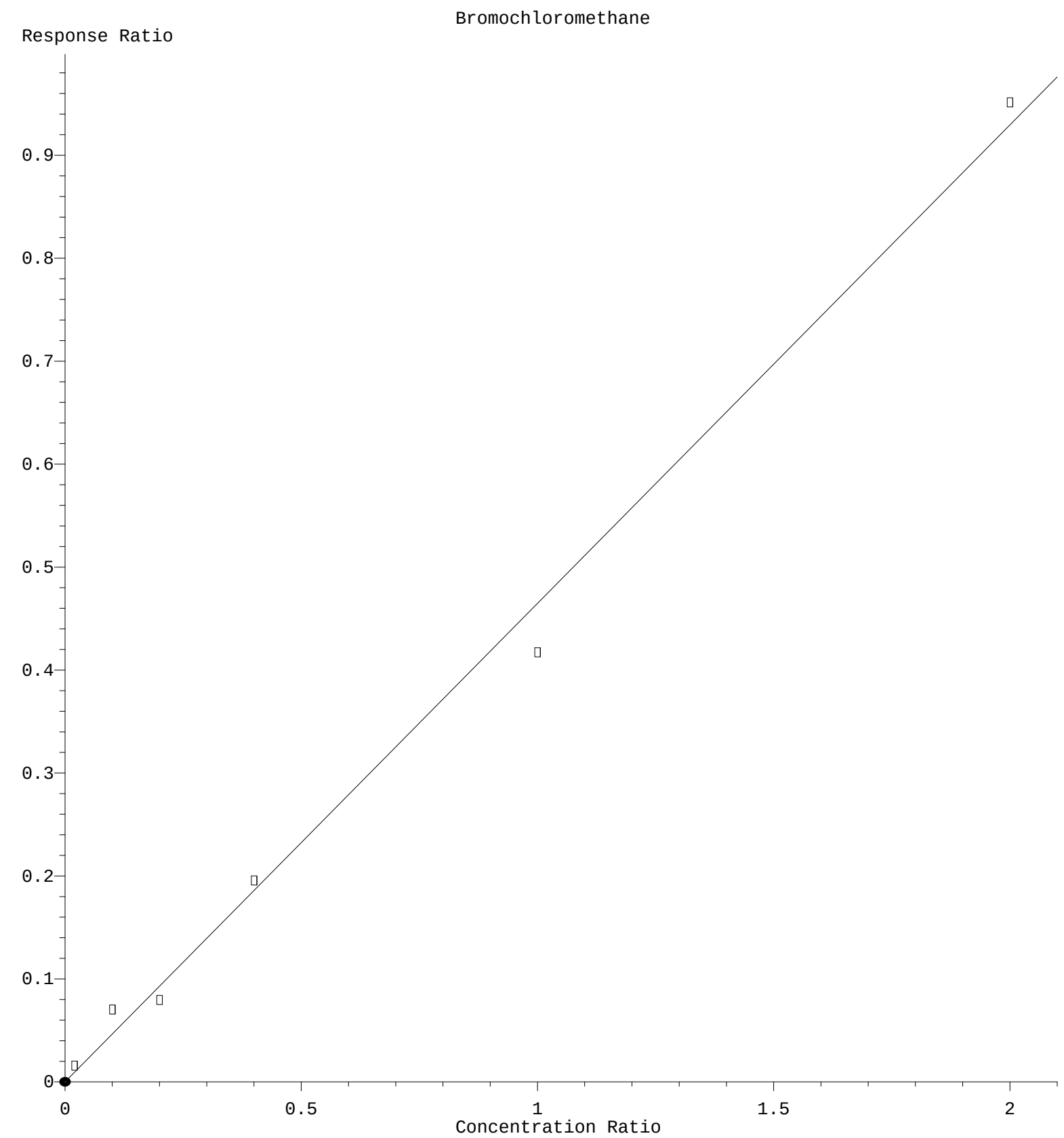
(#) = Out of Range



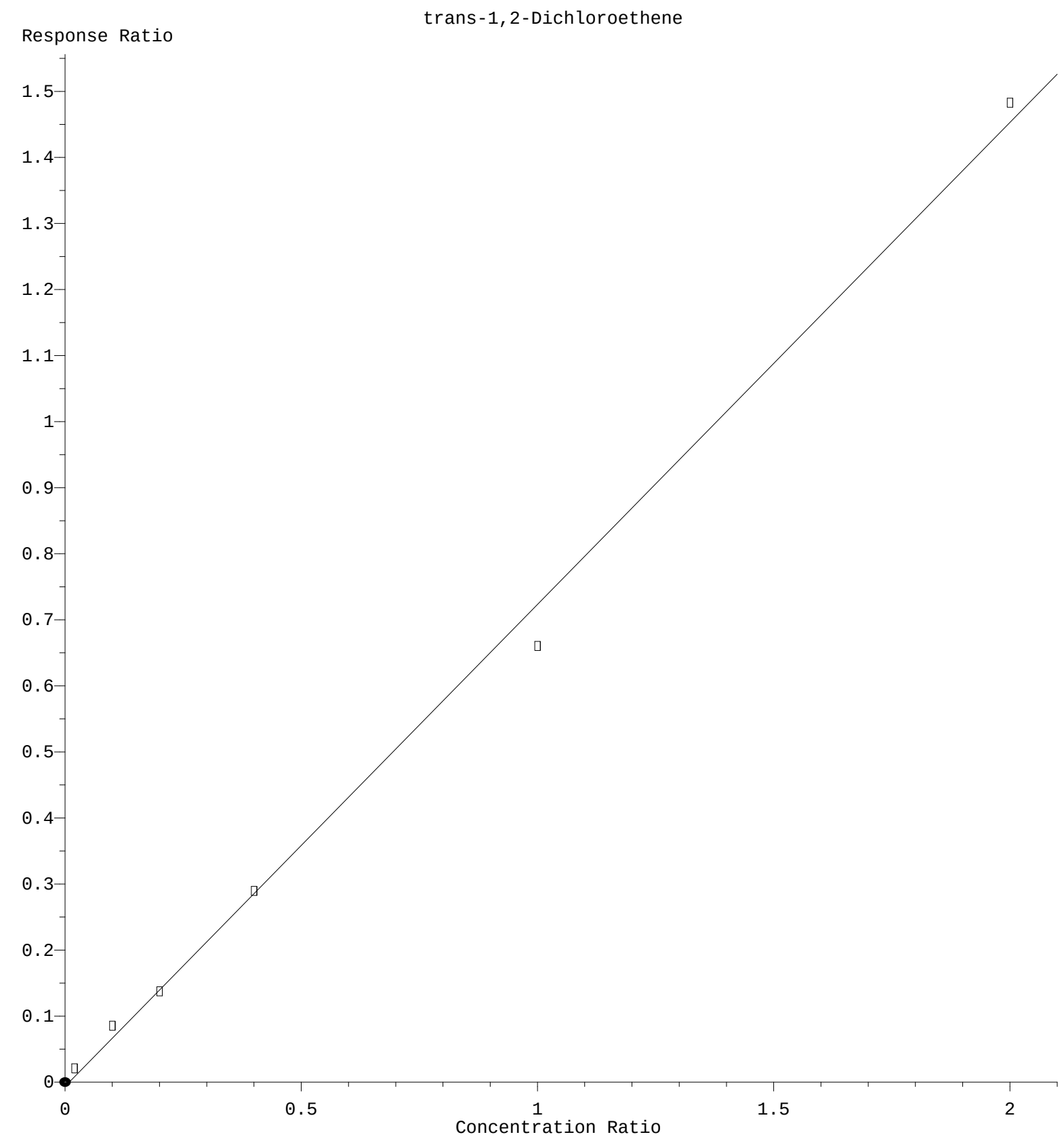
Response = 9.201e-001 * Amt - 4.755e-003
Coef of Det (r^2) = 0.996861 Curve Fit: Linear
Method Name: C:\Voa1srv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Calibration Table Last Updated: Thu Sep 15 19:20:33 2022



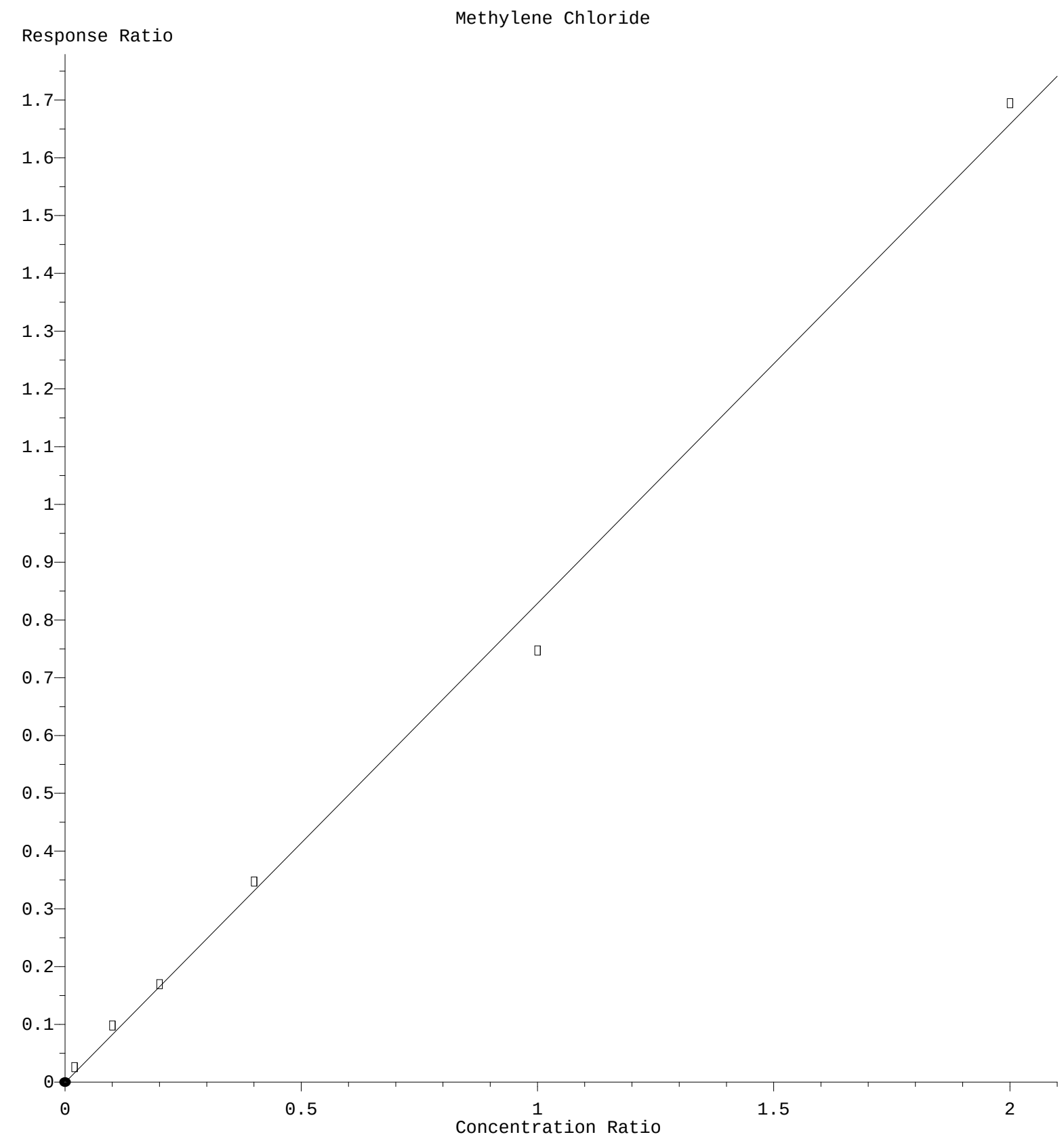
Response = 1.058e+000 * Amt - 2.827e-002
Coef of Det (r^2) = 0.996354 Curve Fit: Linear
Method: C:\Varian\Saturn\HPCHEM1\MSVOA_N\methods\82N091522W.M
Calibration Table Last Updated: Thu Sep 15 19:20:33 2022



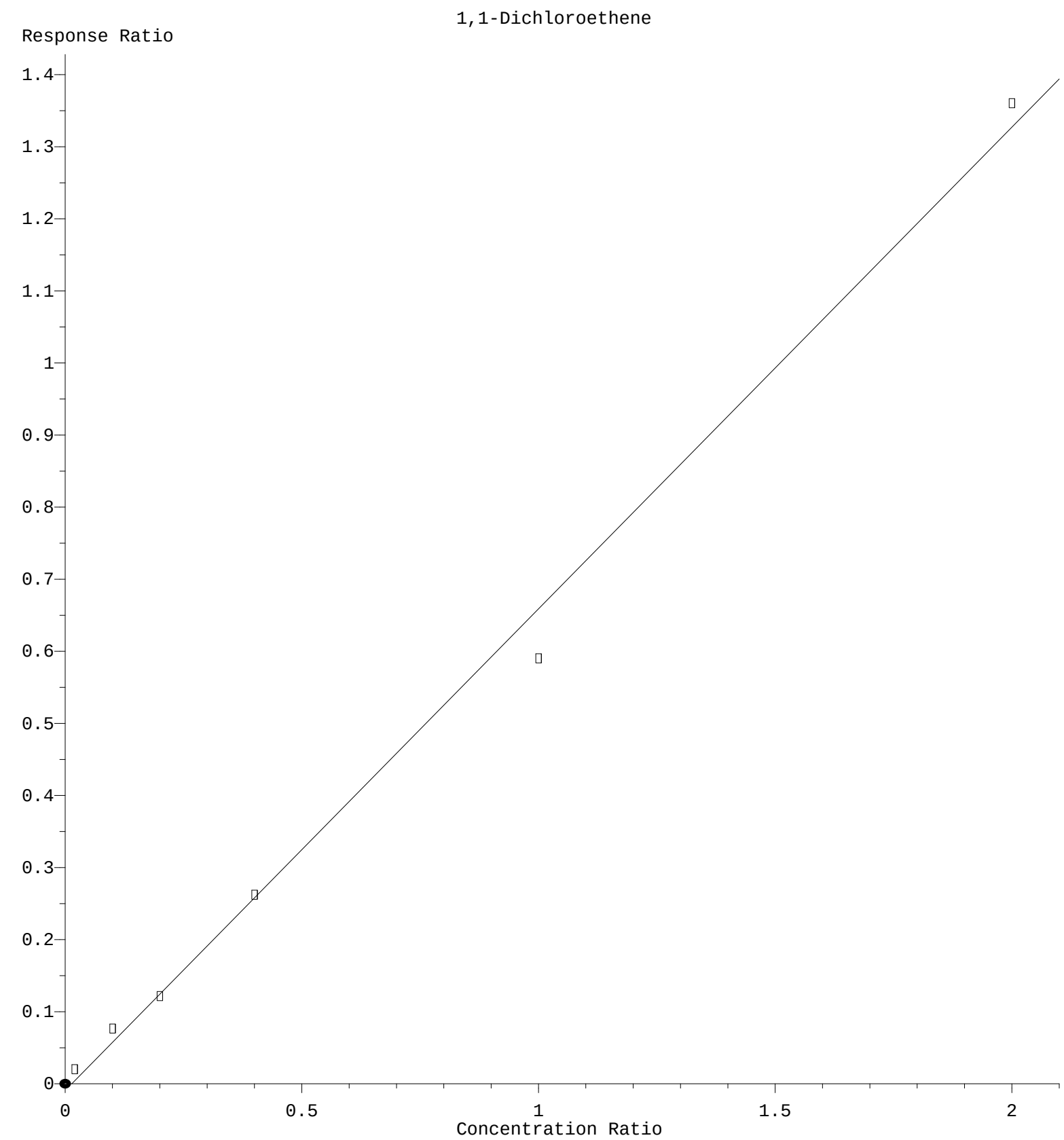
Response = 4.646e-001 * Amt + 2.322e-004
Coef of Det (r^2) = 0.994264 Curve Fit: Linear
Method: C:\Chemstor\HPCHEM1\MSVOA_N\methods\82N091522W.M
Calibration Table Last Updated: Thu Sep 15 19:20:33 2022



Response = 7.296e-001 * Amt - 6.260e-003
Coef of Det (r^2) = 0.996531 Curve Fit: Linear
Method: C:\Varian\Saturn\HPCHEM1\MSVOA_N\methods\82N091522W.M
Calibration Table Last Updated: Thu Sep 15 19:20:33 2022



Response = 8.293e-001 * Amt - 5.113e-004
Coef of Det (r^2) = 0.995702 Curve Fit: Linear
Method: C:\Varian\Saturn\HPCHEM1\MSVOA_N\methods\82N091522W.M
Calibration Table Last Updated: Thu Sep 15 19:20:33 2022



Response = 6.683e-001 * Amt - 9.150e-003
Coef of Det (r^2) = 0.995031 Curve Fit: Linear
Method: C:\Varian\Saturn\HPCHEM1\MSVOA_N\methods\82N091522W.M
Calibration Table Last Updated: Thu Sep 15 19:20:33 2022

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091522\
Data File : VN074453.D
Acq On : 15 Sep 2022 10:36
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 15 19:06:40 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 15 19:05:53 2022
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 09/16/2022
Supervised By :Mahesh Dadoda 09/16/2022

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	8.016	168	443649	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	8.898	114	839691	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.686	117	716741	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	291628	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.369	65	38536	6.197	ug/l		0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	12.400%#			
35) Dibromofluoromethane	7.951	113	27641	5.280	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	10.560%#			
50) Toluene-d8	10.381	98	113799	5.846	ug/l		0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	11.700%#			
62) 4-Bromofluorobenzene	12.675	95	34381	4.904	ug/l		0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	9.800%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.040	85	25139	6.027	ug/l		90
3) Chloromethane	2.263	50	43570	8.299	ug/l		97
4) Vinyl Chloride	2.405	62	45009	10.263	ug/l	#	78
5) Bromomethane	2.781	94	25263	12.556	ug/l		97
6) Chloroethane	2.946	64	35884	12.703	ug/l	#	83
7) Trichlorofluoromethane	3.316	101	48992	7.406	ug/l		92
8) Diethyl Ether	3.752	74	24934	7.424	ug/l		74
9) 1,1,2-Trichlorotrifluo...	4.146	101	30590	6.911	ug/l		90
10) Methyl Iodide	4.340	142	32788	6.271	ug/l		91
11) Tert butyl alcohol	5.275	59	69714	42.268	ug/l		96
12) 1,1-Dichloroethene	4.110	96	33962	7.711	ug/l		97
13) Acrolein	3.975	56	22671	34.377	ug/l		90
14) Allyl chloride	4.751	41	66418	6.887	ug/l		90
15) Acrylonitrile	5.463	53	136317	35.797	ug/l		96
16) Acetone	4.216	43	116705	33.780	ug/l		99
17) Carbon Disulfide	4.457	76	79189	6.927	ug/l		97
18) Methyl Acetate	4.763	43	76516	8.012	ug/l		92
19) Methyl tert-butyl Ether	5.528	73	127324	7.534	ug/l		98
20) Methylene Chloride	5.016	84	43443	7.471	ug/l		94
21) trans-1,2-Dichloroethene	5.504	96	37893	7.835	ug/l		98
22) Diisopropyl ether	6.410	45	146203	7.998	ug/l	#	89
23) Vinyl Acetate	6.340	43	612892	36.494	ug/l	#	92
24) 1,1-Dichloroethane	6.298	63	70823	7.499	ug/l		98
25) 2-Butanone	7.263	43	193107	34.632	ug/l	#	88
26) 2,2-Dichloropropane	7.245	77	61479	7.295	ug/l		97
27) cis-1,2-Dichloroethene	7.240	96	41197	7.075	ug/l		91
28) Bromochloromethane	7.581	49	31149	8.539	ug/l	#	70
29) Tetrahydrofuran	7.610	42	126268	34.161	ug/l		88
30) Chloroform	7.740	83	65585	6.949	ug/l		97
31) Cyclohexane	8.016	56	76788	8.623	ug/l	#	86
32) 1,1,1-Trichloroethane	7.940	97	57636	7.024	ug/l		93
36) 1,1-Dichloropropene	8.145	75	49668	6.786	ug/l		96
37) Ethyl Acetate	7.328	43	76188	6.465	ug/l	#	93
38) Carbon Tetrachloride	8.140	117	46225	6.127	ug/l	#	81
39) Methylcyclohexane	9.392	83	60273	6.792	ug/l	#	84
40) Benzene	8.387	78	155390	6.734	ug/l		96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091522\
Data File : VN074453.D
Acq On : 15 Sep 2022 10:36
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 15 19:06:40 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 15 19:05:53 2022
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 09/16/2022
Supervised By :Mahesh Dadoda 09/16/2022

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.563	41	35583	6.384 ug/l		91
42) 1,2-Dichloroethane	8.457	62	55441	6.817 ug/l		100
43) Isopropyl Acetate	8.492	43	121034	7.128 ug/l	#	93
44) Trichloroethene	9.151	130	35915	6.371 ug/l		94
45) 1,2-Dichloropropane	9.422	63	44848	7.506 ug/l		91
46) Dibromomethane	9.516	93	27710	6.989 ug/l	#	79
47) Bromodichloromethane	9.698	83	53092	6.738 ug/l	#	91
48) Methyl methacrylate	9.492	41	50518	6.575 ug/l		93
49) 1,4-Dioxane	9.504	88	18595	110.353 ug/l	#	87
51) 4-Methyl-2-Pentanone	10.269	43	383701	34.372 ug/l		91
52) Toluene	10.445	92	90162	6.391 ug/l		98
53) t-1,3-Dichloropropene	10.663	75	62543	7.280 ug/l		92
54) cis-1,3-Dichloropropene	10.128	75	64825	6.920 ug/l		92
55) 1,1,2-Trichloroethane	10.839	97	37444	6.094 ug/l		91
56) Ethyl methacrylate	10.698	69	71191	7.120 ug/l	#	85
57) 1,3-Dichloropropane	10.986	76	68586	6.664 ug/l		99
58) 2-Chloroethyl Vinyl ether	9.981	63	151692	34.409 ug/l		91
59) 2-Hexanone	11.028	43	287095	33.334 ug/l		88
60) Dibromochloromethane	11.175	129	36558	6.355 ug/l		99
61) 1,2-Dibromoethane	11.280	107	37902	6.285 ug/l		95
64) Tetrachloroethene	10.916	164	26337	6.023 ug/l	#	84
65) Chlorobenzene	11.710	112	94534	6.579 ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.786	131	33365	6.151 ug/l		90
67) Ethyl Benzene	11.786	91	171760	6.718 ug/l		100
68) m/p-Xylenes	11.892	106	123987	12.422 ug/l		97
69) o-Xylene	12.222	106	64019	6.402 ug/l		97
70) Styrene	12.233	104	106161	6.589 ug/l		99
71) Bromoform	12.398	173	24980	6.142 ug/l	#	95
73) Isopropylbenzene	12.522	105	155149	6.664 ug/l		99
74) N-amyl acetate	12.327	43	99878	8.034 ug/l		89
75) 1,1,2,2-Tetrachloroethane	12.769	83	66154	7.780 ug/l		95
76) 1,2,3-Trichloropropane	12.822	75	46610m	6.369 ug/l		
77) Bromobenzene	12.798	156	33772	6.216 ug/l		78
78) n-propylbenzene	12.863	91	181525	6.978 ug/l		95
79) 2-Chlorotoluene	12.951	91	111915	6.741 ug/l		100
80) 1,3,5-Trimethylbenzene	13.004	105	127564	6.679 ug/l		97
81) trans-1,4-Dichloro-2-b...	12.569	75	20889	7.392 ug/l		88
82) 4-Chlorotoluene	13.045	91	102289	6.519 ug/l		96
83) tert-Butylbenzene	13.263	119	118837	6.825 ug/l		94
84) 1,2,4-Trimethylbenzene	13.310	105	131787	6.919 ug/l		96
85) sec-Butylbenzene	13.445	105	154350	6.567 ug/l		95
86) p-Isopropyltoluene	13.557	119	117408	6.214 ug/l		96
87) 1,3-Dichlorobenzene	13.557	146	60493	6.151 ug/l		97
88) 1,4-Dichlorobenzene	13.633	146	59281	5.993 ug/l		93
89) n-Butylbenzene	13.886	91	105982	6.739 ug/l		97
90) Hexachloroethane	14.151	117	27252	7.504 ug/l		77
91) 1,2-Dichlorobenzene	13.927	146	62660	6.146 ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.545	75	15126	6.766 ug/l		67
93) 1,2,4-Trichlorobenzene	15.198	180	27857	5.057 ug/l		91
94) Hexachlorobutadiene	15.304	225	14350	6.013 ug/l		97
95) Naphthalene	15.433	128	110077	4.860 ug/l		99
96) 1,2,3-Trichlorobenzene	15.621	180	27124	4.595 ug/l		96

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091522\
Data File : VN074453.D
Acq On : 15 Sep 2022 10:36
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 15 19:06:40 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 15 19:05:53 2022
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 09/16/2022
Supervised By :Mahesh Dadoda 09/16/2022

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

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

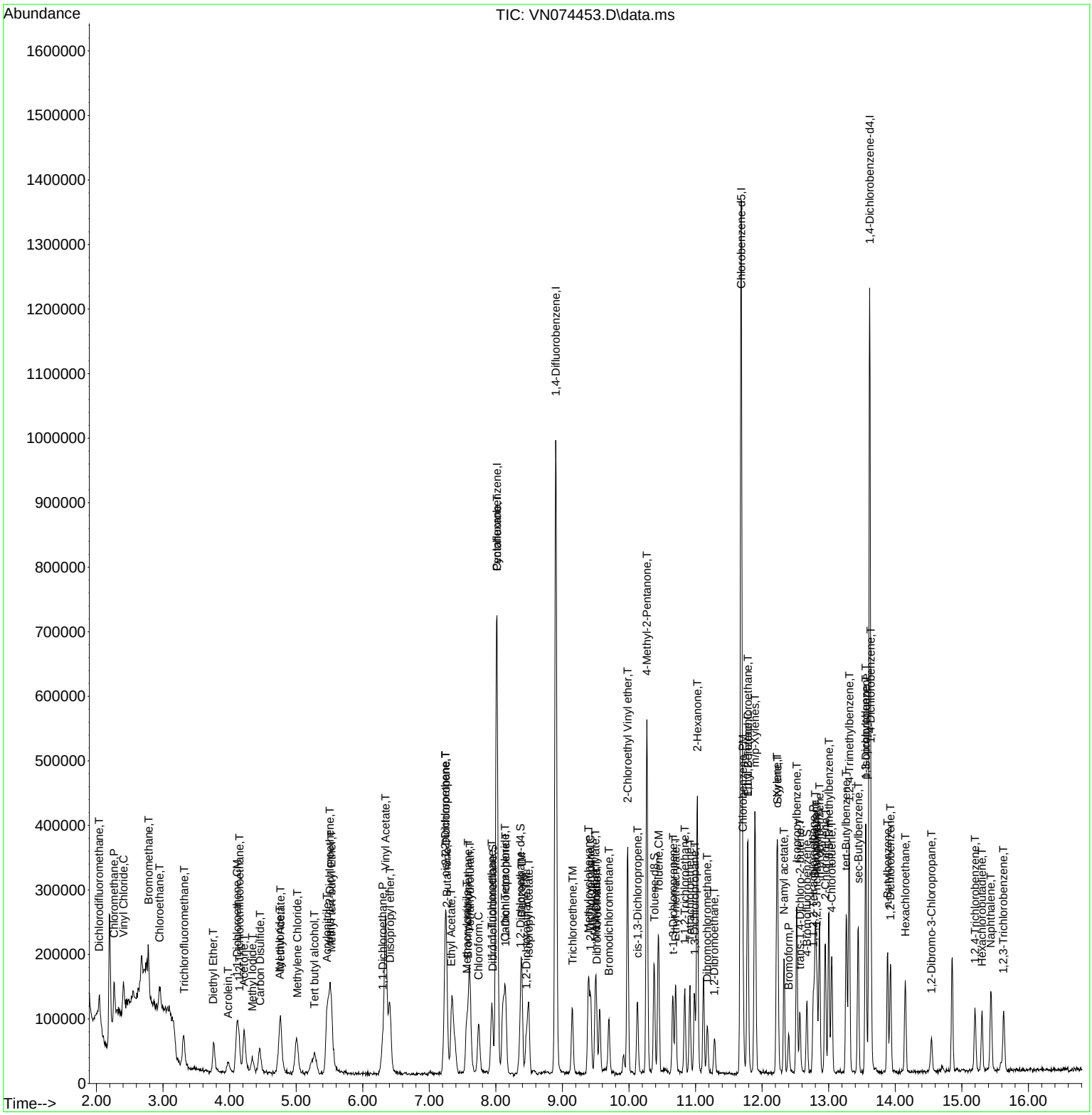
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091522\
Data File : VN074453.D
Acq On : 15 Sep 2022 10:36
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

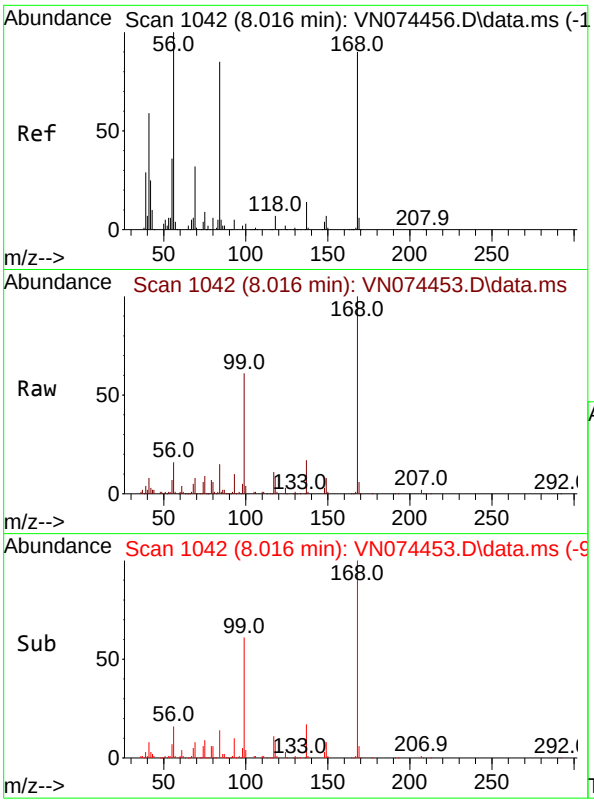
Quant Time: Sep 15 19:06:40 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 15 19:05:53 2022
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 09/16/2022
Supervised By :Mahesh Dadoda 09/16/2022

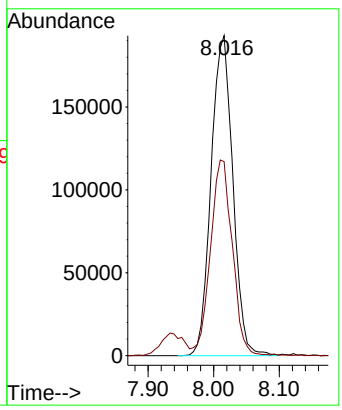




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074453.D
Acq: 15 Sep 2022 10:36

Tgt Ion:168 Resp: 44364

Ion	Ratio	Lower	Upper
168	100		
99	60.5	42.3	63.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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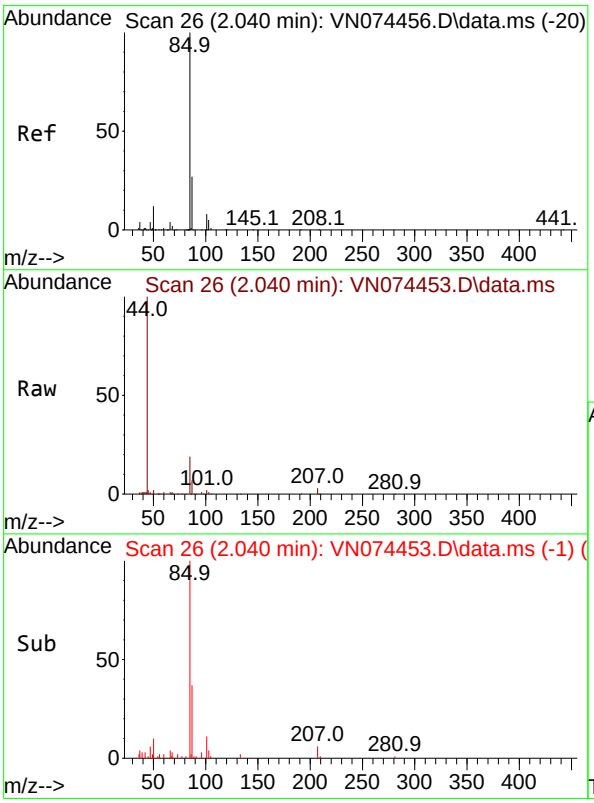
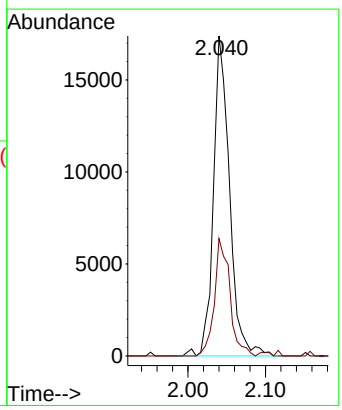
Reviewed By :John Carlone 09/16/2022
Supervised By :Mahesh Dadoda 09/16/2022

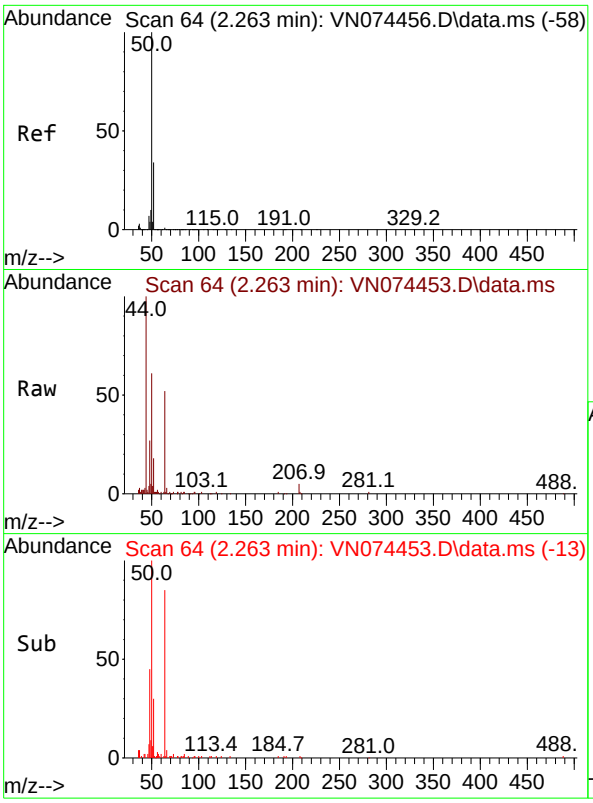


#2
Dichlorodifluoromethane
Concen: 6.027 ug/l
RT: 2.040 min Scan# 26
Delta R.T. 0.000 min
Lab File: VN074453.D
Acq: 15 Sep 2022 10:36

Tgt Ion: 85 Resp: 25139

Ion	Ratio	Lower	Upper
85	100		
87	36.7	15.7	47.1

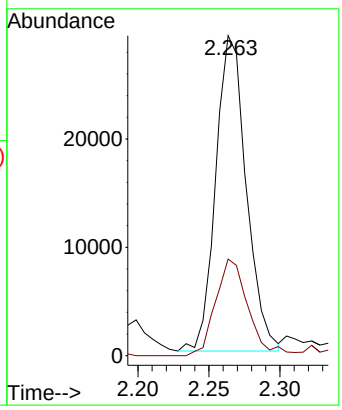




#3
Chloromethane
Concen: 8.299 ug/l
RT: 2.263 min Scan# 64
Delta R.T. 0.000 min
Lab File: VN074453.D
Acq: 15 Sep 2022 10:36

Tgt Ion: 50 Resp: 4357

Ion	Ratio	Lower	Upper
50	100		
52	30.6	25.7	38.5



Instrument :
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ClientSampleId :
VSTDICC005

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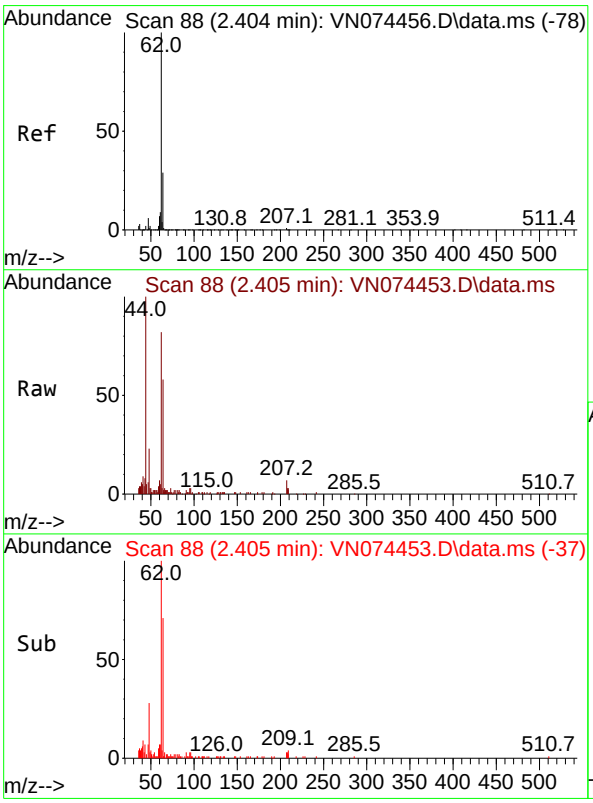
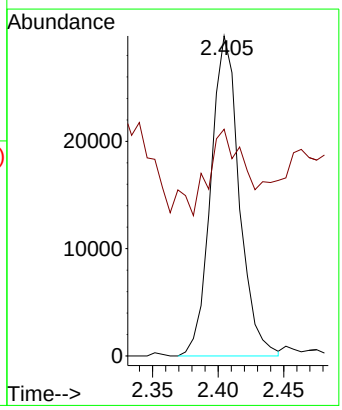
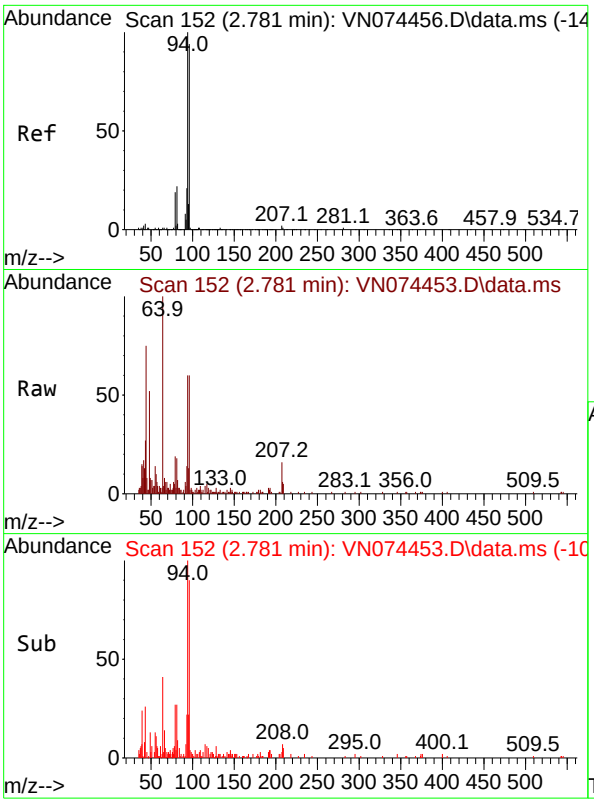


#4
Vinyl Chloride
Concen: 10.263 ug/l
RT: 2.405 min Scan# 88
Delta R.T. 0.000 min
Lab File: VN074453.D
Acq: 15 Sep 2022 10:36

Tgt Ion: 62 Resp: 45009

Ion	Ratio	Lower	Upper
62	100		
64	19.0	25.0	37.4#

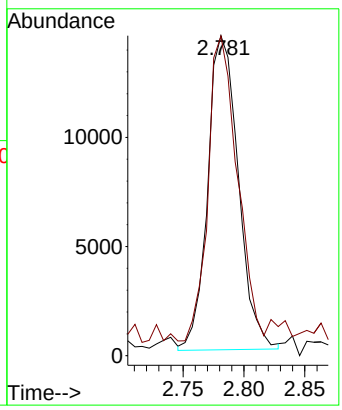




#5
Bromomethane
Concen: 12.556 ug/l
RT: 2.781 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074453.D
Acq: 15 Sep 2022 10:36

Tgt Ion: 94 Resp: 2526

Ion	Ratio	Lower	Upper
94	100		
96	98.2	76.0	114.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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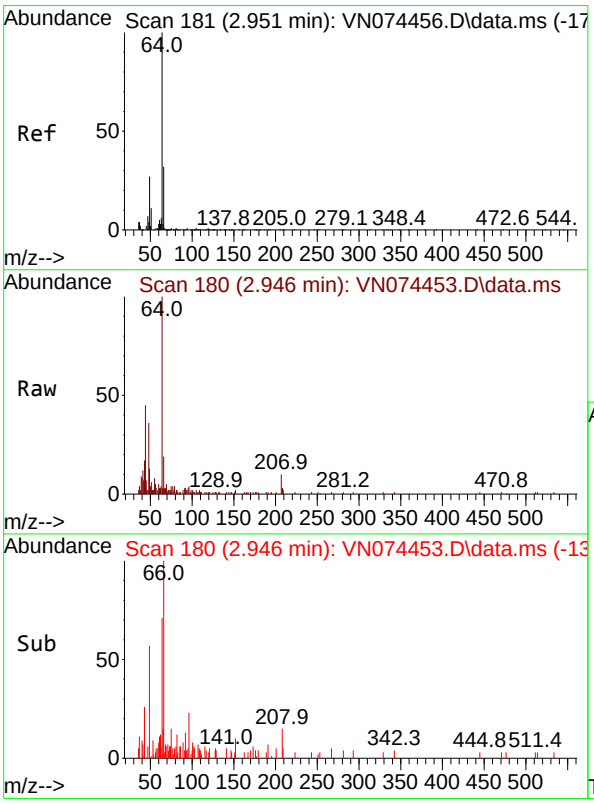
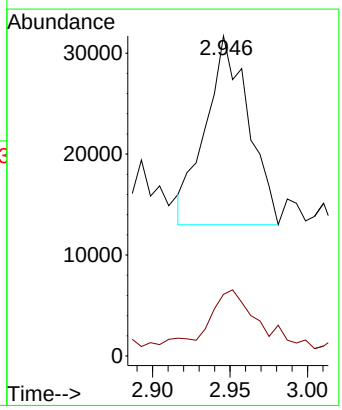
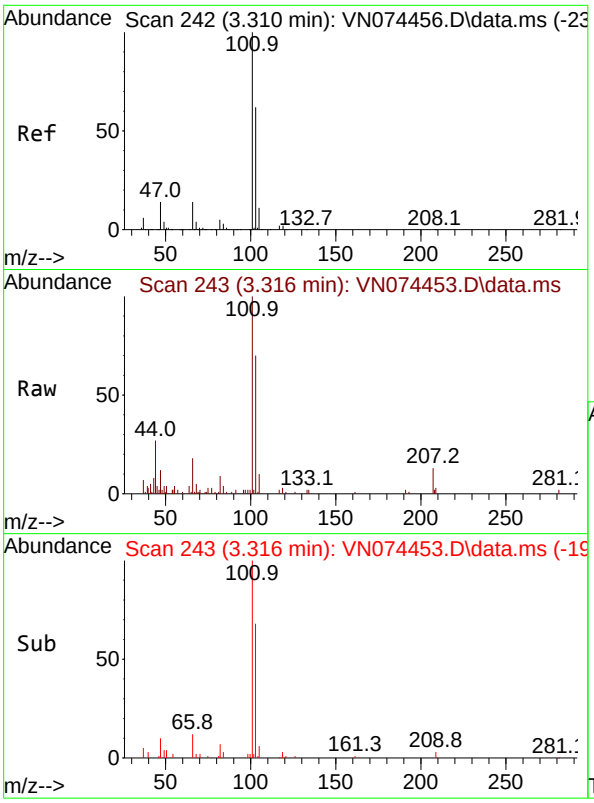


#6
Chloroethane
Concen: 12.703 ug/l
RT: 2.946 min Scan# 180
Delta R.T. -0.006 min
Lab File: VN074453.D
Acq: 15 Sep 2022 10:36

Tgt Ion: 64 Resp: 35884

Ion	Ratio	Lower	Upper
64	100		
66	23.3	26.2	39.4#





#7
Trichlorofluoromethane
Concen: 7.406 ug/l
RT: 3.316 min Scan# 24
Delta R.T. 0.006 min
Lab File: VN074453.D
Acq: 15 Sep 2022 10:36

Tgt Ion:101 Resp: 4899

Ion	Ratio	Lower	Upper
101	100		
103	70.5	51.5	77.3

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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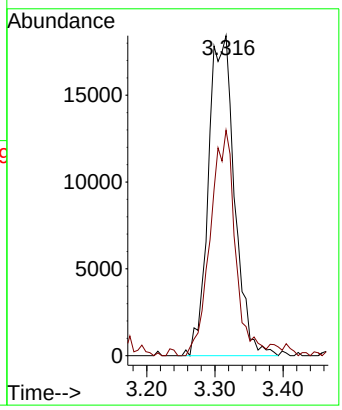
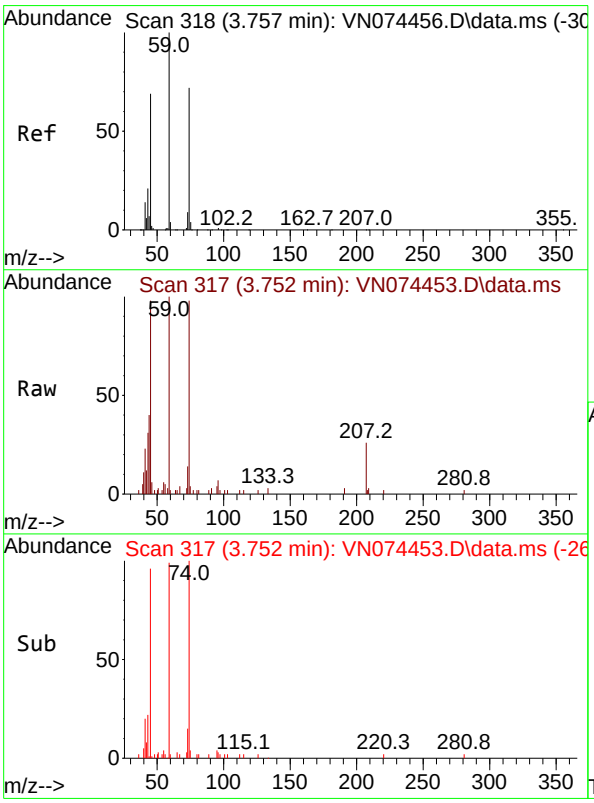
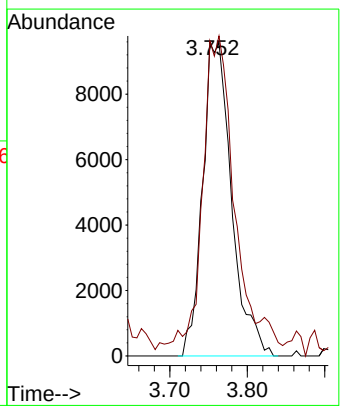


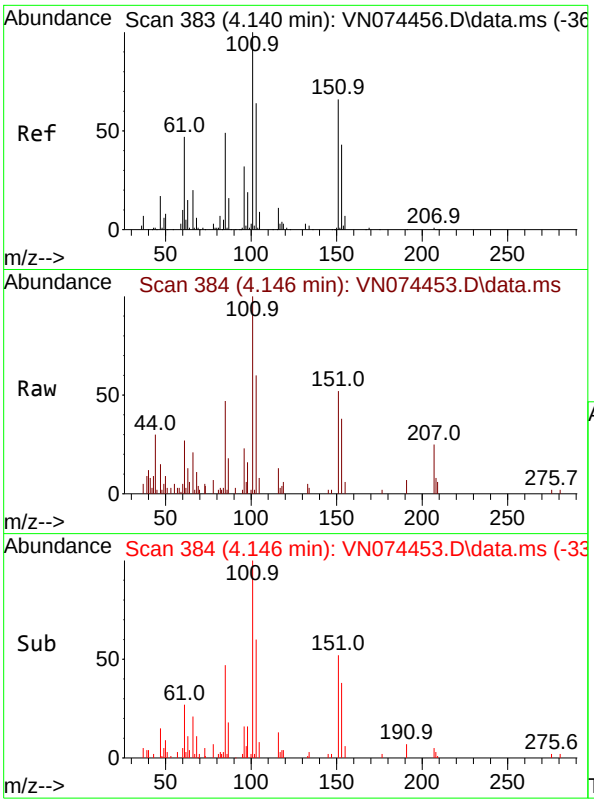


#8
Diethyl Ether
Concen: 7.424 ug/l
RT: 3.752 min Scan# 317
Delta R.T. -0.006 min
Lab File: VN074453.D
Acq: 15 Sep 2022 10:36

Tgt Ion: 74 Resp: 24934

Ion	Ratio	Lower	Upper
74	100		
45	109.5	42.9	128.5

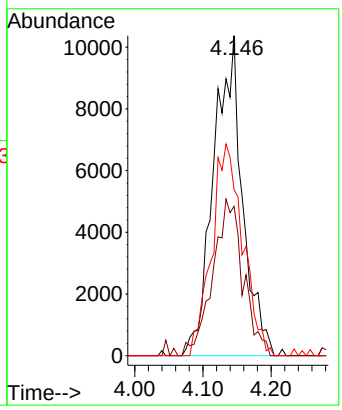




#9
1,1,2-Trichlorotrifluoroethane
Concen: 6.911 ug/l
RT: 4.146 min Scan# 3
Delta R.T. 0.006 min
Lab File: VN074453.D
Acq: 15 Sep 2022 10:36

Tgt Ion:101 Resp: 3059

Ion	Ratio	Lower	Upper
101	100		
85	51.4	34.7	52.1
151	71.2	63.0	94.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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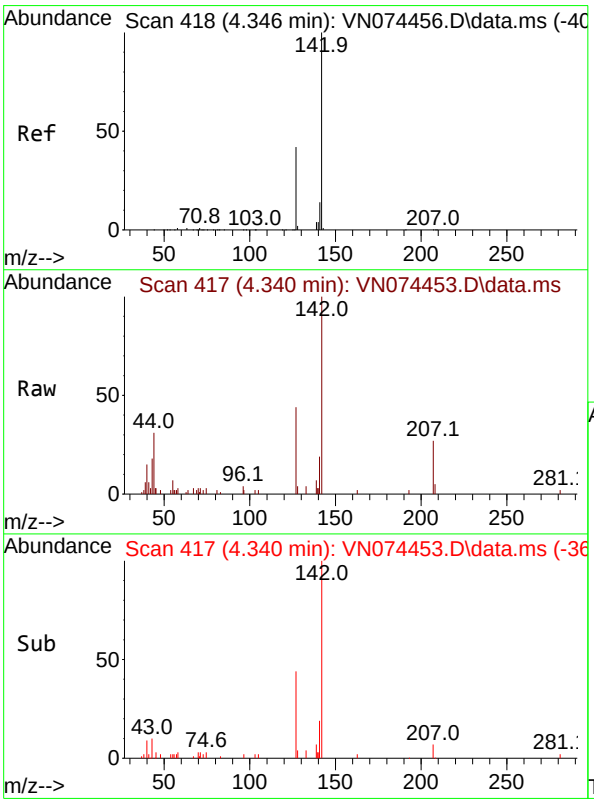
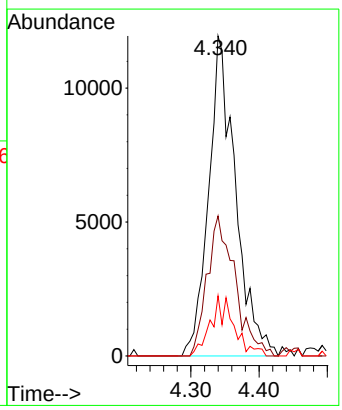
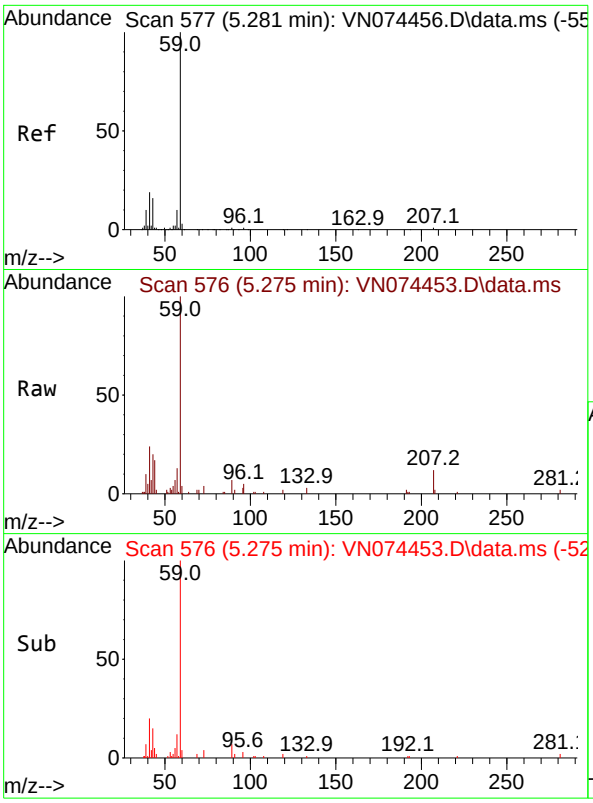


#10
Methyl Iodide
Concen: 6.271 ug/l
RT: 4.340 min Scan# 417
Delta R.T. -0.006 min
Lab File: VN074453.D
Acq: 15 Sep 2022 10:36

Tgt Ion:142 Resp: 32788

Ion	Ratio	Lower	Upper
142	100		
127	45.5	31.3	46.9
141	16.3	11.2	16.8

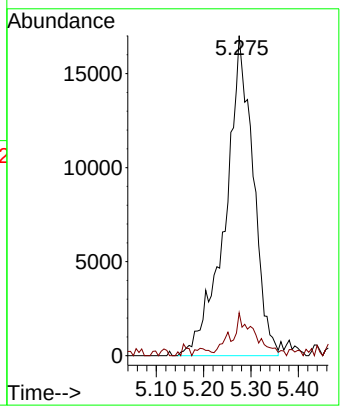




#11
Tert butyl alcohol
Concen: 42.268 ug/l
RT: 5.275 min Scan# 5
Delta R.T. -0.006 min
Lab File: VN074453.D
Acq: 15 Sep 2022 10:36

Tgt Ion: 59 Resp: 6971

Ion	Ratio	Lower	Upper
59	100		
57	8.9	8.3	12.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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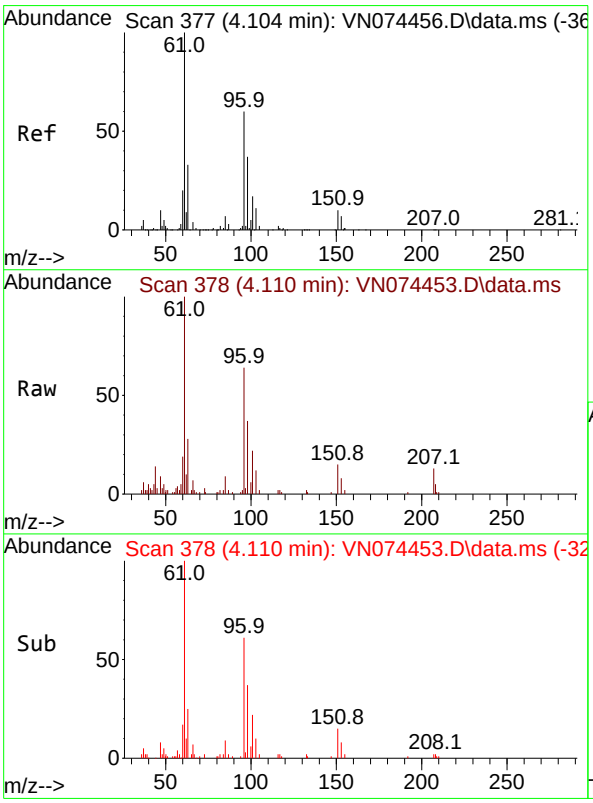
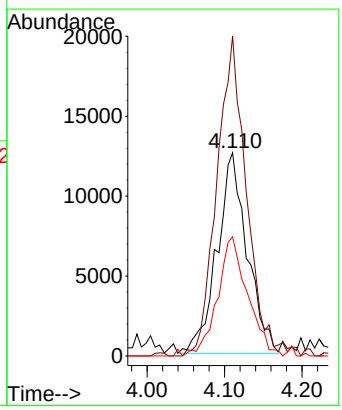
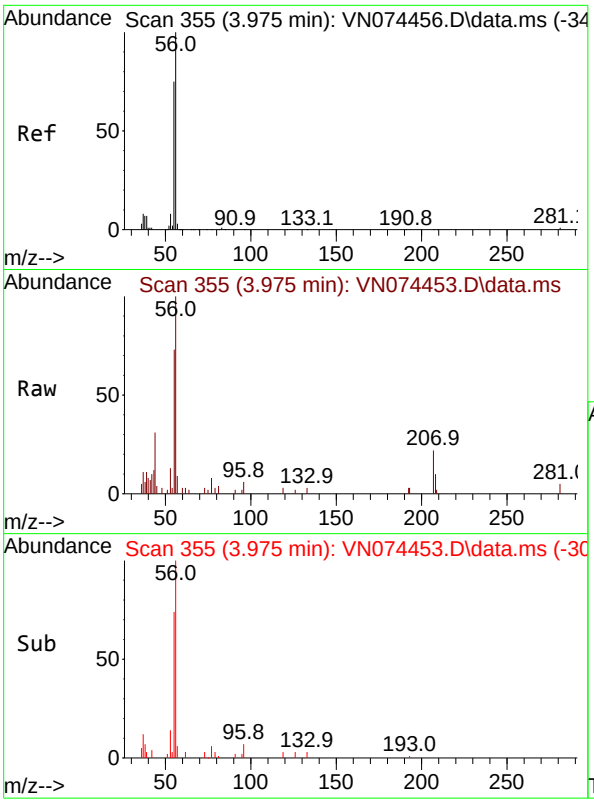


#12
1,1-Dichloroethene
Concen: 7.711 ug/l
RT: 4.110 min Scan# 378
Delta R.T. 0.006 min
Lab File: VN074453.D
Acq: 15 Sep 2022 10:36

Tgt Ion: 96 Resp: 33962

Ion	Ratio	Lower	Upper
96	100		
61	159.5	127.6	191.4
98	56.6	51.2	76.8

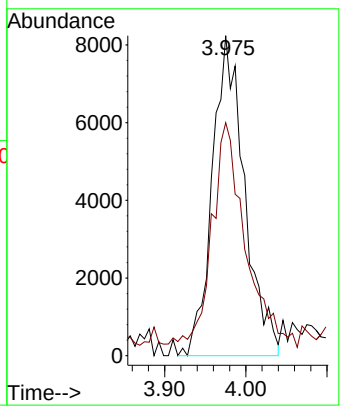




#13
Acrolein
Concen: 34.377 ug/l
RT: 3.975 min Scan# 3
Delta R.T. 0.000 min
Lab File: VN074453.D
Acq: 15 Sep 2022 10:36

Tgt Ion: 56 Resp: 2267

Ion	Ratio	Lower	Upper
56	100		
55	77.0	54.8	82.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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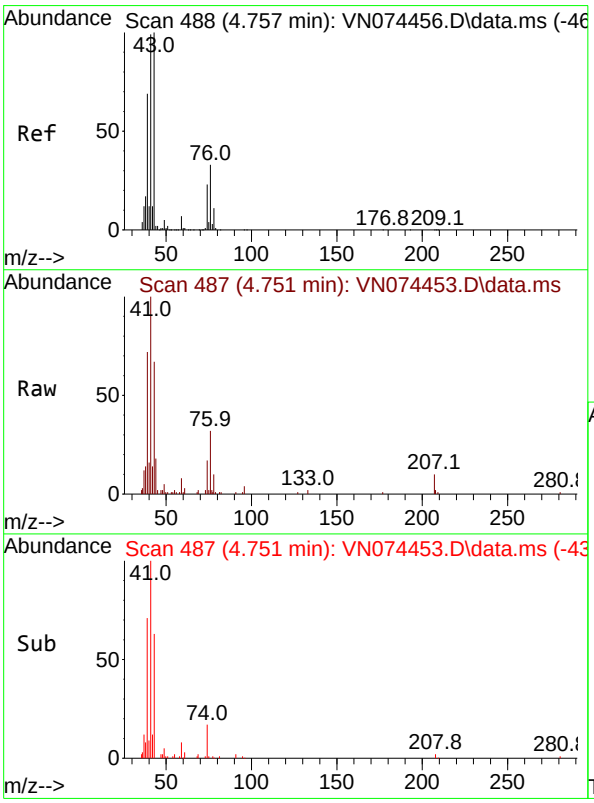
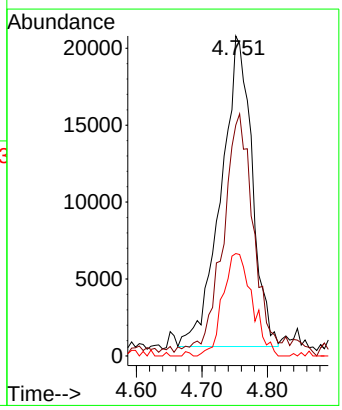
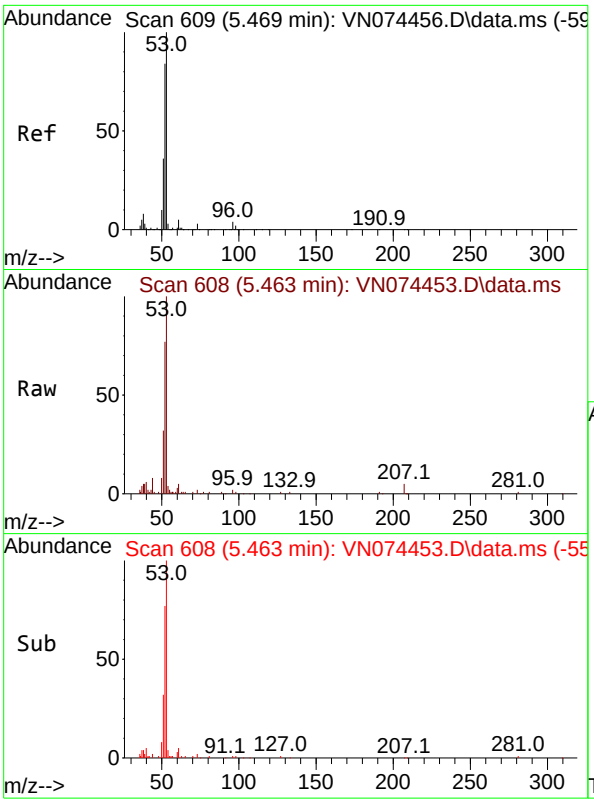


#14
Allyl chloride
Concen: 6.887 ug/l
RT: 4.751 min Scan# 487
Delta R.T. -0.006 min
Lab File: VN074453.D
Acq: 15 Sep 2022 10:36

Tgt Ion: 41 Resp: 66418

Ion	Ratio	Lower	Upper
41	100		
39	74.5	53.2	79.8
76	31.1	29.9	44.9

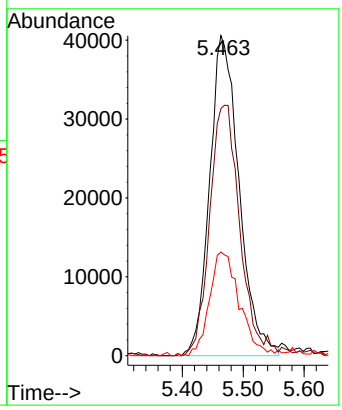




#15
Acrylonitrile
Concen: 35.797 ug/l
RT: 5.463 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN074453.D
Acq: 15 Sep 2022 10:36

Tgt Ion: 53 Resp: 13631

Ion	Ratio	Lower	Upper
53	100		
52	80.0	66.4	99.6
51	33.0	28.5	42.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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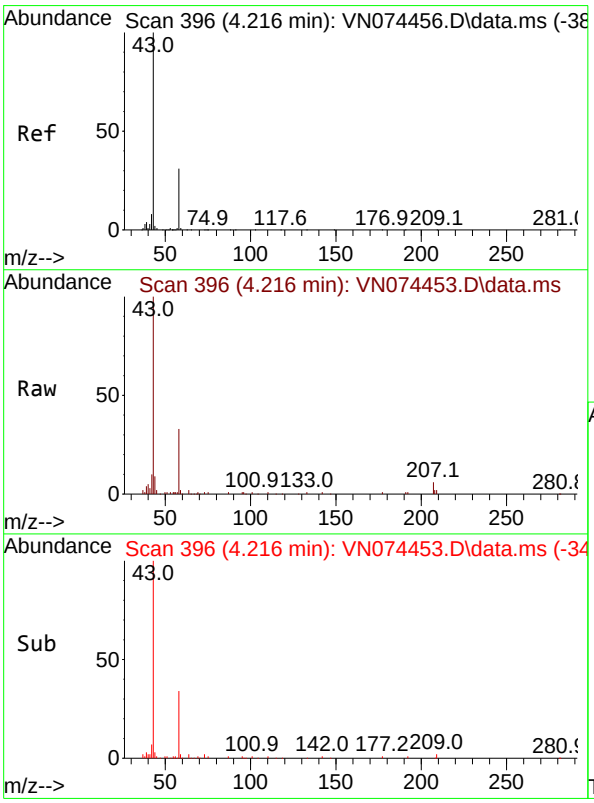
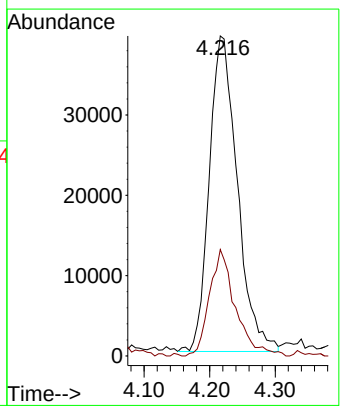
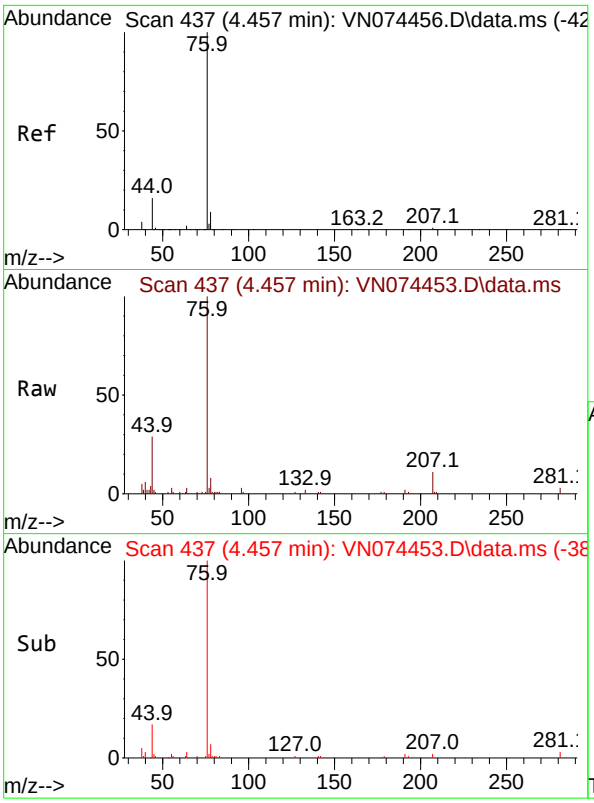


#16
Acetone
Concen: 33.780 ug/l
RT: 4.216 min Scan# 396
Delta R.T. 0.000 min
Lab File: VN074453.D
Acq: 15 Sep 2022 10:36

Tgt Ion: 43 Resp: 116705

Ion	Ratio	Lower	Upper
43	100		
58	33.2	26.0	39.0

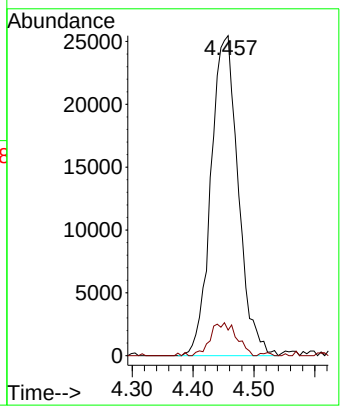




#17
Carbon Disulfide
Concen: 6.927 ug/l
RT: 4.457 min Scan# 4
Delta R.T. 0.000 min
Lab File: VN074453.D
Acq: 15 Sep 2022 10:36

Tgt Ion: 76 Resp: 7918

Ion	Ratio	Lower	Upper
76	100		
78	8.0	7.2	10.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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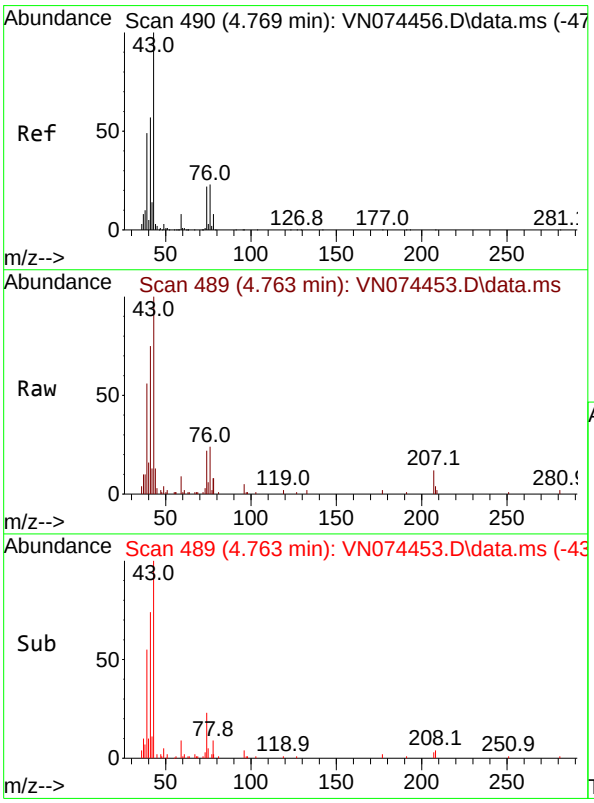
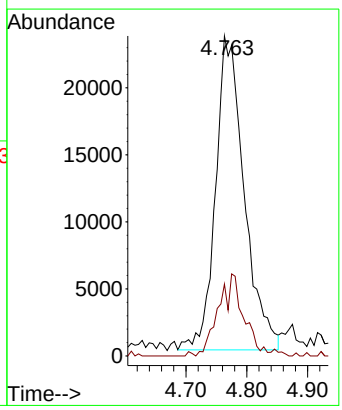
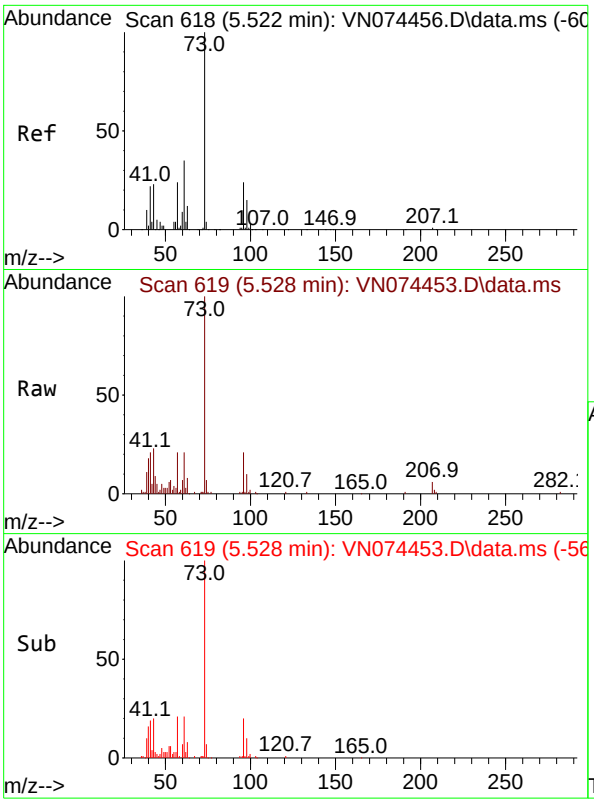


#18
Methyl Acetate
Concen: 8.012 ug/l
RT: 4.763 min Scan# 489
Delta R.T. -0.006 min
Lab File: VN074453.D
Acq: 15 Sep 2022 10:36

Tgt Ion: 43 Resp: 76516

Ion	Ratio	Lower	Upper
43	100		
74	23.0	21.6	32.4

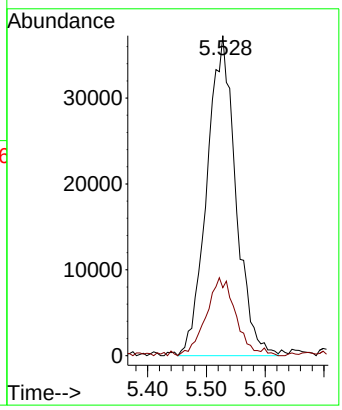




#19
Methyl tert-butyl Ether
Concen: 7.534 ug/l
RT: 5.528 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN074453.D
Acq: 15 Sep 2022 10:36

Tgt Ion: 73 Resp: 12732

Ion	Ratio	Lower	Upper
73	100		
57	21.2	17.6	26.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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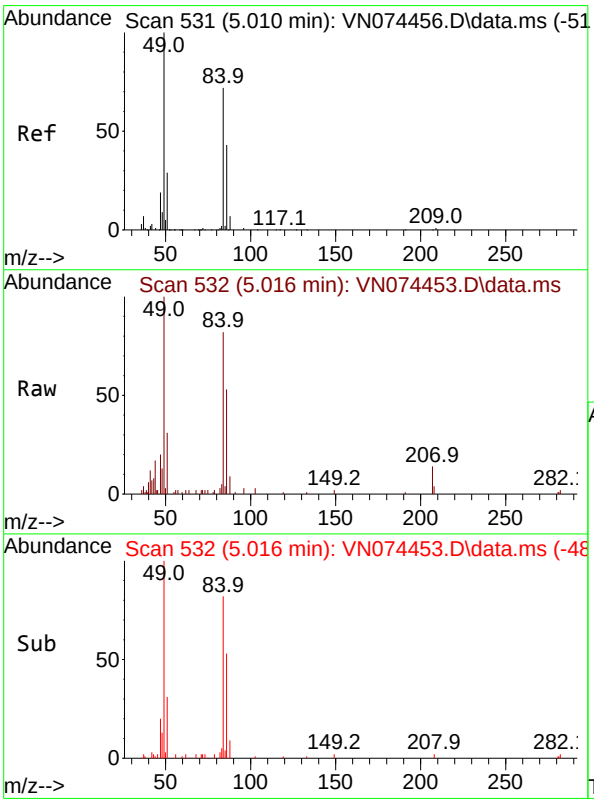
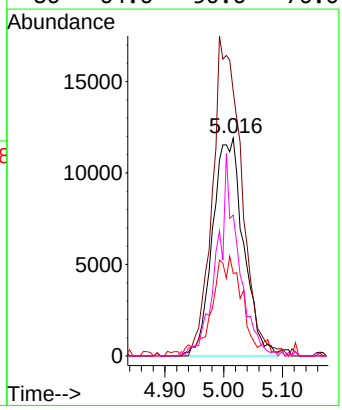
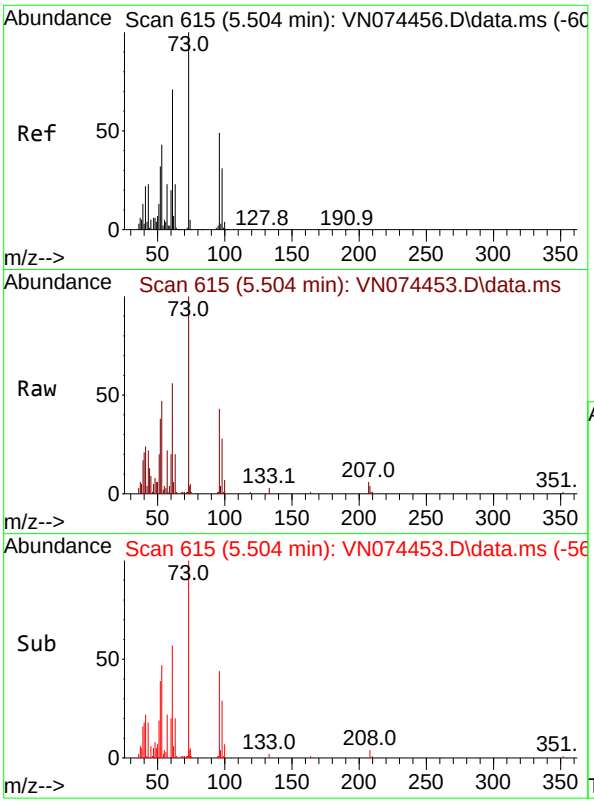


#20
Methylene Chloride
Concen: 7.471 ug/l
RT: 5.016 min Scan# 532
Delta R.T. 0.006 min
Lab File: VN074453.D
Acq: 15 Sep 2022 10:36

Tgt Ion: 84 Resp: 43443

Ion	Ratio	Lower	Upper
84	100		
49	121.4	88.3	132.5
51	36.5	28.2	42.2
86	64.6	50.6	76.0

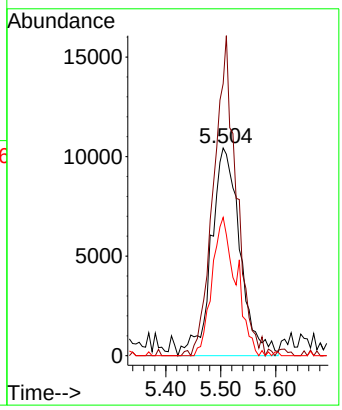




#21
trans-1,2-Dichloroethene
Concen: 7.835 ug/l
RT: 5.504 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN074453.D
Acq: 15 Sep 2022 10:36

Tgt Ion: 96 Resp: 3789

Ion	Ratio	Lower	Upper
96	100		
61	131.0	105.8	158.8
98	66.6	50.3	75.5



Instrument :
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ClientSampleId :
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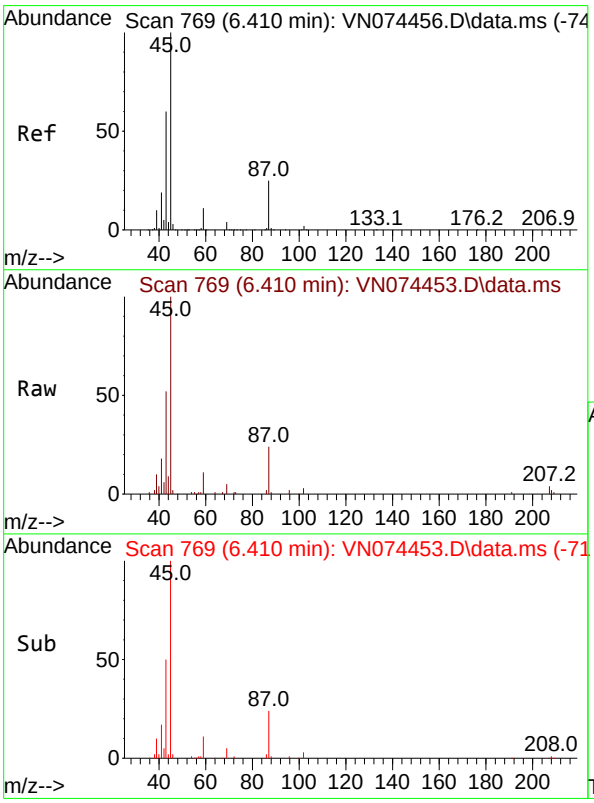
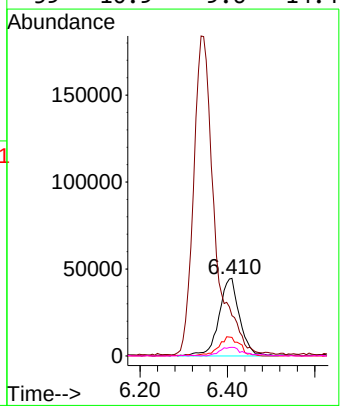
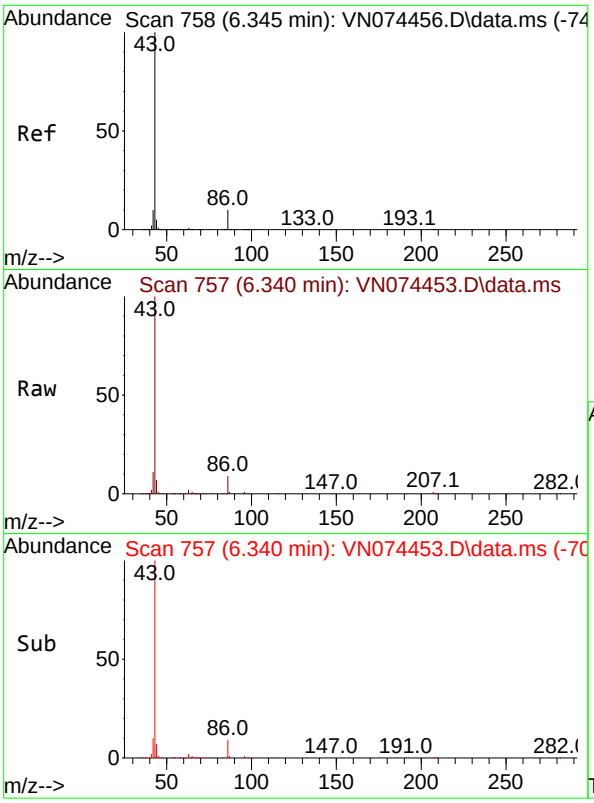


#22
Diisopropyl ether
Concen: 7.998 ug/l
RT: 6.410 min Scan# 769
Delta R.T. 0.000 min
Lab File: VN074453.D
Acq: 15 Sep 2022 10:36

Tgt Ion: 45 Resp: 146203

Ion	Ratio	Lower	Upper
45	100		
43	49.5	46.6	70.0
87	24.0	24.3	36.5#
59	10.9	9.6	14.4

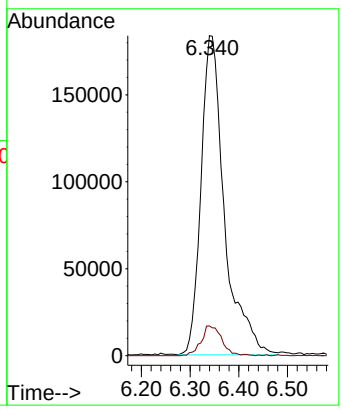




#23
Vinyl Acetate
Concen: 36.494 ug/l
RT: 6.340 min Scan# 7
Delta R.T. -0.006 min
Lab File: VN074453.D
Acq: 15 Sep 2022 10:36

Tgt Ion: 43 Resp: 61289

Ion	Ratio	Lower	Upper
43	100		
86	9.2	10.0	15.0#



Instrument :
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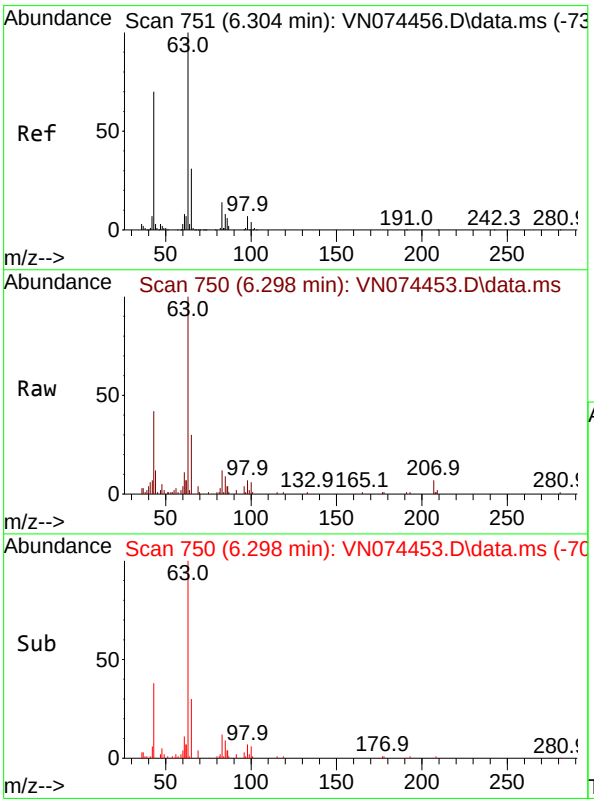
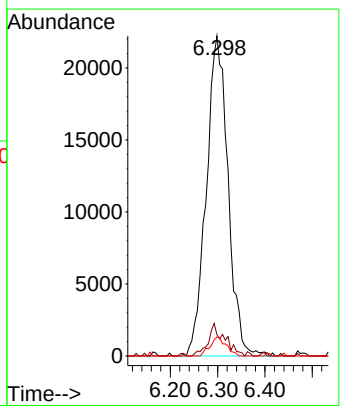
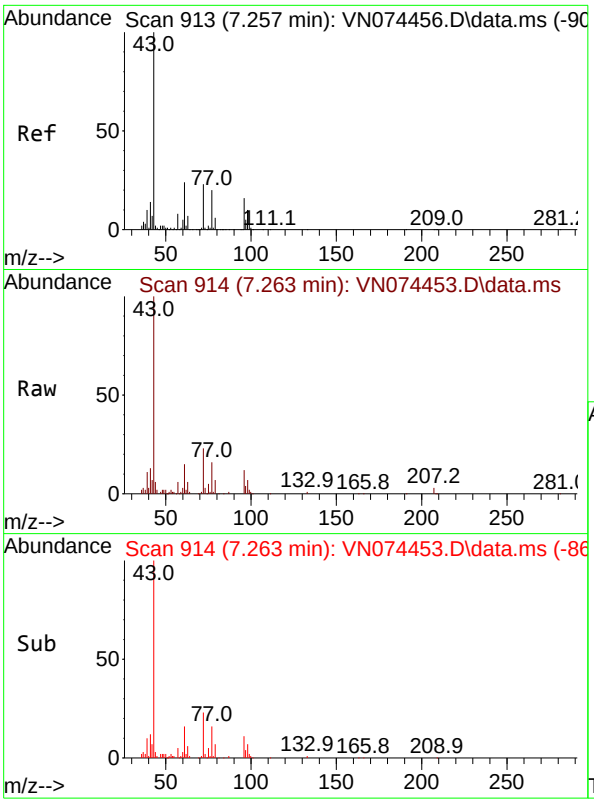


#24
1,1-Dichloroethane
Concen: 7.499 ug/l
RT: 6.298 min Scan# 750
Delta R.T. -0.006 min
Lab File: VN074453.D
Acq: 15 Sep 2022 10:36

Tgt Ion: 63 Resp: 70823

Ion	Ratio	Lower	Upper
63	100		
98	6.7	3.5	10.4
100	6.0	2.3	6.8





#25
2-Butanone
Concen: 34.632 ug/l
RT: 7.263 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN074453.D
Acq: 15 Sep 2022 10:36

Tgt Ion: 43 Resp: 19310

Ion	Ratio	Lower	Upper
43	100		
72	23.0	23.7	35.5

Instrument :
MSVOA_N
ClientSampleId :
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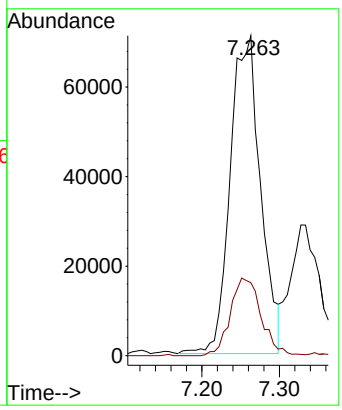
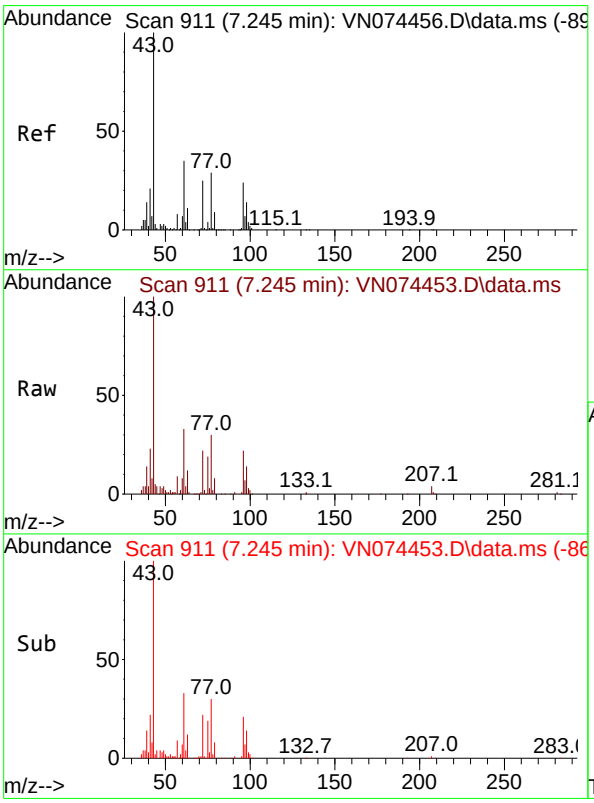
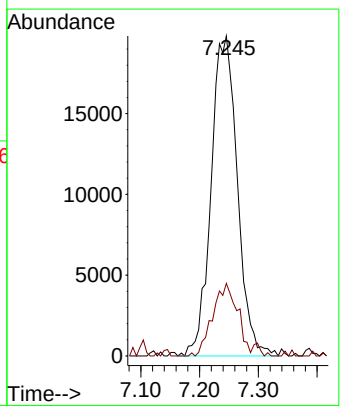


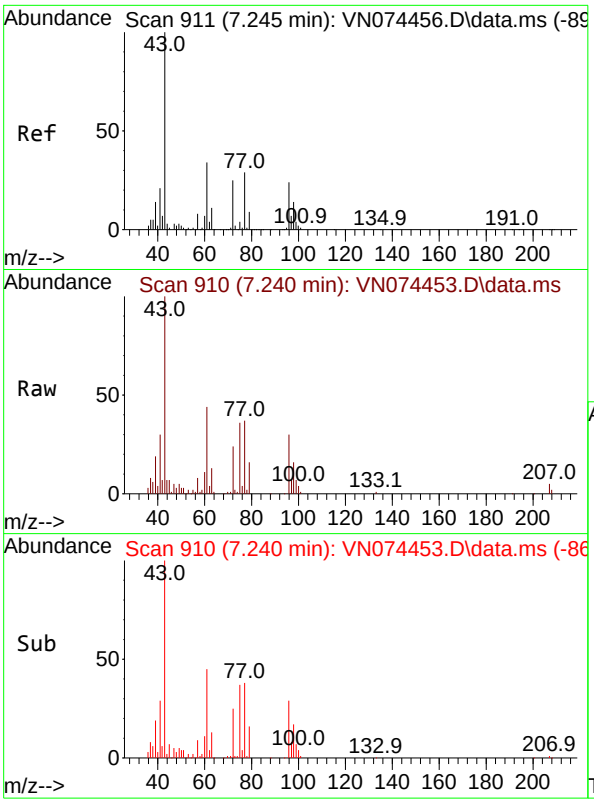


#26
2,2-Dichloropropane
Concen: 7.295 ug/l
RT: 7.245 min Scan# 911
Delta R.T. 0.000 min
Lab File: VN074453.D
Acq: 15 Sep 2022 10:36

Tgt Ion: 77 Resp: 61479

Ion	Ratio	Lower	Upper
77	100		
97	21.4	11.4	34.2

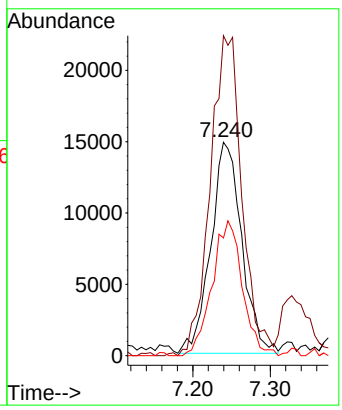




#27
cis-1,2-Dichloroethene
Concen: 7.075 ug/l
RT: 7.240 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN074453.D
Acq: 15 Sep 2022 10:36

Tgt Ion: 96 Resp: 4119

Ion	Ratio	Lower	Upper
96	100		
61	154.8	0.0	280.6
98	62.3	0.0	128.4



Instrument :
MSVOA_N
ClientSampleId :
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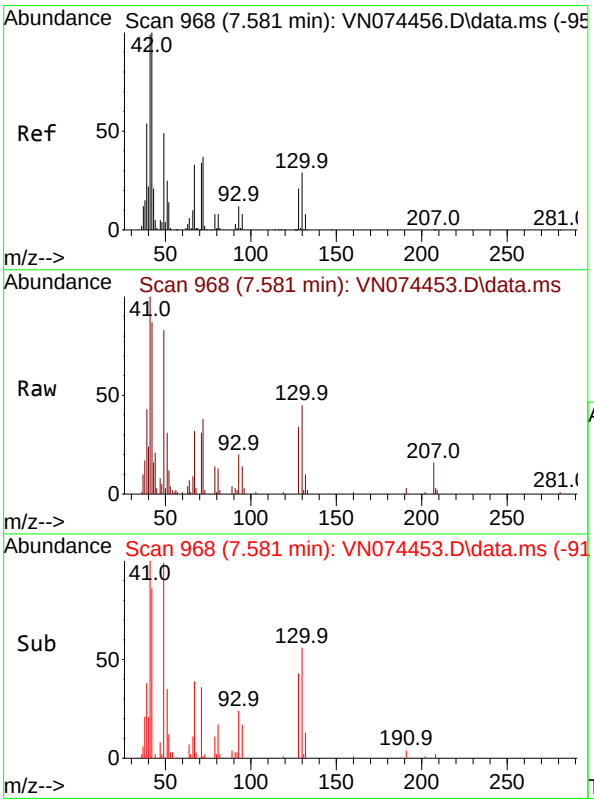
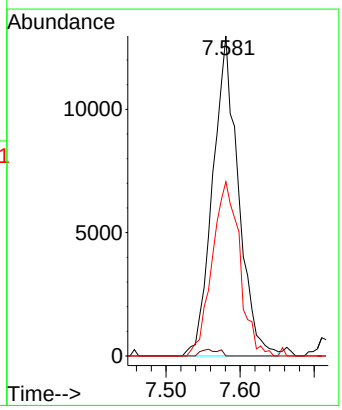
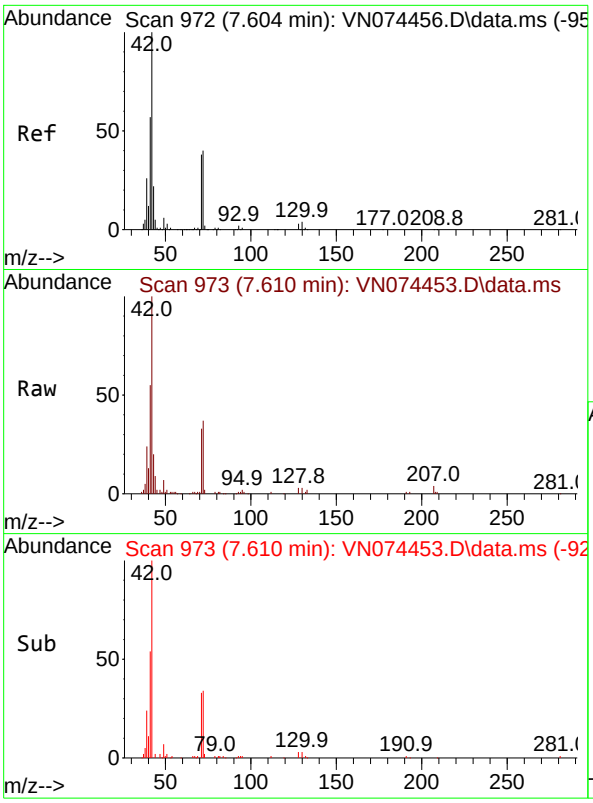


#28
Bromochloromethane
Concen: 8.539 ug/l
RT: 7.581 min Scan# 968
Delta R.T. 0.000 min
Lab File: VN074453.D
Acq: 15 Sep 2022 10:36

Tgt Ion: 49 Resp: 31149

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.6
130	58.5	69.7	104.5#

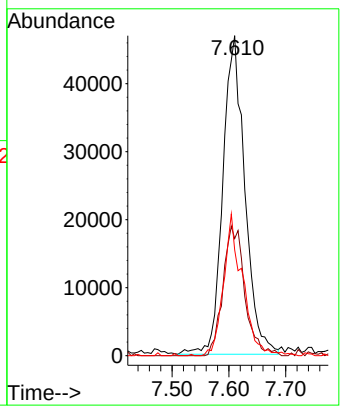




#29
Tetrahydrofuran
Concen: 34.161 ug/l
RT: 7.610 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN074453.D
Acq: 15 Sep 2022 10:36

Tgt Ion: 42 Resp: 12626

Ion	Ratio	Lower	Upper
42	100		
72	40.4	39.7	59.5
71	38.8	36.6	55.0



Instrument :
MSVOA_N
ClientSampleId :
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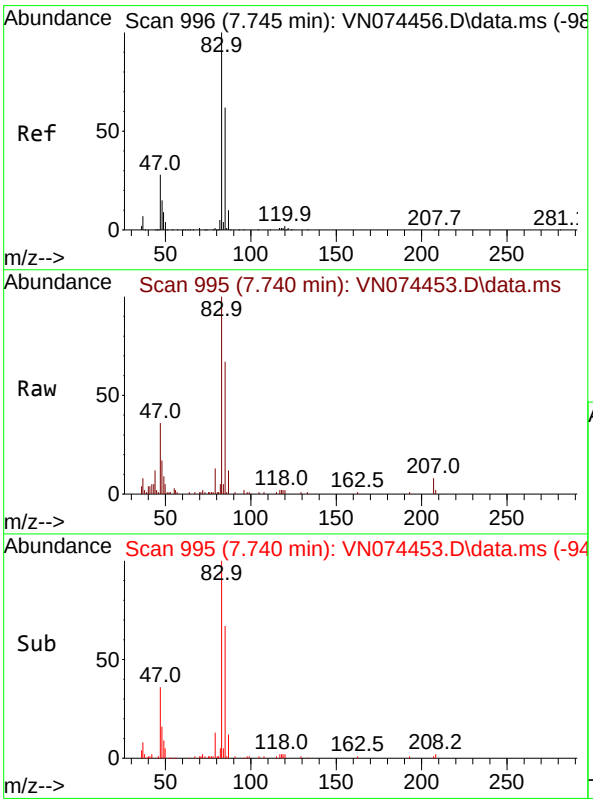
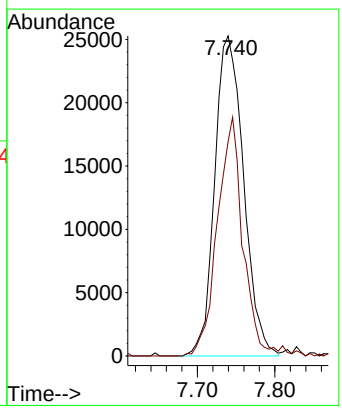
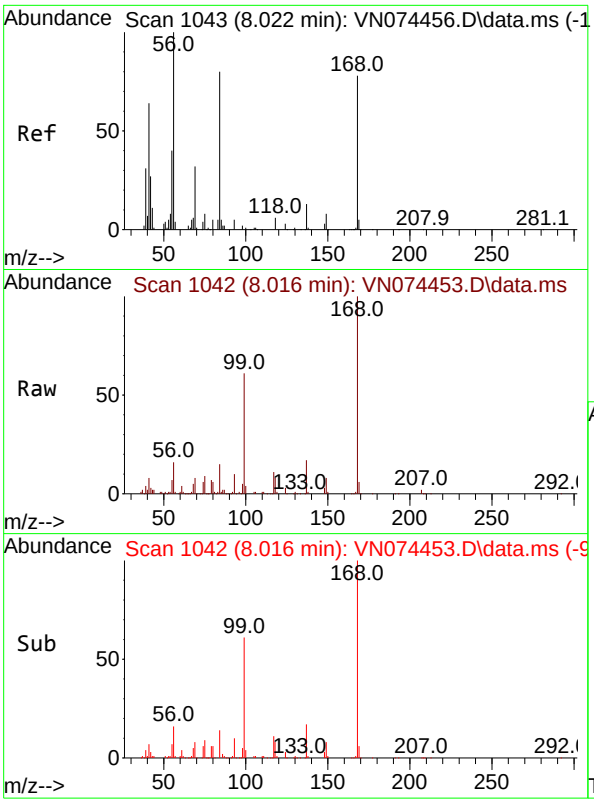


#30
Chloroform
Concen: 6.949 ug/l
RT: 7.740 min Scan# 995
Delta R.T. -0.006 min
Lab File: VN074453.D
Acq: 15 Sep 2022 10:36

Tgt Ion: 83 Resp: 65585

Ion	Ratio	Lower	Upper
83	100		
85	67.0	51.8	77.8

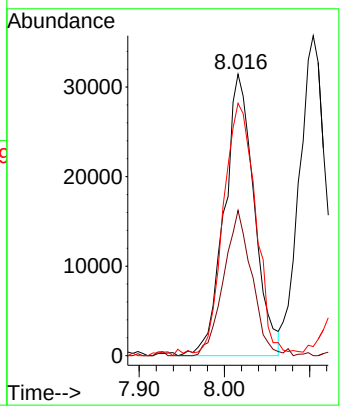




#31
Cyclohexane
Concen: 8.623 ug/l
RT: 8.016 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN074453.D
Acq: 15 Sep 2022 10:36

Tgt Ion: 56 Resp: 7678

Ion	Ratio	Lower	Upper
56	100		
69	51.6	27.8	41.8
84	87.4	76.9	115.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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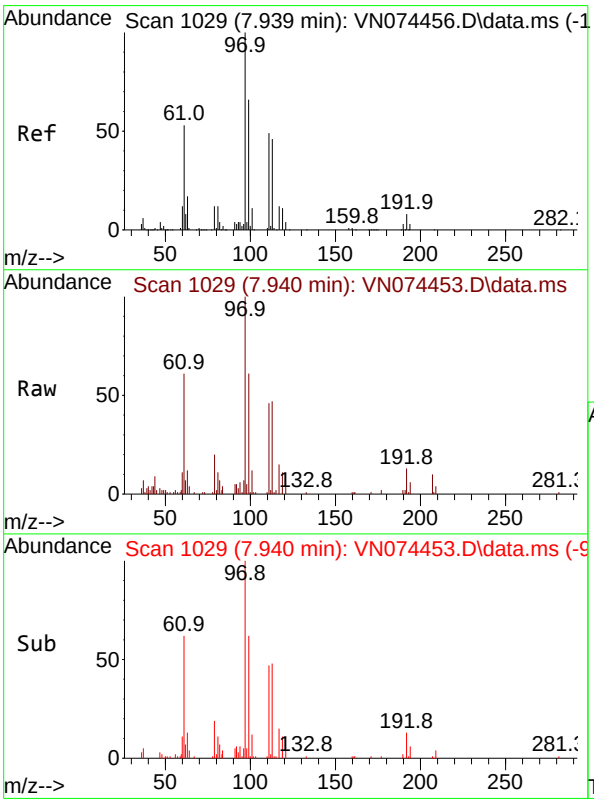
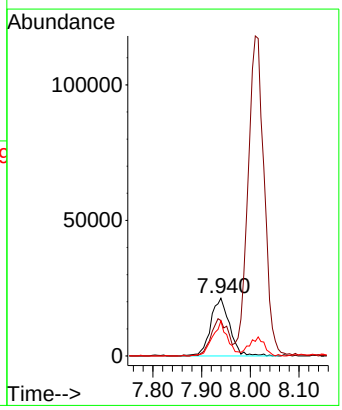
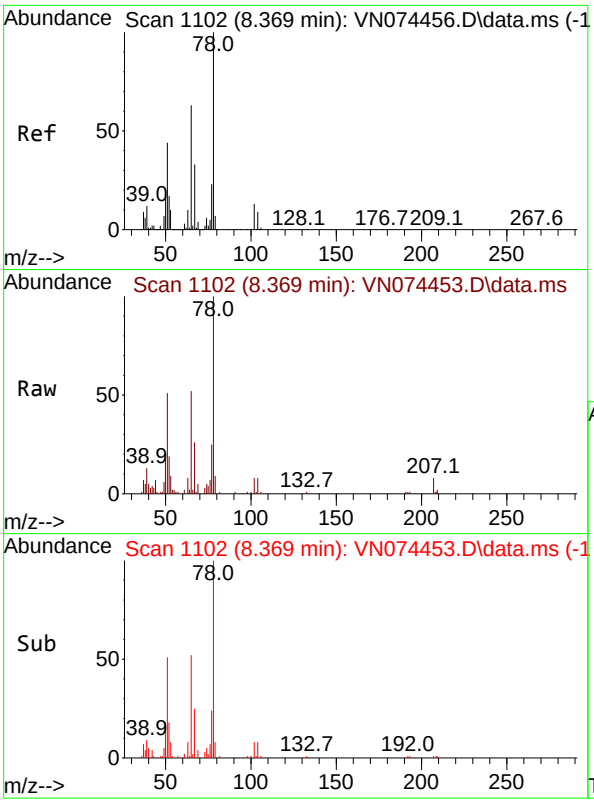


#32
1,1,1-Trichloroethane
Concen: 7.024 ug/l
RT: 7.940 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VN074453.D
Acq: 15 Sep 2022 10:36

Tgt Ion: 97 Resp: 57636

Ion	Ratio	Lower	Upper
97	100		
99	57.1	50.6	76.0
61	48.1	36.0	54.0

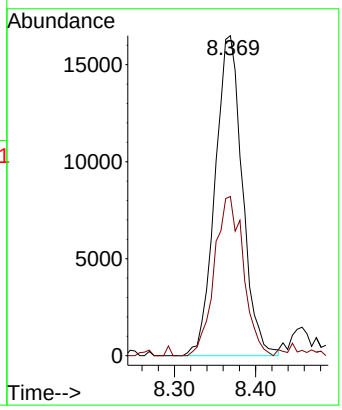




#33
1,2-Dichloroethane-d4
Concen: 6.197 ug/l
RT: 8.369 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074453.D
Acq: 15 Sep 2022 10:36

Tgt Ion: 65 Resp: 3853

Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	104.8



Instrument :
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ClientSampleId :
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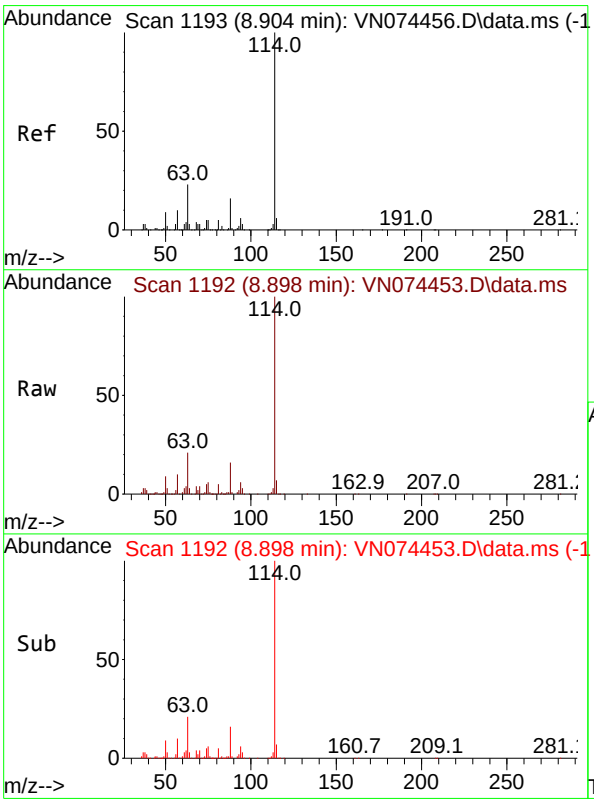
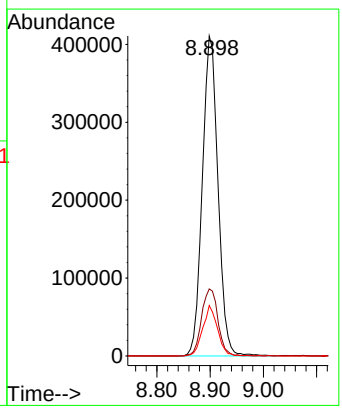
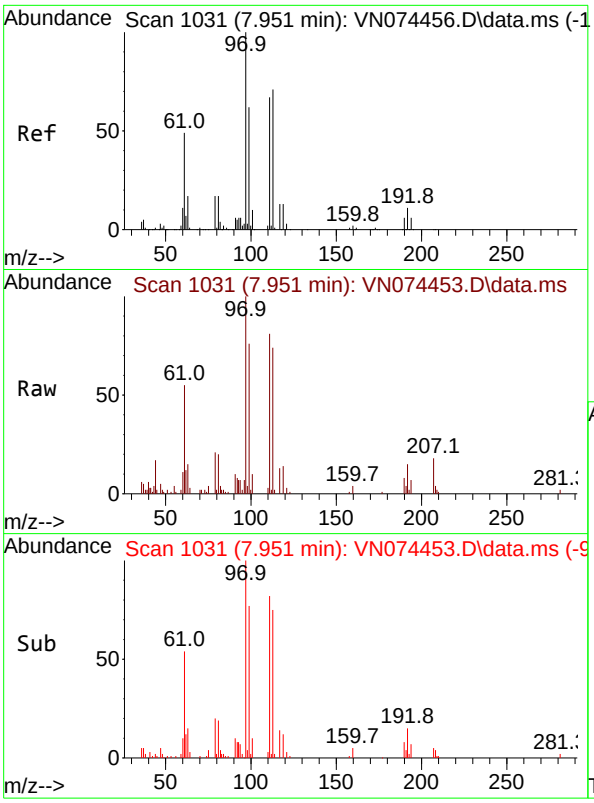


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.898 min Scan# 1192
Delta R.T. -0.006 min
Lab File: VN074453.D
Acq: 15 Sep 2022 10:36

Tgt Ion:114 Resp: 839691

Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	40.0
88	15.8	0.0	32.6

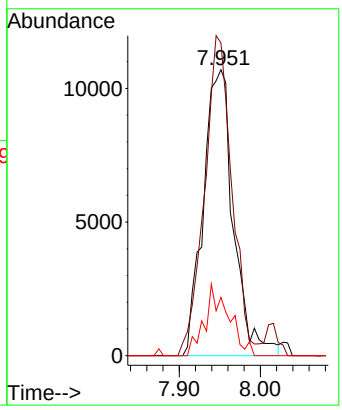




#35
Dibromofluoromethane
Concen: 5.280 ug/l
RT: 7.951 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074453.D
Acq: 15 Sep 2022 10:36

Tgt Ion:113 Resp: 2764

Ion	Ratio	Lower	Upper
113	100		
111	101.8	81.4	122.0
192	19.8	17.0	25.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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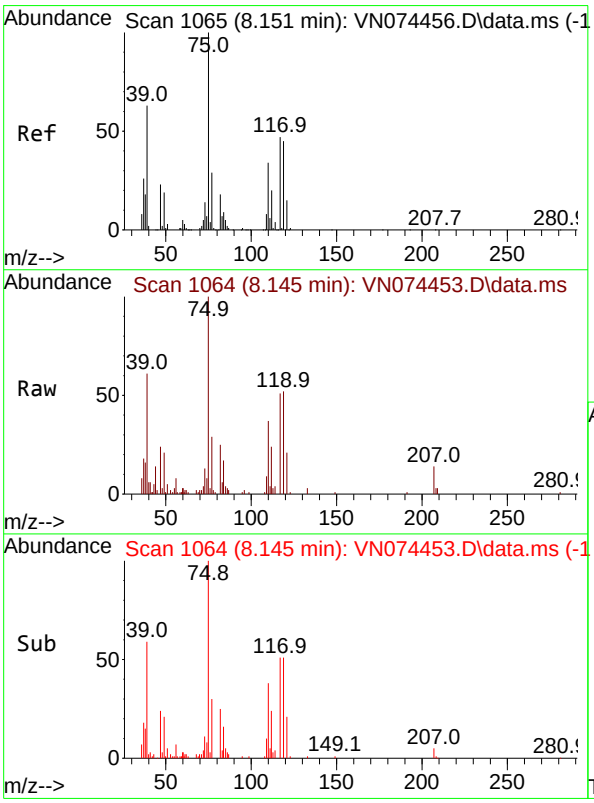
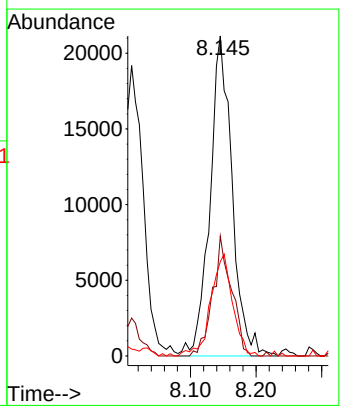
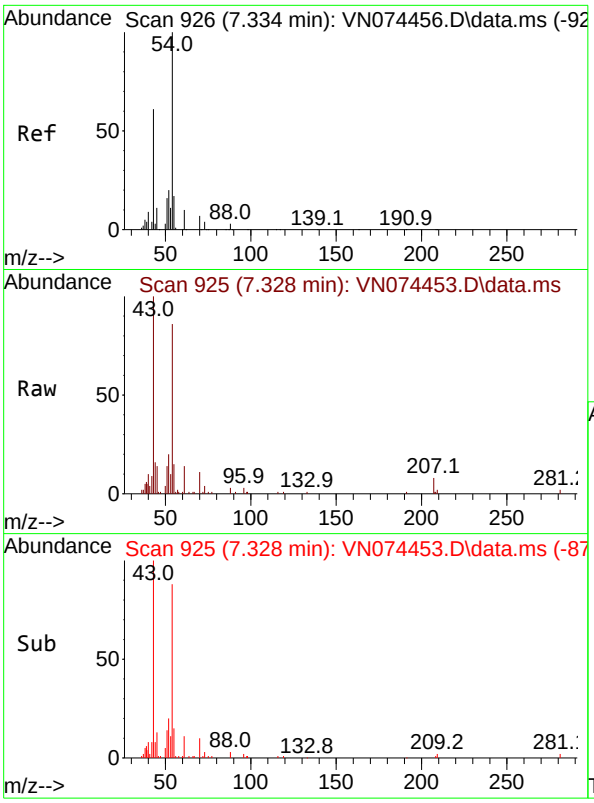


#36
1,1-Dichloropropene
Concen: 6.786 ug/l
RT: 8.145 min Scan# 1064
Delta R.T. -0.006 min
Lab File: VN074453.D
Acq: 15 Sep 2022 10:36

Tgt Ion: 75 Resp: 49668

Ion	Ratio	Lower	Upper
75	100		
110	31.9	18.3	54.8
77	31.4	25.1	37.7

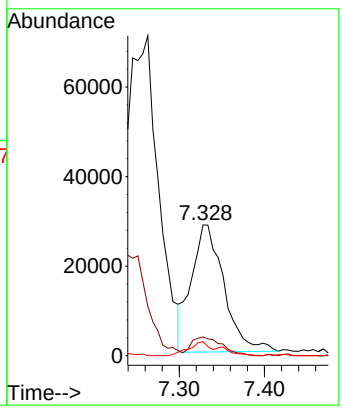




#37
Ethyl Acetate
Concen: 6.465 ug/l
RT: 7.328 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN074453.D
Acq: 15 Sep 2022 10:36

Tgt Ion: 43 Resp: 7618

Ion	Ratio	Lower	Upper
43	100		
61	13.6	11.8	17.6
70	7.0	9.3	13.9#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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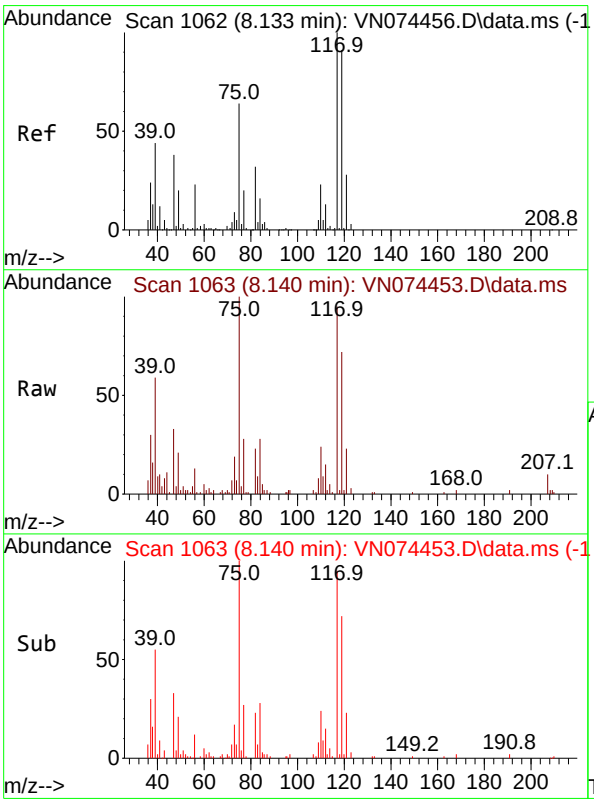
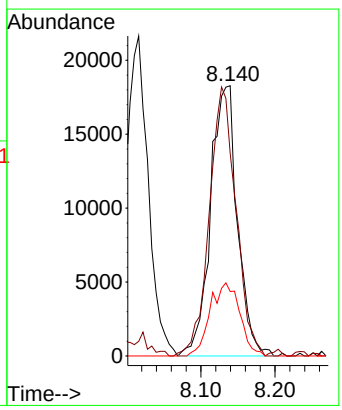
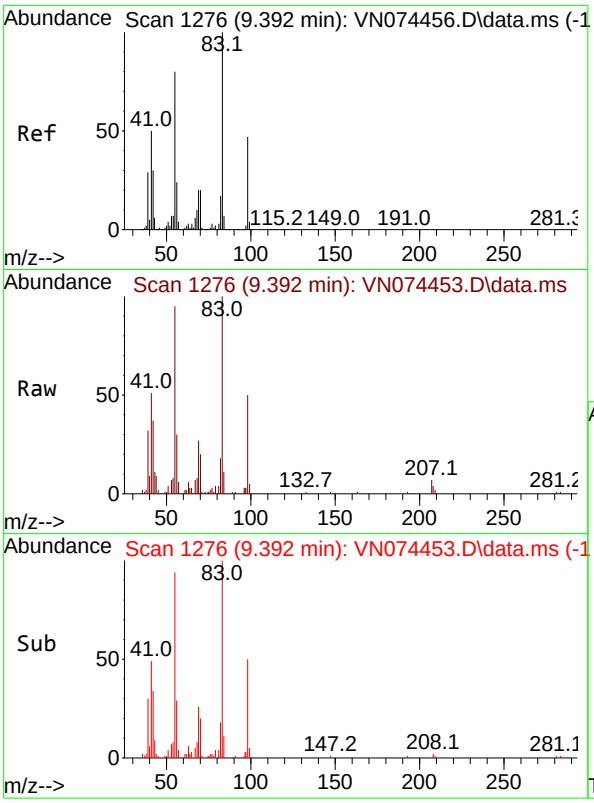


#38
Carbon Tetrachloride
Concen: 6.127 ug/l
RT: 8.140 min Scan# 1063
Delta R.T. 0.006 min
Lab File: VN074453.D
Acq: 15 Sep 2022 10:36

Tgt Ion:117 Resp: 46225

Ion	Ratio	Lower	Upper
117	100		
119	73.9	75.8	113.8#
121	23.9	24.6	37.0#

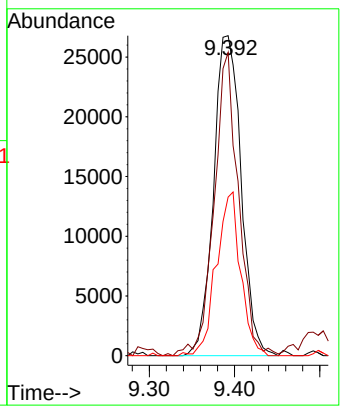




#39
Methylcyclohexane
Concen: 6.792 ug/l
RT: 9.392 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074453.D
Acq: 15 Sep 2022 10:36

Tgt Ion: 83 Resp: 6027

Ion	Ratio	Lower	Upper
83	100		
55	94.2	57.8	86.8
98	49.5	39.4	59.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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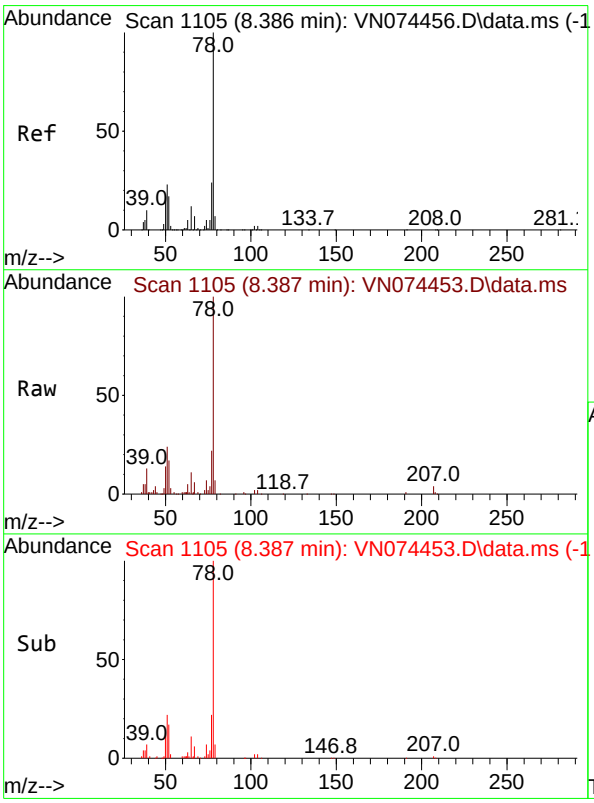
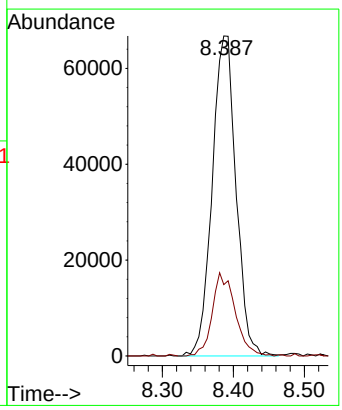
Supervised By :Mahesh Dadoda 09/16/2022

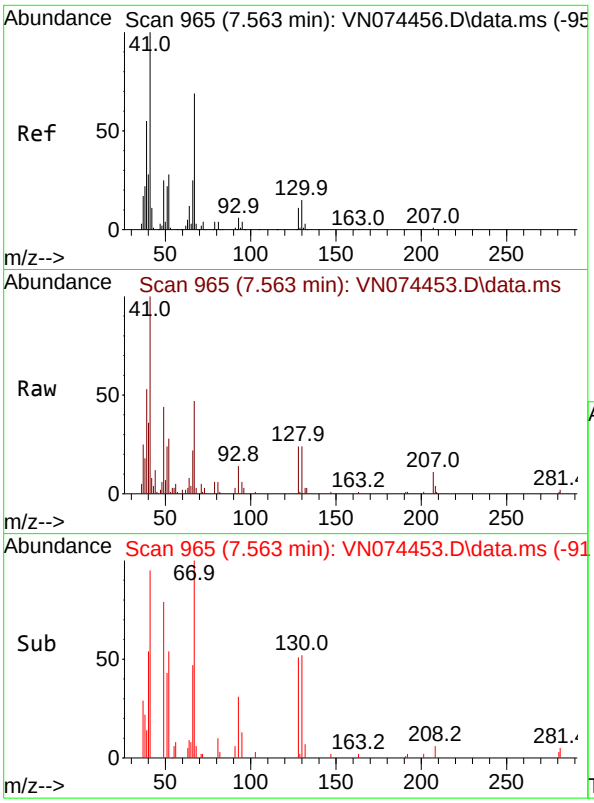


#40
Benzene
Concen: 6.734 ug/l
RT: 8.387 min Scan# 1105
Delta R.T. 0.000 min
Lab File: VN074453.D
Acq: 15 Sep 2022 10:36

Tgt Ion: 78 Resp: 155390

Ion	Ratio	Lower	Upper
78	100		
77	22.3	19.4	29.0

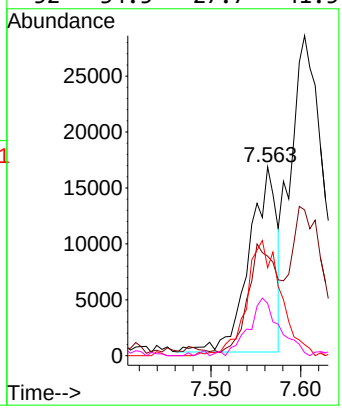




#41
Methacrylonitrile
Concen: 6.384 ug/l
RT: 7.563 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN074453.D
Acq: 15 Sep 2022 10:36

Tgt Ion: 41 Resp: 3558

Ion	Ratio	Lower	Upper
41	100		
39	63.3	48.6	73.0
67	76.7	73.4	110.2
52	34.5	27.7	41.5



Instrument :
MSVOA_N
ClientSampleId :
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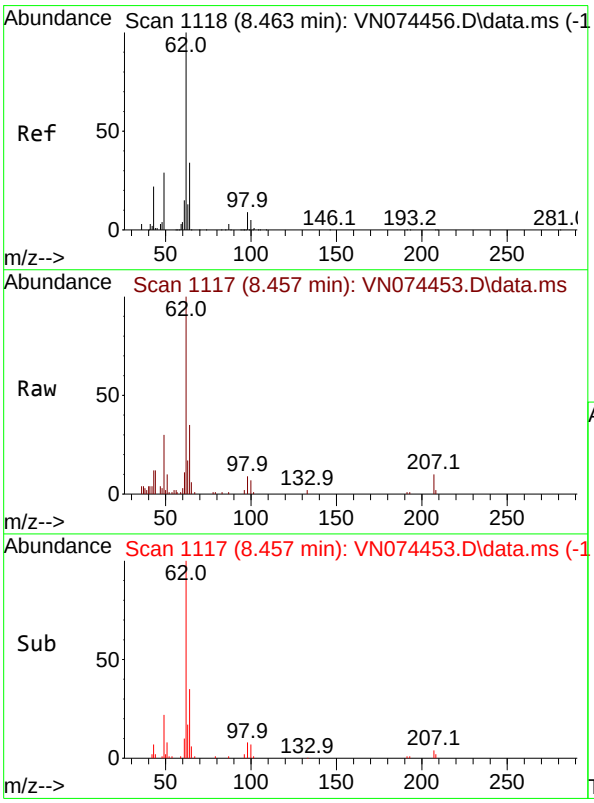
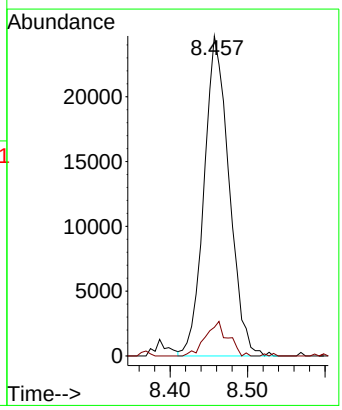
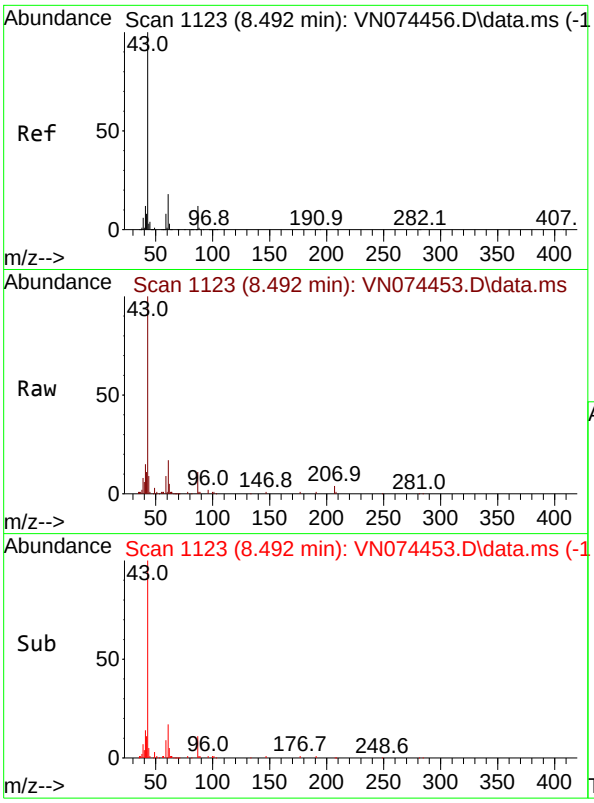


#42
1,2-Dichloroethane
Concen: 6.817 ug/l
RT: 8.457 min Scan# 1117
Delta R.T. -0.006 min
Lab File: VN074453.D
Acq: 15 Sep 2022 10:36

Tgt Ion: 62 Resp: 55441

Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	19.4

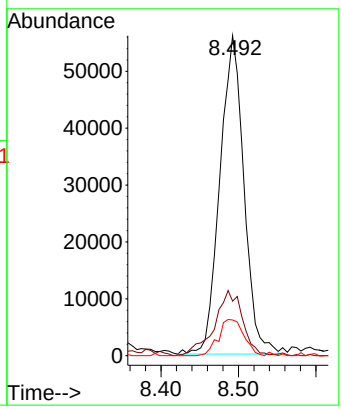




#43
Isopropyl Acetate
Concen: 7.128 ug/l
RT: 8.492 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074453.D
Acq: 15 Sep 2022 10:36

Tgt Ion: 43 Resp: 12103

Ion	Ratio	Lower	Upper
43	100		
61	24.1	21.9	32.9
87	12.0	12.0	18.0



Instrument :
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ClientSampleId :
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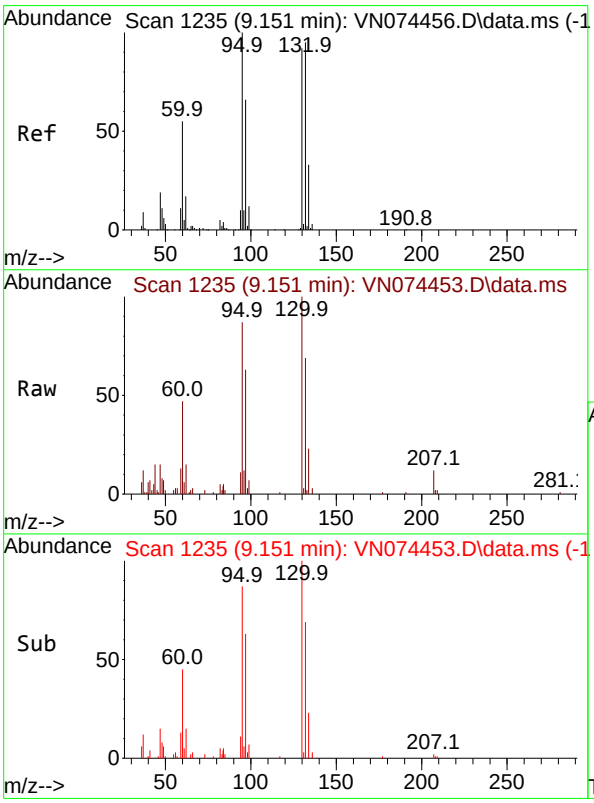
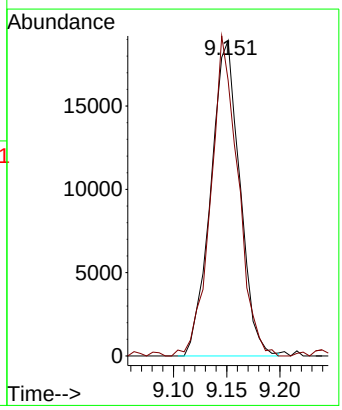
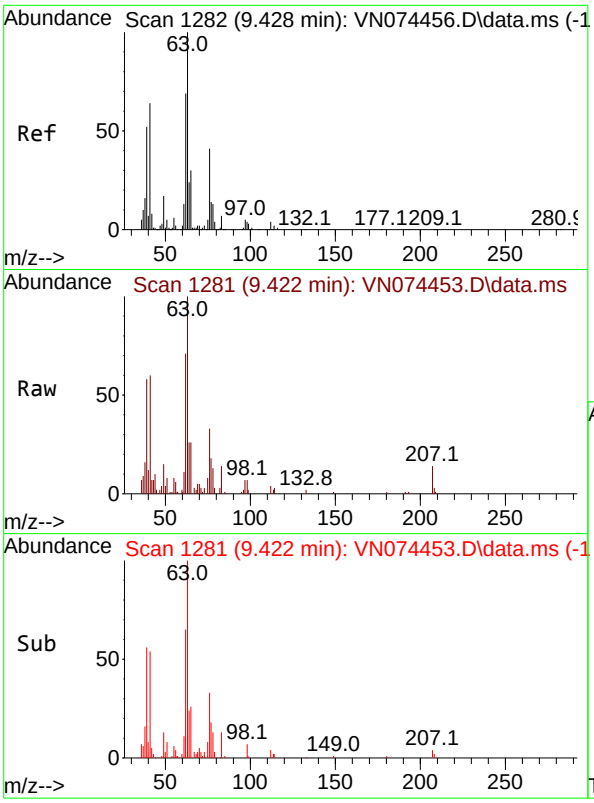


#44
Trichloroethene
Concen: 6.371 ug/l
RT: 9.151 min Scan# 1235
Delta R.T. 0.000 min
Lab File: VN074453.D
Acq: 15 Sep 2022 10:36

Tgt Ion:130 Resp: 35915

Ion	Ratio	Lower	Upper
130	100		
95	87.4	0.0	186.8

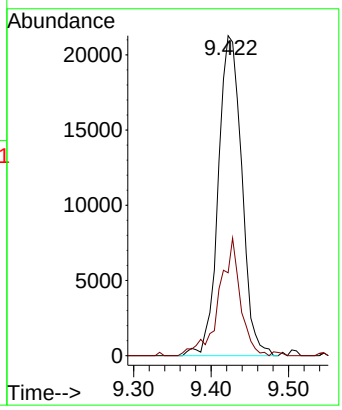




#45
1,2-Dichloropropane
Concen: 7.506 ug/l
RT: 9.422 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN074453.D
Acq: 15 Sep 2022 10:36

Tgt Ion: 63 Resp: 4484

Ion	Ratio	Lower	Upper
63	100		
65	25.9	24.9	37.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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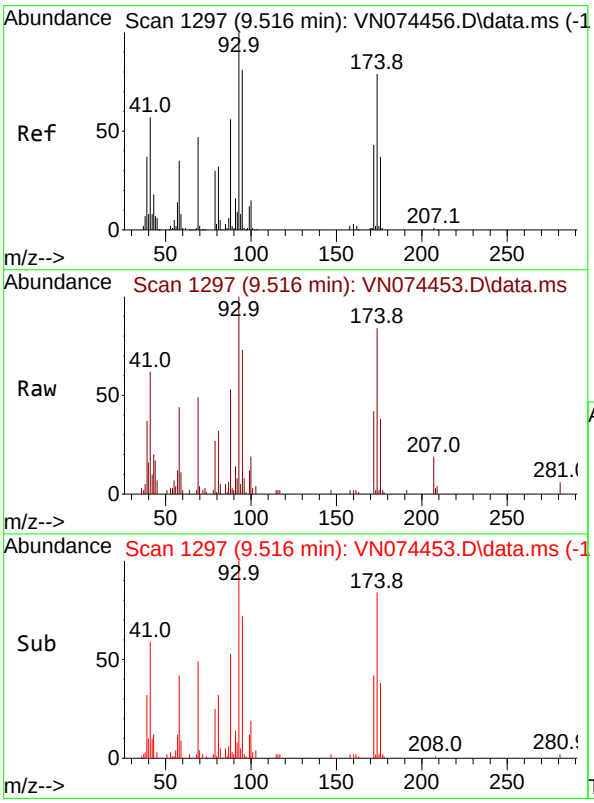
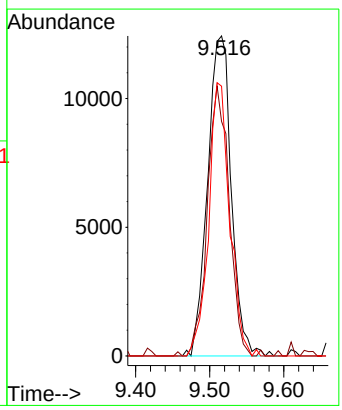
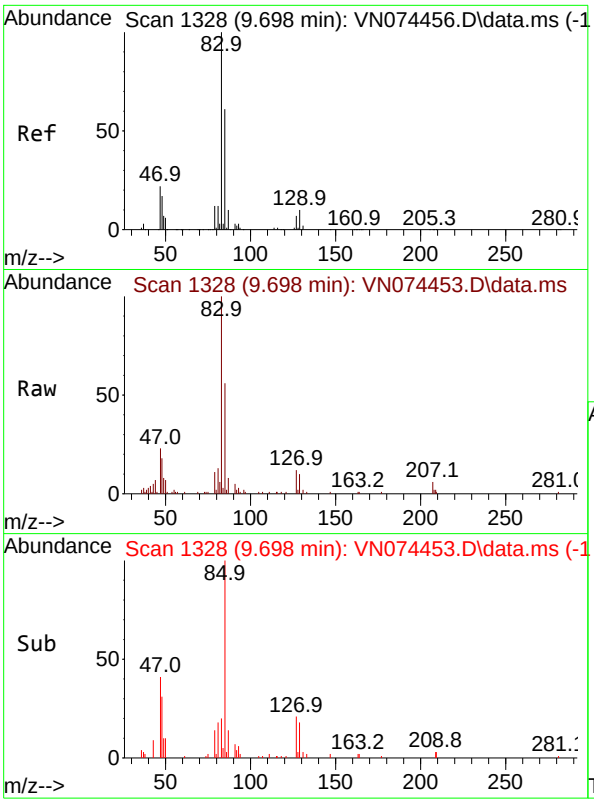


#46
Dibromomethane
Concen: 6.989 ug/l
RT: 9.516 min Scan# 1297
Delta R.T. 0.000 min
Lab File: VN074453.D
Acq: 15 Sep 2022 10:36

Tgt Ion: 93 Resp: 27710

Ion	Ratio	Lower	Upper
93	100		
95	77.1	66.9	100.3
174	75.4	86.6	130.0#

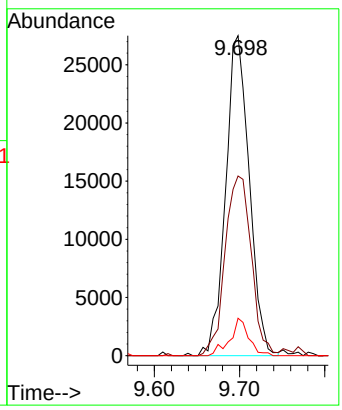




#47
Bromodichloromethane
Concen: 6.738 ug/l
RT: 9.698 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074453.D
Acq: 15 Sep 2022 10:36

Tgt Ion: 83 Resp: 5309

Ion	Ratio	Lower	Upper
83	100		
85	56.2	50.5	75.7
127	11.7	6.8	10.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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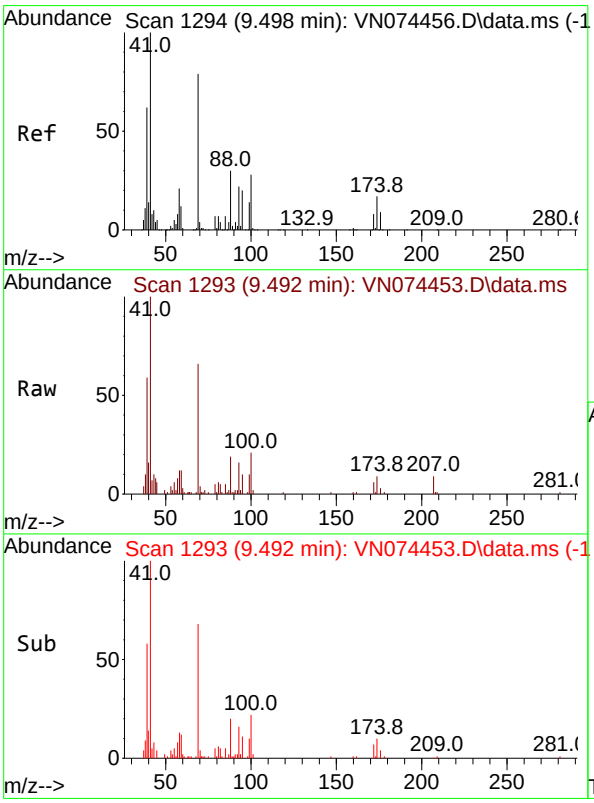
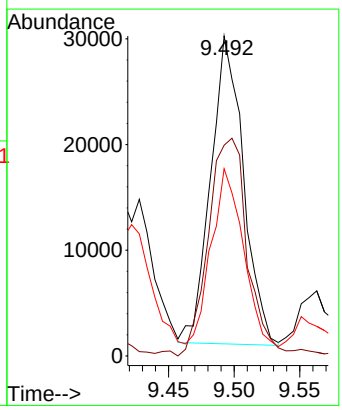
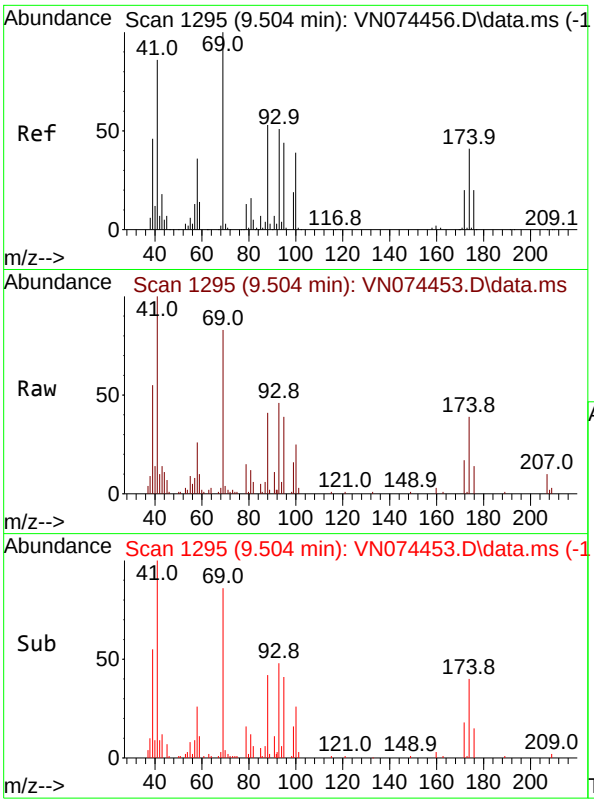


#48
Methyl methacrylate
Concen: 6.575 ug/l
RT: 9.492 min Scan# 1293
Delta R.T. -0.006 min
Lab File: VN074453.D
Acq: 15 Sep 2022 10:36

Tgt Ion: 41 Resp: 50518

Ion	Ratio	Lower	Upper
41	100		
69	85.6	74.7	112.1
39	60.9	45.6	68.4

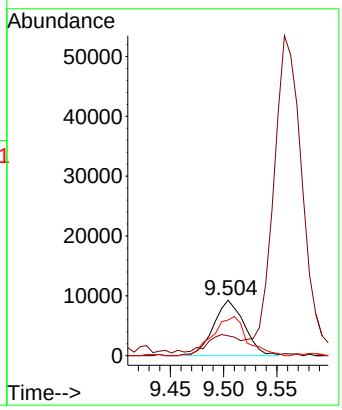




#49
1,4-Dioxane
Concen: 110.353 ug/l
RT: 9.504 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074453.D
Acq: 15 Sep 2022 10:36

Tgt Ion: 88 Resp: 1859

Ion	Ratio	Lower	Upper
88	100		
43	33.6	20.2	30.4
58	77.4	54.2	81.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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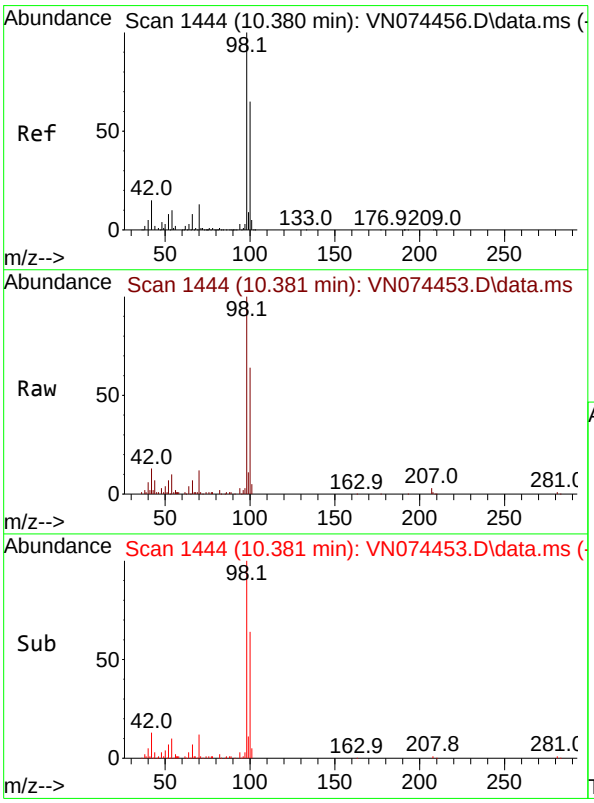
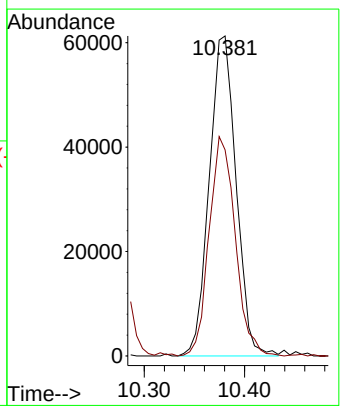
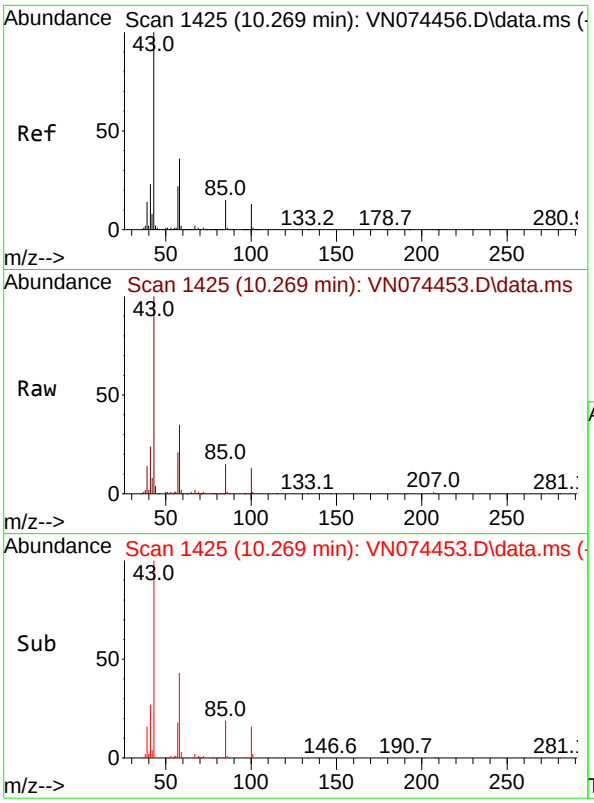


#50
Toluene-d8
Concen: 5.846 ug/l
RT: 10.381 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074453.D
Acq: 15 Sep 2022 10:36

Tgt Ion: 98 Resp: 113799

Ion	Ratio	Lower	Upper
98	100		
100	66.9	52.6	78.8

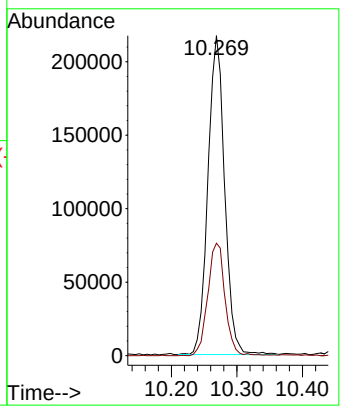




#51
4-Methyl-2-Pentanone
Concen: 34.372 ug/l
RT: 10.269 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN074453.D
Acq: 15 Sep 2022 10:36

Tgt Ion: 43 Resp: 38370

Ion	Ratio	Lower	Upper
43	100		
58	36.6	34.1	51.1



Instrument :
MSVOA_N
ClientSampleId :
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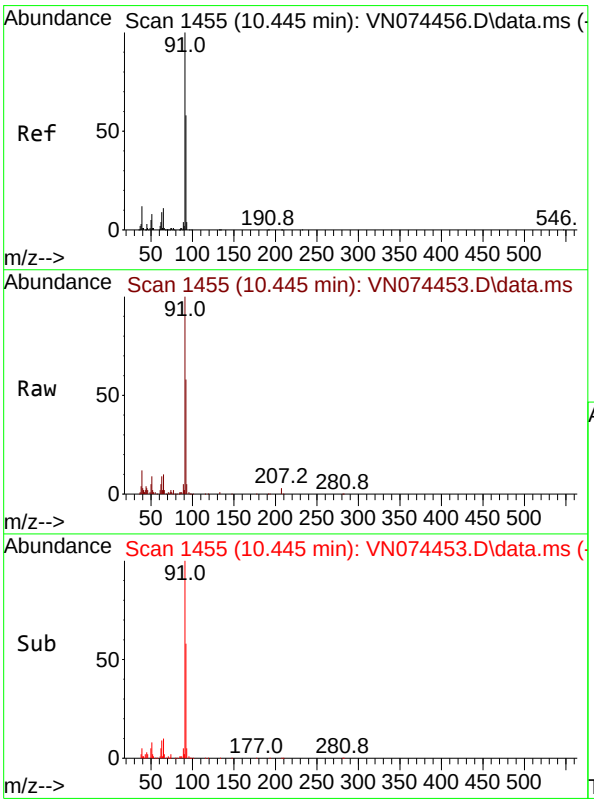
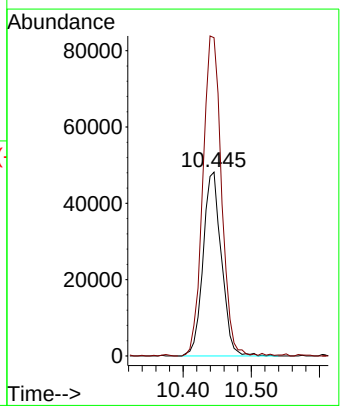
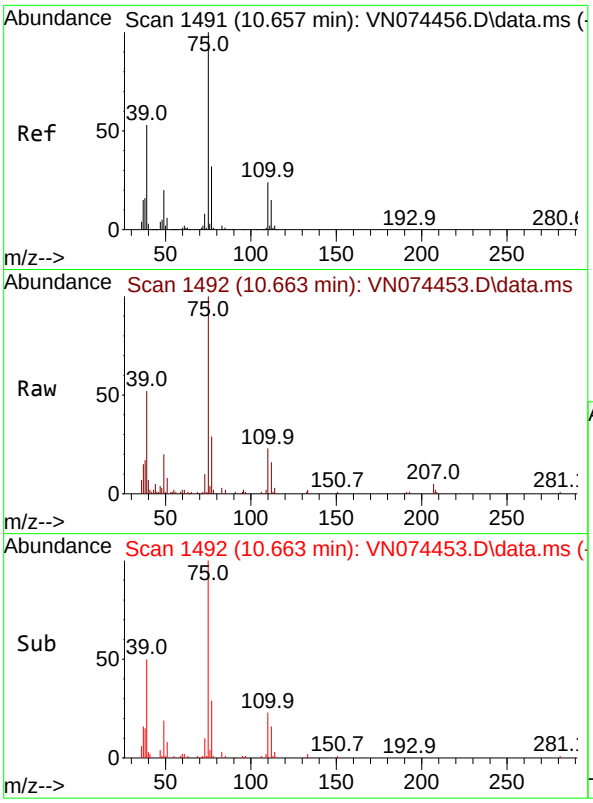


#52
Toluene
Concen: 6.391 ug/l
RT: 10.445 min Scan# 1455
Delta R.T. 0.000 min
Lab File: VN074453.D
Acq: 15 Sep 2022 10:36

Tgt Ion: 92 Resp: 90162

Ion	Ratio	Lower	Upper
92	100		
91	176.6	138.6	207.8

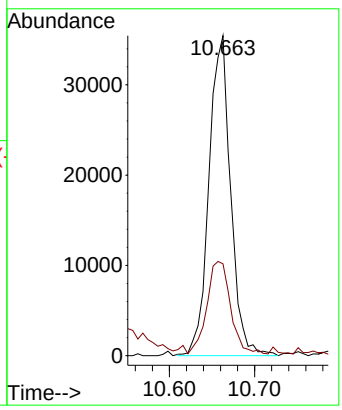




#53
t-1,3-Dichloropropene
Concen: 7.280 ug/l
RT: 10.663 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN074453.D
Acq: 15 Sep 2022 10:36

Tgt Ion: 75 Resp: 6254

Ion	Ratio	Lower	Upper
75	100		
77	27.6	25.6	38.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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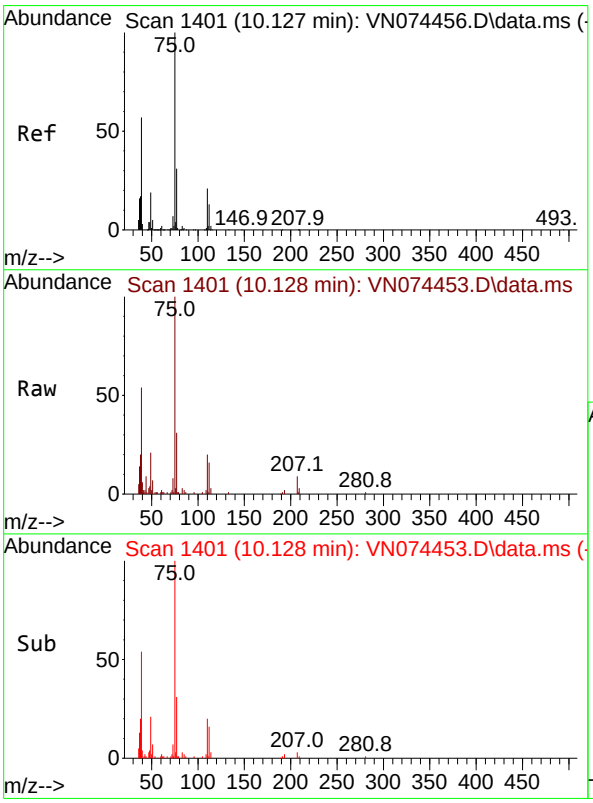
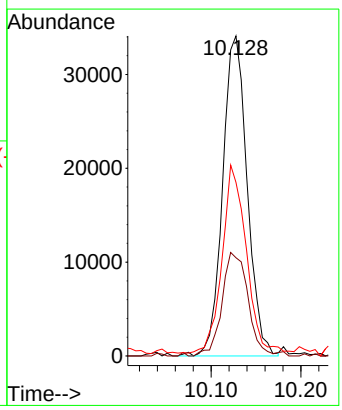
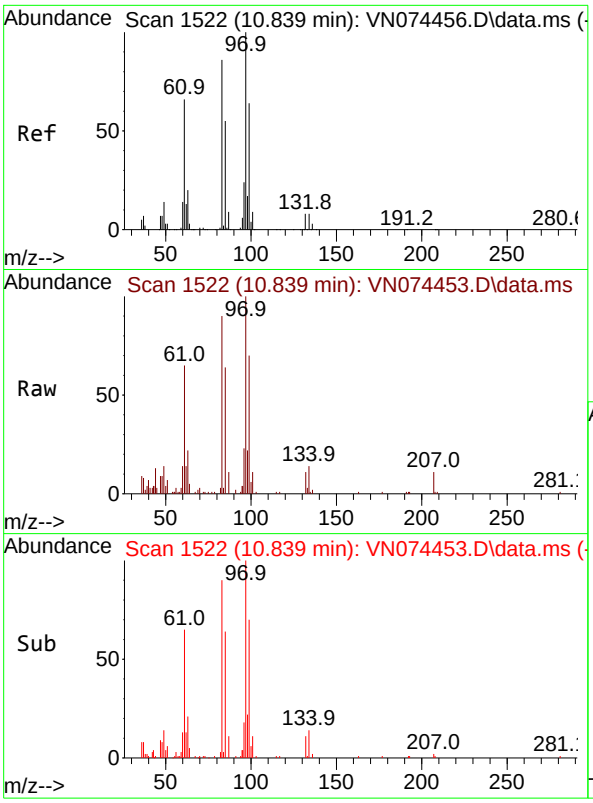


#54
cis-1,3-Dichloropropene
Concen: 6.920 ug/l
RT: 10.128 min Scan# 1401
Delta R.T. 0.000 min
Lab File: VN074453.D
Acq: 15 Sep 2022 10:36

Tgt Ion: 75 Resp: 64825

Ion	Ratio	Lower	Upper
75	100		
77	30.7	25.2	37.8
39	53.3	35.7	53.5

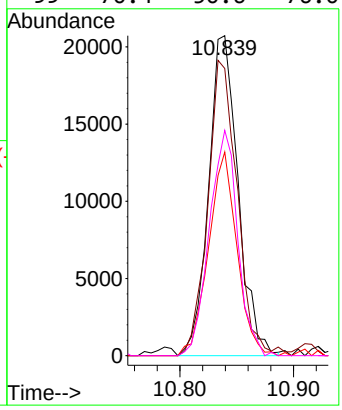




#55
1,1,2-Trichloroethane
Concen: 6.094 ug/l
RT: 10.839 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074453.D
Acq: 15 Sep 2022 10:36

Tgt Ion: 97 Resp: 3744

Ion	Ratio	Lower	Upper
97	100		
83	89.7	66.2	99.4
85	63.7	43.9	65.9
99	70.4	50.6	76.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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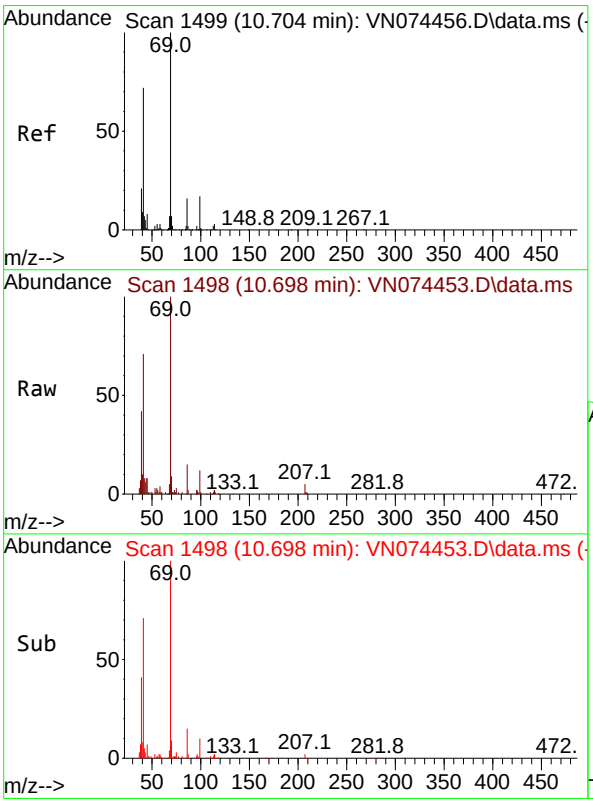
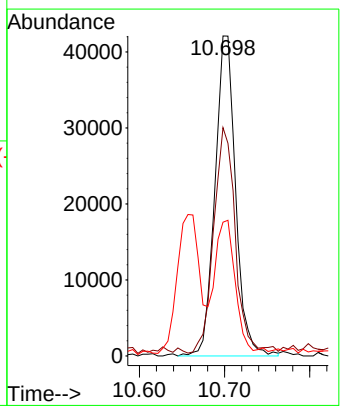
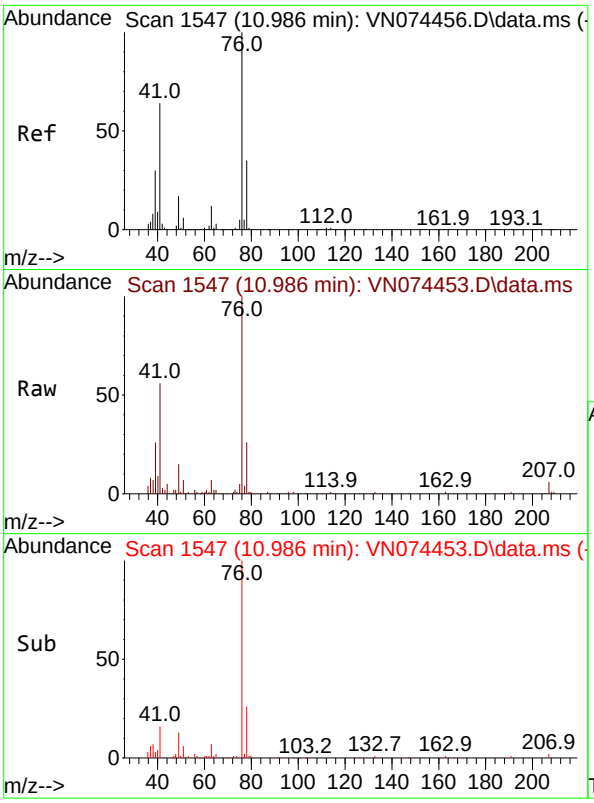


#56
Ethyl methacrylate
Concen: 7.120 ug/l
RT: 10.698 min Scan# 1498
Delta R.T. -0.006 min
Lab File: VN074453.D
Acq: 15 Sep 2022 10:36

Tgt Ion: 69 Resp: 71191

Ion	Ratio	Lower	Upper
69	100		
41	73.9	47.8	71.6#
39	38.4	27.3	40.9

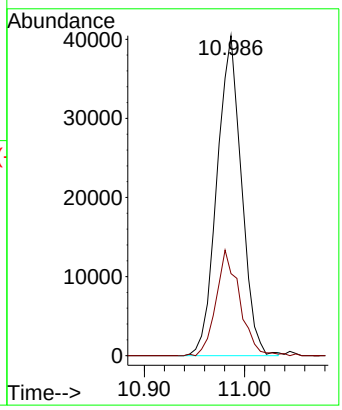




#57
1,3-Dichloropropane
Concen: 6.664 ug/l
RT: 10.986 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074453.D
Acq: 15 Sep 2022 10:36

Tgt Ion: 76 Resp: 6858

Ion	Ratio	Lower	Upper
76	100		
78	32.1	26.2	39.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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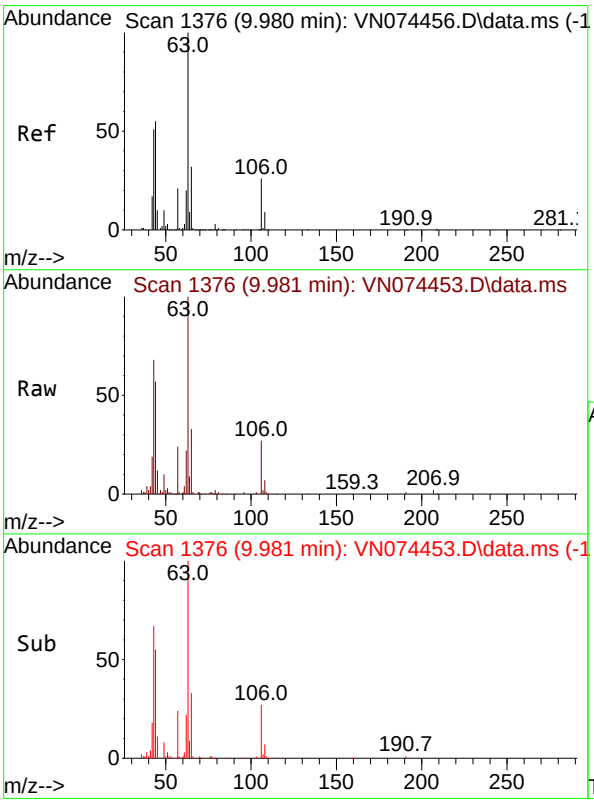
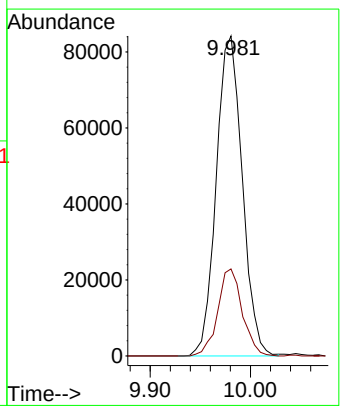
Reviewed By :John Carlone 09/16/2022
Supervised By :Mahesh Dadoda 09/16/2022

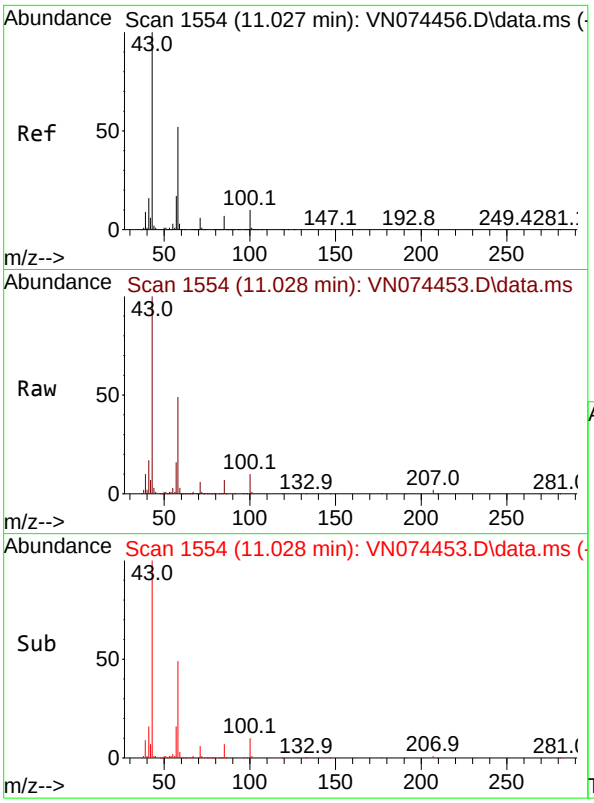


#58
2-Chloroethyl Vinyl ether
Concen: 34.409 ug/l
RT: 9.981 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VN074453.D
Acq: 15 Sep 2022 10:36

Tgt Ion: 63 Resp: 151692

Ion	Ratio	Lower	Upper
63	100		
106	25.6	24.6	36.8

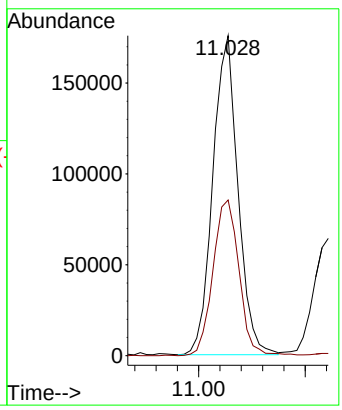




#59
2-Hexanone
Concen: 33.334 ug/l
RT: 11.028 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074453.D
Acq: 15 Sep 2022 10:36

Tgt Ion: 43 Resp: 28709

Ion	Ratio	Lower	Upper
43	100		
58	50.7	29.7	89.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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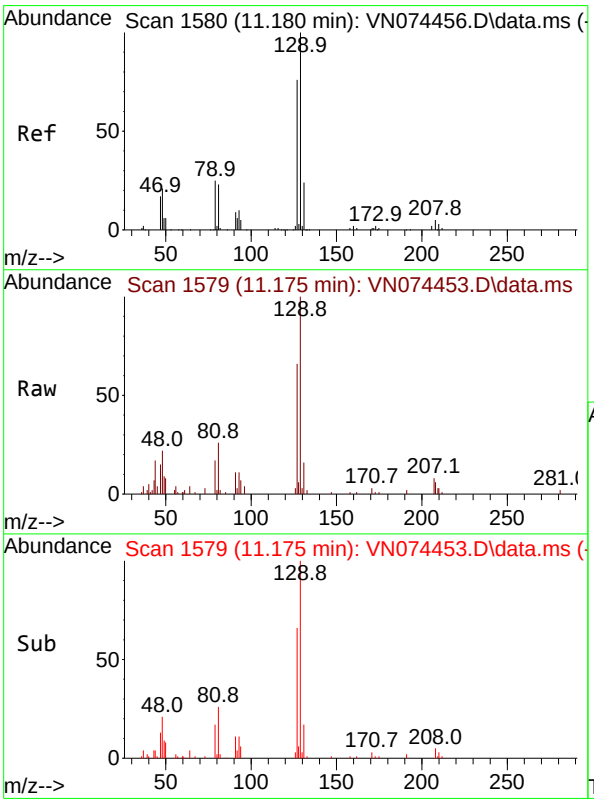
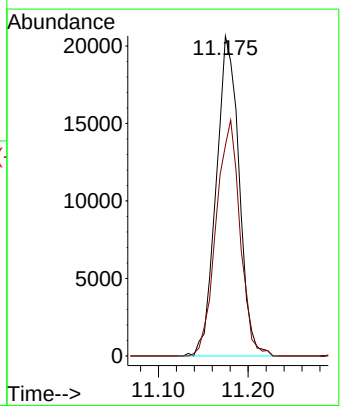
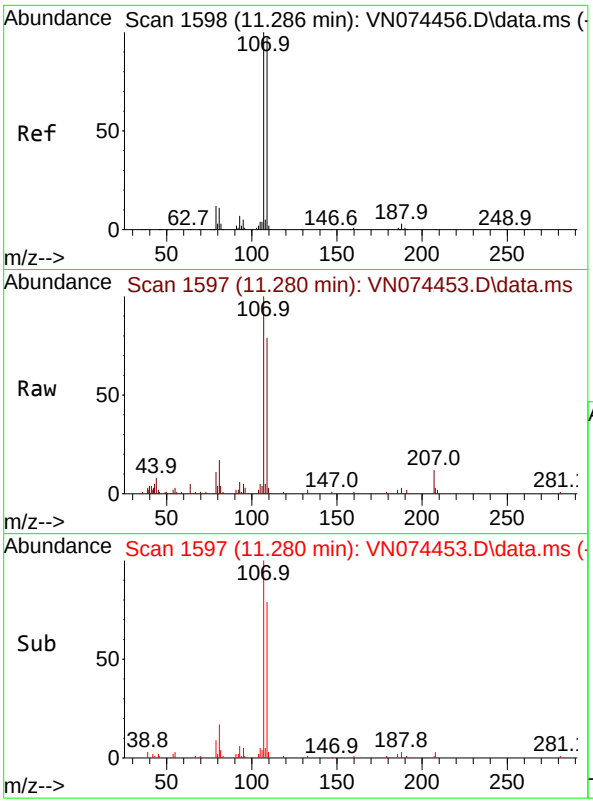


#60
Dibromochloromethane
Concen: 6.355 ug/l
RT: 11.175 min Scan# 1579
Delta R.T. -0.006 min
Lab File: VN074453.D
Acq: 15 Sep 2022 10:36

Tgt Ion:129 Resp: 36558

Ion	Ratio	Lower	Upper
129	100		
127	77.0	38.8	116.4





#61
1,2-Dibromoethane
Concen: 6.285 ug/l
RT: 11.280 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN074453.D
Acq: 15 Sep 2022 10:36

Tgt Ion:107 Resp: 3790

Ion	Ratio	Lower	Upper
107	100		
109	89.3	75.0	112.6

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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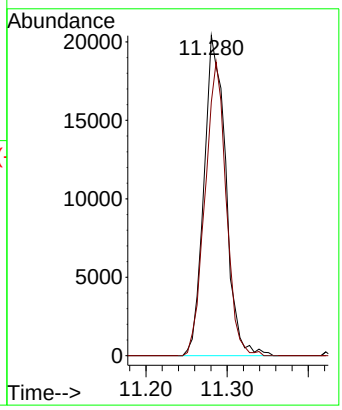
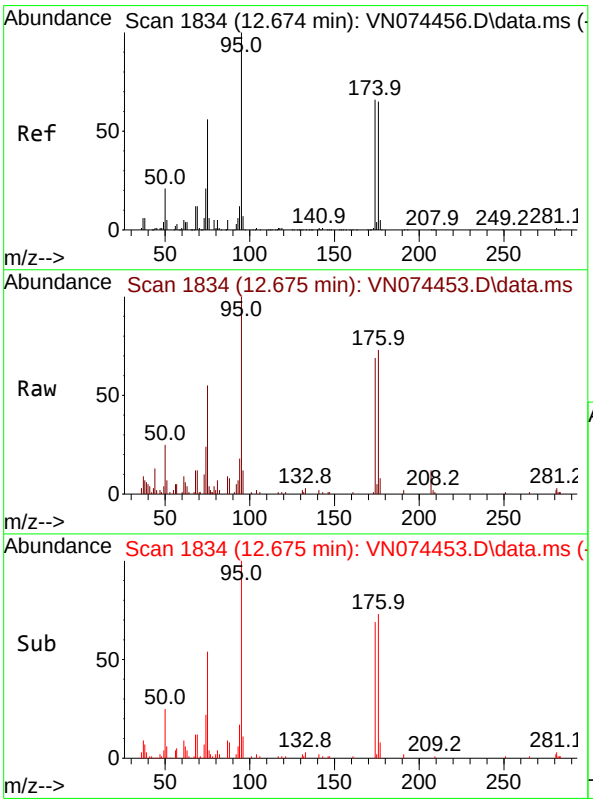
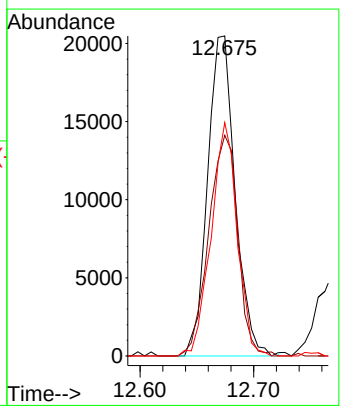


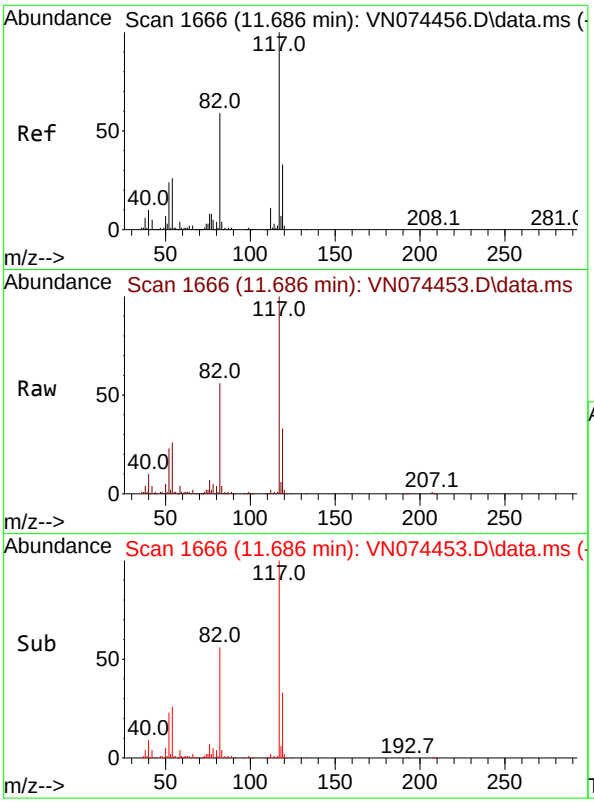


#62
4-Bromofluorobenzene
Concen: 4.904 ug/l
RT: 12.675 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN074453.D
Acq: 15 Sep 2022 10:36

Tgt Ion: 95 Resp: 34381

Ion	Ratio	Lower	Upper
95	100		
174	73.3	0.0	167.6
176	69.2	0.0	163.4

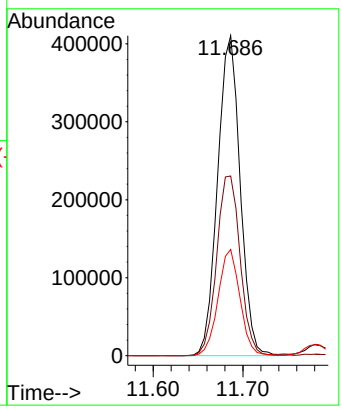




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VN074453.D
Acq: 15 Sep 2022 10:36

Tgt Ion:117 Resp: 71674

Ion	Ratio	Lower	Upper
117	100		
82	56.2	44.2	66.2
119	33.2	25.4	38.0



Instrument :
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ClientSampleId :
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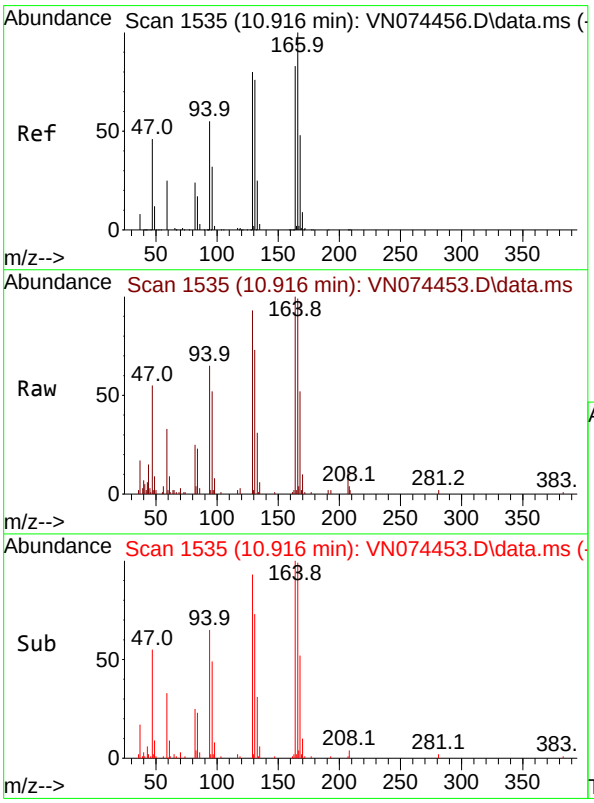
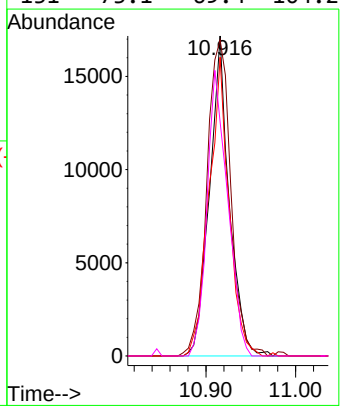
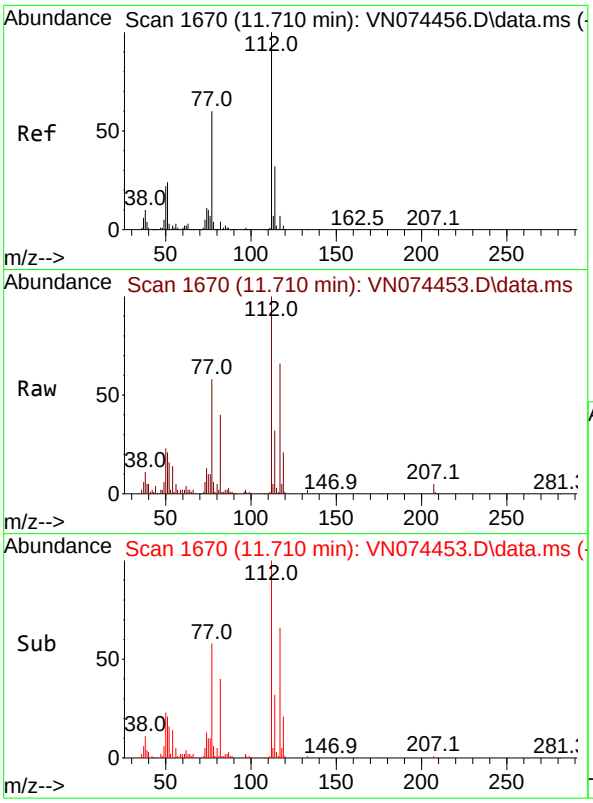


#64
Tetrachloroethene
Concen: 6.023 ug/l
RT: 10.916 min Scan# 1535
Delta R.T. 0.000 min
Lab File: VN074453.D
Acq: 15 Sep 2022 10:36

Tgt Ion:164 Resp: 26337

Ion	Ratio	Lower	Upper
164	100		
166	98.7	104.2	156.2#
129	93.4	73.9	110.9
131	73.1	69.4	104.2

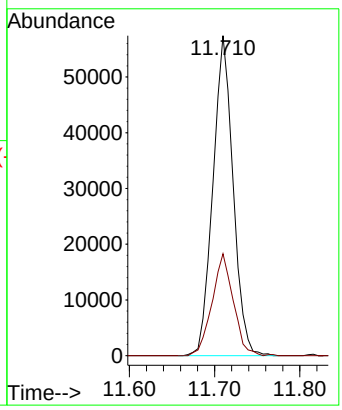




#65
Chlorobenzene
Concen: 6.579 ug/l
RT: 11.710 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074453.D
Acq: 15 Sep 2022 10:36

Tgt Ion:112 Resp: 9453

Ion	Ratio	Lower	Upper
112	100		
114	31.9	25.4	38.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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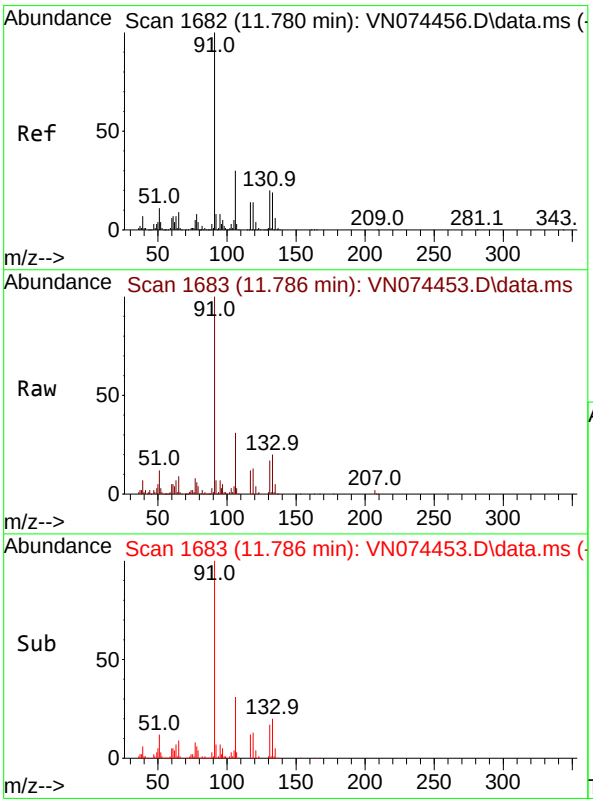
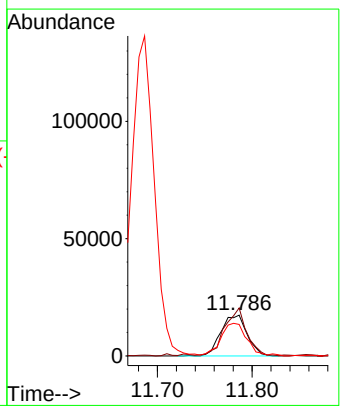
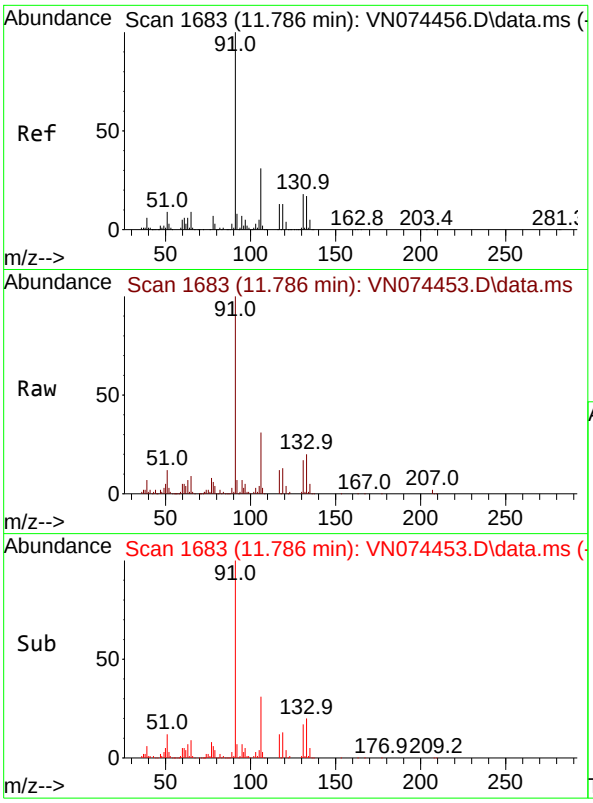


#66
1,1,1,2-Tetrachloroethane
Concen: 6.151 ug/l
RT: 11.786 min Scan# 1683
Delta R.T. 0.006 min
Lab File: VN074453.D
Acq: 15 Sep 2022 10:36

Tgt Ion:131 Resp: 33365

Ion	Ratio	Lower	Upper
131	100		
133	100.1	47.8	143.4
119	80.3	33.4	100.2

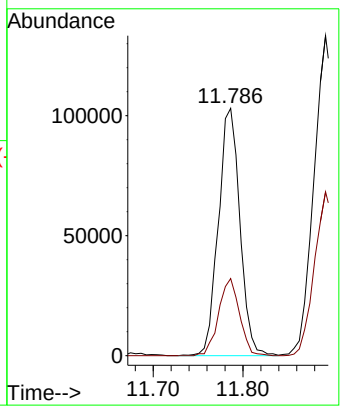




#67
Ethyl Benzene
Concen: 6.718 ug/l
RT: 11.786 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074453.D
Acq: 15 Sep 2022 10:36

Tgt Ion: 91 Resp: 17176

Ion	Ratio	Lower	Upper
91	100		
106	31.1	24.9	37.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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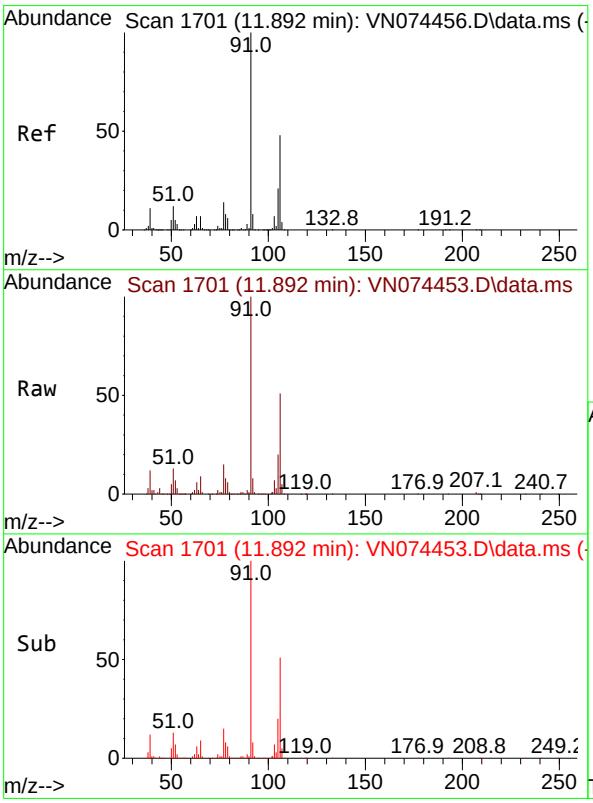
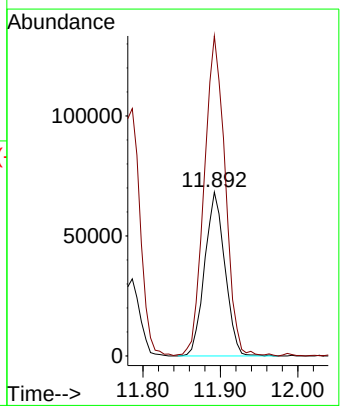
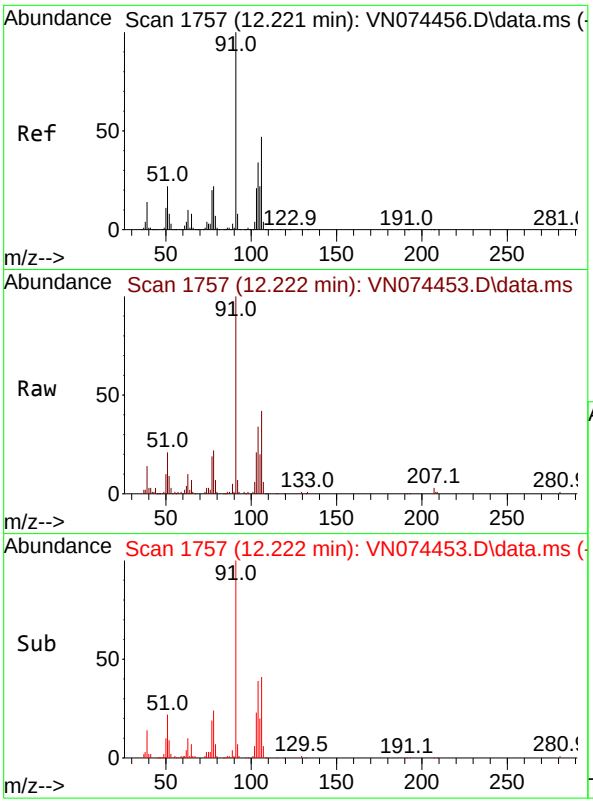


#68
m/p-Xylenes
Concen: 12.422 ug/l
RT: 11.892 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN074453.D
Acq: 15 Sep 2022 10:36

Tgt Ion:106 Resp: 123987

Ion	Ratio	Lower	Upper
106	100		
91	202.8	158.9	238.3

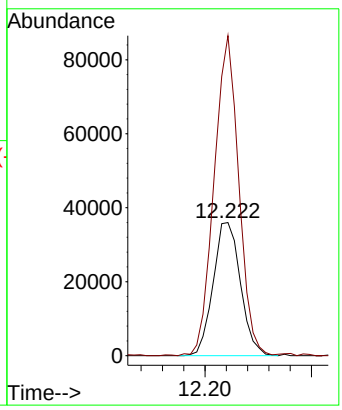




#69
o-Xylene
Concen: 6.402 ug/l
RT: 12.222 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074453.D
Acq: 15 Sep 2022 10:36

Tgt Ion:106 Resp: 6401

Ion	Ratio	Lower	Upper
106	100		
91	217.4	106.0	318.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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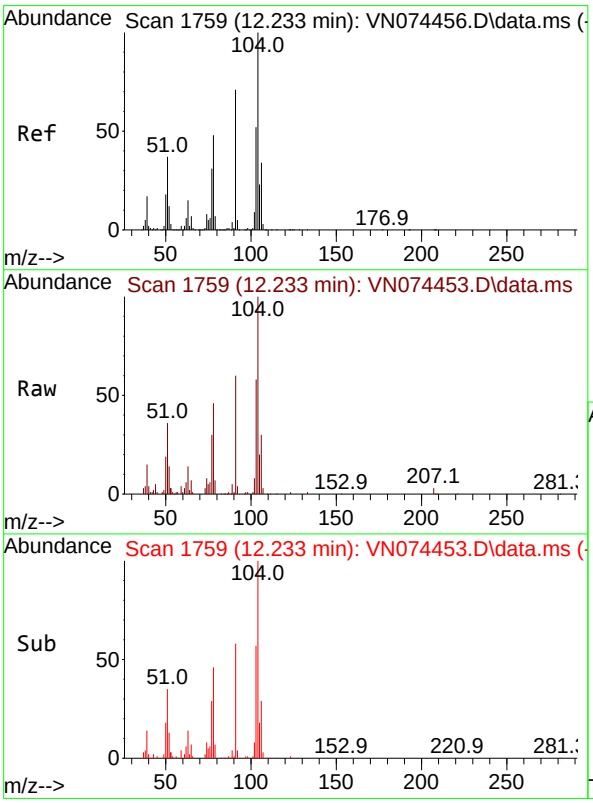
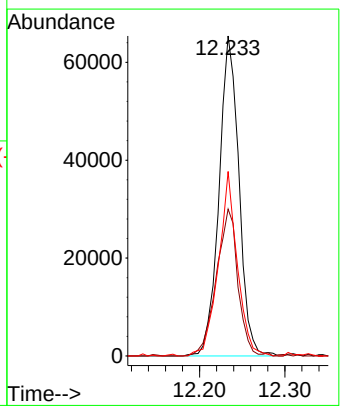
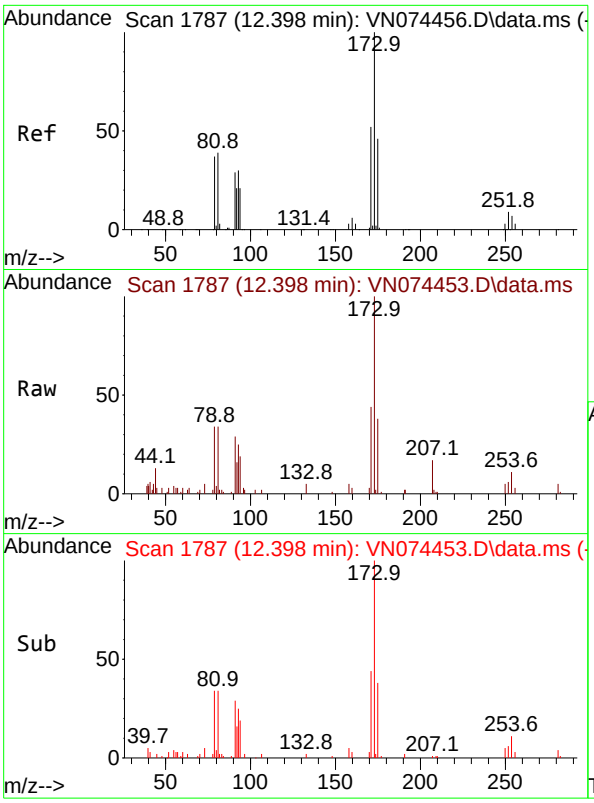


#70
Styrene
Concen: 6.589 ug/l
RT: 12.233 min Scan# 1759
Delta R.T. 0.000 min
Lab File: VN074453.D
Acq: 15 Sep 2022 10:36

Tgt Ion:104 Resp: 106161

Ion	Ratio	Lower	Upper
104	100		
78	49.8	39.5	59.3
103	54.5	44.0	66.0

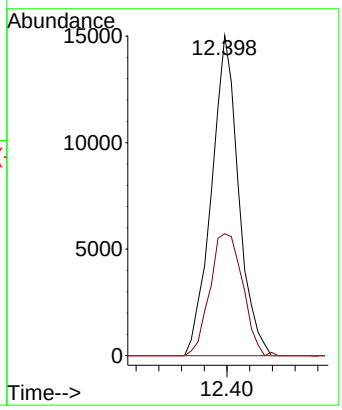




#71
Bromoform
Concen: 6.142 ug/l
RT: 12.398 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074453.D
Acq: 15 Sep 2022 10:36

Tgt Ion:173 Resp: 2498

Ion	Ratio	Lower	Upper
173	100		
175	45.8	24.6	73.6
254	0.0	0.1	0.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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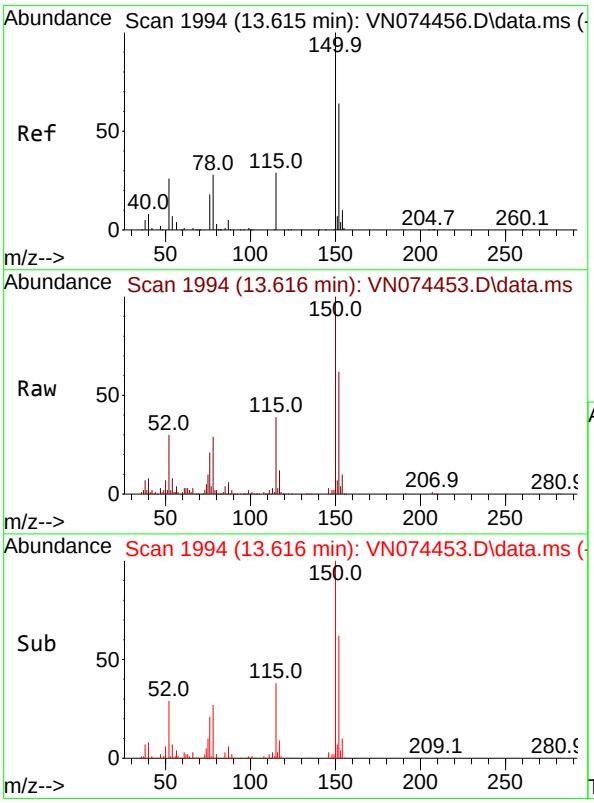
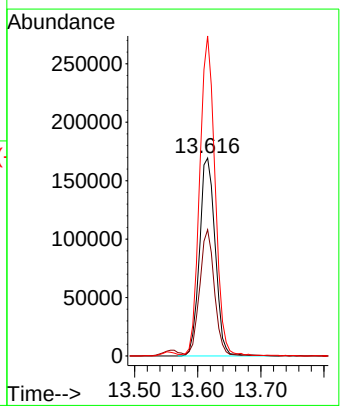
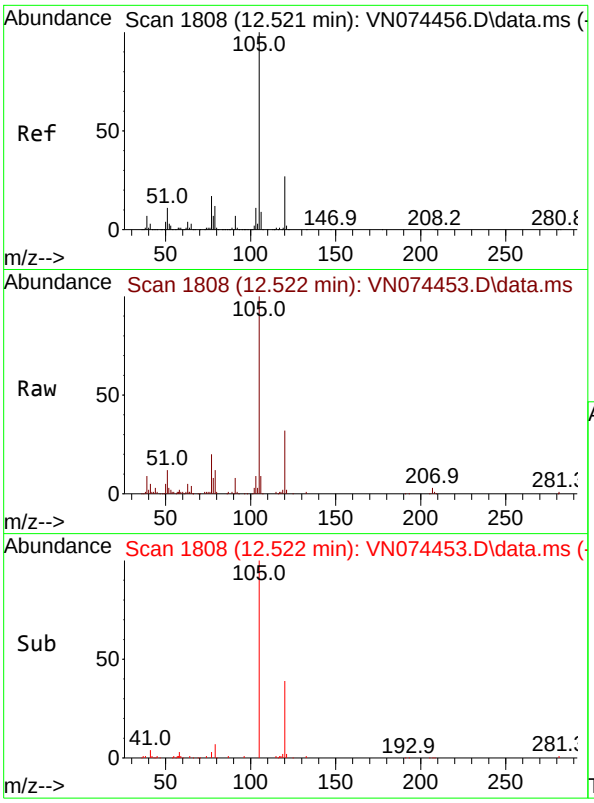


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VN074453.D
Acq: 15 Sep 2022 10:36

Tgt Ion:152 Resp: 291628

Ion	Ratio	Lower	Upper
152	100		
115	60.4	28.9	86.7
150	157.1	0.0	356.2

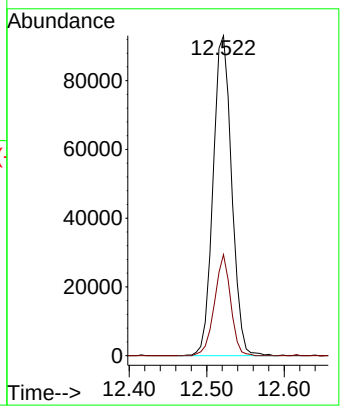




#73
Isopropylbenzene
Concen: 6.664 ug/l
RT: 12.522 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074453.D
Acq: 15 Sep 2022 10:36

Tgt Ion:105 Resp: 15514

Ion	Ratio	Lower	Upper
105	100		
120	27.3	13.5	40.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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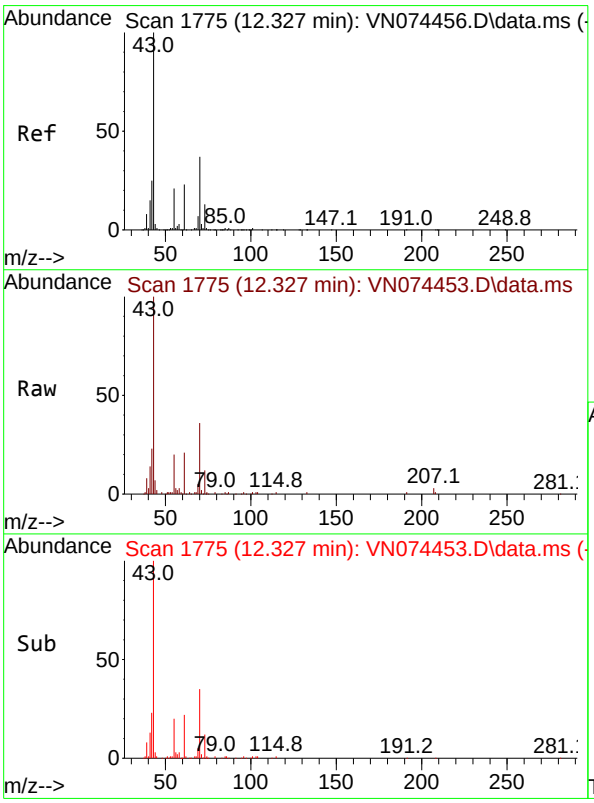
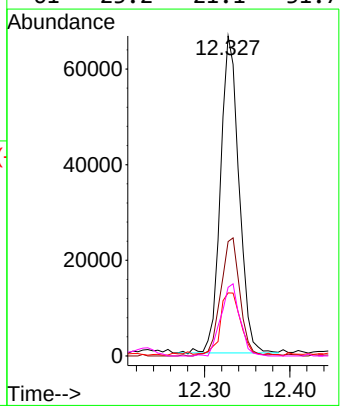
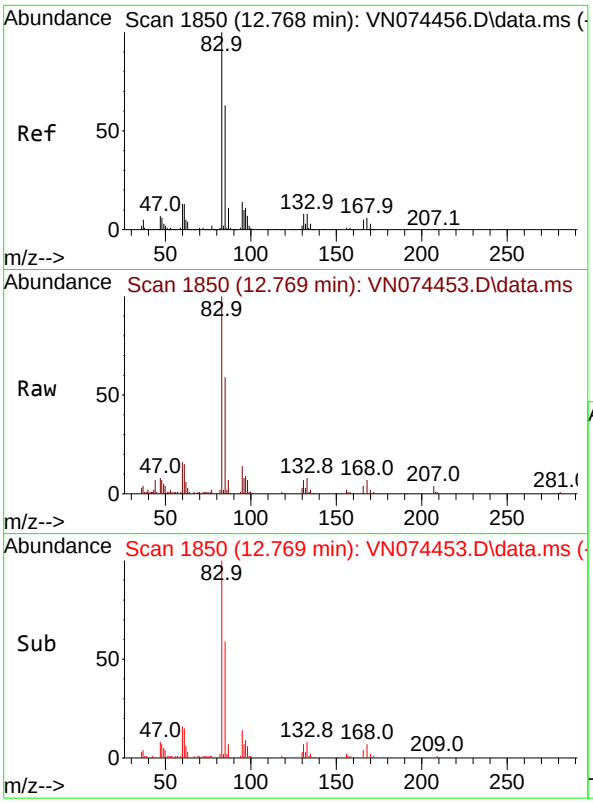


#74
N-amyl acetate
Concen: 8.034 ug/l
RT: 12.327 min Scan# 1775
Delta R.T. 0.000 min
Lab File: VN074453.D
Acq: 15 Sep 2022 10:36

Tgt Ion: 43 Resp: 99878

Ion	Ratio	Lower	Upper
43	100		
70	39.0	39.0	58.4
55	21.1	21.1	31.7
61	23.2	21.1	31.7





#75
1,1,2,2-Tetrachloroethane
Concen: 7.780 ug/l
RT: 12.769 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074453.D
Acq: 15 Sep 2022 10:36

Tgt Ion: 83 Resp: 6615

Ion	Ratio	Lower	Upper
83	100		
131	8.6	5.3	15.9
85	60.8	32.3	96.9

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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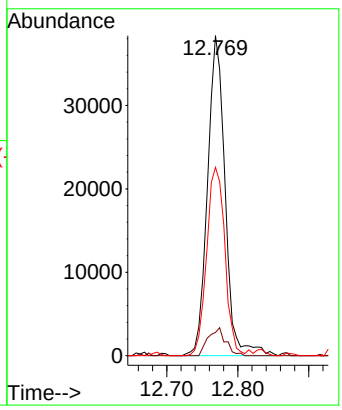
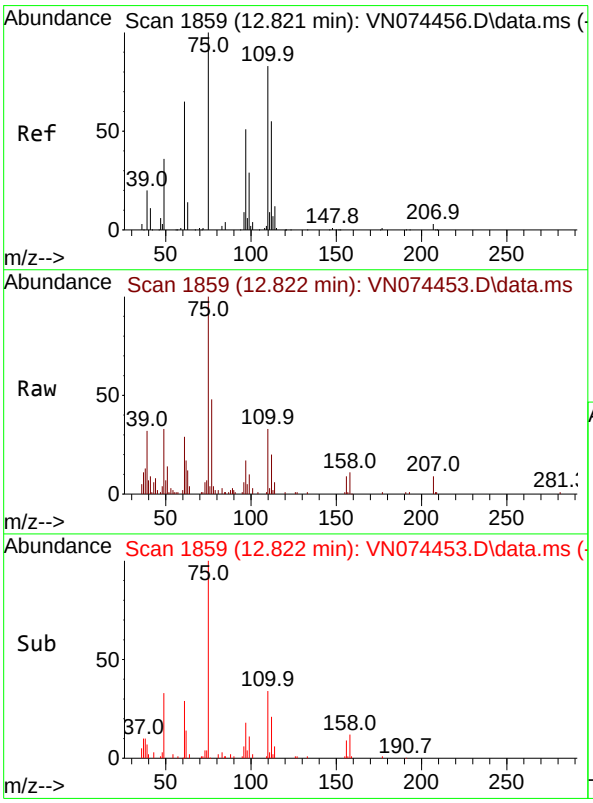
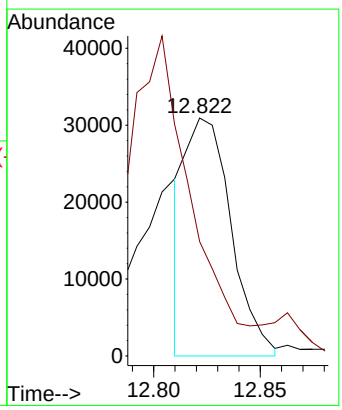


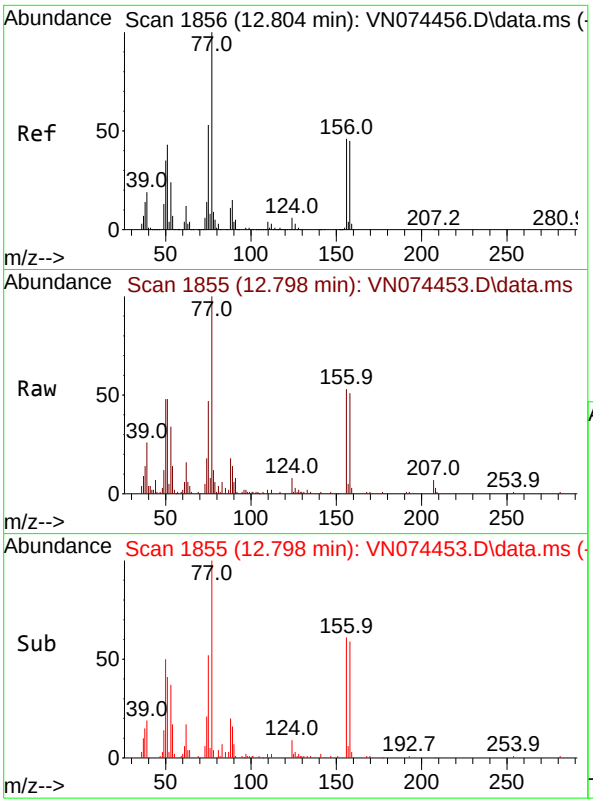


#76
1,2,3-Trichloropropane
Concen: 6.369 ug/l m
RT: 12.822 min Scan# 1859
Delta R.T. 0.000 min
Lab File: VN074453.D
Acq: 15 Sep 2022 10:36

Tgt Ion: 75 Resp: 46610

Ion	Ratio	Lower	Upper
75	100		
77	181.0	98.5	295.5

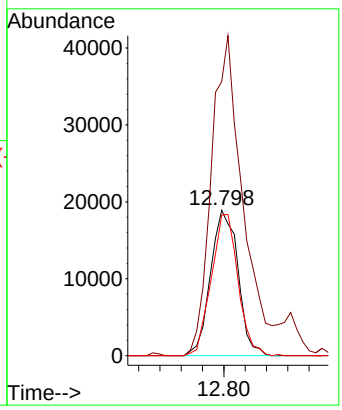




#77
Bromobenzene
Concen: 6.216 ug/l
RT: 12.798 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN074453.D
Acq: 15 Sep 2022 10:36

Tgt Ion:156 Resp: 3377

Ion	Ratio	Lower	Upper
156	100		
77	249.8	100.5	301.5
158	95.1	48.9	146.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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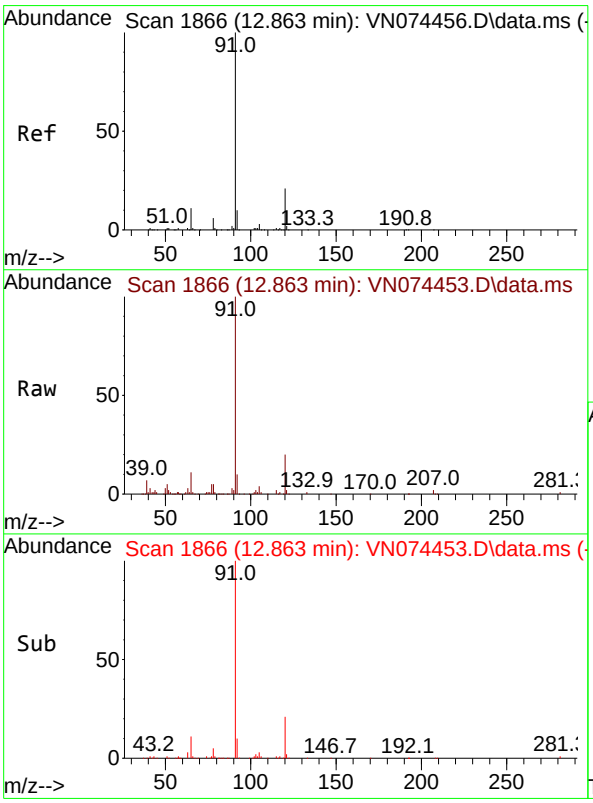
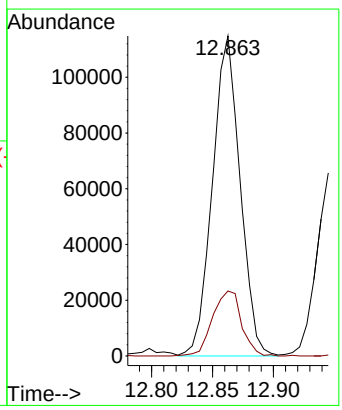
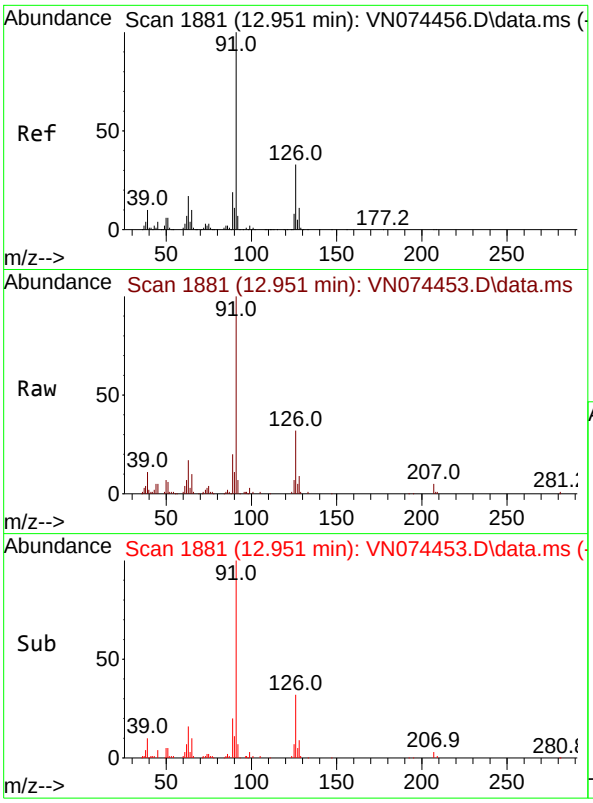


#78
n-propylbenzene
Concen: 6.978 ug/l
RT: 12.863 min Scan# 1866
Delta R.T. 0.000 min
Lab File: VN074453.D
Acq: 15 Sep 2022 10:36

Tgt Ion: 91 Resp: 181525

Ion	Ratio	Lower	Upper
91	100		
120	21.2	11.9	35.5

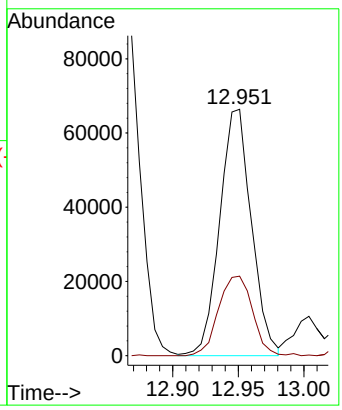




#79
2-Chlorotoluene
Concen: 6.741 ug/l
RT: 12.951 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074453.D
Acq: 15 Sep 2022 10:36

Tgt Ion: 91 Resp: 11191

Ion	Ratio	Lower	Upper
91	100		
126	34.6	17.3	51.9



Instrument :
MSVOA_N
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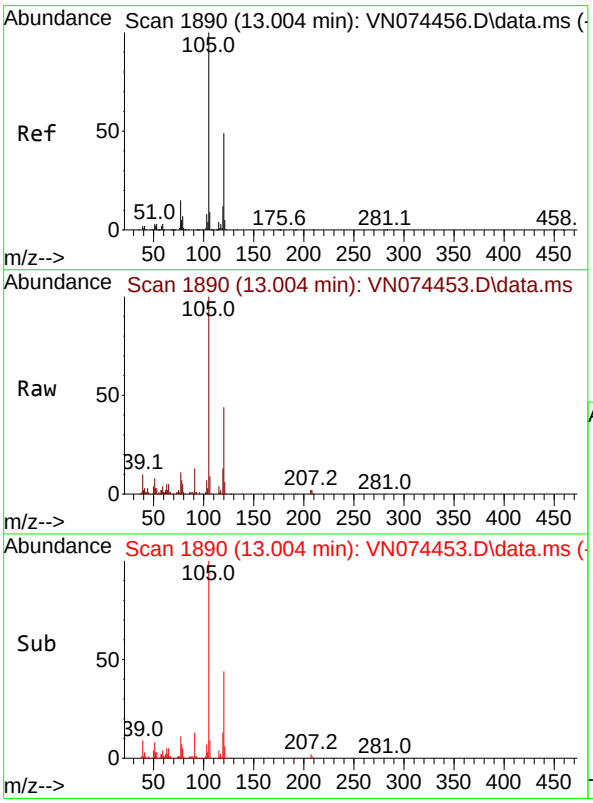
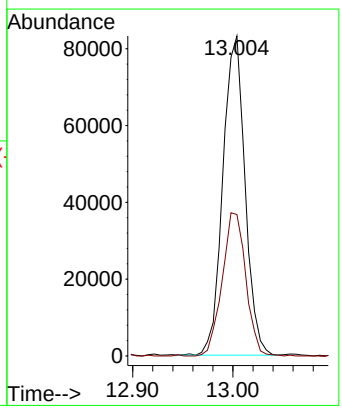
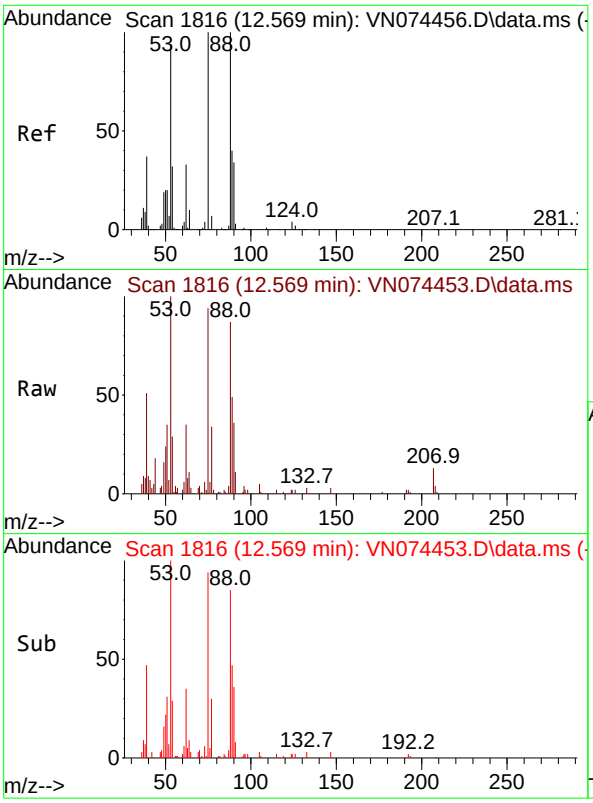


#80
1,3,5-Trimethylbenzene
Concen: 6.679 ug/l
RT: 13.004 min Scan# 1890
Delta R.T. 0.000 min
Lab File: VN074453.D
Acq: 15 Sep 2022 10:36

Tgt Ion:105 Resp: 127564

Ion	Ratio	Lower	Upper
105	100		
120	47.9	24.9	74.7

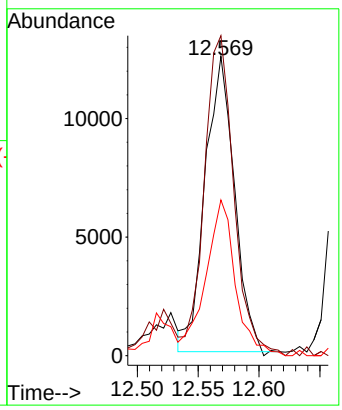




#81
trans-1,4-Dichloro-2-butene
Concen: 7.392 ug/l
RT: 12.569 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074453.D
Acq: 15 Sep 2022 10:36

Tgt Ion: 75 Resp: 2088

Ion	Ratio	Lower	Upper
75	100		
53	109.4	78.0	117.0
89	53.6	37.2	55.8



Instrument :
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ClientSampleId :
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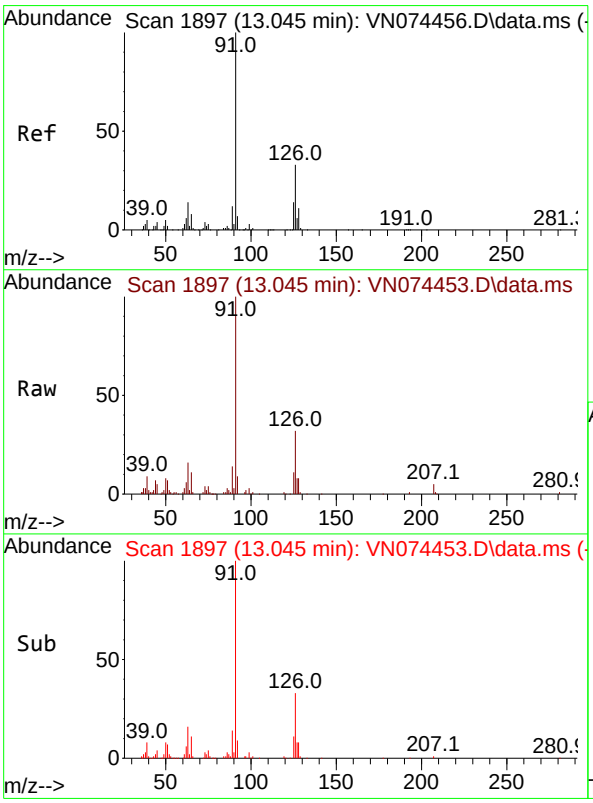
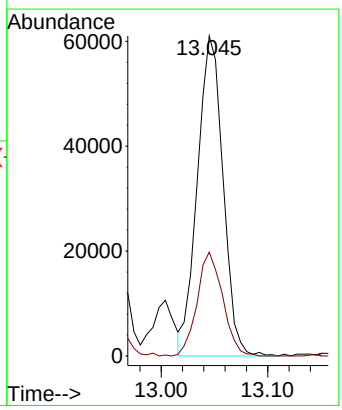
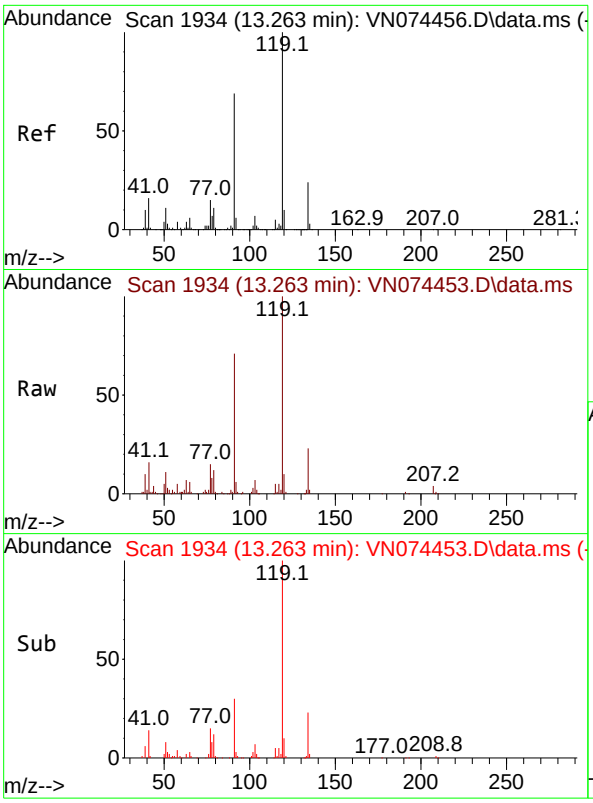


#82
4-Chlorotoluene
Concen: 6.519 ug/l
RT: 13.045 min Scan# 1897
Delta R.T. 0.000 min
Lab File: VN074453.D
Acq: 15 Sep 2022 10:36

Tgt Ion: 91 Resp: 102289

Ion	Ratio	Lower	Upper
91	100		
126	32.3	17.2	51.6

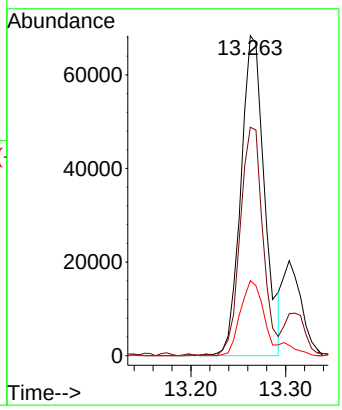




#83
tert-Butylbenzene
Concen: 6.825 ug/l
RT: 13.263 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074453.D
Acq: 15 Sep 2022 10:36

Tgt Ion:119 Resp: 11883

Ion	Ratio	Lower	Upper
119	100		
91	68.6	31.6	94.8
134	25.8	13.7	41.1



Instrument :
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ClientSampleId :
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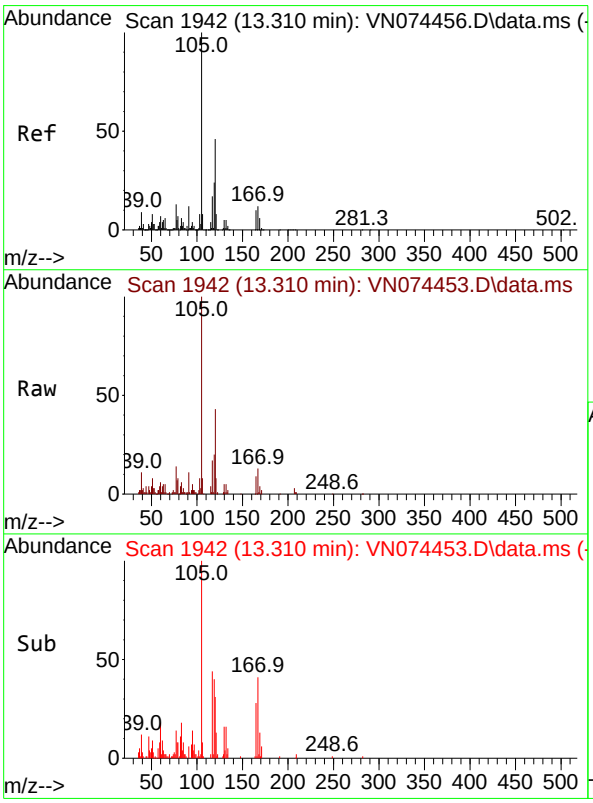
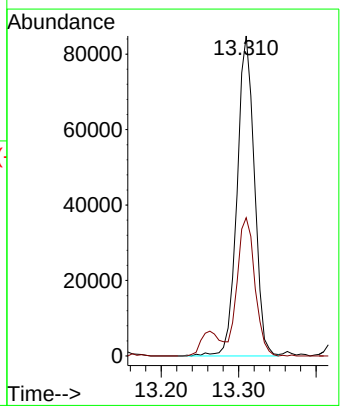
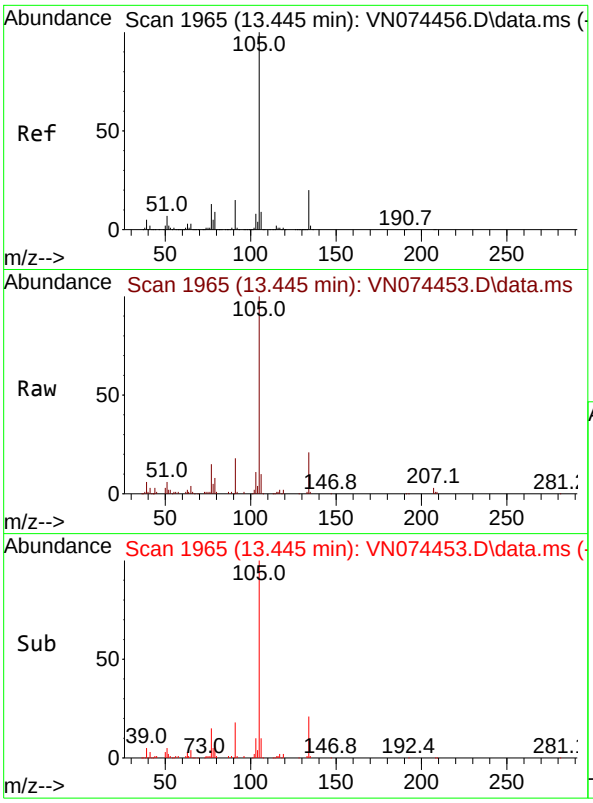


#84
1,2,4-Trimethylbenzene
Concen: 6.919 ug/l
RT: 13.310 min Scan# 1942
Delta R.T. 0.000 min
Lab File: VN074453.D
Acq: 15 Sep 2022 10:36

Tgt Ion:105 Resp: 131787

Ion	Ratio	Lower	Upper
105	100		
120	43.5	23.3	69.8

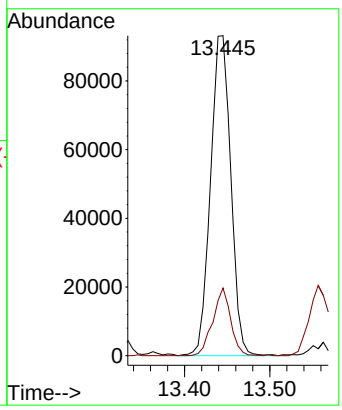




#85
sec-Butylbenzene
Concen: 6.567 ug/l
RT: 13.445 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074453.D
Acq: 15 Sep 2022 10:36

Tgt Ion:105 Resp: 15435

Ion	Ratio	Lower	Upper
105	100		
134	18.6	10.4	31.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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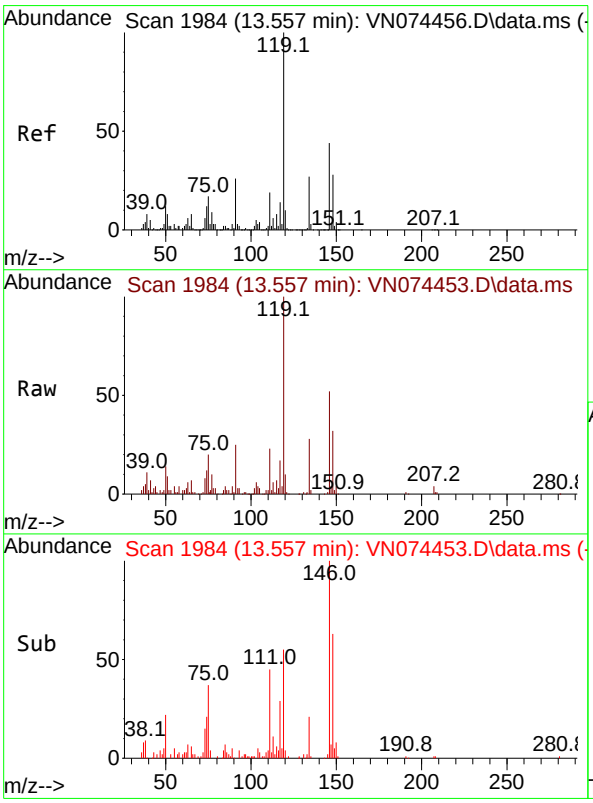
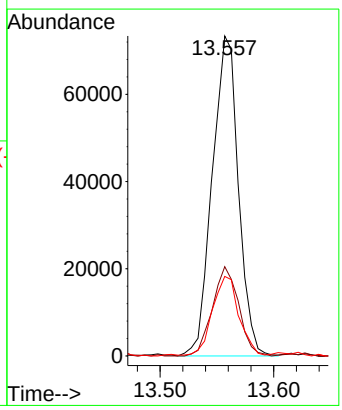
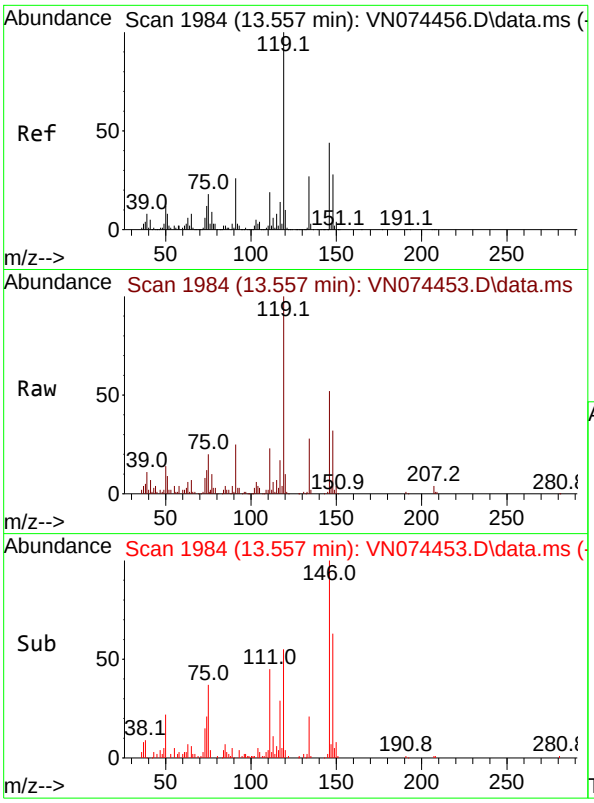


#86
p-Isopropyltoluene
Concen: 6.214 ug/l
RT: 13.557 min Scan# 1984
Delta R.T. 0.000 min
Lab File: VN074453.D
Acq: 15 Sep 2022 10:36

Tgt Ion:119 Resp: 117408

Ion	Ratio	Lower	Upper
119	100		
134	28.0	13.3	39.8
91	24.8	11.3	33.9





#87
1,3-Dichlorobenzene
Concen: 6.151 ug/l
RT: 13.557 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074453.D
Acq: 15 Sep 2022 10:36

Tgt Ion:146 Resp: 6049

Ion	Ratio	Lower	Upper
146	100		
111	42.6	20.0	60.0
148	62.7	32.0	96.0

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
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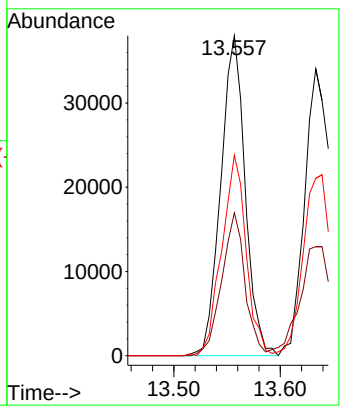
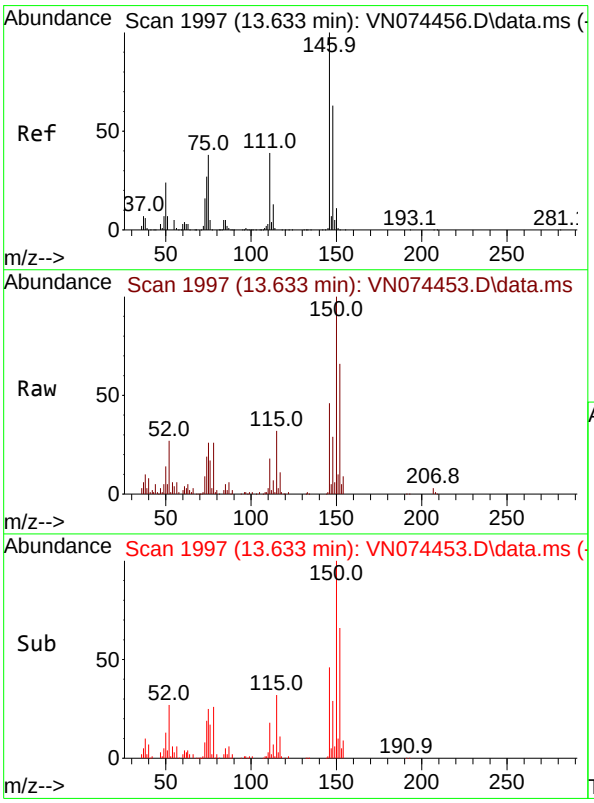
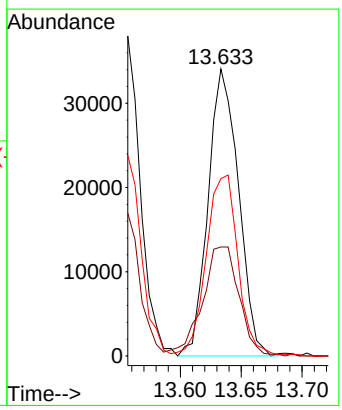


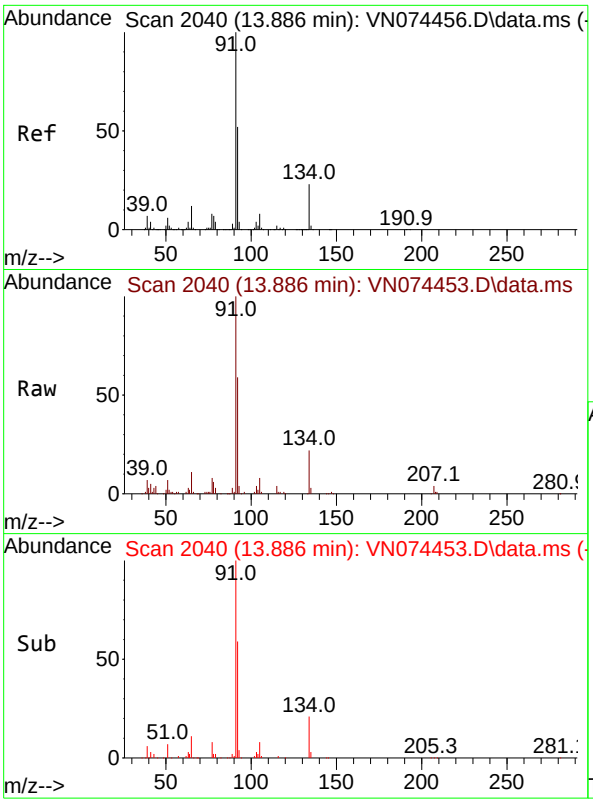


#88
1,4-Dichlorobenzene
Concen: 5.993 ug/l
RT: 13.633 min Scan# 1997
Delta R.T. 0.000 min
Lab File: VN074453.D
Acq: 15 Sep 2022 10:36

Tgt Ion:146 Resp: 59281

Ion	Ratio	Lower	Upper
146	100		
111	45.9	19.1	57.1
148	66.1	31.4	94.3

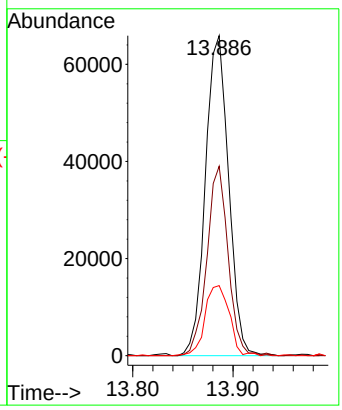




#89
n-Butylbenzene
Concen: 6.739 ug/l
RT: 13.886 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN074453.D
Acq: 15 Sep 2022 10:36

Tgt Ion: 91 Resp: 10598

Ion	Ratio	Lower	Upper
91	100		
92	54.2	26.9	80.7
134	23.1	13.6	40.8



Instrument :
MSVOA_N
ClientSampleId :
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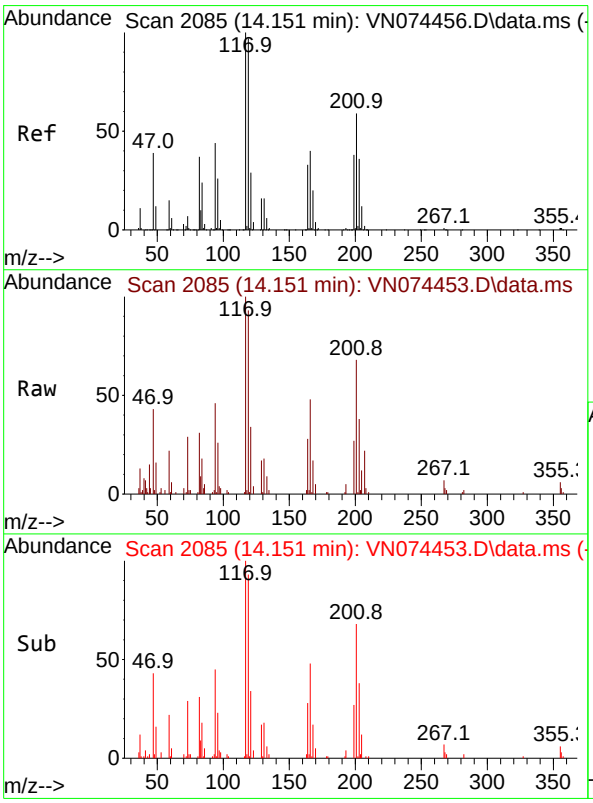
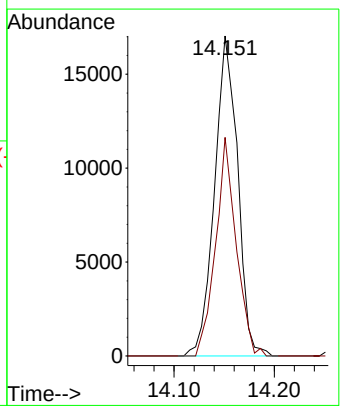
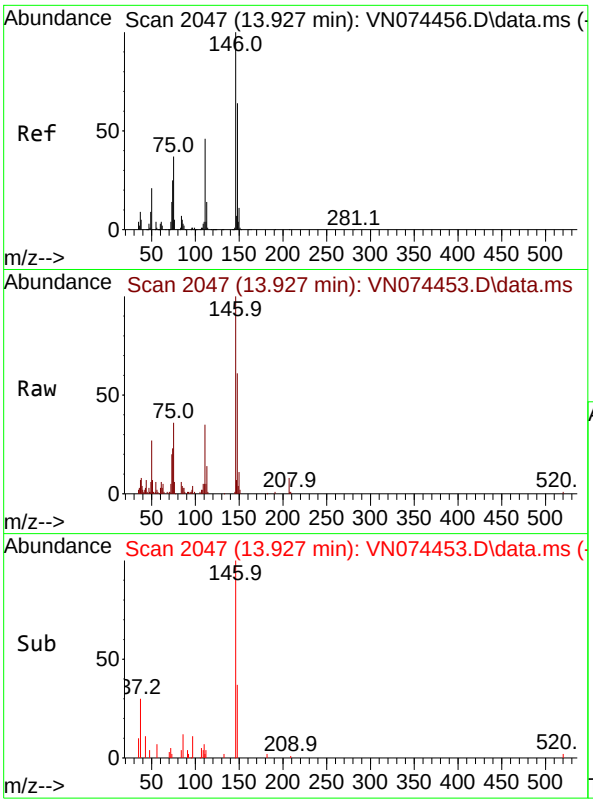


#90
Hexachloroethane
Concen: 7.504 ug/l
RT: 14.151 min Scan# 2085
Delta R.T. 0.000 min
Lab File: VN074453.D
Acq: 15 Sep 2022 10:36

Tgt Ion:117 Resp: 27252

Ion	Ratio	Lower	Upper
117	100		
201	60.9	40.6	122.0

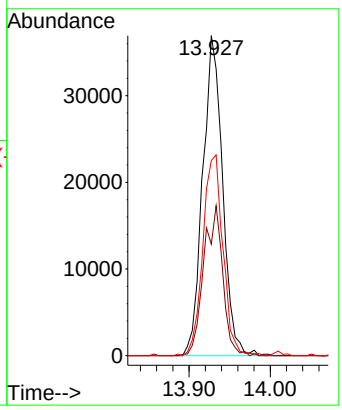




#91
1,2-Dichlorobenzene
Concen: 6.146 ug/l
RT: 13.927 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN074453.D
Acq: 15 Sep 2022 10:36

Tgt Ion:146 Resp: 6266

Ion	Ratio	Lower	Upper
146	100		
111	44.9	20.9	62.8
148	63.6	32.1	96.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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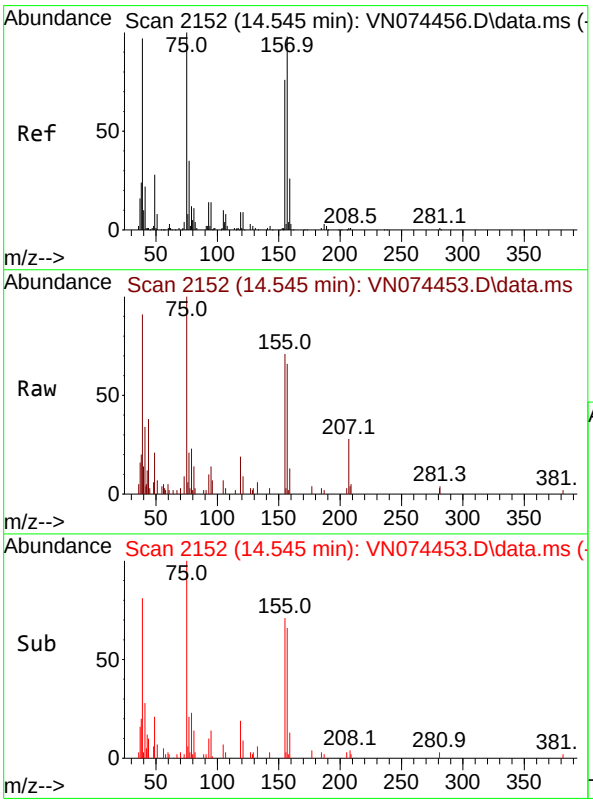
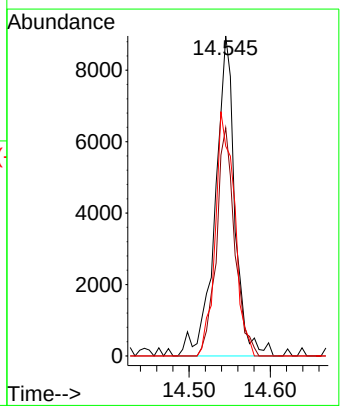
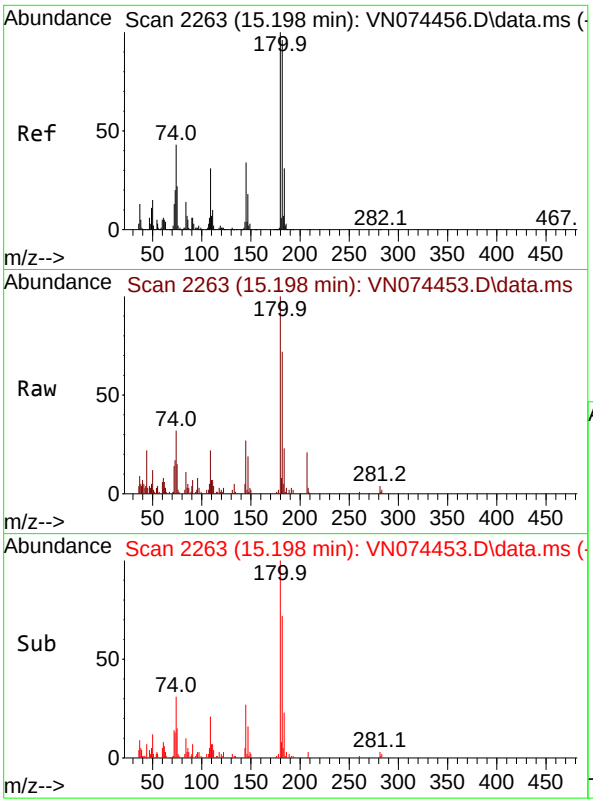


#92
1,2-Dibromo-3-Chloropropane
Concen: 6.766 ug/l
RT: 14.545 min Scan# 2152
Delta R.T. 0.000 min
Lab File: VN074453.D
Acq: 15 Sep 2022 10:36

Tgt Ion: 75 Resp: 15126

Ion	Ratio	Lower	Upper
75	100		
155	66.5	44.9	134.5
157	74.0	59.0	176.8

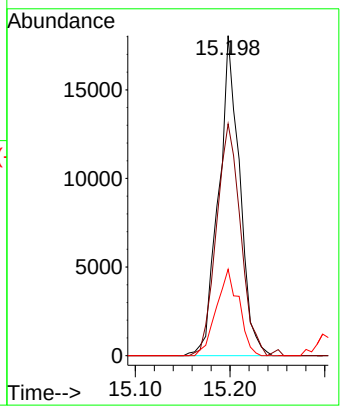




#93
1,2,4-Trichlorobenzene
Concen: 5.057 ug/l
RT: 15.198 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN074453.D
Acq: 15 Sep 2022 10:36

Tgt Ion:180 Resp: 2785

Ion	Ratio	Lower	Upper
180	100		
182	83.2	47.5	142.5
145	29.0	14.5	43.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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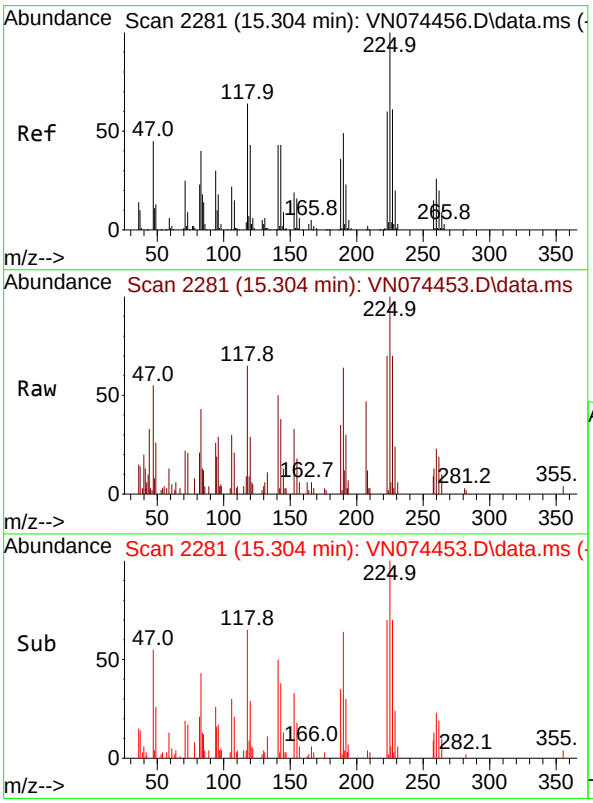
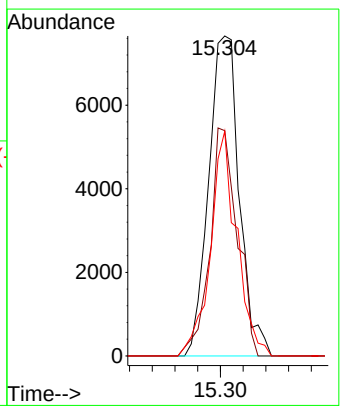
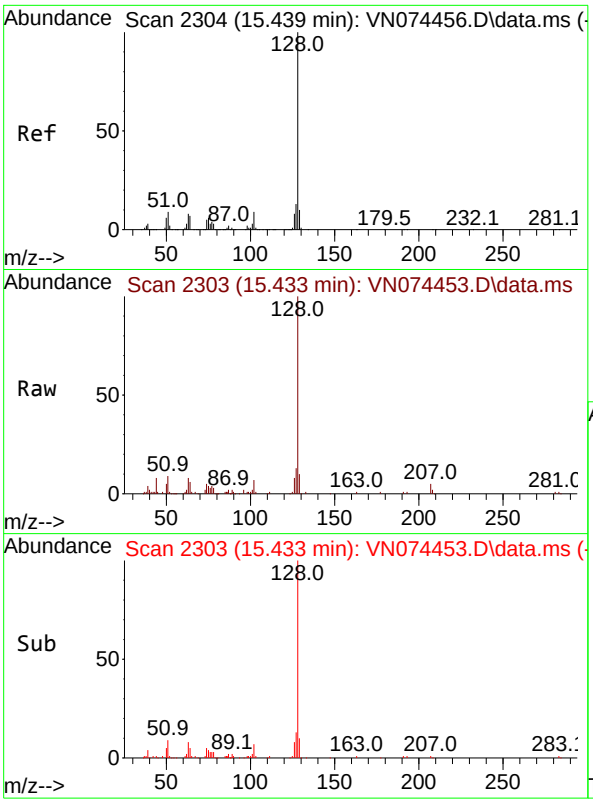


#94
Hexachlorobutadiene
Concen: 6.013 ug/l
RT: 15.304 min Scan# 2281
Delta R.T. 0.000 min
Lab File: VN074453.D
Acq: 15 Sep 2022 10:36

Tgt Ion:225 Resp: 14350

Ion	Ratio	Lower	Upper
225	100		
223	63.7	32.4	97.2
227	60.0	31.8	95.4

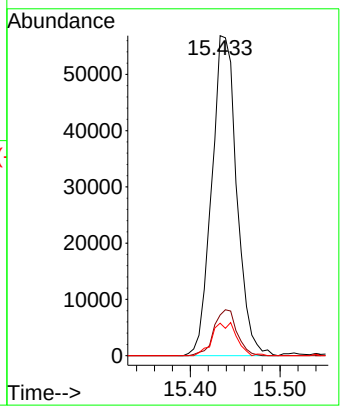




#95
Naphthalene
Concen: 4.860 ug/l
RT: 15.433 min Scan# 2
Delta R.T. -0.006 min
Lab File: VN074453.D
Acq: 15 Sep 2022 10:36

Tgt Ion:128 Resp: 11007

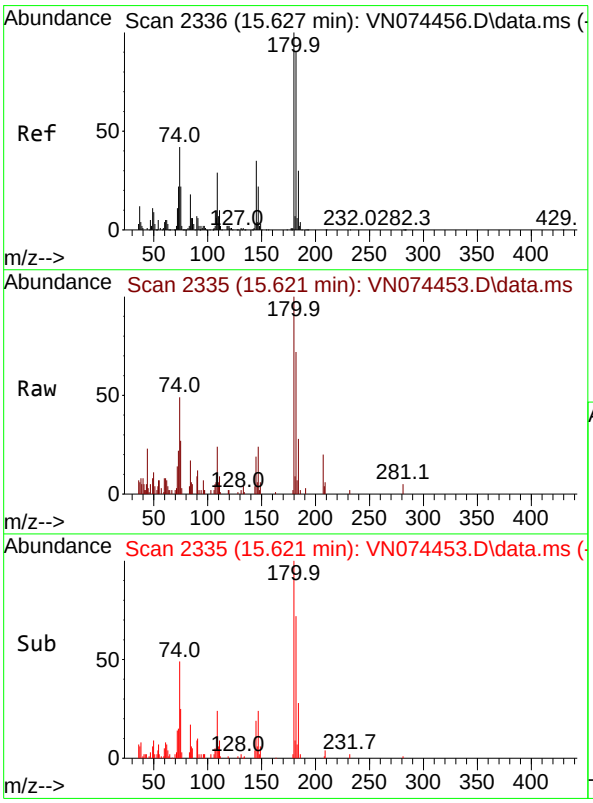
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.3	15.5
129	10.1	8.6	13.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

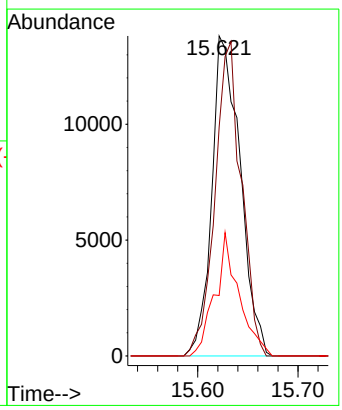
Reviewed By :John Carlone 09/16/2022
Supervised By :Mahesh Dadoda 09/16/2022



#96
1,2,3-Trichlorobenzene
Concen: 4.595 ug/l
RT: 15.621 min Scan# 2335
Delta R.T. -0.006 min
Lab File: VN074453.D
Acq: 15 Sep 2022 10:36

Tgt Ion:180 Resp: 27124

Ion	Ratio	Lower	Upper
180	100		
182	91.2	47.8	143.3
145	32.6	15.5	46.5



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091522\
Data File : VN074454.D
Acq On : 15 Sep 2022 11:00
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 15 19:06:57 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 15 19:05:53 2022
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :John Carlone 09/16/2022
Supervised By :Mahesh Dadoda 09/16/2022

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	8.010	168	423568	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	8.898	114	821330	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.686	117	720004	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	298133	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.369	65	70060	11.800	ug/l		0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 23.600%#				
35) Dibromofluoromethane	7.945	113	52084	10.171	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 20.340%#				
50) Toluene-d8	10.380	98	195524	10.269	ug/l		0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 20.540%#				
62) 4-Bromofluorobenzene	12.674	95	63875	9.314	ug/l		0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 18.620%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.046	85	43067	10.815	ug/l		97
3) Chloromethane	2.263	50	80724	16.106	ug/l		99
4) Vinyl Chloride	2.404	62	80497	19.225	ug/l		92
5) Bromomethane	2.781	94	48729	25.367	ug/l		99
6) Chloroethane	2.951	64	55831	20.701	ug/l		89
7) Trichlorofluoromethane	3.304	101	88084	13.947	ug/l		94
8) Diethyl Ether	3.757	74	43905	13.692	ug/l		79
9) 1,1,2-Trichlorotrifluo...	4.134	101	55549	13.144	ug/l		87
10) Methyl Iodide	4.351	142	64151	12.851	ug/l		92
11) Tert butyl alcohol	5.275	59	123476	78.413	ug/l	#	86
12) 1,1-Dichloroethene	4.110	96	51525	12.253	ug/l		99
13) Acrolein	3.981	56	40266	63.952	ug/l		95
14) Allyl chloride	4.763	41	134442	14.600	ug/l	#	91
15) Acrylonitrile	5.469	53	249602	68.654	ug/l		99
16) Acetone	4.216	43	215644	65.377	ug/l		97
17) Carbon Disulfide	4.451	76	137879	12.633	ug/l		96
18) Methyl Acetate	4.769	43	144860	15.887	ug/l	#	89
19) Methyl tert-butyl Ether	5.528	73	225343	13.966	ug/l		100
20) Methylene Chloride	5.010	84	71792	12.932	ug/l	#	81
21) trans-1,2-Dichloroethene	5.516	96	58223	12.609	ug/l		91
22) Diisopropyl ether	6.410	45	255587	14.645	ug/l	#	94
23) Vinyl Acetate	6.345	43	1127709	70.332	ug/l		94
24) 1,1-Dichloroethane	6.304	63	127700	14.162	ug/l		98
25) 2-Butanone	7.257	43	371345	69.755	ug/l		90
26) 2,2-Dichloropropane	7.245	77	111151	13.815	ug/l		97
27) cis-1,2-Dichloroethene	7.245	96	73001	13.131	ug/l		85
28) Bromochloromethane	7.580	49	33675	9.669	ug/l	#	70
29) Tetrahydrofuran	7.610	42	240569	68.170	ug/l		88
30) Chloroform	7.739	83	124233	13.787	ug/l		84
31) Cyclohexane	8.022	56	128425	15.106	ug/l		84
32) 1,1,1-Trichloroethane	7.939	97	102292	13.058	ug/l		95
36) 1,1-Dichloropropene	8.151	75	89048	12.439	ug/l		99
37) Ethyl Acetate	7.333	43	137950	11.967	ug/l		96
38) Carbon Tetrachloride	8.133	117	85333	11.563	ug/l		97
39) Methylcyclohexane	9.392	83	109702	12.638	ug/l		94
40) Benzene	8.392	78	294662	13.055	ug/l		94

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091522\
Data File : VN074454.D
Acq On : 15 Sep 2022 11:00
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 15 19:06:57 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 15 19:05:53 2022
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :John Carlone 09/16/2022
Supervised By :Mahesh Dadoda 09/16/2022

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.563	41	74303	13.628	ug/l	#	84
42) 1,2-Dichloroethane	8.463	62	94391	11.866	ug/l		100
43) Isopropyl Acetate	8.492	43	218571	13.161	ug/l	#	93
44) Trichloroethene	9.151	130	57857	10.492	ug/l		84
45) 1,2-Dichloropropane	9.427	63	79064	13.529	ug/l		99
46) Dibromomethane	9.516	93	48583	12.528	ug/l	#	83
47) Bromodichloromethane	9.698	83	99068	12.854	ug/l		94
48) Methyl methacrylate	9.498	41	94824	12.618	ug/l		89
49) 1,4-Dioxane	9.510	88	38628	234.364	ug/l	#	88
51) 4-Methyl-2-Pentanone	10.269	43	729156	66.779	ug/l		92
52) Toluene	10.445	92	169441	12.280	ug/l		97
53) t-1,3-Dichloropropene	10.657	75	107746	12.822	ug/l		95
54) cis-1,3-Dichloropropene	10.127	75	119419	13.032	ug/l		91
55) 1,1,2-Trichloroethane	10.839	97	69952	11.639	ug/l		90
56) Ethyl methacrylate	10.704	69	126066	12.890	ug/l	#	85
57) 1,3-Dichloropropane	10.986	76	121719	12.092	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.980	63	274735	63.712	ug/l		91
59) 2-Hexanone	11.027	43	558122	66.251	ug/l		92
60) Dibromochloromethane	11.174	129	66045	11.738	ug/l		100
61) 1,2-Dibromoethane	11.286	107	69924	11.853	ug/l		96
64) Tetrachloroethene	10.916	164	46167	10.510	ug/l		95
65) Chlorobenzene	11.710	112	173115	11.993	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.780	131	63202	11.600	ug/l		98
67) Ethyl Benzene	11.786	91	322037	12.539	ug/l		98
68) m/p-Xylenes	11.892	106	233433	23.281	ug/l		94
69) o-Xylene	12.215	106	115891	11.536	ug/l		89
70) Styrene	12.233	104	191856	11.855	ug/l		98
71) Bromoform	12.398	173	46743	11.442	ug/l	#	99
73) Isopropylbenzene	12.521	105	301491	12.667	ug/l		97
74) N-amyl acetate	12.327	43	182539	14.363	ug/l	#	89
75) 1,1,2,2-Tetrachloroethane	12.768	83	116557	13.408	ug/l		99
76) 1,2,3-Trichloropropane	12.821	75	90005m	12.030	ug/l		
77) Bromobenzene	12.798	156	62566	11.264	ug/l		72
78) n-propylbenzene	12.863	91	349466	13.141	ug/l		96
79) 2-Chlorotoluene	12.951	91	207819	12.245	ug/l		97
80) 1,3,5-Trimethylbenzene	13.004	105	240480	12.316	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.568	75	42533	14.722	ug/l		96
82) 4-Chlorotoluene	13.045	91	192347	11.991	ug/l		99
83) tert-Butylbenzene	13.262	119	223593	12.561	ug/l		98
84) 1,2,4-Trimethylbenzene	13.310	105	237945	12.221	ug/l		100
85) sec-Butylbenzene	13.445	105	302537	12.590	ug/l		96
86) p-Isopropyltoluene	13.557	119	235616	12.198	ug/l		98
87) 1,3-Dichlorobenzene	13.557	146	112187	11.158	ug/l		98
88) 1,4-Dichlorobenzene	13.639	146	112368	11.111	ug/l		94
89) n-Butylbenzene	13.880	91	193792	12.053	ug/l		97
90) Hexachloroethane	14.151	117	51350	13.831	ug/l		77
91) 1,2-Dichlorobenzene	13.933	146	116877	11.214	ug/l		96
92) 1,2-Dibromo-3-Chloropr...	14.545	75	24701	10.808	ug/l		82
93) 1,2,4-Trichlorobenzene	15.198	180	50834	9.026	ug/l		92
94) Hexachlorobutadiene	15.304	225	23361	9.576	ug/l		96
95) Naphthalene	15.439	128	220718	9.531	ug/l		98
96) 1,2,3-Trichlorobenzene	15.627	180	53875	8.927	ug/l		94

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091522\
Data File : VN074454.D
Acq On : 15 Sep 2022 11:00
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 15 19:06:57 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 15 19:05:53 2022
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :John Carlone 09/16/2022
Supervised By :Mahesh Dadoda 09/16/2022

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

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

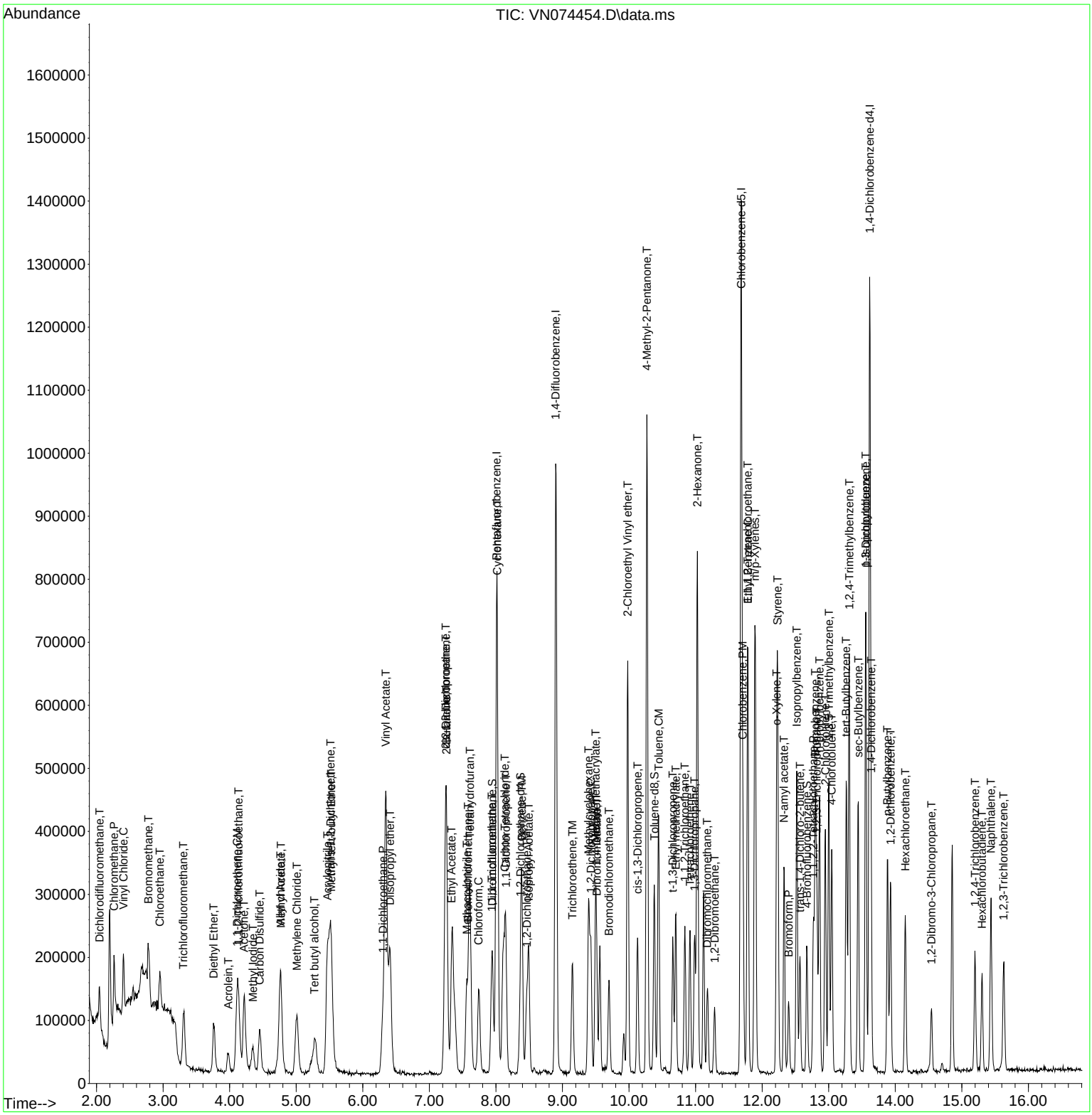
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091522\
Data File : VN074454.D
Acq On : 15 Sep 2022 11:00
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

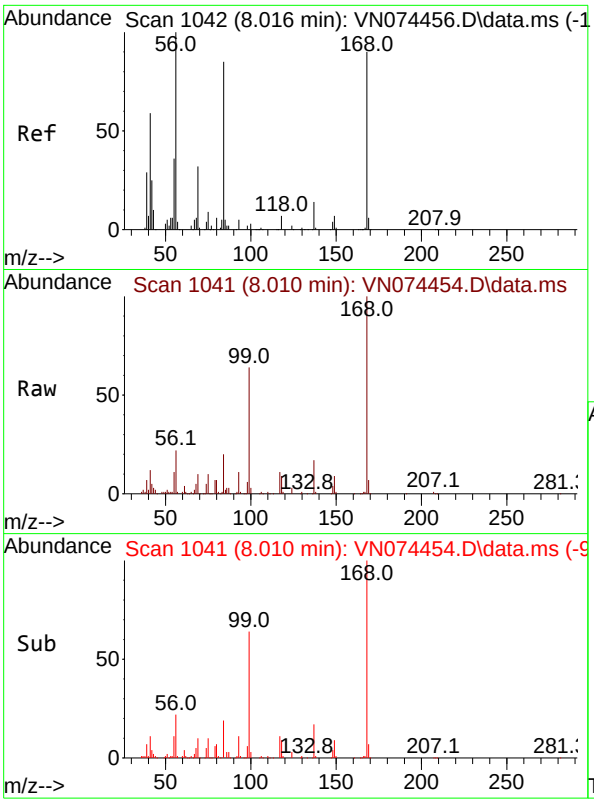
Quant Time: Sep 15 19:06:57 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 15 19:05:53 2022
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :John Carlone 09/16/2022
Supervised By :Mahesh Dadoda 09/16/2022

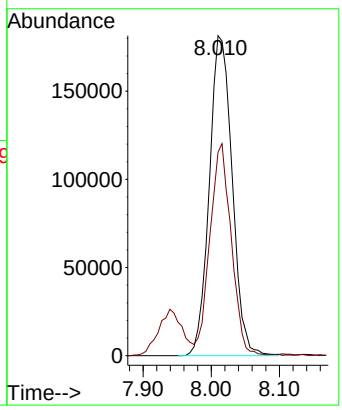




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.010 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN074454.D
Acq: 15 Sep 2022 11:00

Tgt Ion:168 Resp: 42356

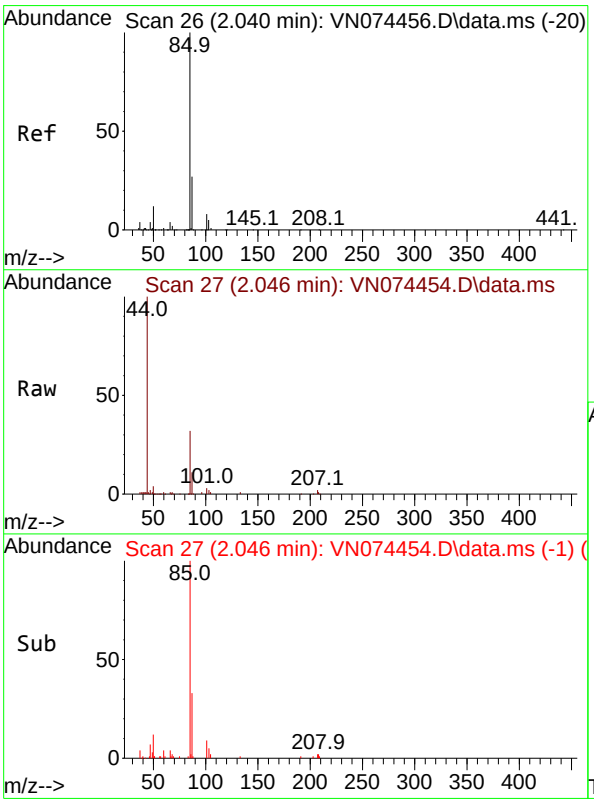
Ion	Ratio	Lower	Upper
168	100		
99	63.2	42.3	63.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

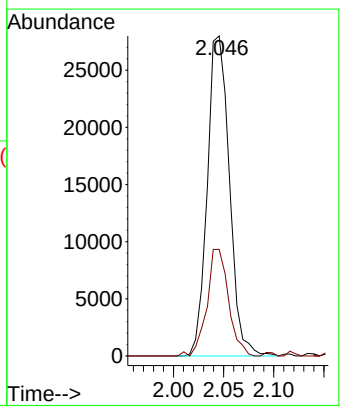
Reviewed By :John Carlone 09/16/2022
Supervised By :Mahesh Dadoda 09/16/2022

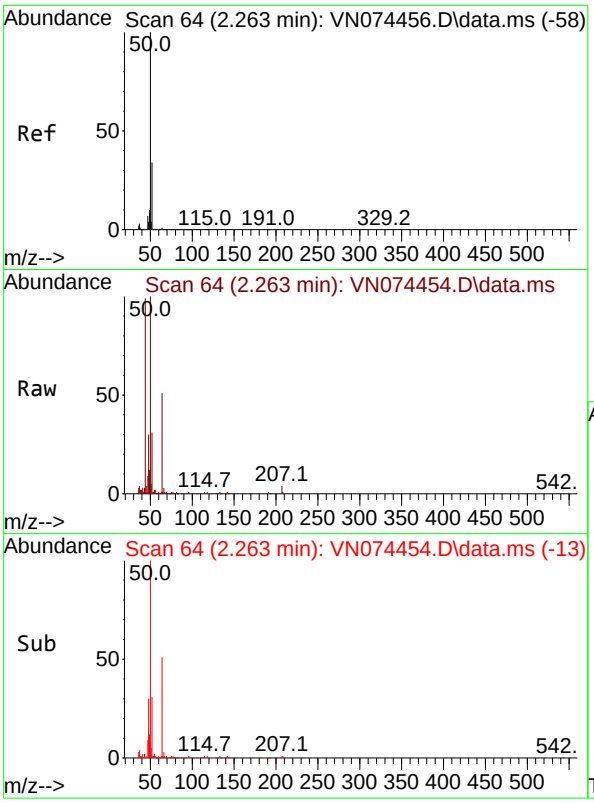


#2
Dichlorodifluoromethane
Concen: 10.815 ug/l
RT: 2.046 min Scan# 27
Delta R.T. 0.006 min
Lab File: VN074454.D
Acq: 15 Sep 2022 11:00

Tgt Ion: 85 Resp: 43067

Ion	Ratio	Lower	Upper
85	100		
87	33.3	15.7	47.1

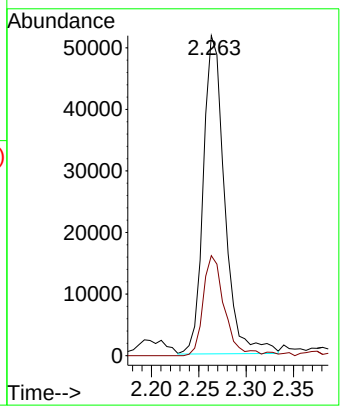




#3
Chloromethane
Concen: 16.106 ug/l
RT: 2.263 min Scan# 64
Delta R.T. -0.000 min
Lab File: VN074454.D
Acq: 15 Sep 2022 11:00

Tgt Ion: 50 Resp: 8072

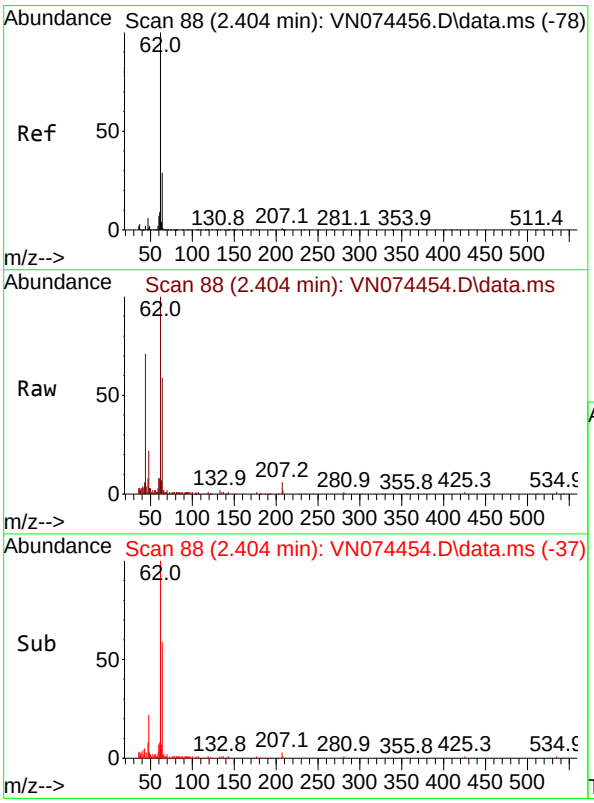
Ion	Ratio	Lower	Upper
50	100		
52	31.5	25.7	38.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

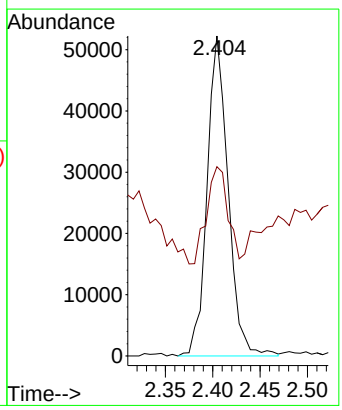
Reviewed By :John Carlone 09/16/2022
Supervised By :Mahesh Dadoda 09/16/2022

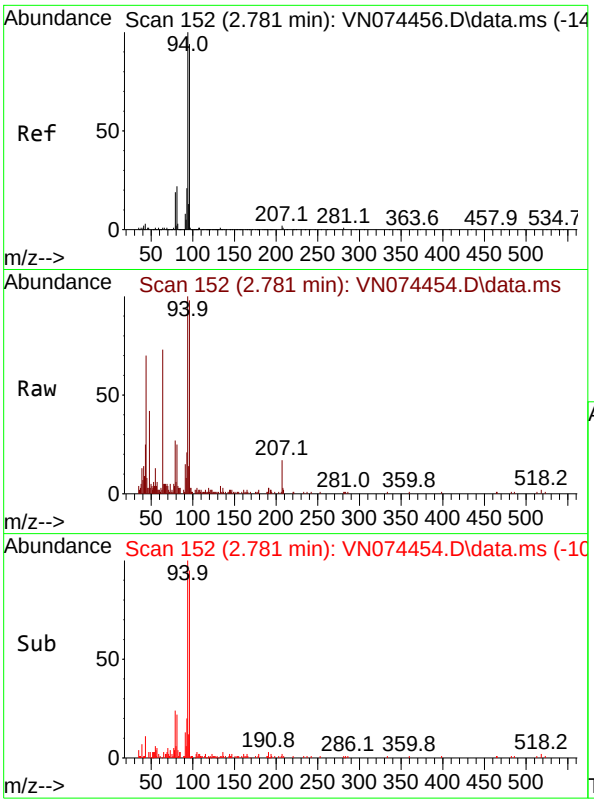


#4
Vinyl Chloride
Concen: 19.225 ug/l
RT: 2.404 min Scan# 88
Delta R.T. -0.000 min
Lab File: VN074454.D
Acq: 15 Sep 2022 11:00

Tgt Ion: 62 Resp: 80497

Ion	Ratio	Lower	Upper
62	100		
64	26.6	25.0	37.4

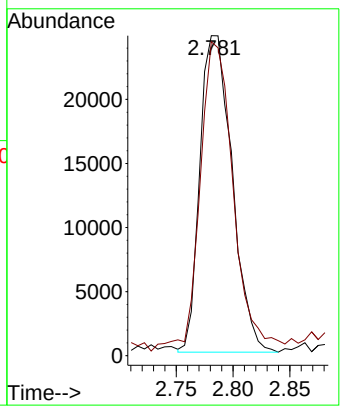




#5
Bromomethane
Concen: 25.367 ug/l
RT: 2.781 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074454.D
Acq: 15 Sep 2022 11:00

Tgt Ion: 94 Resp: 4872

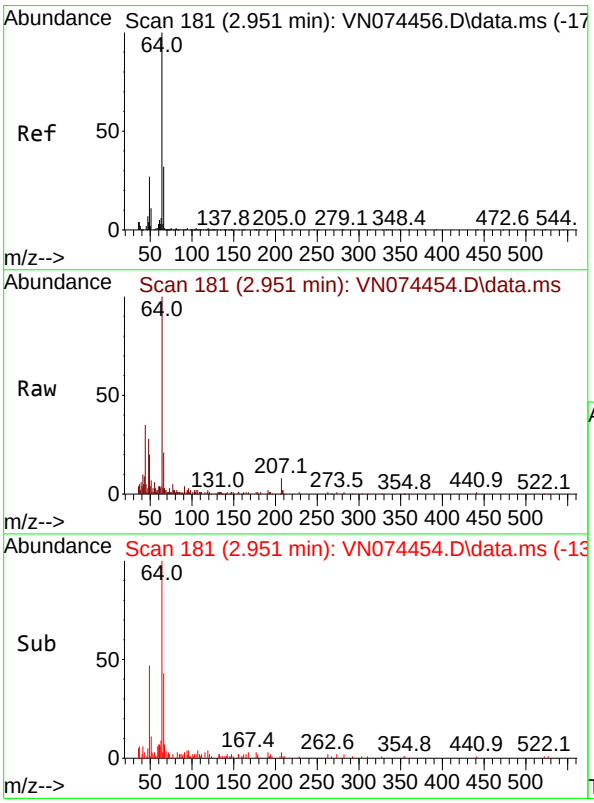
Ion	Ratio	Lower	Upper
94	100		
96	94.4	76.0	114.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

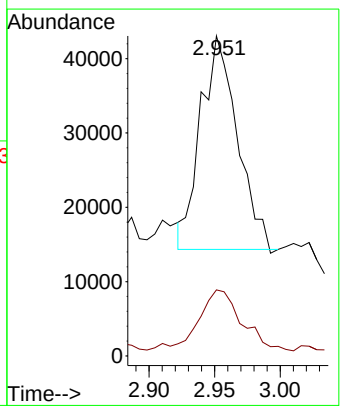
Reviewed By :John Carlone 09/16/2022
Supervised By :Mahesh Dadoda 09/16/2022

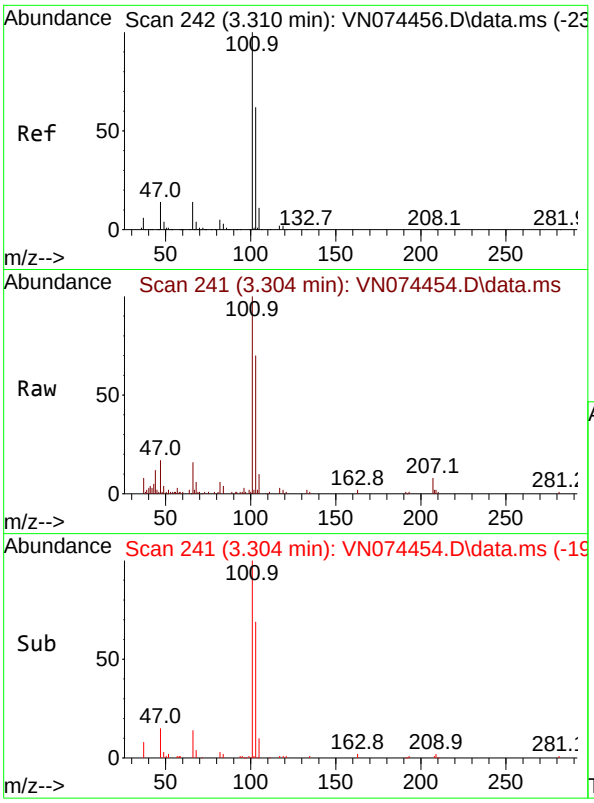


#6
Chloroethane
Concen: 20.701 ug/l
RT: 2.951 min Scan# 181
Delta R.T. -0.000 min
Lab File: VN074454.D
Acq: 15 Sep 2022 11:00

Tgt Ion: 64 Resp: 55831

Ion	Ratio	Lower	Upper
64	100		
66	26.4	26.2	39.4

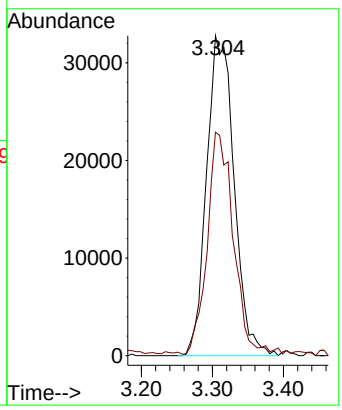




#7
Trichlorofluoromethane
Concen: 13.947 ug/l
RT: 3.304 min Scan# 24
Delta R.T. -0.006 min
Lab File: VN074454.D
Acq: 15 Sep 2022 11:00

Tgt Ion:101 Resp: 8808

Ion	Ratio	Lower	Upper
101	100		
103	68.8	51.5	77.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

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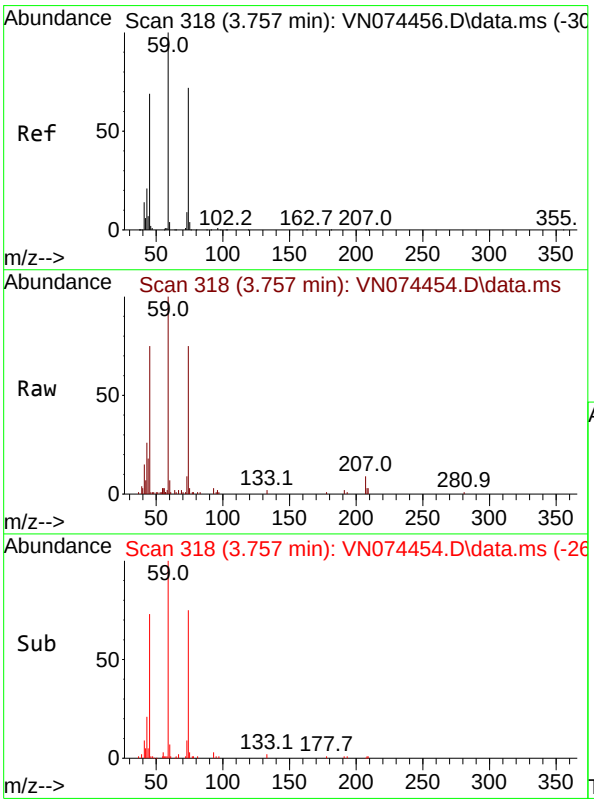
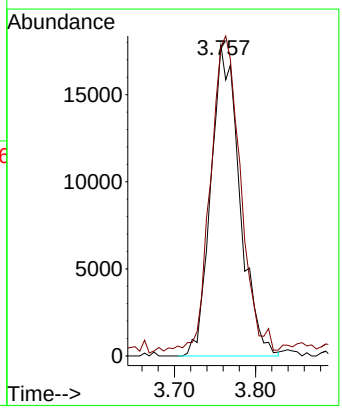
Reviewed By :John Carlone 09/16/2022
Supervised By :Mahesh Dadoda 09/16/2022

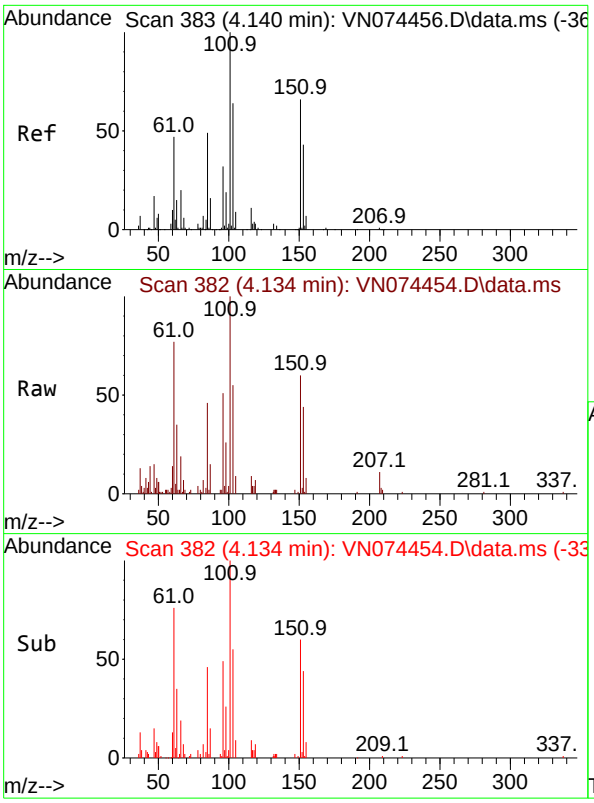


#8
Diethyl Ether
Concen: 13.692 ug/l
RT: 3.757 min Scan# 318
Delta R.T. -0.000 min
Lab File: VN074454.D
Acq: 15 Sep 2022 11:00

Tgt Ion: 74 Resp: 43905

Ion	Ratio	Lower	Upper
74	100		
45	104.9	42.9	128.5

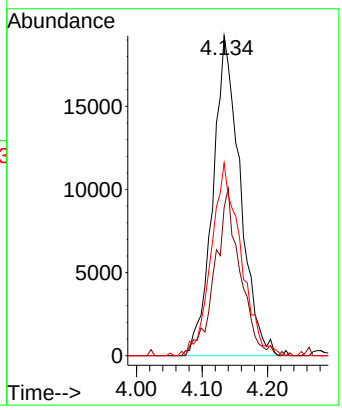




#9
1,1,2-Trichlorotrifluoroethane
Concen: 13.144 ug/l
RT: 4.134 min Scan# 3
Delta R.T. -0.006 min
Lab File: VN074454.D
Acq: 15 Sep 2022 11:00

Tgt Ion:101 Resp: 5554

Ion	Ratio	Lower	Upper
101	100		
85	48.6	34.7	52.1
151	64.8	63.0	94.4



Instrument :
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ClientSampleId :
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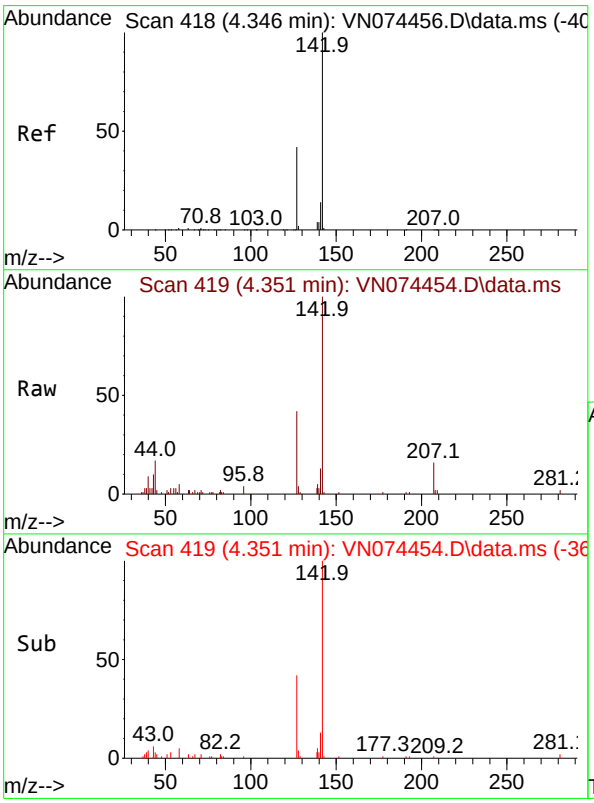
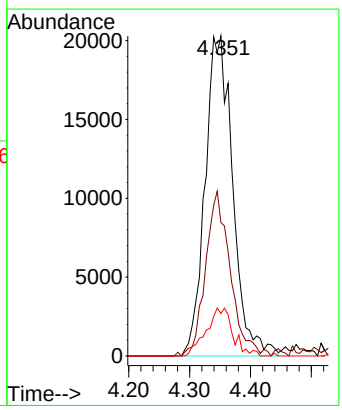
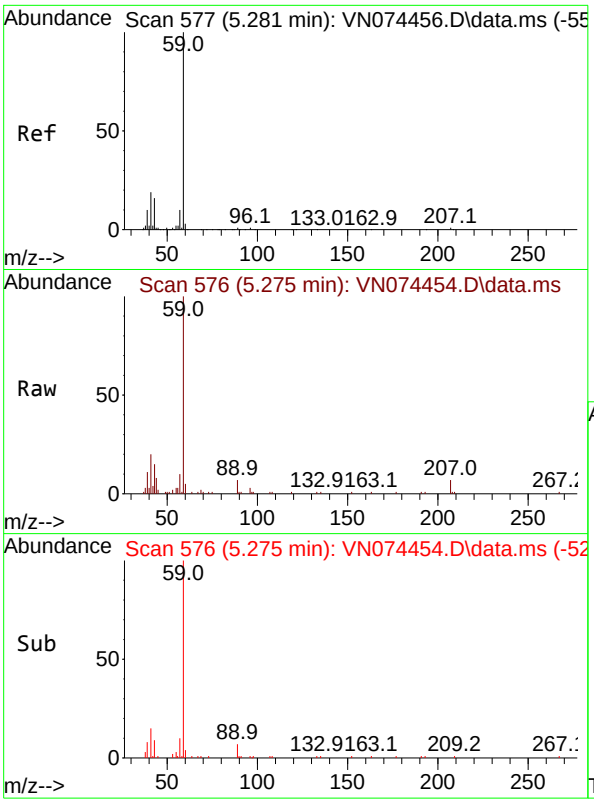


#10
Methyl Iodide
Concen: 12.851 ug/l
RT: 4.351 min Scan# 419
Delta R.T. 0.006 min
Lab File: VN074454.D
Acq: 15 Sep 2022 11:00

Tgt Ion:142 Resp: 64151

Ion	Ratio	Lower	Upper
142	100		
127	45.9	31.3	46.9
141	14.4	11.2	16.8

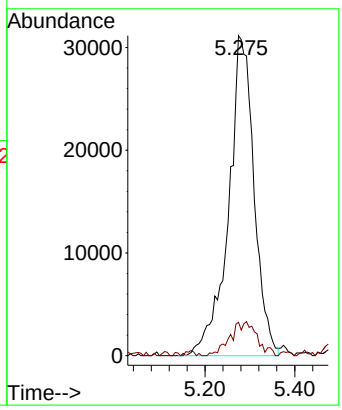




#11
Tert butyl alcohol
Concen: 78.413 ug/l
RT: 5.275 min Scan# 5
Delta R.T. -0.006 min
Lab File: VN074454.D
Acq: 15 Sep 2022 11:00

Tgt Ion: 59 Resp: 12347

Ion	Ratio	Lower	Upper
59	100		
57	5.2	8.3	12.5#



Instrument :
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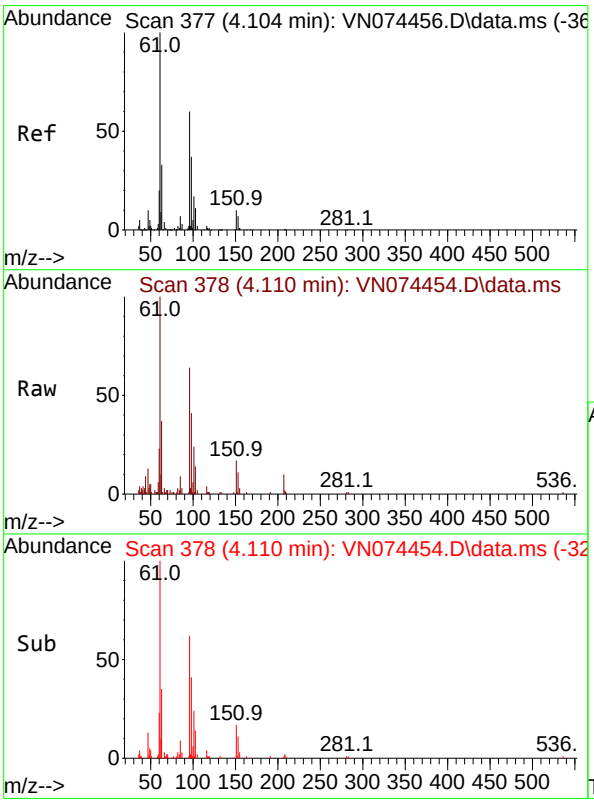
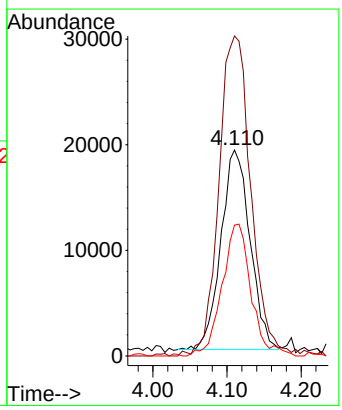
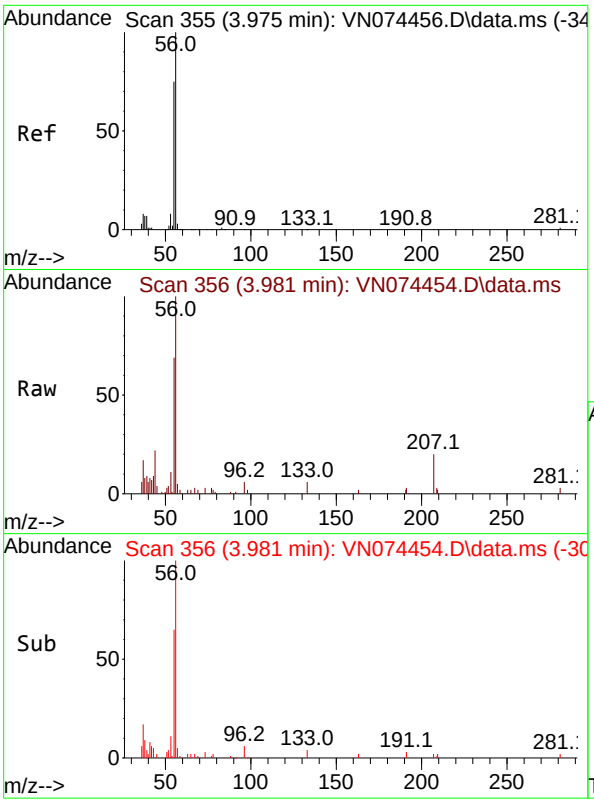


#12
1,1-Dichloroethene
Concen: 12.253 ug/l
RT: 4.110 min Scan# 378
Delta R.T. 0.006 min
Lab File: VN074454.D
Acq: 15 Sep 2022 11:00

Tgt Ion: 96 Resp: 51525

Ion	Ratio	Lower	Upper
96	100		
61	160.4	127.6	191.4
98	64.8	51.2	76.8

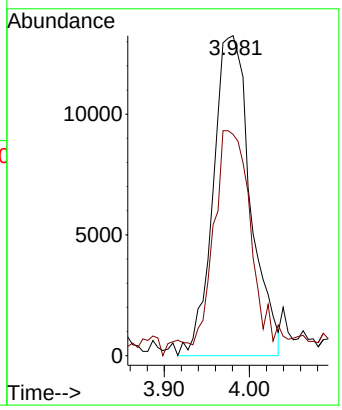




#13
Acrolein
Concen: 63.952 ug/l
RT: 3.981 min Scan# 3
Delta R.T. 0.006 min
Lab File: VN074454.D
Acq: 15 Sep 2022 11:00

Tgt Ion: 56 Resp: 4026

Ion	Ratio	Lower	Upper
56	100		
55	64.3	54.8	82.2



Instrument :
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ClientSampleId :
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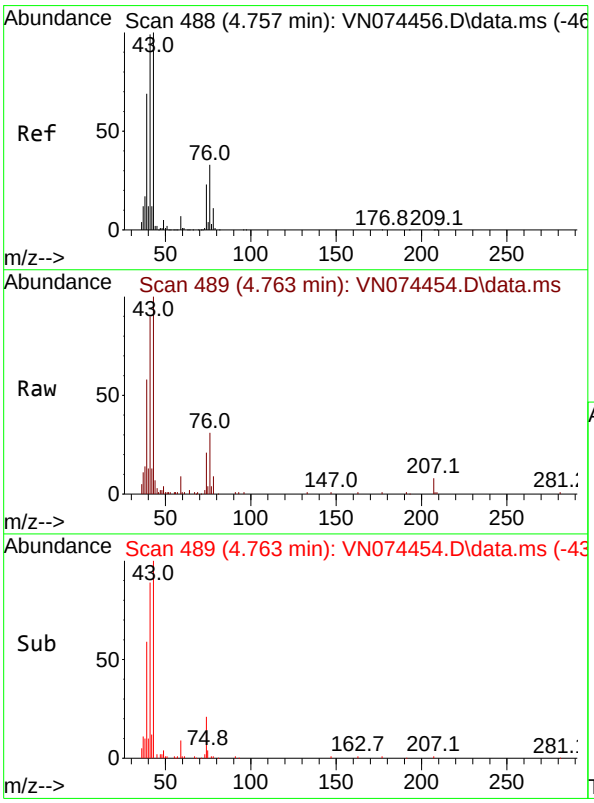
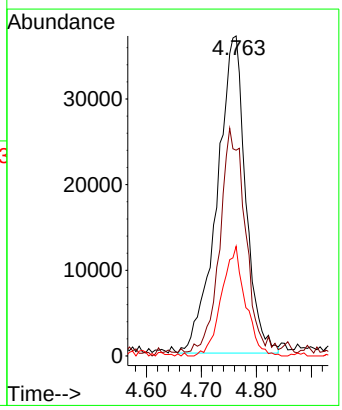
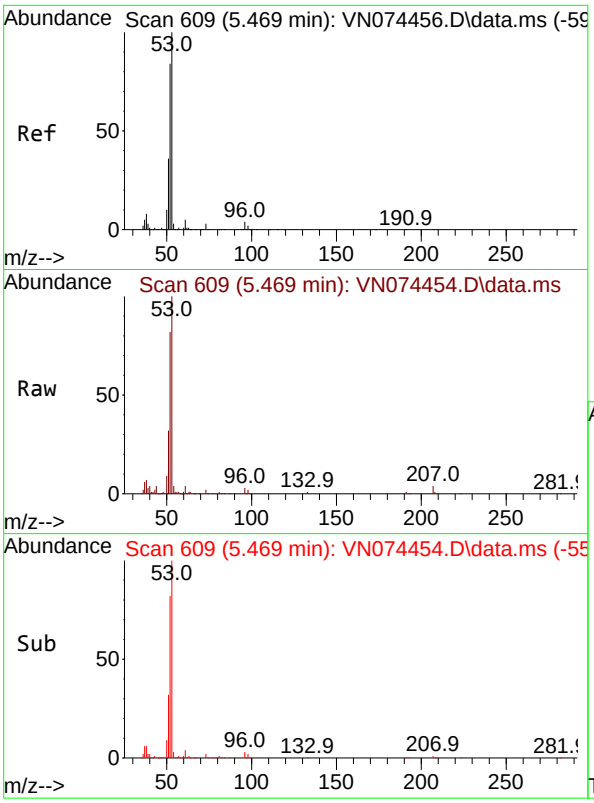


#14
Allyl chloride
Concen: 14.600 ug/l
RT: 4.763 min Scan# 489
Delta R.T. 0.006 min
Lab File: VN074454.D
Acq: 15 Sep 2022 11:00

Tgt Ion: 41 Resp: 134442

Ion	Ratio	Lower	Upper
41	100		
39	61.5	53.2	79.8
76	28.6	29.9	44.9#

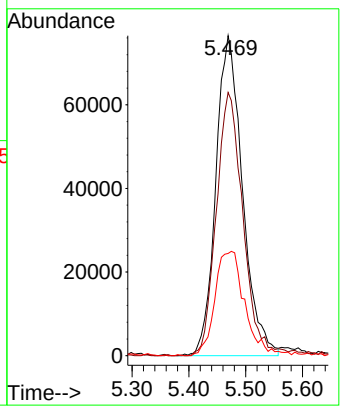




#15
Acrylonitrile
Concen: 68.654 ug/l
RT: 5.469 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN074454.D
Acq: 15 Sep 2022 11:00

Tgt Ion: 53 Resp: 24960

Ion	Ratio	Lower	Upper
53	100		
52	82.1	66.4	99.6
51	36.4	28.5	42.7



Instrument :
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ClientSampleId :
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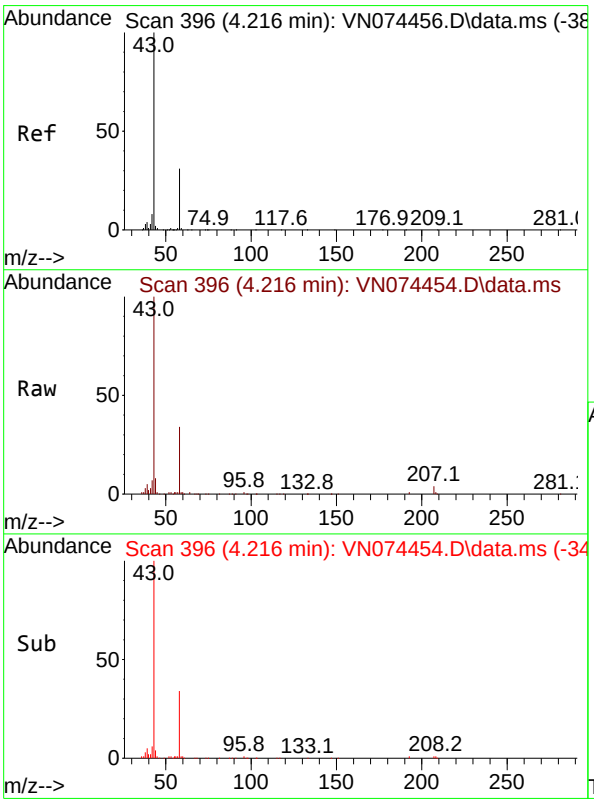
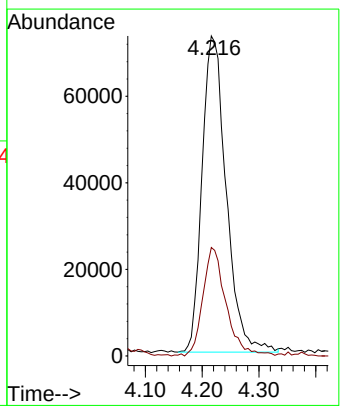
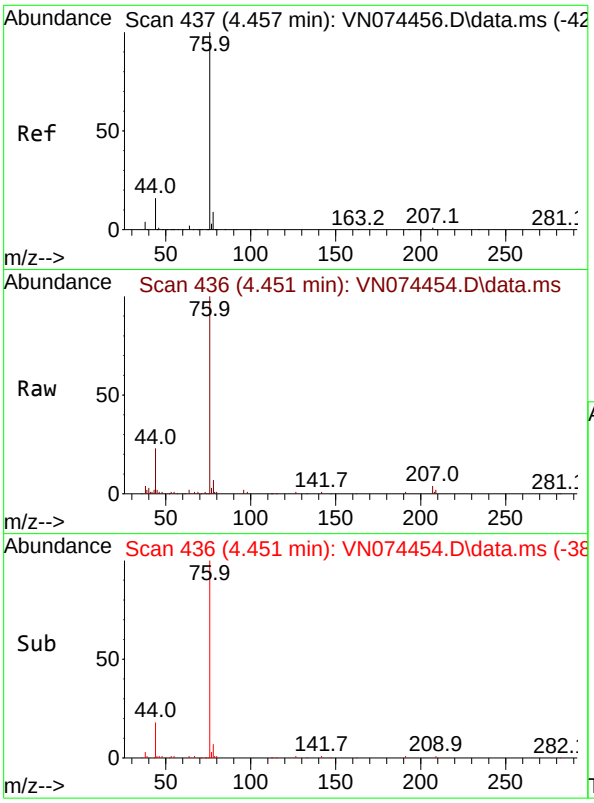


#16
Acetone
Concen: 65.377 ug/l
RT: 4.216 min Scan# 396
Delta R.T. -0.000 min
Lab File: VN074454.D
Acq: 15 Sep 2022 11:00

Tgt Ion: 43 Resp: 215644

Ion	Ratio	Lower	Upper
43	100		
58	34.1	26.0	39.0

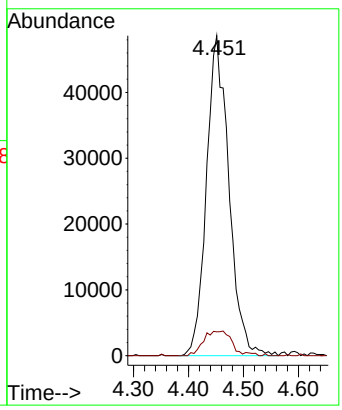




#17
Carbon Disulfide
Concen: 12.633 ug/l
RT: 4.451 min Scan# 4
Delta R.T. -0.006 min
Lab File: VN074454.D
Acq: 15 Sep 2022 11:00

Tgt Ion: 76 Resp: 13787

Ion	Ratio	Lower	Upper
76	100		
78	7.5	7.2	10.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

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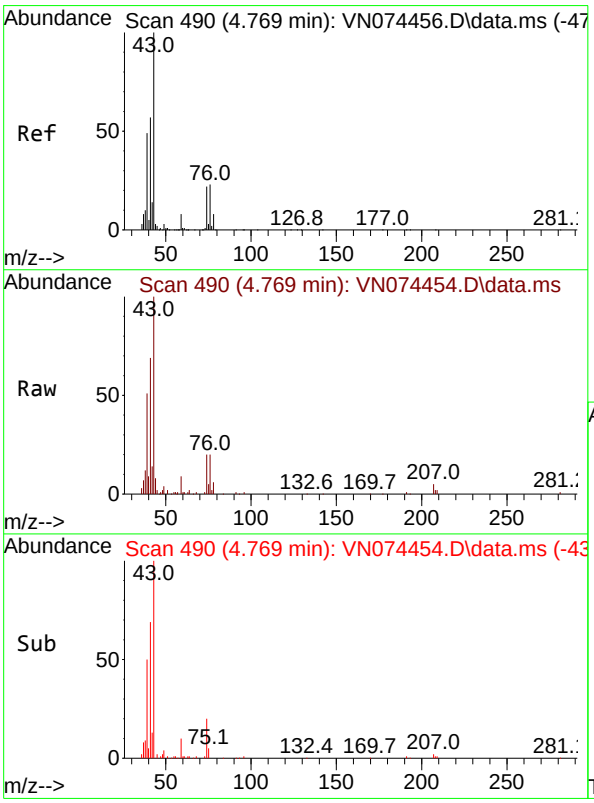
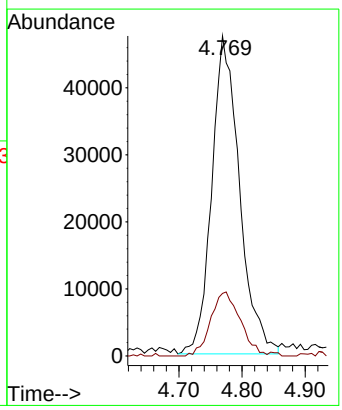
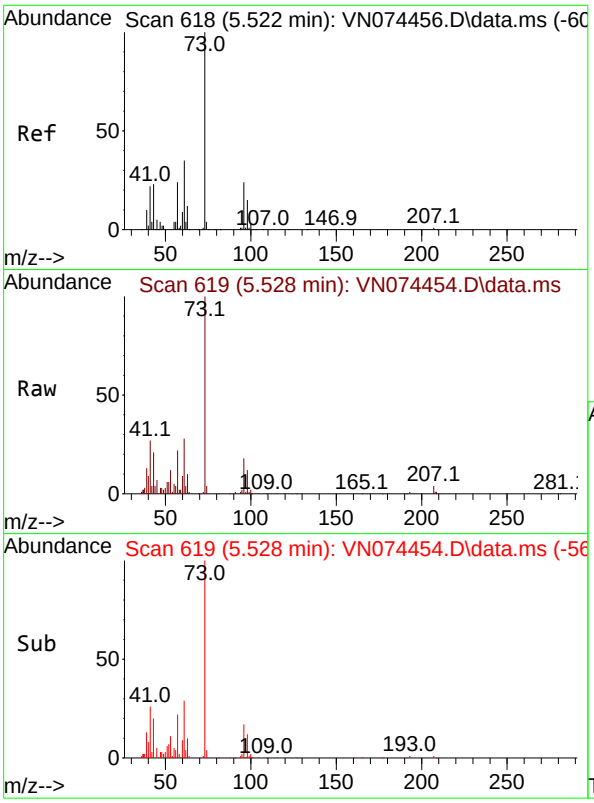


#18
Methyl Acetate
Concen: 15.887 ug/l
RT: 4.769 min Scan# 490
Delta R.T. -0.000 min
Lab File: VN074454.D
Acq: 15 Sep 2022 11:00

Tgt Ion: 43 Resp: 144860

Ion	Ratio	Lower	Upper
43	100		
74	21.4	21.6	32.4#

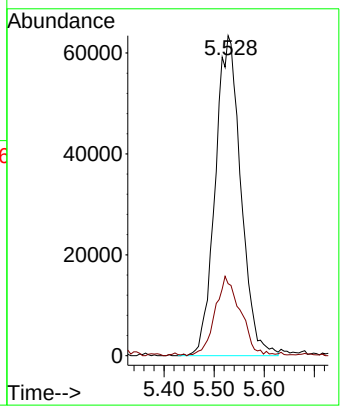




#19
Methyl tert-butyl Ether
Concen: 13.966 ug/l
RT: 5.528 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN074454.D
Acq: 15 Sep 2022 11:00

Tgt Ion: 73 Resp: 22534

Ion	Ratio	Lower	Upper
73	100		
57	22.2	17.6	26.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

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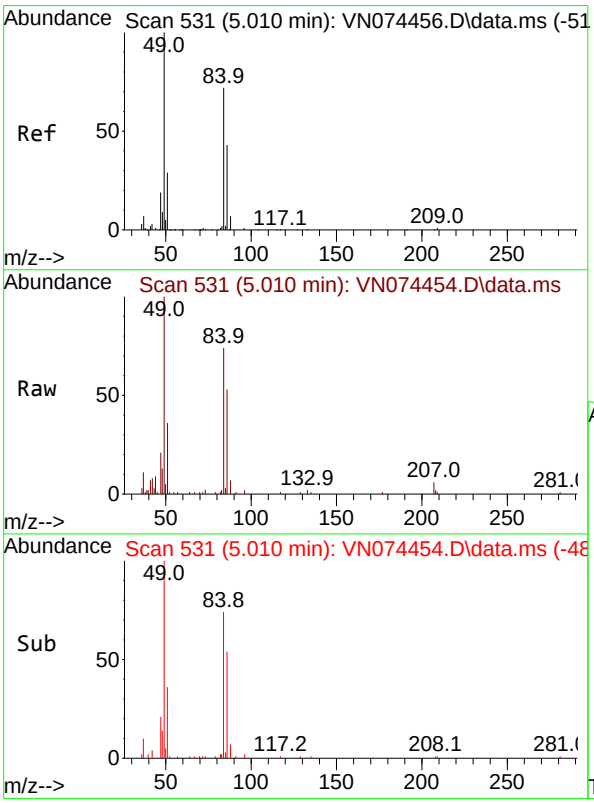
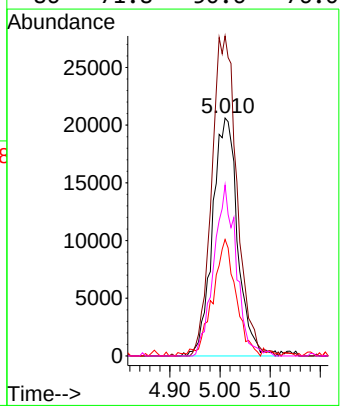
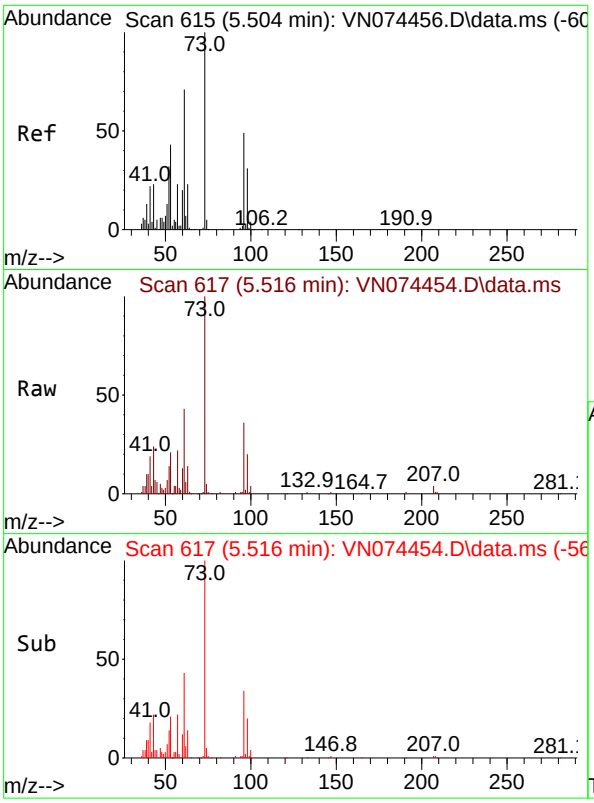


#20
Methylene Chloride
Concen: 12.932 ug/l
RT: 5.010 min Scan# 531
Delta R.T. -0.000 min
Lab File: VN074454.D
Acq: 15 Sep 2022 11:00

Tgt Ion: 84 Resp: 71792

Ion	Ratio	Lower	Upper
84	100		
49	134.5	88.3	132.5#
51	48.1	28.2	42.2#
86	71.8	50.6	76.0

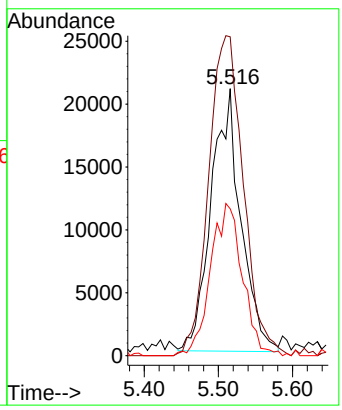




#21
trans-1,2-Dichloroethene
Concen: 12.609 ug/l
RT: 5.516 min Scan# 6
Delta R.T. 0.012 min
Lab File: VN074454.D
Acq: 15 Sep 2022 11:00

Tgt Ion: 96 Resp: 5822

Ion	Ratio	Lower	Upper
96	100		
61	121.5	105.8	158.8
98	55.2	50.3	75.5



Instrument :
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ClientSampleId :
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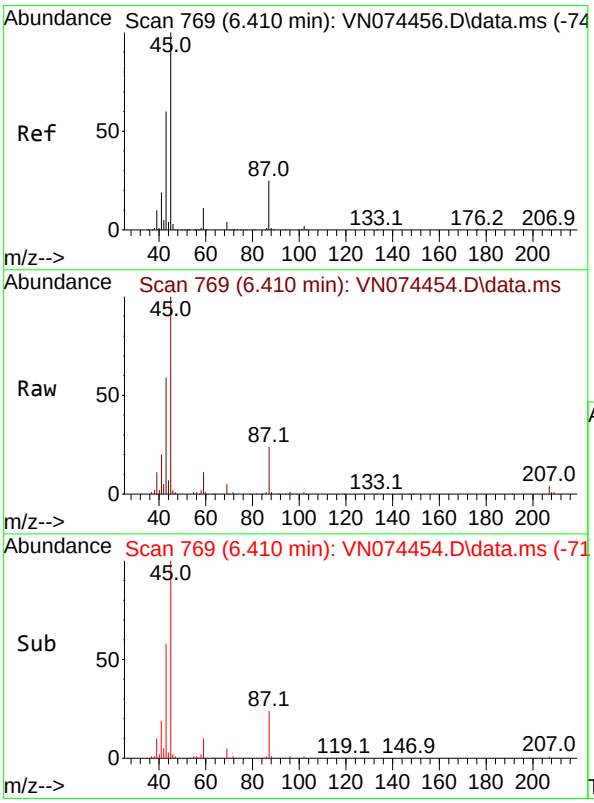
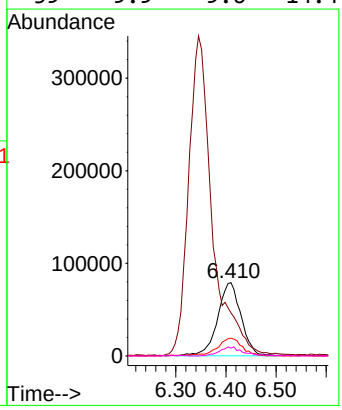
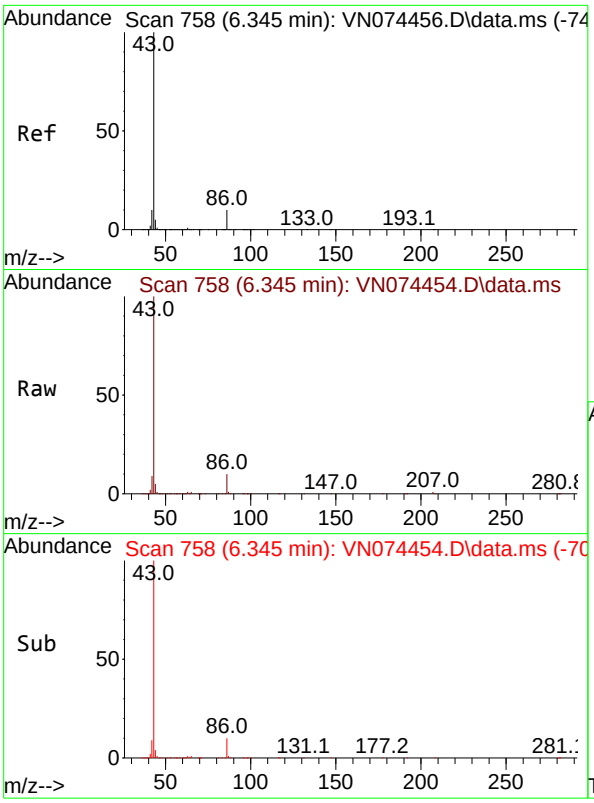


#22
Diisopropyl ether
Concen: 14.645 ug/l
RT: 6.410 min Scan# 769
Delta R.T. -0.000 min
Lab File: VN074454.D
Acq: 15 Sep 2022 11:00

Tgt Ion: 45 Resp: 255587

Ion	Ratio	Lower	Upper
45	100		
43	55.8	46.6	70.0
87	24.1	24.3	36.5#
59	9.9	9.6	14.4





#23
Vinyl Acetate
Concen: 70.332 ug/l
RT: 6.345 min Scan# 7
Delta R.T. -0.000 min
Lab File: VN074454.D
Acq: 15 Sep 2022 11:00

Tgt Ion: 43 Resp: 112770

Ion	Ratio	Lower	Upper
43	100		
86	10.0	10.0	15.0

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

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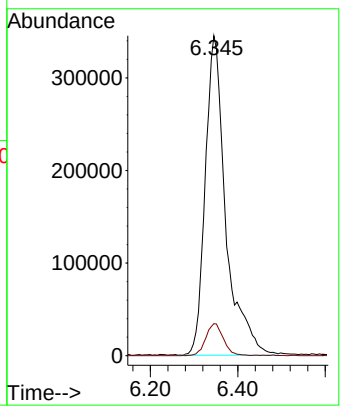
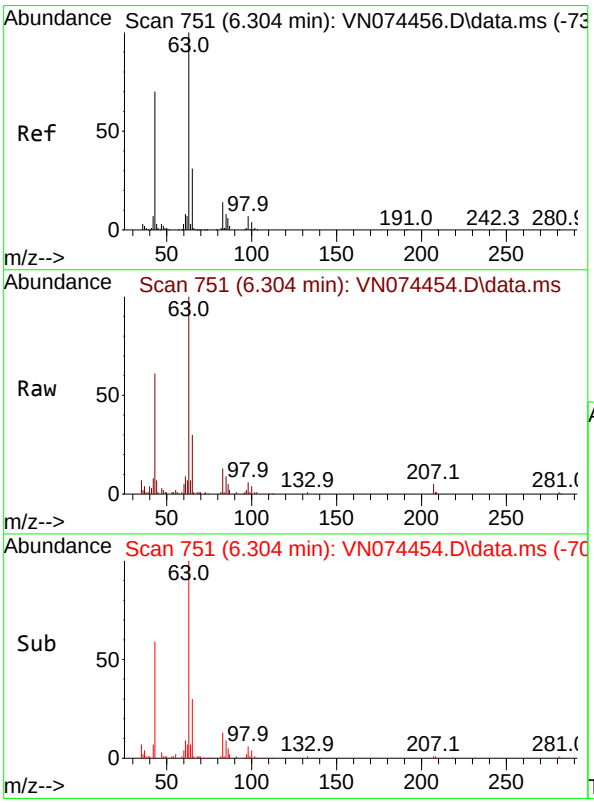
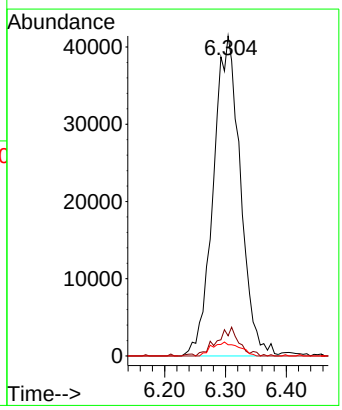


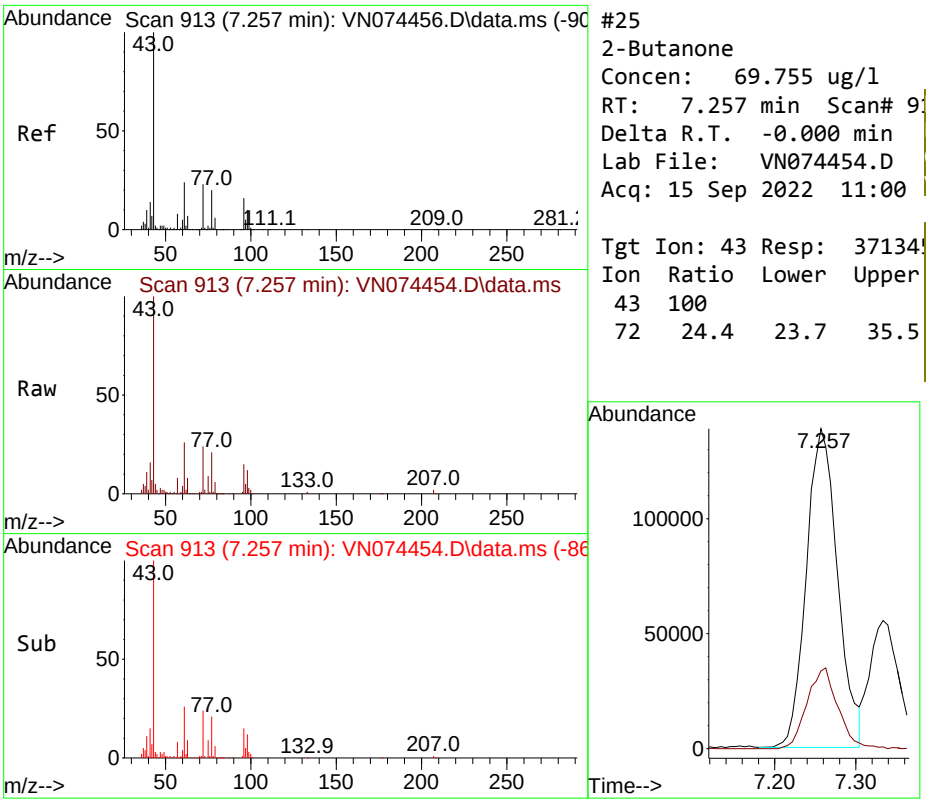


#24
1,1-Dichloroethane
Concen: 14.162 ug/l
RT: 6.304 min Scan# 751
Delta R.T. -0.000 min
Lab File: VN074454.D
Acq: 15 Sep 2022 11:00

Tgt Ion: 63 Resp: 127700

Ion	Ratio	Lower	Upper
63	100		
98	6.3	3.5	10.4
100	3.5	2.3	6.8





#25
2-Butanone
Concen: 69.755 ug/l
RT: 7.257 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN074454.D
Acq: 15 Sep 2022 11:00

Tgt Ion: 43 Resp: 37134

Ion	Ratio	Lower	Upper
43	100		
72	24.4	23.7	35.5

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

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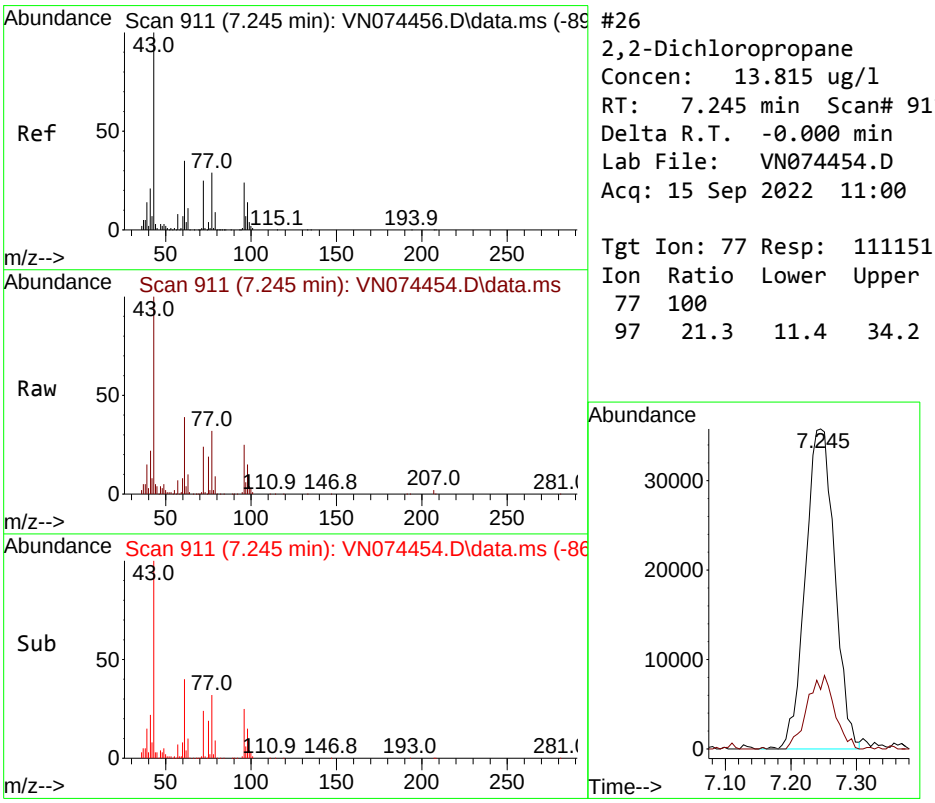
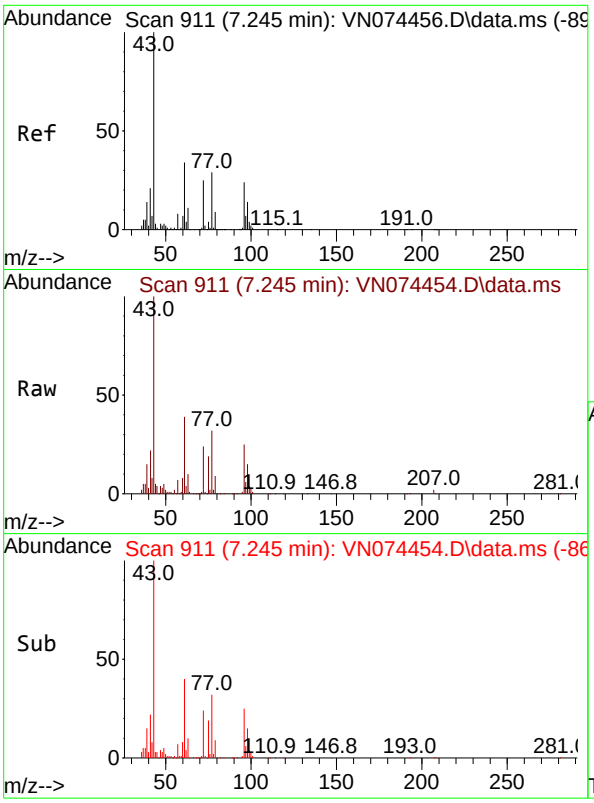


#26
2,2-Dichloropropane
Concen: 13.815 ug/l
RT: 7.245 min Scan# 911
Delta R.T. -0.000 min
Lab File: VN074454.D
Acq: 15 Sep 2022 11:00

Tgt Ion: 77 Resp: 111151

Ion	Ratio	Lower	Upper
77	100		
97	21.3	11.4	34.2



#27
cis-1,2-Dichloroethene
Concen: 13.131 ug/l
RT: 7.245 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN074454.D
Acq: 15 Sep 2022 11:00

Tgt Ion: 96 Resp: 7300

Ion	Ratio	Lower	Upper
96	100		
61	163.9	0.0	280.6
98	67.5	0.0	128.4

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

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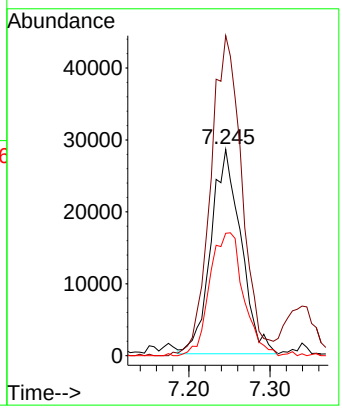
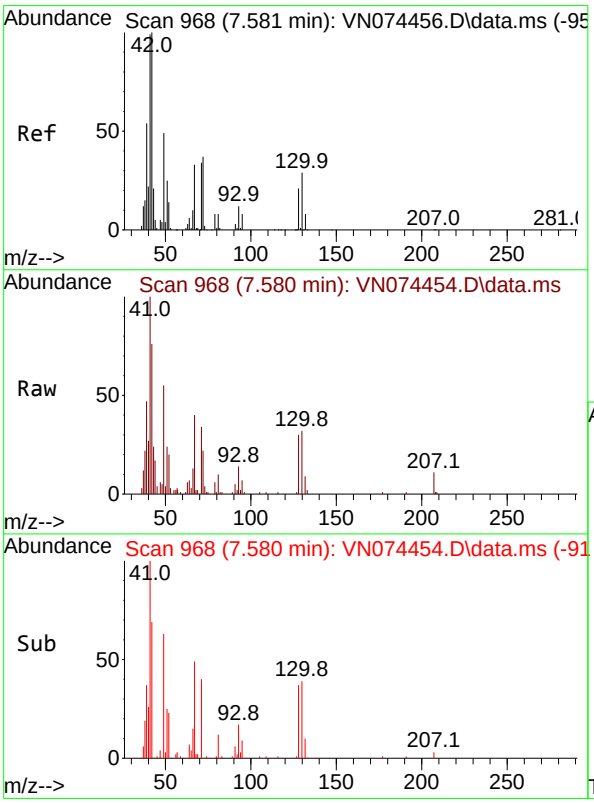
Reviewed By :John Carlone 09/16/2022
Supervised By :Mahesh Dadoda 09/16/2022

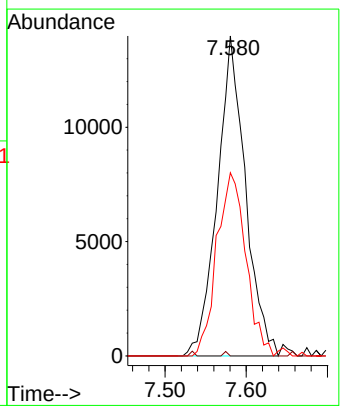


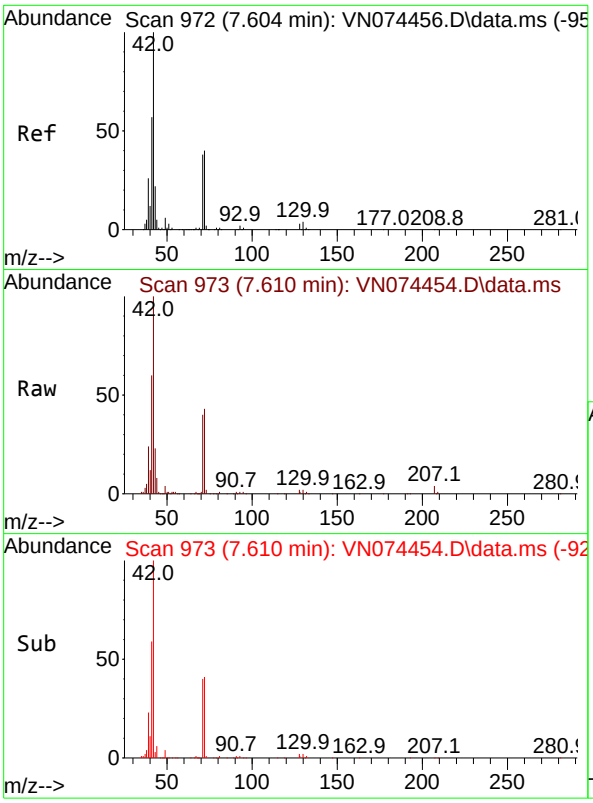


#28
Bromochloromethane
Concen: 9.669 ug/l
RT: 7.580 min Scan# 968
Delta R.T. -0.000 min
Lab File: VN074454.D
Acq: 15 Sep 2022 11:00

Tgt Ion: 49 Resp: 33675

Ion	Ratio	Lower	Upper
49	100		
129	0.2	0.0	4.6
130	59.1	69.7	104.5#

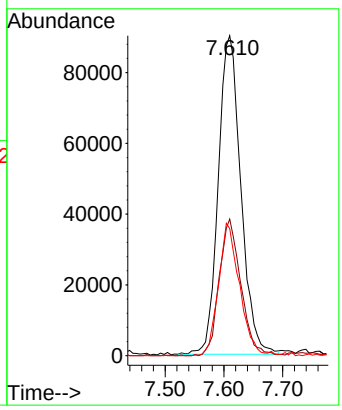




#29
Tetrahydrofuran
Concen: 68.170 ug/l
RT: 7.610 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN074454.D
Acq: 15 Sep 2022 11:00

Tgt Ion: 42 Resp: 24056

Ion	Ratio	Lower	Upper
42	100		
72	41.0	39.7	59.5
71	38.5	36.6	55.0



Instrument :
MSVOA_N
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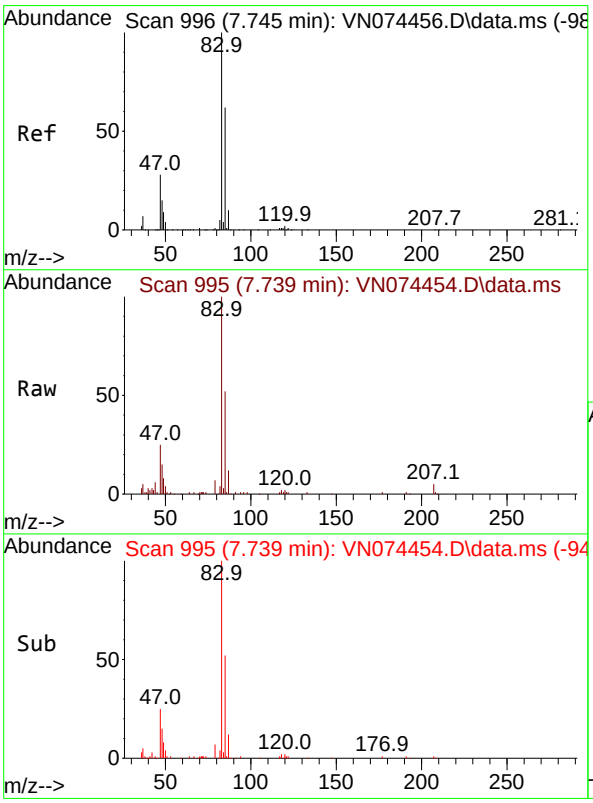
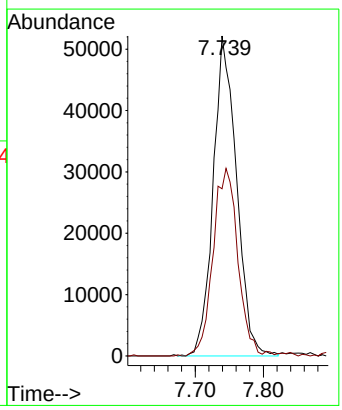
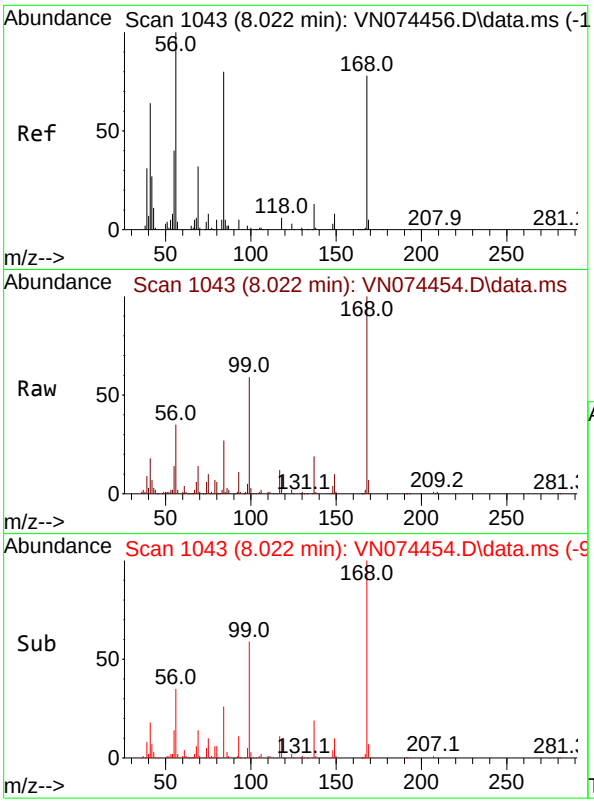


#30
Chloroform
Concen: 13.787 ug/l
RT: 7.739 min Scan# 995
Delta R.T. -0.006 min
Lab File: VN074454.D
Acq: 15 Sep 2022 11:00

Tgt Ion: 83 Resp: 124233

Ion	Ratio	Lower	Upper
83	100		
85	51.9	51.8	77.8

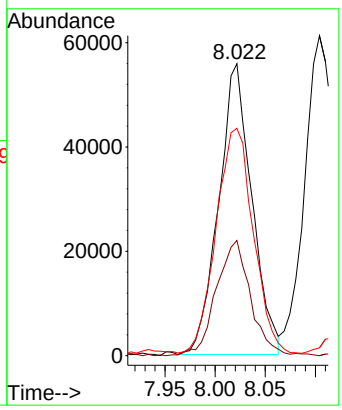




#31
Cyclohexane
Concen: 15.106 ug/l
RT: 8.022 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074454.D
Acq: 15 Sep 2022 11:00

Tgt Ion: 56 Resp: 12842

Ion	Ratio	Lower	Upper
56	100		
69	38.9	27.8	41.8
84	77.2	76.9	115.3



Instrument :
MSVOA_N
ClientSampleId :
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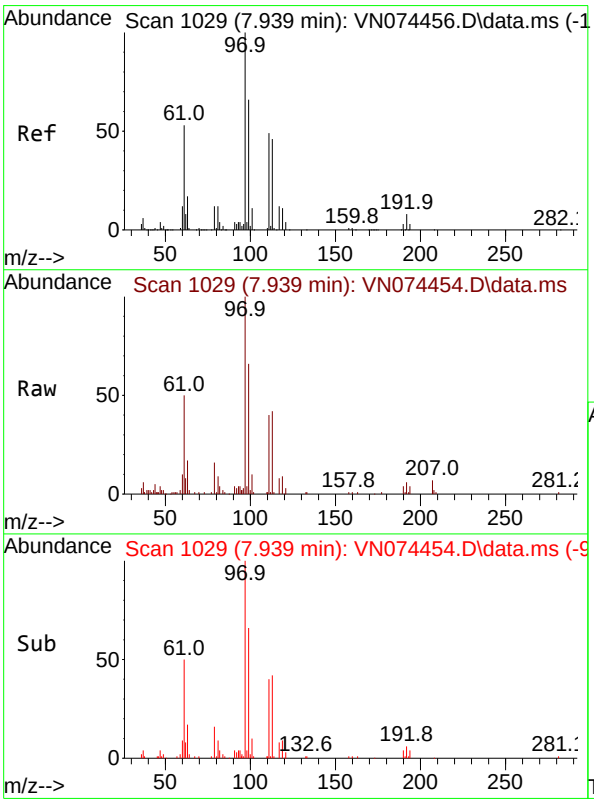
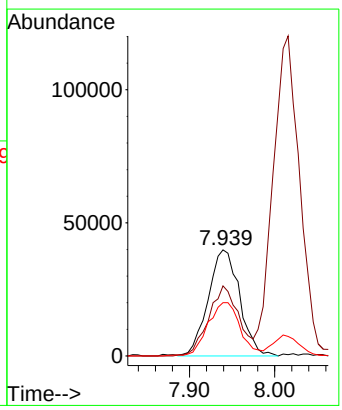
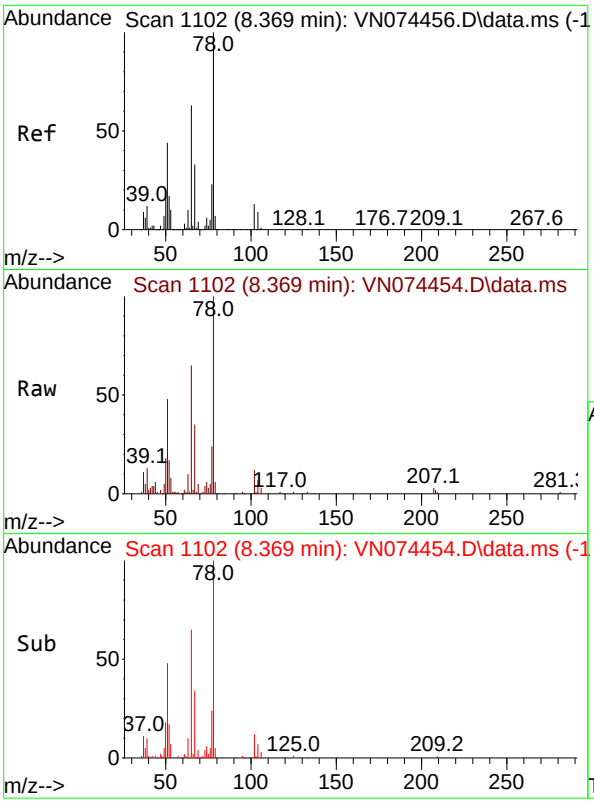


#32
1,1,1-Trichloroethane
Concen: 13.058 ug/l
RT: 7.939 min Scan# 1029
Delta R.T. -0.000 min
Lab File: VN074454.D
Acq: 15 Sep 2022 11:00

Tgt Ion: 97 Resp: 102292

Ion	Ratio	Lower	Upper
97	100		
99	63.8	50.6	76.0
61	51.9	36.0	54.0

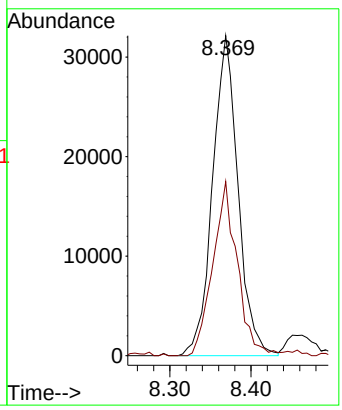




#33
1,2-Dichloroethane-d4
Concen: 11.800 ug/l
RT: 8.369 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074454.D
Acq: 15 Sep 2022 11:00

Tgt Ion: 65 Resp: 7006

Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	104.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

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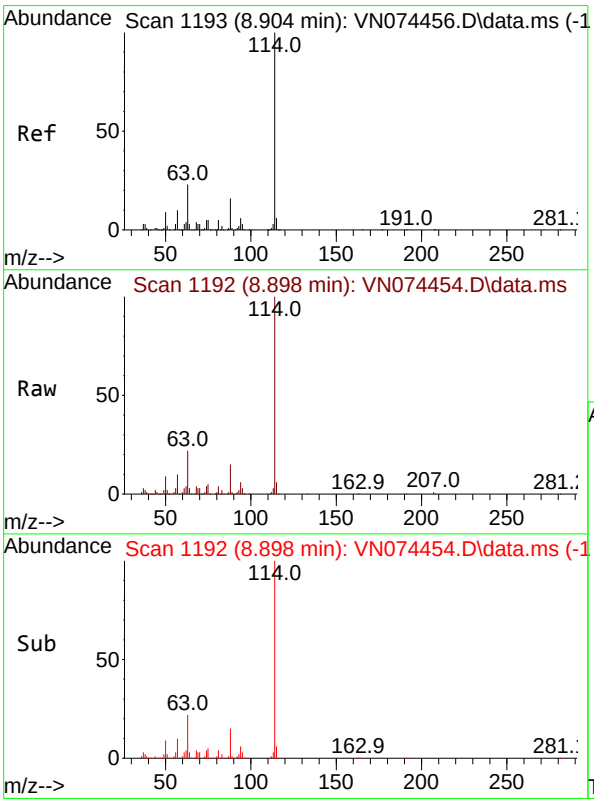
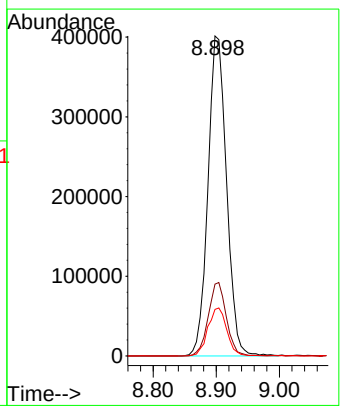
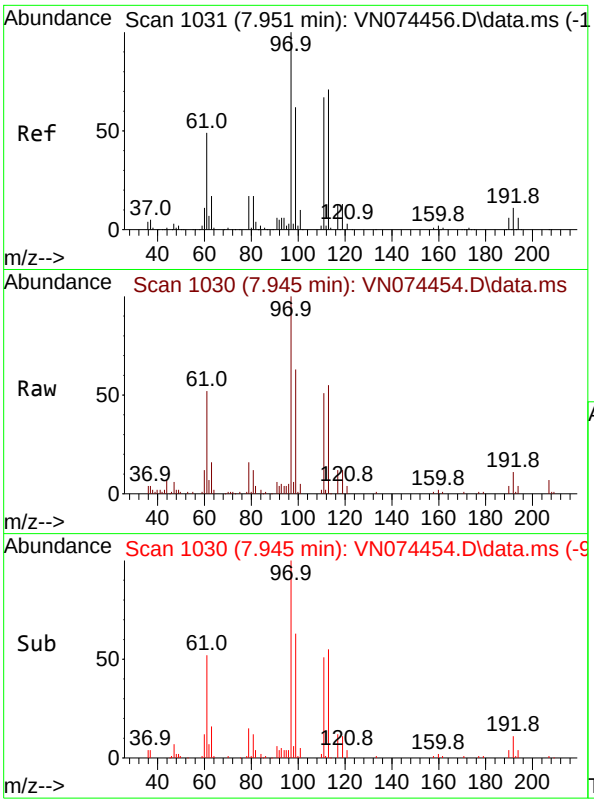


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.898 min Scan# 1192
Delta R.T. -0.006 min
Lab File: VN074454.D
Acq: 15 Sep 2022 11:00

Tgt Ion:114 Resp: 821330

Ion	Ratio	Lower	Upper
114	100		
63	22.4	0.0	40.0
88	14.6	0.0	32.6

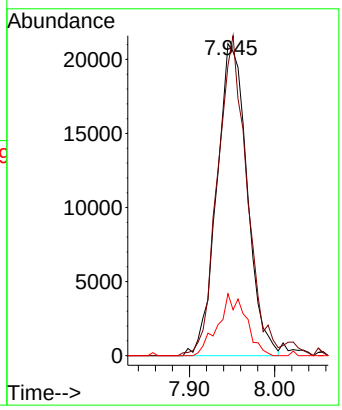




#35
Dibromofluoromethane
Concen: 10.171 ug/l
RT: 7.945 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN074454.D
Acq: 15 Sep 2022 11:00

Tgt Ion:113 Resp: 5208

Ion	Ratio	Lower	Upper
113	100		
111	98.9	81.4	122.0
192	18.2	17.0	25.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

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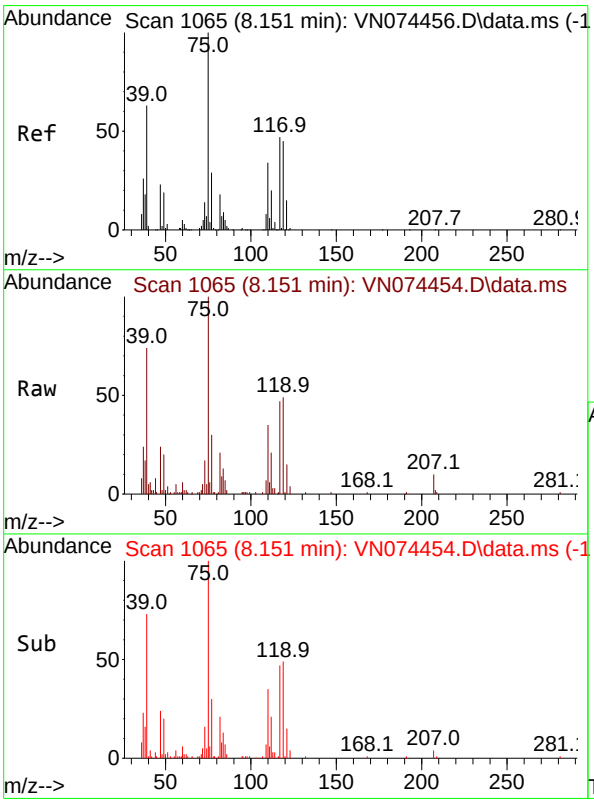
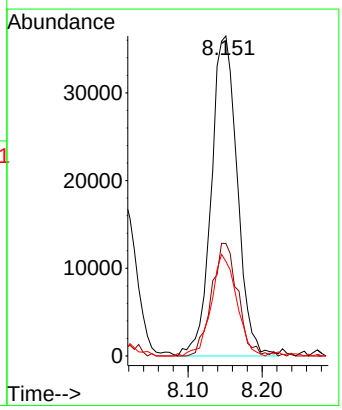
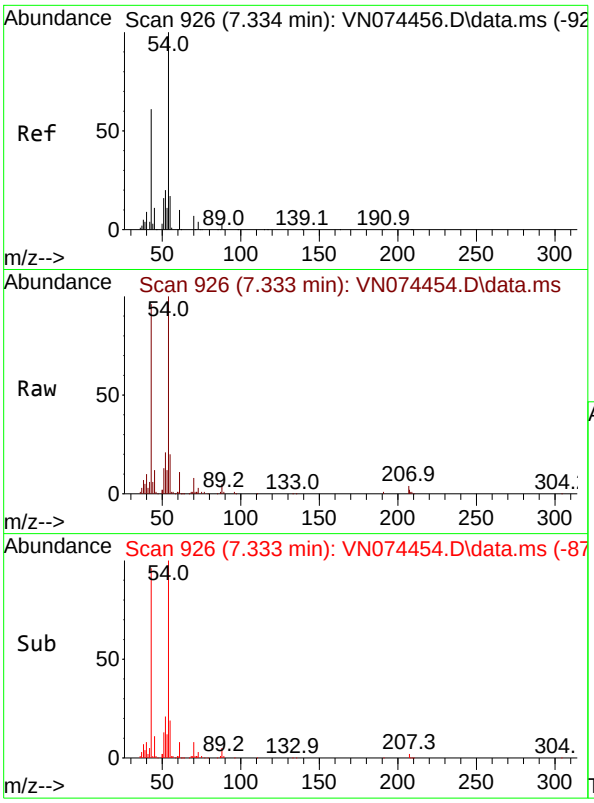


#36
1,1-Dichloropropene
Concen: 12.439 ug/l
RT: 8.151 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VN074454.D
Acq: 15 Sep 2022 11:00

Tgt Ion: 75 Resp: 89048

Ion	Ratio	Lower	Upper
75	100		
110	35.5	18.3	54.8
77	30.9	25.1	37.7

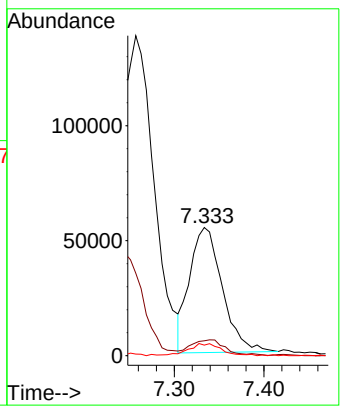




#37
Ethyl Acetate
Concen: 11.967 ug/l
RT: 7.333 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN074454.D
Acq: 15 Sep 2022 11:00

Tgt Ion: 43 Resp: 13795

Ion	Ratio	Lower	Upper
43	100		
61	13.0	11.8	17.6
70	9.8	9.3	13.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

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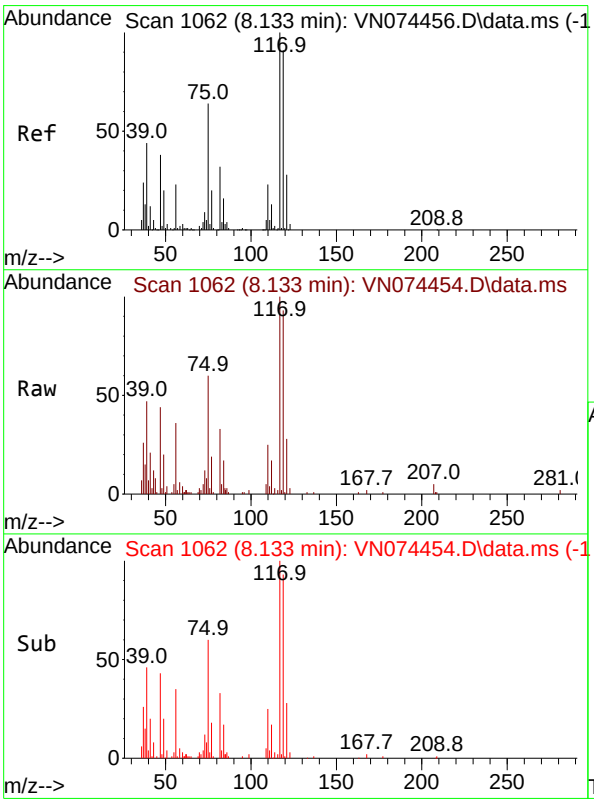
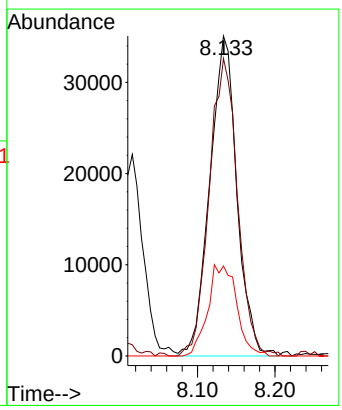
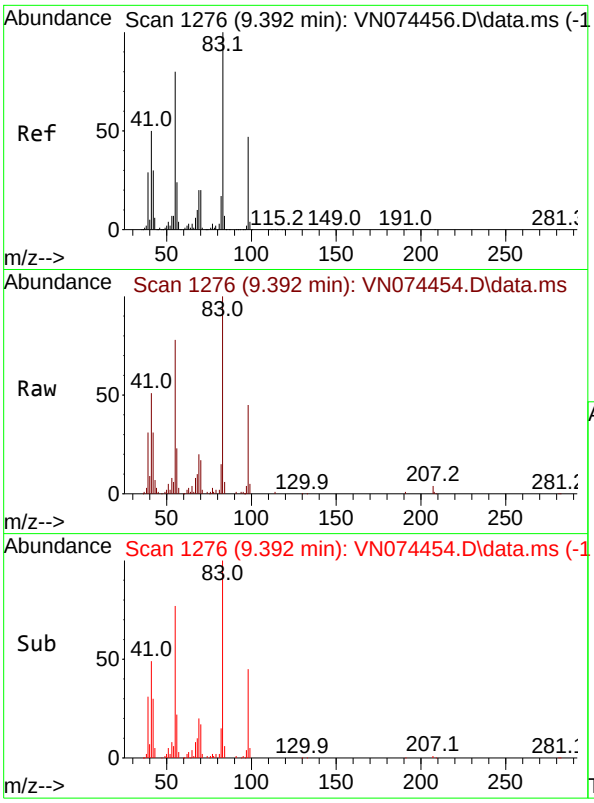


#38
Carbon Tetrachloride
Concen: 11.563 ug/l
RT: 8.133 min Scan# 1062
Delta R.T. -0.000 min
Lab File: VN074454.D
Acq: 15 Sep 2022 11:00

Tgt Ion:117 Resp: 85333

Ion	Ratio	Lower	Upper
117	100		
119	92.9	75.8	113.8
121	28.1	24.6	37.0

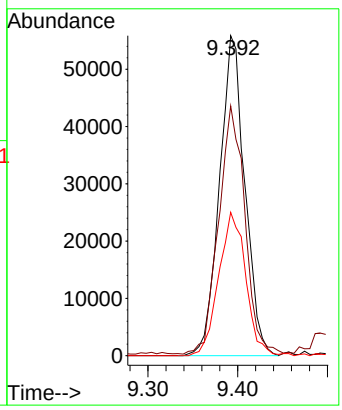




#39
Methylcyclohexane
Concen: 12.638 ug/l
RT: 9.392 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074454.D
Acq: 15 Sep 2022 11:00

Tgt Ion: 83 Resp: 10970

Ion	Ratio	Lower	Upper
83	100		
55	77.4	57.8	86.8
98	44.8	39.4	59.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

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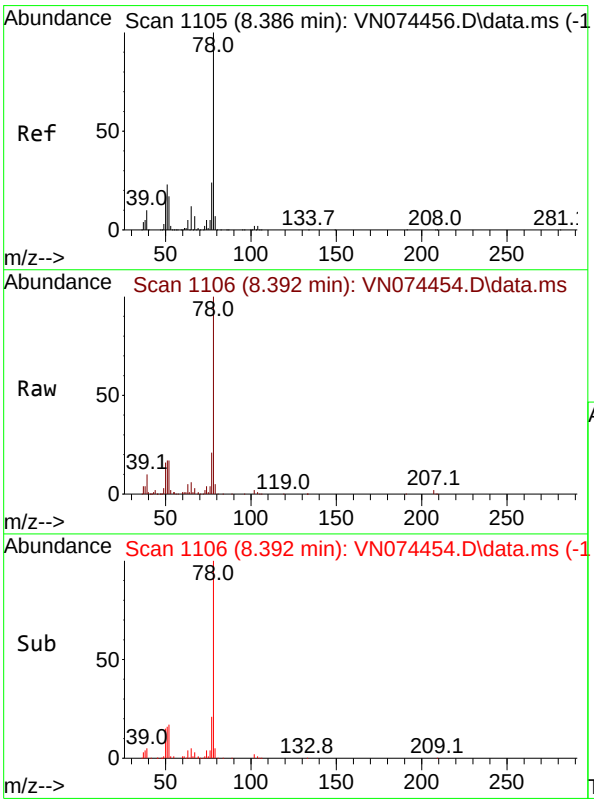
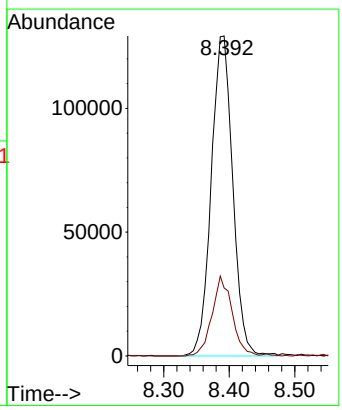
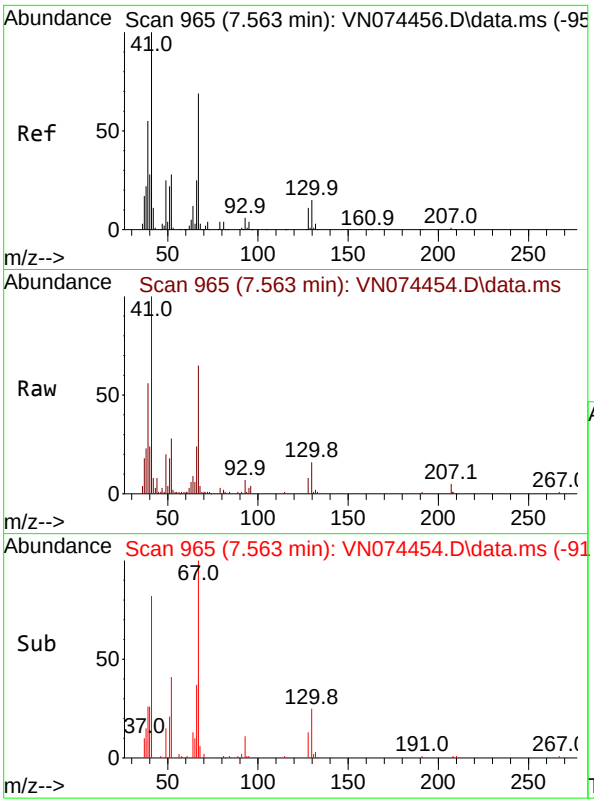


#40
Benzene
Concen: 13.055 ug/l
RT: 8.392 min Scan# 1106
Delta R.T. 0.006 min
Lab File: VN074454.D
Acq: 15 Sep 2022 11:00

Tgt Ion: 78 Resp: 294662

Ion	Ratio	Lower	Upper
78	100		
77	21.3	19.4	29.0

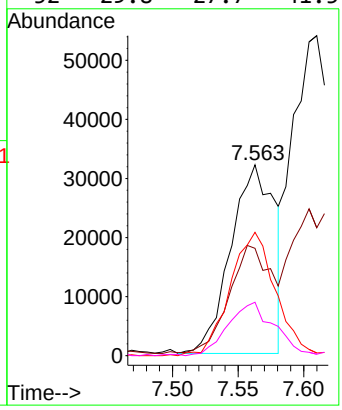




#41
Methacrylonitrile
Concen: 13.628 ug/l
RT: 7.563 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN074454.D
Acq: 15 Sep 2022 11:00

Tgt Ion: 41 Resp: 7430

Ion	Ratio	Lower	Upper
41	100		
39	56.1	48.6	73.0
67	68.0	73.4	110.2
52	29.8	27.7	41.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

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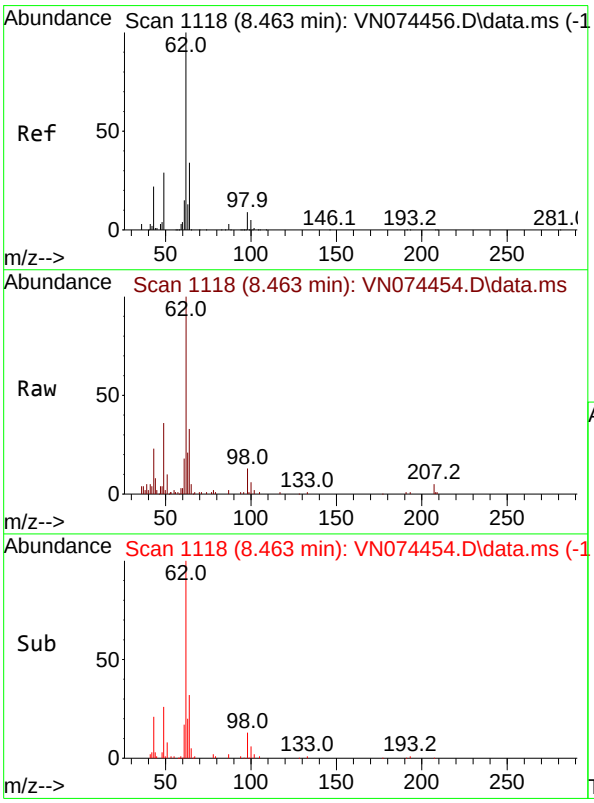
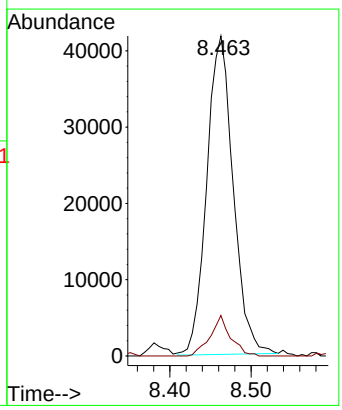
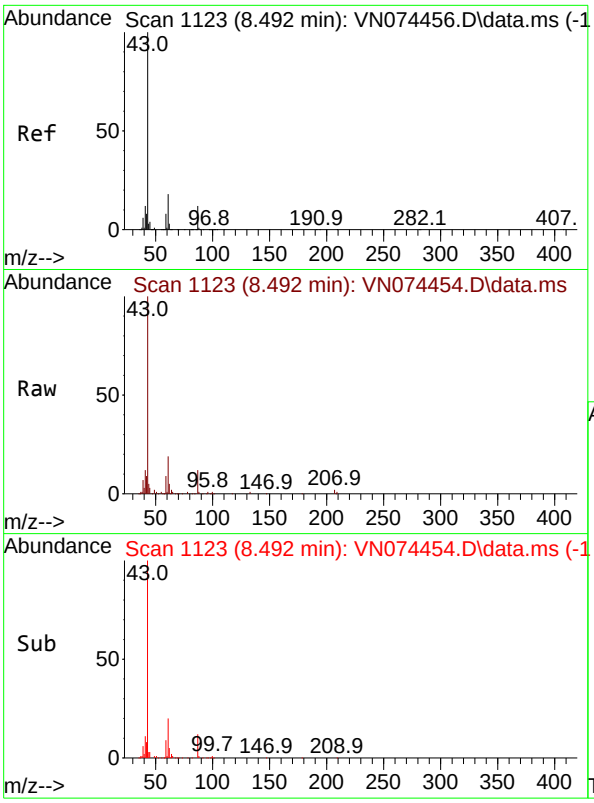


#42
1,2-Dichloroethane
Concen: 11.866 ug/l
RT: 8.463 min Scan# 1118
Delta R.T. -0.000 min
Lab File: VN074454.D
Acq: 15 Sep 2022 11:00

Tgt Ion: 62 Resp: 94391

Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	19.4

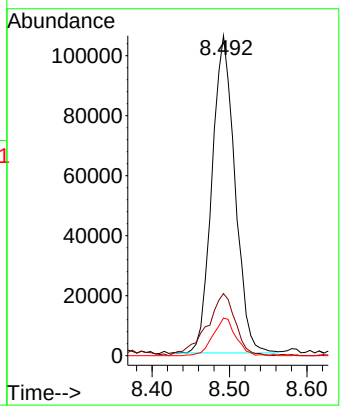




#43
Isopropyl Acetate
Concen: 13.161 ug/l
RT: 8.492 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074454.D
Acq: 15 Sep 2022 11:00

Tgt Ion: 43 Resp: 21857

Ion	Ratio	Lower	Upper
43	100		
61	24.2	21.9	32.9
87	11.7	12.0	18.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

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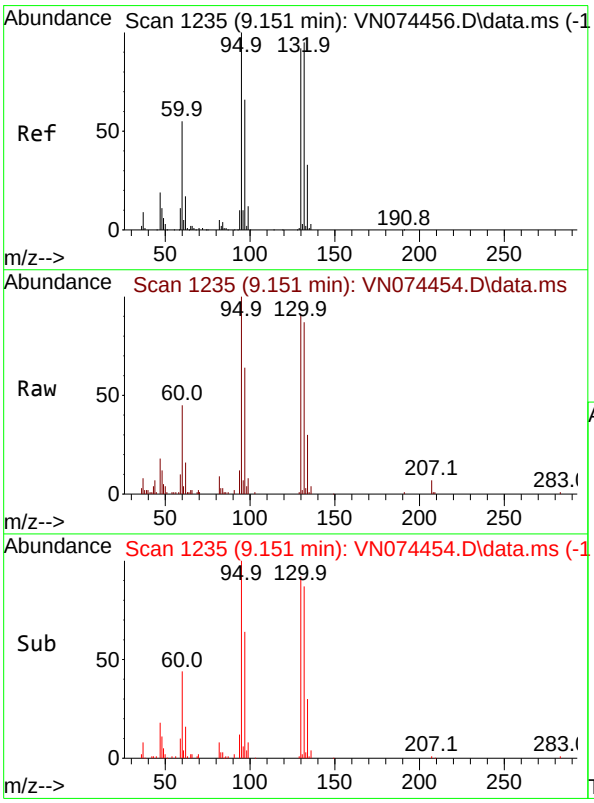
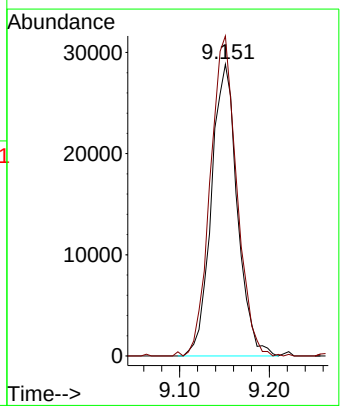
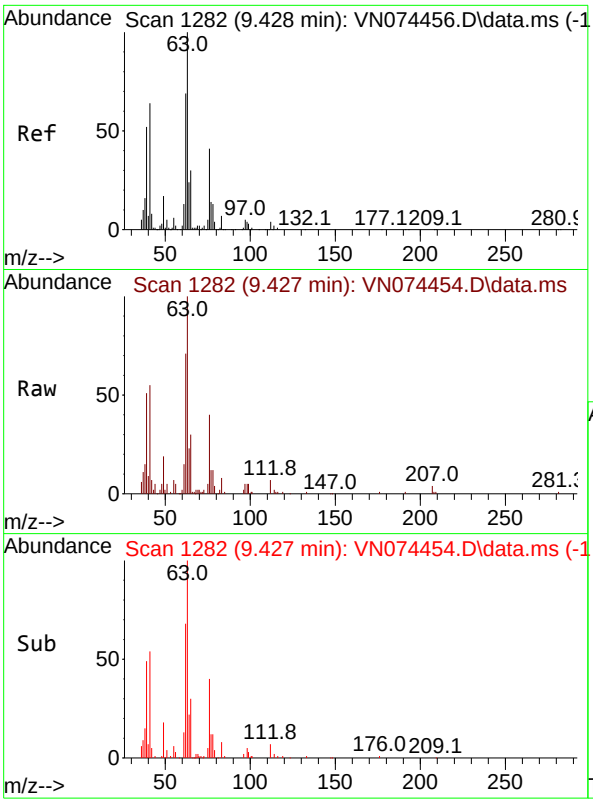


#44
Trichloroethene
Concen: 10.492 ug/l
RT: 9.151 min Scan# 1235
Delta R.T. -0.000 min
Lab File: VN074454.D
Acq: 15 Sep 2022 11:00

Tgt Ion:130 Resp: 57857

Ion	Ratio	Lower	Upper
130	100		
95	109.1	0.0	186.8

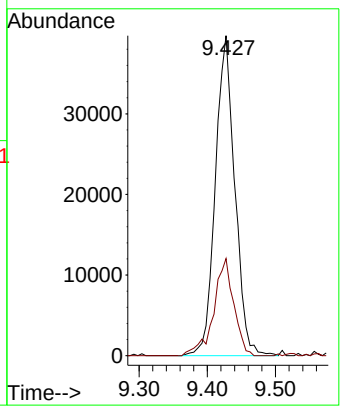




#45
1,2-Dichloropropane
Concen: 13.529 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074454.D
Acq: 15 Sep 2022 11:00

Tgt Ion: 63 Resp: 7906

Ion	Ratio	Lower	Upper
63	100		
65	30.3	24.9	37.3



Instrument :
MSVOA_N
ClientSampleId :
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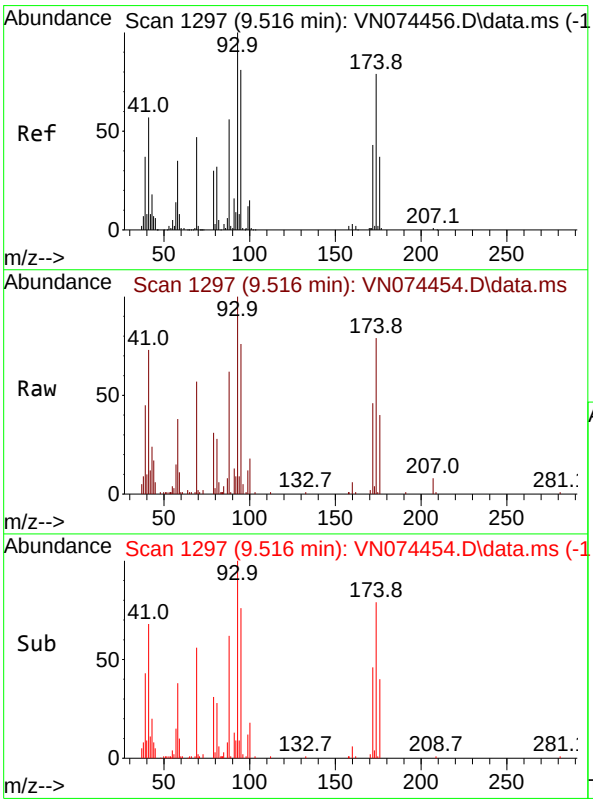
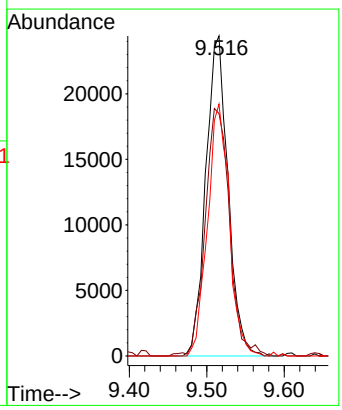
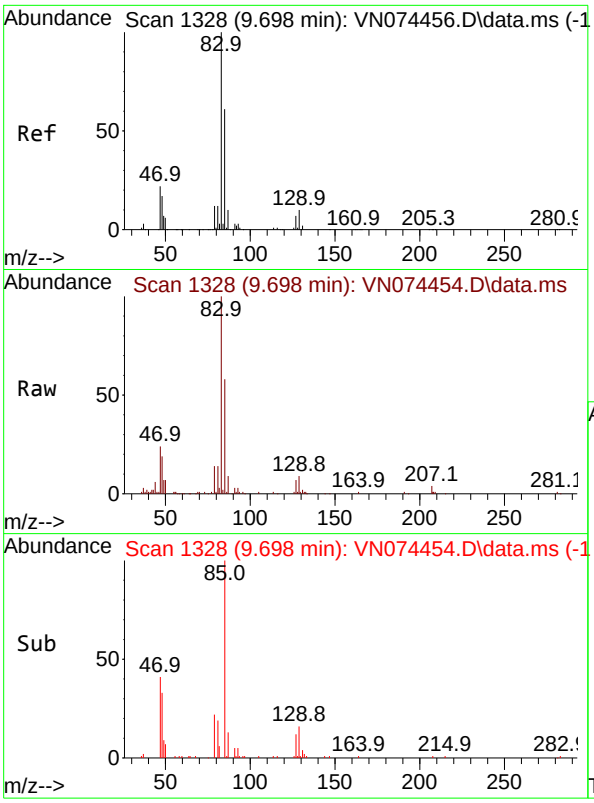


#46
Dibromomethane
Concen: 12.528 ug/l
RT: 9.516 min Scan# 1297
Delta R.T. -0.000 min
Lab File: VN074454.D
Acq: 15 Sep 2022 11:00

Tgt Ion: 93 Resp: 48583

Ion	Ratio	Lower	Upper
93	100		
95	84.7	66.9	100.3
174	77.2	86.6	130.0#

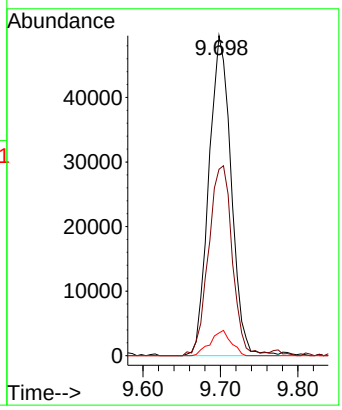




#47
Bromodichloromethane
Concen: 12.854 ug/l
RT: 9.698 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074454.D
Acq: 15 Sep 2022 11:00

Tgt Ion: 83 Resp: 9906

Ion	Ratio	Lower	Upper
83	100		
85	58.2	50.5	75.7
127	7.1	6.8	10.2



Instrument :
MSVOA_N
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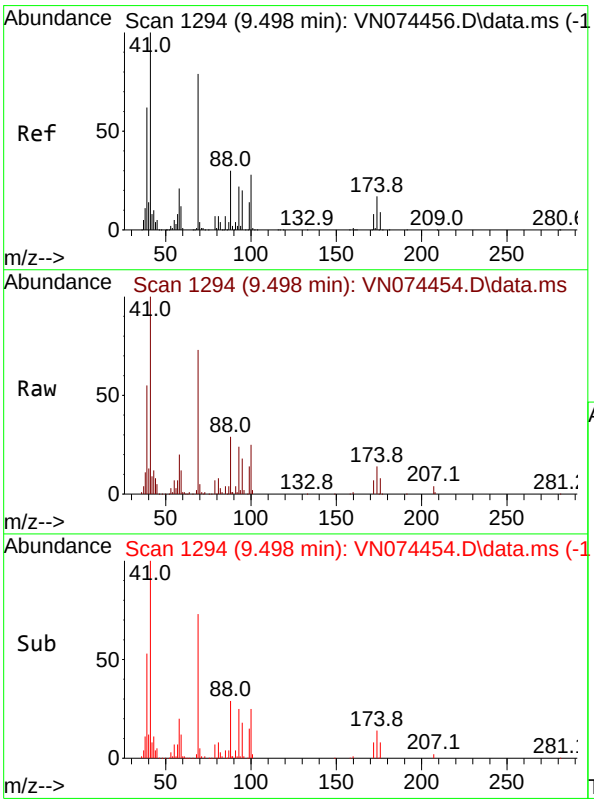
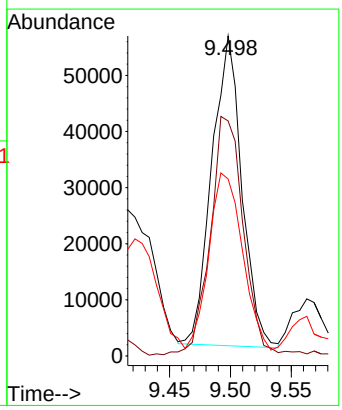
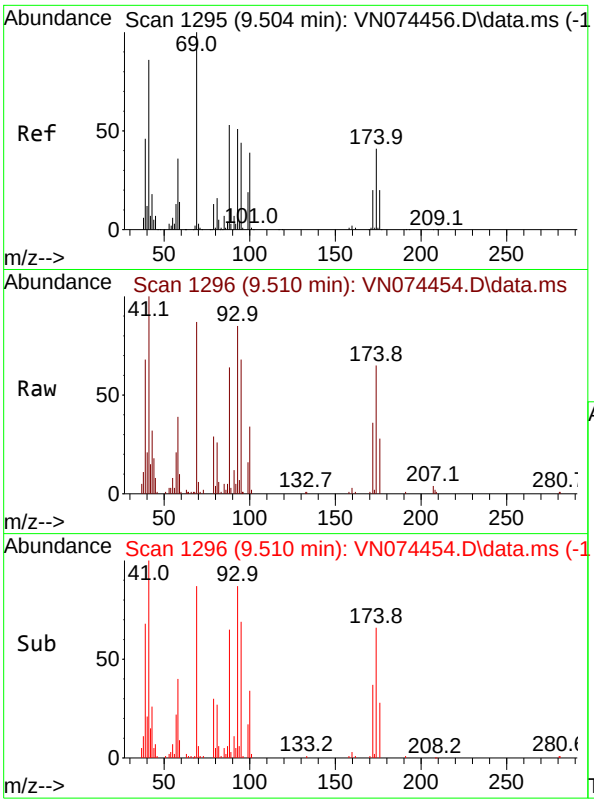


#48
Methyl methacrylate
Concen: 12.618 ug/l
RT: 9.498 min Scan# 1294
Delta R.T. -0.000 min
Lab File: VN074454.D
Acq: 15 Sep 2022 11:00

Tgt Ion: 41 Resp: 94824

Ion	Ratio	Lower	Upper
41	100		
69	84.3	74.7	112.1
39	66.7	45.6	68.4





#49
1,4-Dioxane
Concen: 234.364 ug/l
RT: 9.510 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN074454.D
Acq: 15 Sep 2022 11:00

Tgt Ion: 88 Resp: 3862

Ion	Ratio	Lower	Upper
88	100		
43	39.2	20.2	30.4
58	72.3	54.2	81.4

Instrument :
MSVOA_N
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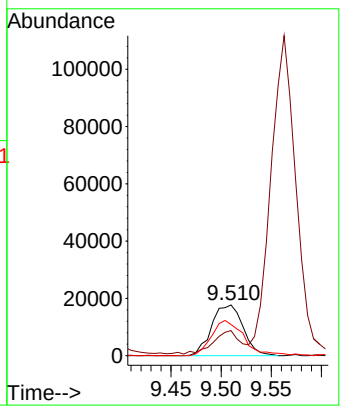
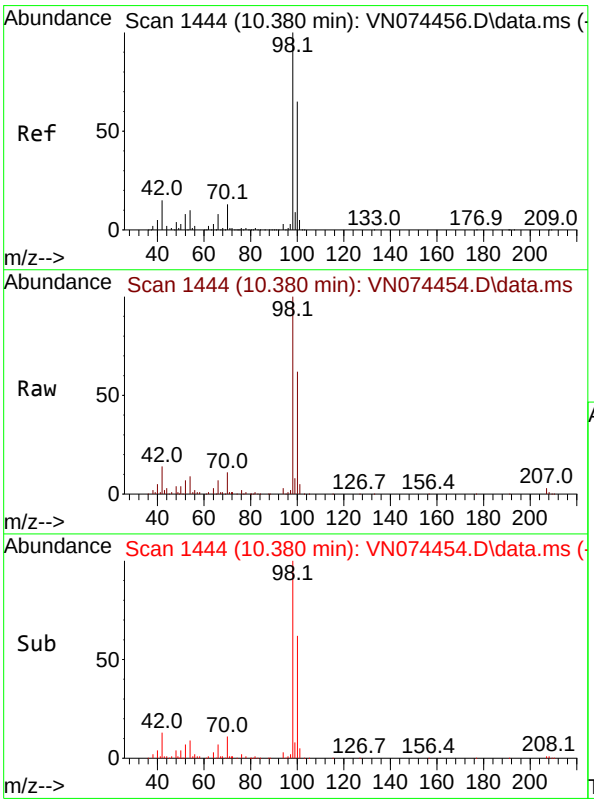
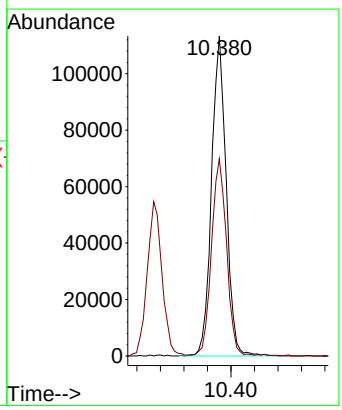


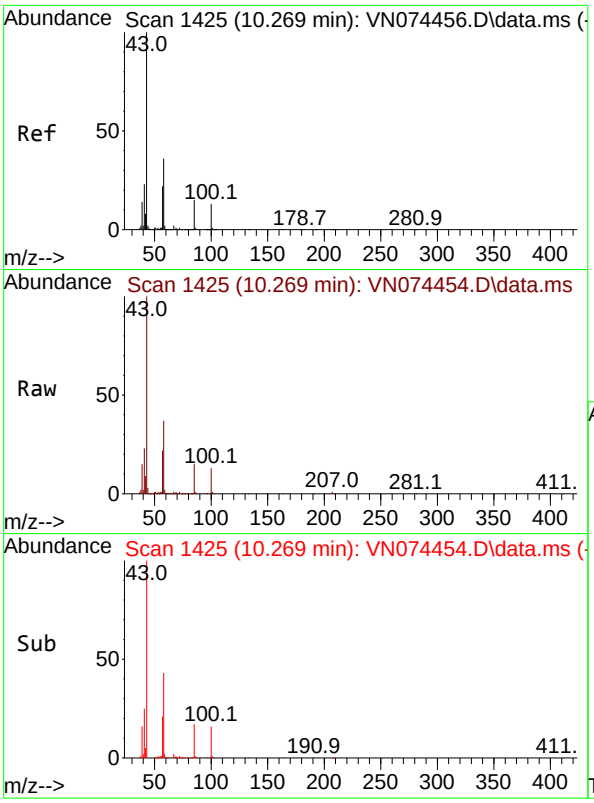


#50
Toluene-d8
Concen: 10.269 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN074454.D
Acq: 15 Sep 2022 11:00

Tgt Ion: 98 Resp: 195524

Ion	Ratio	Lower	Upper
98	100		
100	63.0	52.6	78.8

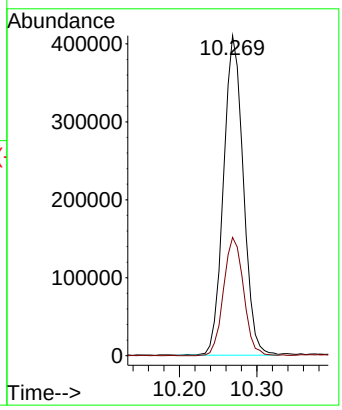




#51
4-Methyl-2-Pentanone
Concen: 66.779 ug/l
RT: 10.269 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN074454.D
Acq: 15 Sep 2022 11:00

Tgt Ion: 43 Resp: 72915

Ion	Ratio	Lower	Upper
43	100		
58	37.6	34.1	51.1



Instrument :
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ClientSampleId :
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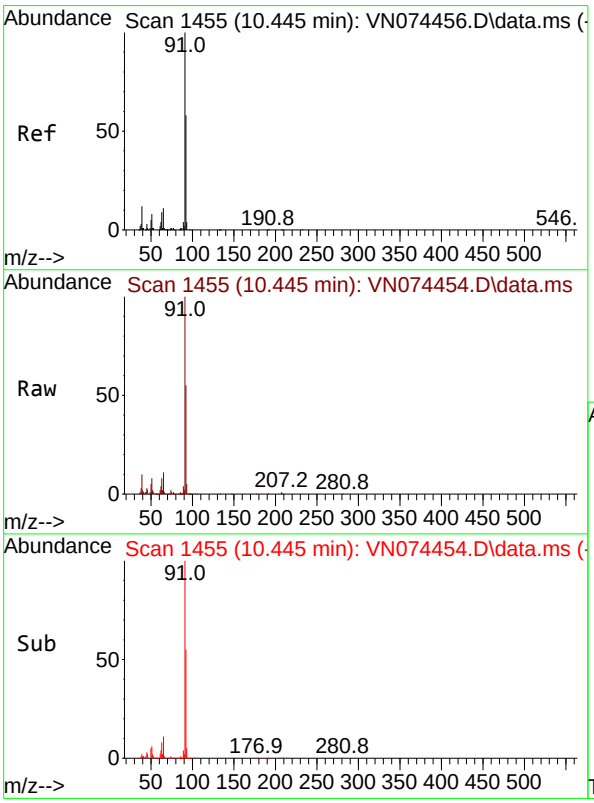
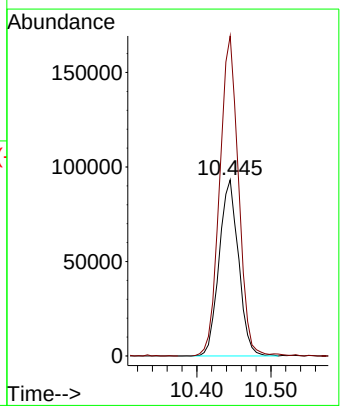
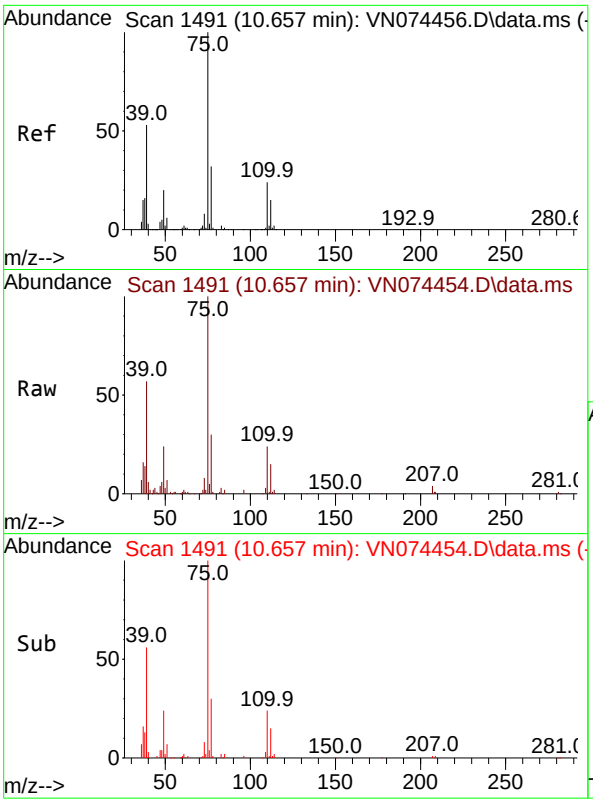


#52
Toluene
Concen: 12.280 ug/l
RT: 10.445 min Scan# 1455
Delta R.T. -0.000 min
Lab File: VN074454.D
Acq: 15 Sep 2022 11:00

Tgt Ion: 92 Resp: 169441

Ion	Ratio	Lower	Upper
92	100		
91	177.1	138.6	207.8

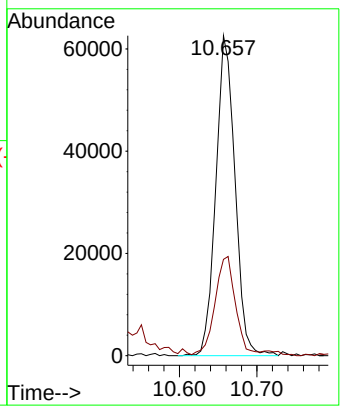




#53
t-1,3-Dichloropropene
Concen: 12.822 ug/l
RT: 10.657 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN074454.D
Acq: 15 Sep 2022 11:00

Tgt Ion: 75 Resp: 10774

Ion	Ratio	Lower	Upper
75	100		
77	29.4	25.6	38.4



Instrument :
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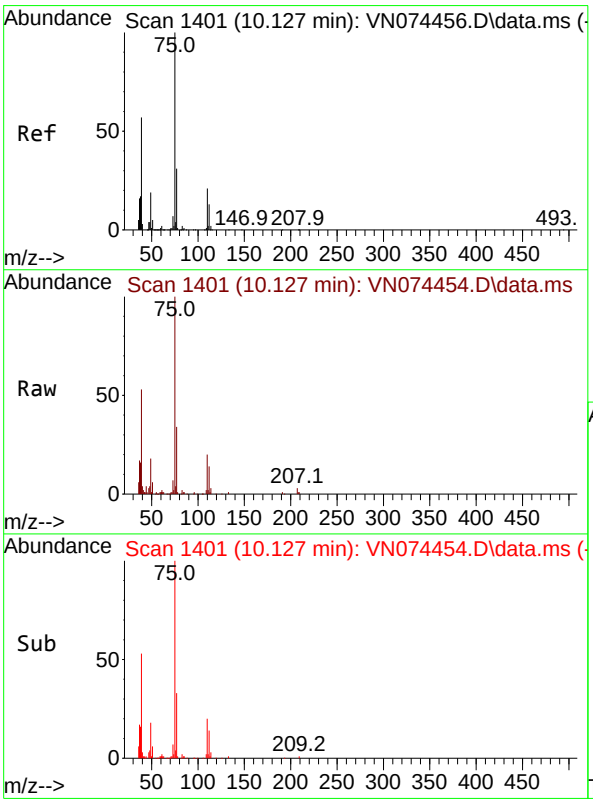
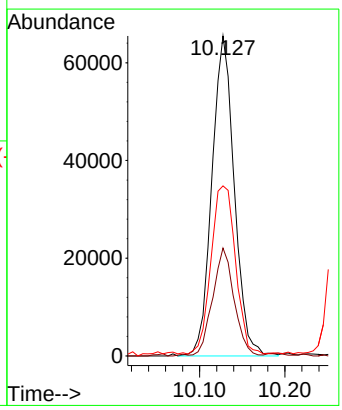
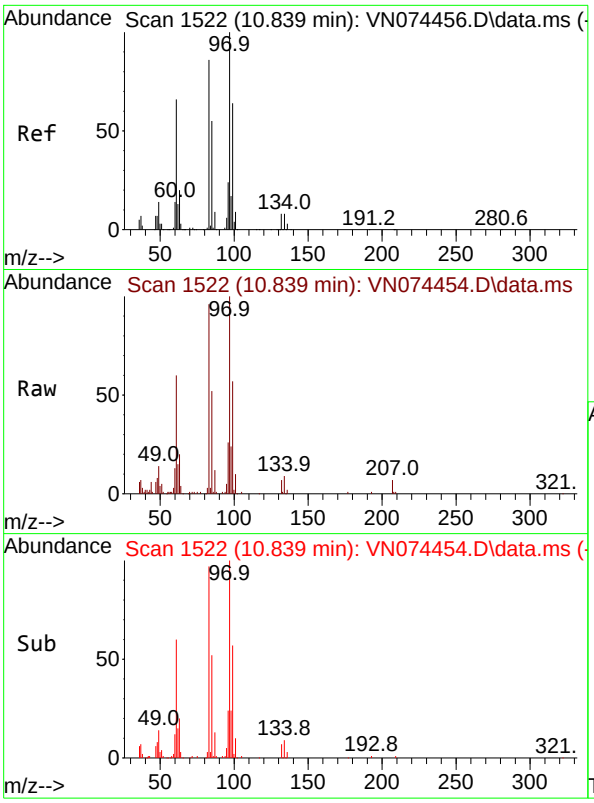


#54
cis-1,3-Dichloropropene
Concen: 13.032 ug/l
RT: 10.127 min Scan# 1401
Delta R.T. -0.000 min
Lab File: VN074454.D
Acq: 15 Sep 2022 11:00

Tgt Ion: 75 Resp: 119419

Ion	Ratio	Lower	Upper
75	100		
77	33.5	25.2	37.8
39	52.5	35.7	53.5

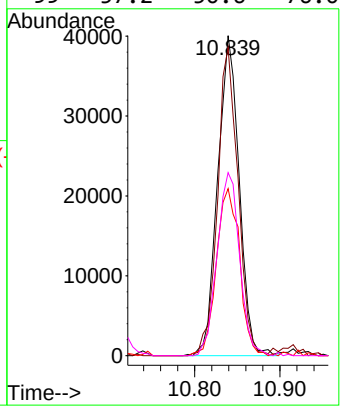




#55
1,1,2-Trichloroethane
Concen: 11.639 ug/l
RT: 10.839 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074454.D
Acq: 15 Sep 2022 11:00

Tgt Ion: 97 Resp: 6995

Ion	Ratio	Lower	Upper
97	100		
83	96.3	66.2	99.4
85	52.2	43.9	65.9
99	57.2	50.6	76.0



Instrument :
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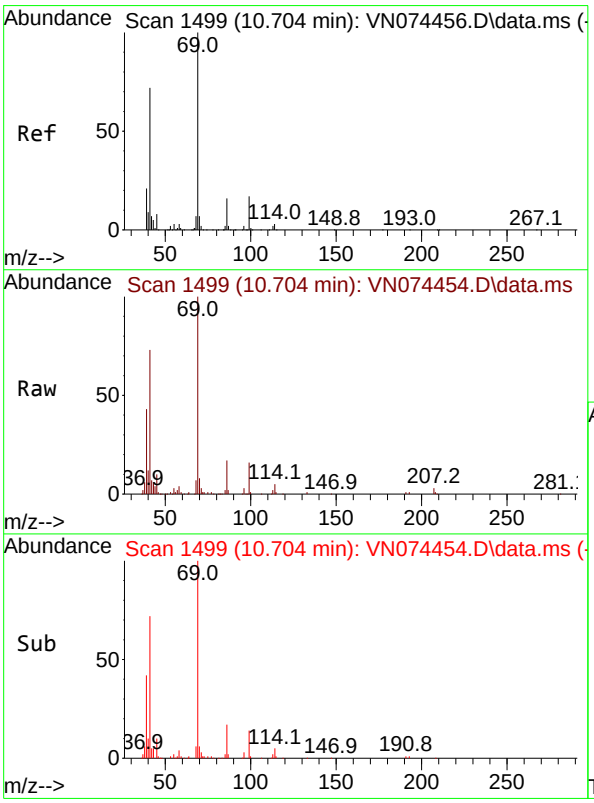
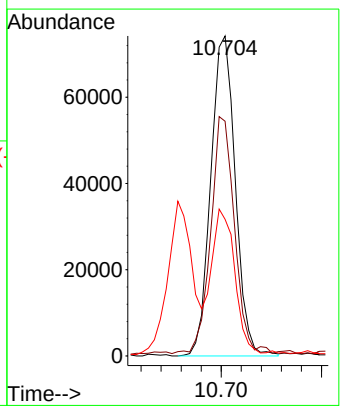
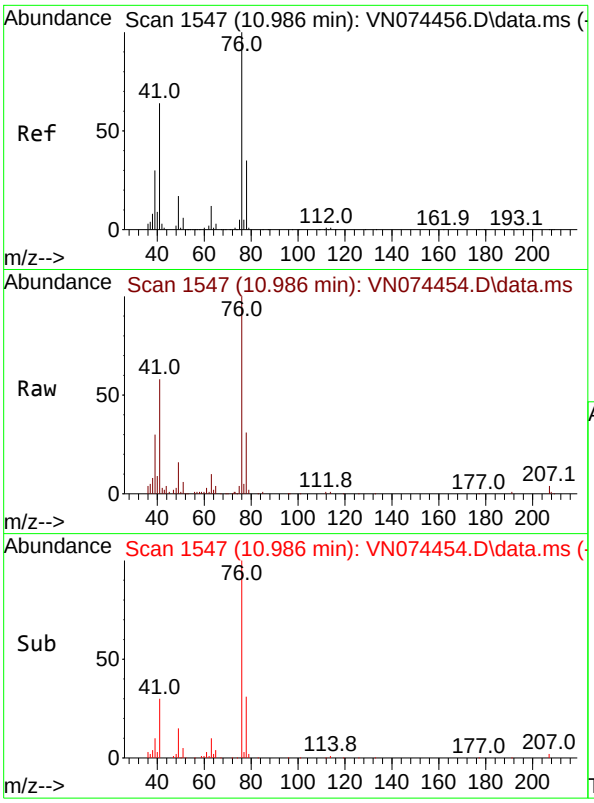


#56
Ethyl methacrylate
Concen: 12.890 ug/l
RT: 10.704 min Scan# 1499
Delta R.T. -0.000 min
Lab File: VN074454.D
Acq: 15 Sep 2022 11:00

Tgt Ion: 69 Resp: 126066

Ion	Ratio	Lower	Upper
69	100		
41	71.5	47.8	71.6
39	42.7	27.3	40.9#

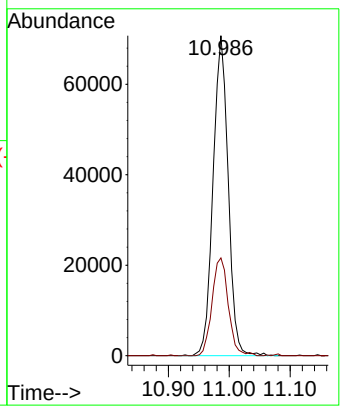




#57
1,3-Dichloropropane
Concen: 12.092 ug/l
RT: 10.986 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074454.D
Acq: 15 Sep 2022 11:00

Tgt Ion: 76 Resp: 12171

Ion	Ratio	Lower	Upper
76	100		
78	32.9	26.2	39.2



Instrument :
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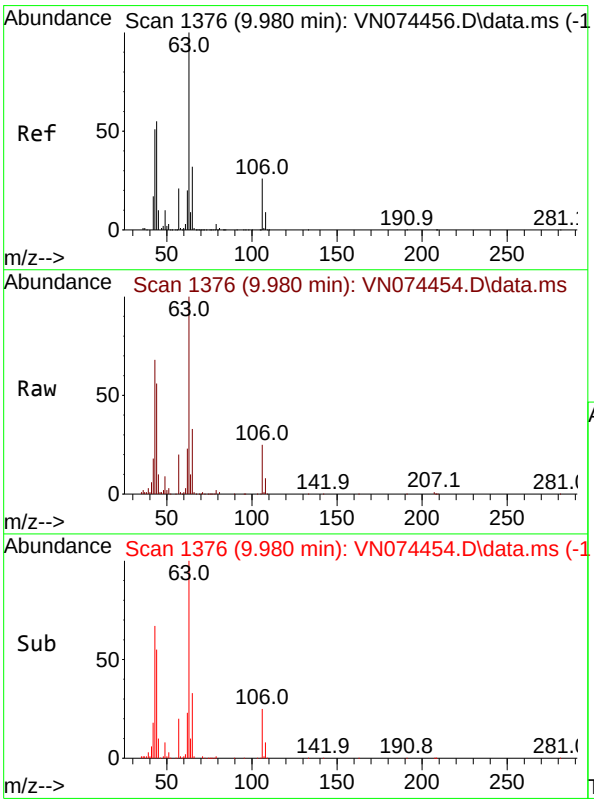
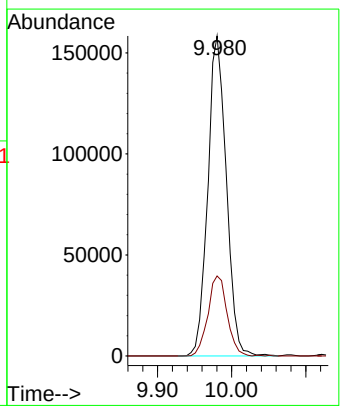
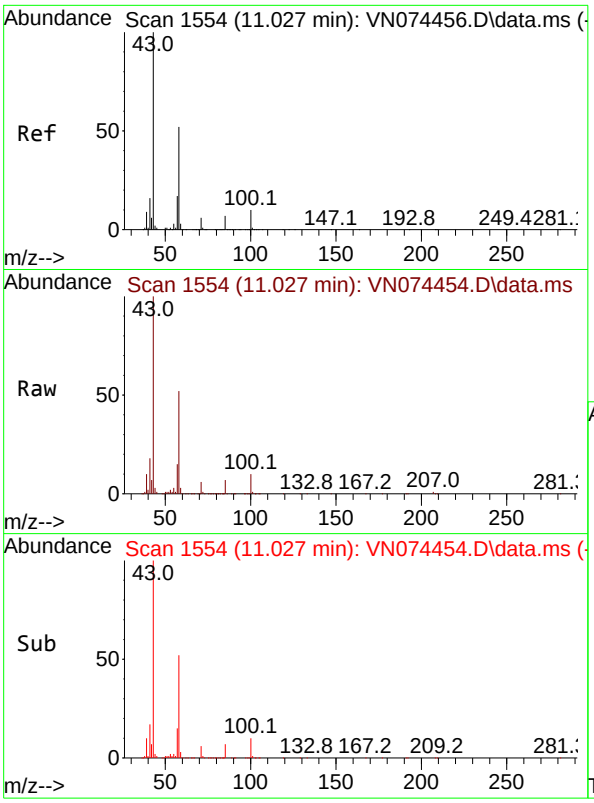


#58
2-Chloroethyl Vinyl ether
Concen: 63.712 ug/l
RT: 9.980 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VN074454.D
Acq: 15 Sep 2022 11:00

Tgt Ion: 63 Resp: 274735

Ion	Ratio	Lower	Upper
63	100		
106	25.8	24.6	36.8

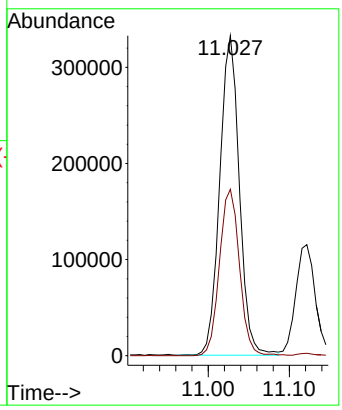




#59
2-Hexanone
Concen: 66.251 ug/l
RT: 11.027 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074454.D
Acq: 15 Sep 2022 11:00

Tgt Ion: 43 Resp: 55812

Ion	Ratio	Lower	Upper
43	100		
58	53.3	29.7	89.1



Instrument :
MSVOA_N
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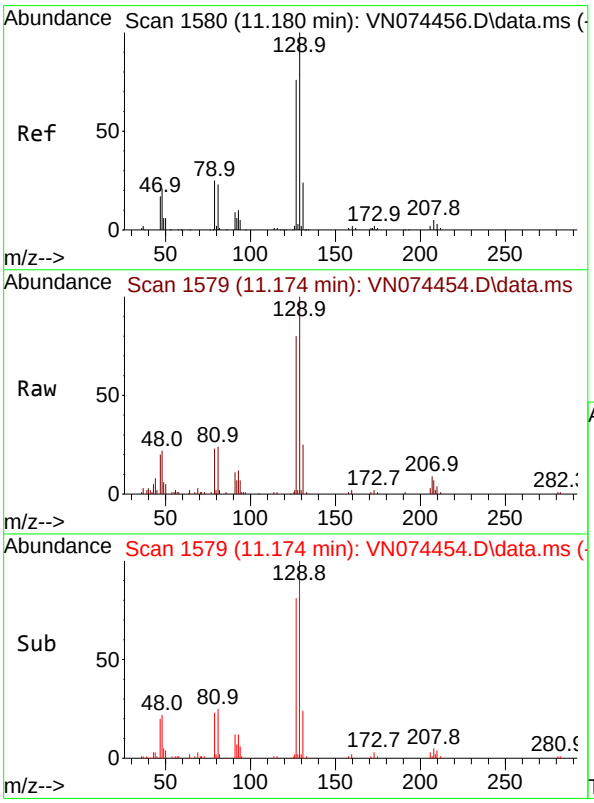
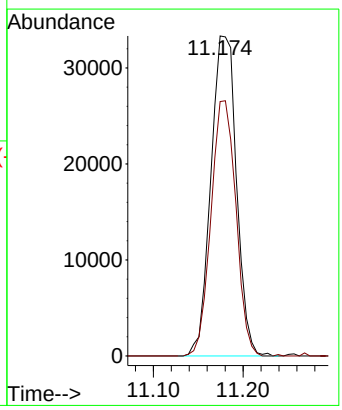
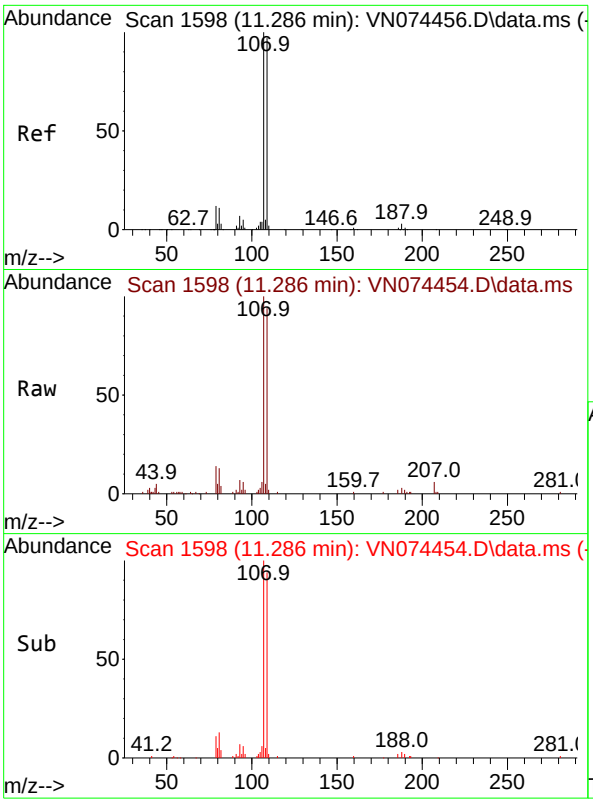


#60
Dibromochloromethane
Concen: 11.738 ug/l
RT: 11.174 min Scan# 1579
Delta R.T. -0.006 min
Lab File: VN074454.D
Acq: 15 Sep 2022 11:00

Tgt Ion:129 Resp: 66045

Ion	Ratio	Lower	Upper
129	100		
127	77.5	38.8	116.4





#61
1,2-Dibromoethane
Concen: 11.853 ug/l
RT: 11.286 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074454.D
Acq: 15 Sep 2022 11:00

Tgt Ion:107 Resp: 6992

Ion	Ratio	Lower	Upper
107	100		
109	90.1	75.0	112.6

Instrument :
MSVOA_N
ClientSampleId :
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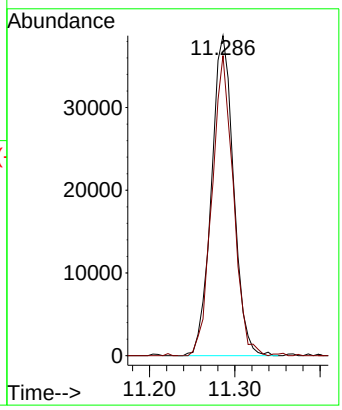
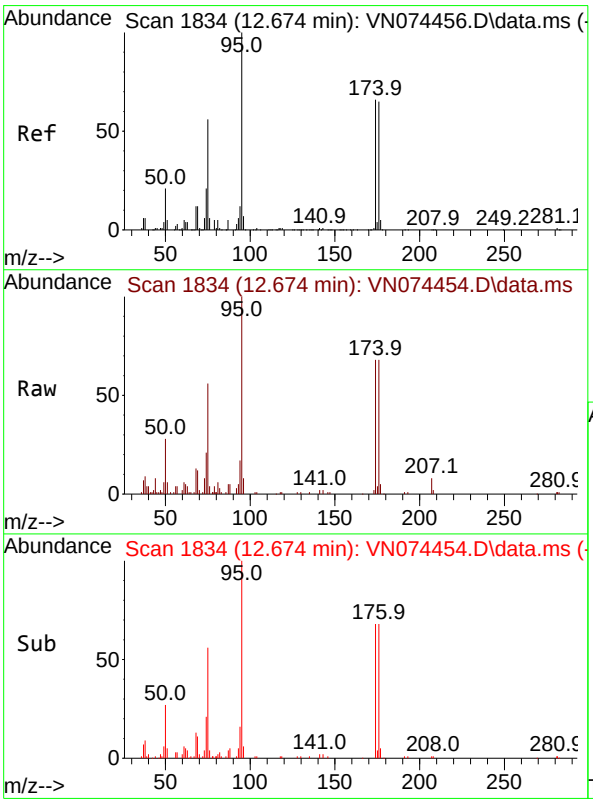
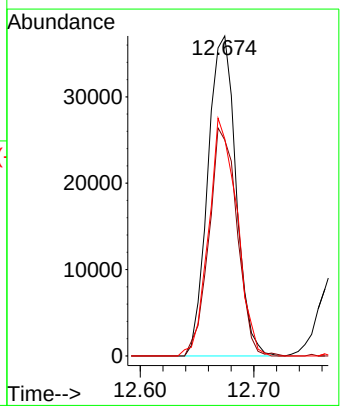


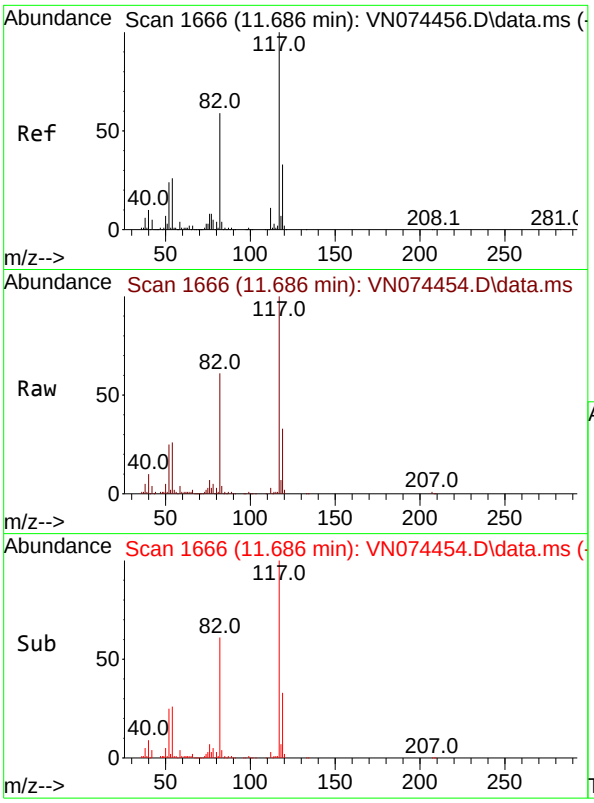


#62
4-Bromofluorobenzene
Concen: 9.314 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.000 min
Lab File: VN074454.D
Acq: 15 Sep 2022 11:00

Tgt Ion: 95 Resp: 63875

Ion	Ratio	Lower	Upper
95	100		
174	71.2	0.0	167.6
176	74.5	0.0	163.4

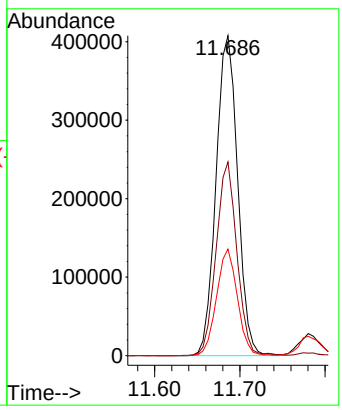




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1(
Delta R.T. -0.000 min
Lab File: VN074454.D
Acq: 15 Sep 2022 11:00

Tgt Ion:117 Resp: 72000

Ion	Ratio	Lower	Upper
117	100		
82	60.5	44.2	66.2
119	33.3	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
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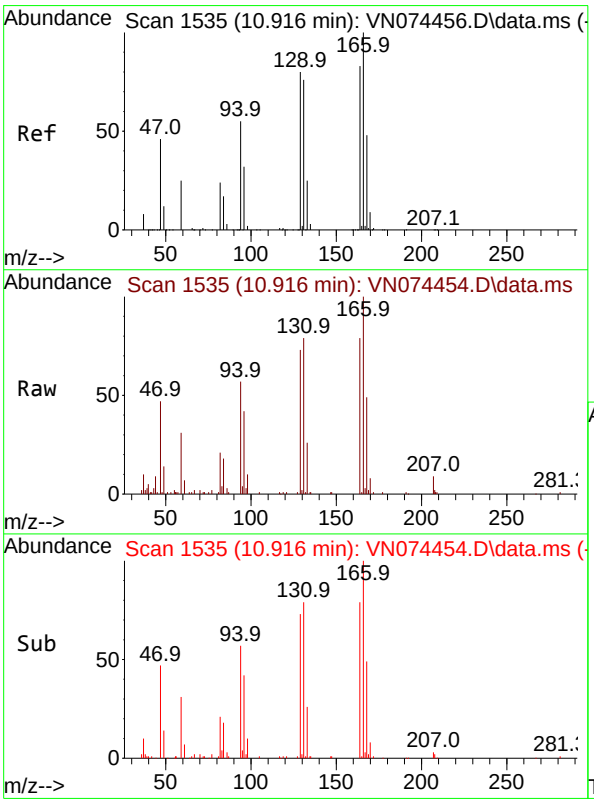
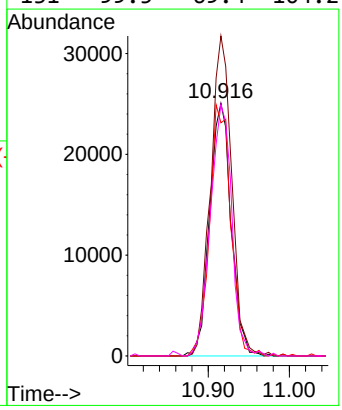
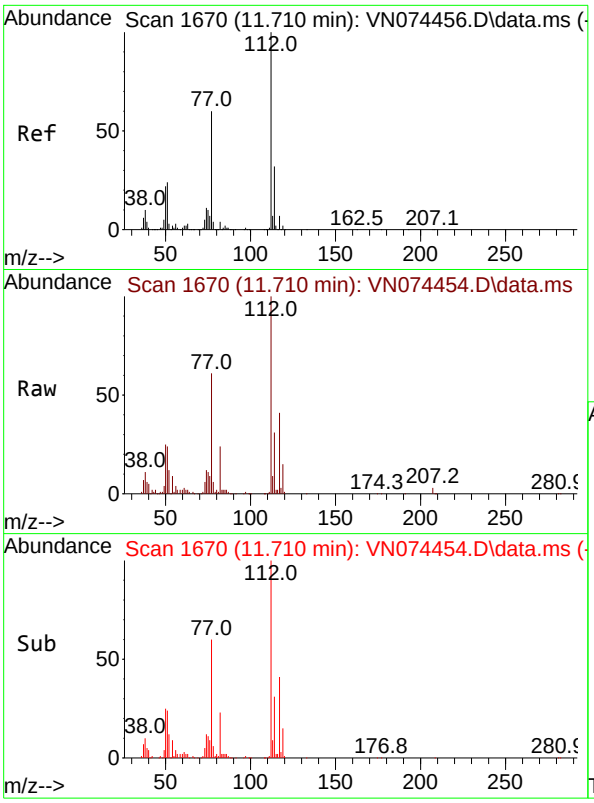


#64
Tetrachloroethene
Concen: 10.510 ug/l
RT: 10.916 min Scan# 1535
Delta R.T. -0.000 min
Lab File: VN074454.D
Acq: 15 Sep 2022 11:00

Tgt Ion:164 Resp: 46167

Ion	Ratio	Lower	Upper
164	100		
166	126.7	104.2	156.2
129	92.3	73.9	110.9
131	99.5	69.4	104.2

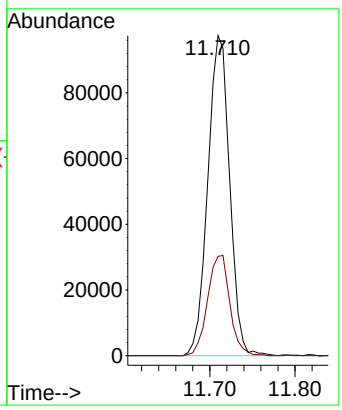




#65
Chlorobenzene
Concen: 11.993 ug/l
RT: 11.710 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074454.D
Acq: 15 Sep 2022 11:00

Tgt Ion:112 Resp: 17311

Ion	Ratio	Lower	Upper
112	100		
114	31.1	25.4	38.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

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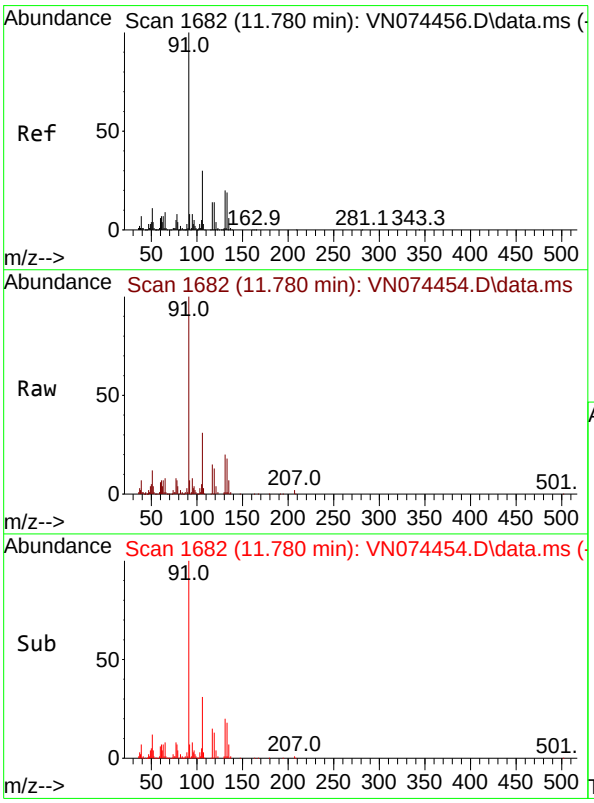
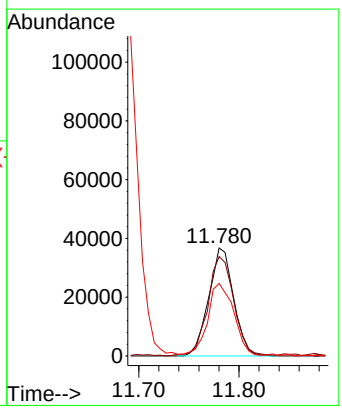
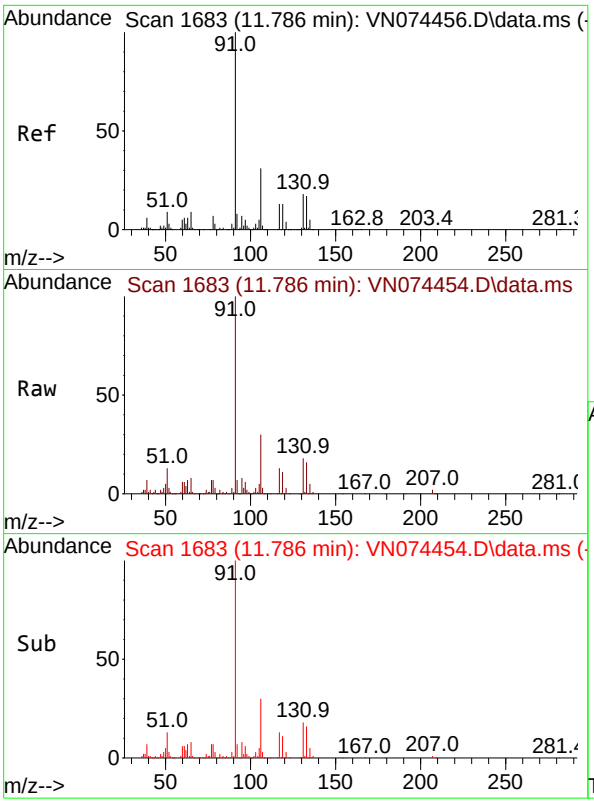


#66
1,1,1,2-Tetrachloroethane
Concen: 11.600 ug/l
RT: 11.780 min Scan# 1682
Delta R.T. -0.000 min
Lab File: VN074454.D
Acq: 15 Sep 2022 11:00

Tgt Ion:131 Resp: 63202

Ion	Ratio	Lower	Upper
131	100		
133	96.4	47.8	143.4
119	69.8	33.4	100.2

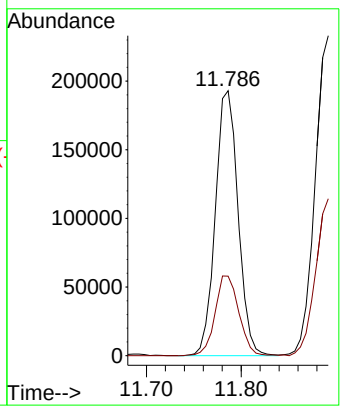




#67
Ethyl Benzene
Concen: 12.539 ug/l
RT: 11.786 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074454.D
Acq: 15 Sep 2022 11:00

Tgt Ion: 91 Resp: 32203

Ion	Ratio	Lower	Upper
91	100		
106	30.0	24.9	37.3



Instrument :
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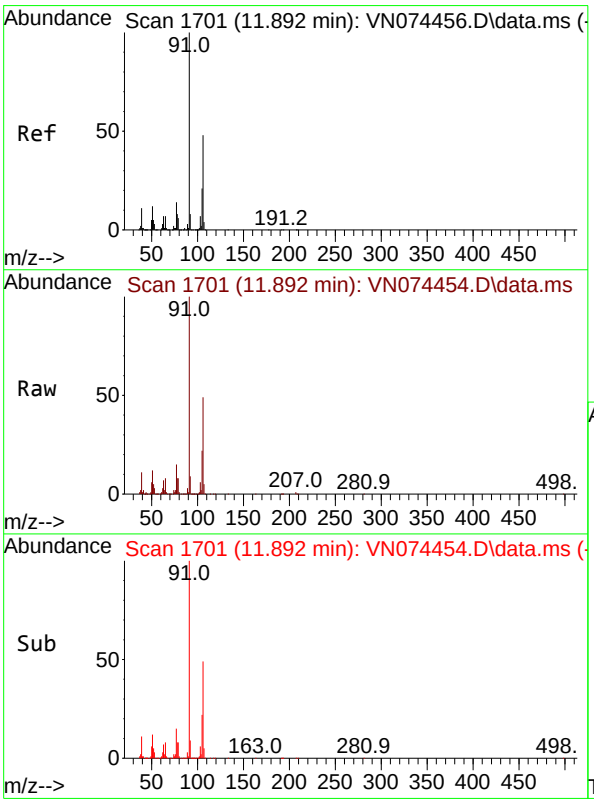
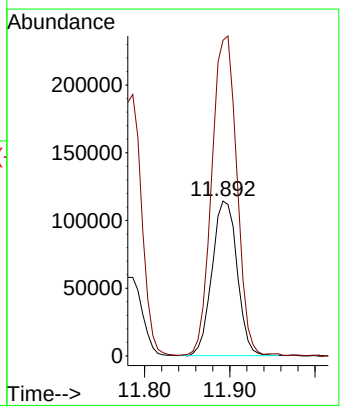
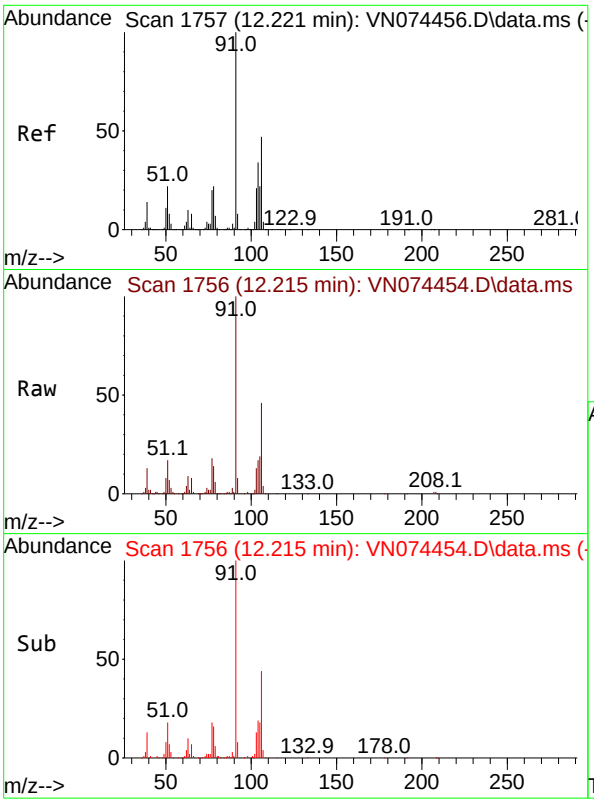


#68
m/p-Xylenes
Concen: 23.281 ug/l
RT: 11.892 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN074454.D
Acq: 15 Sep 2022 11:00

Tgt Ion:106 Resp: 233433

Ion	Ratio	Lower	Upper
106	100		
91	207.1	158.9	238.3

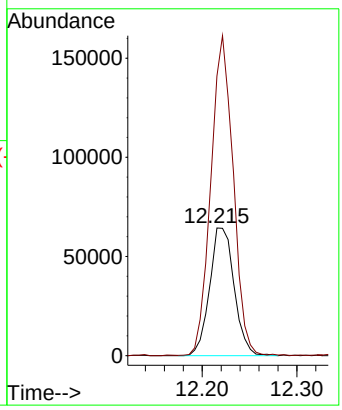




#69
o-Xylene
Concen: 11.536 ug/l
RT: 12.215 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN074454.D
Acq: 15 Sep 2022 11:00

Tgt Ion:106 Resp: 11589

Ion	Ratio	Lower	Upper
106	100		
91	228.7	106.0	318.0



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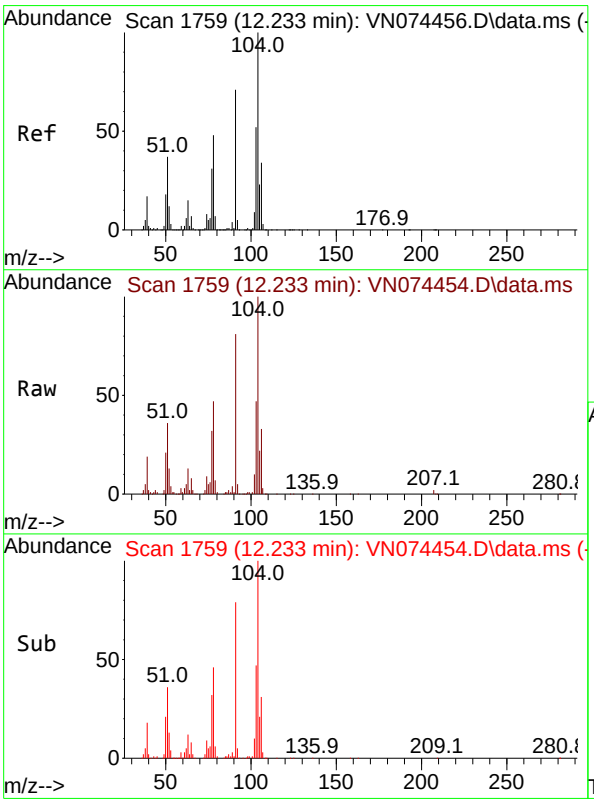
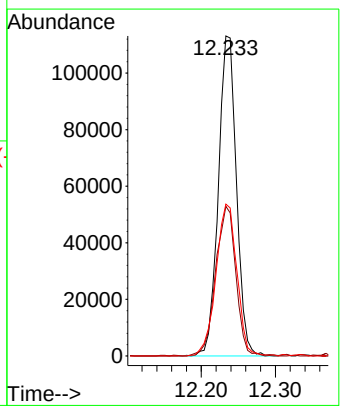
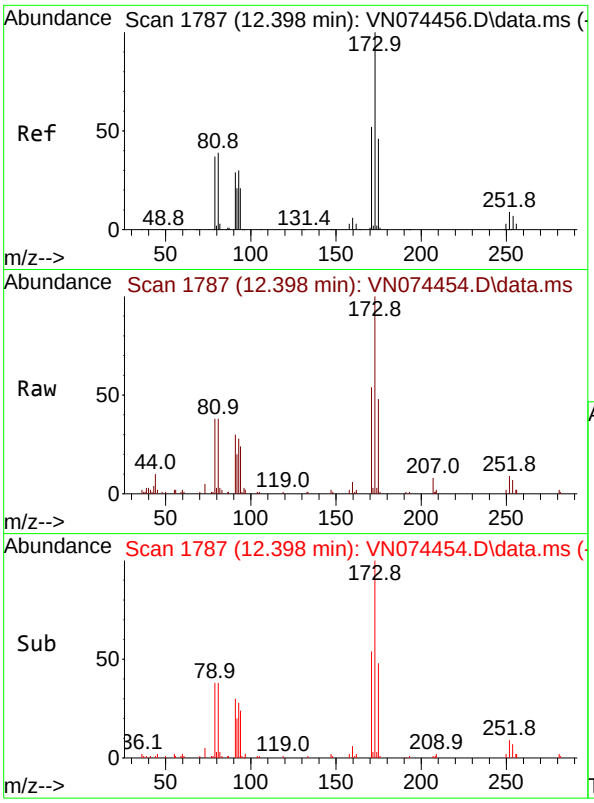


#70
Styrene
Concen: 11.855 ug/l
RT: 12.233 min Scan# 1759
Delta R.T. -0.000 min
Lab File: VN074454.D
Acq: 15 Sep 2022 11:00

Tgt Ion:104 Resp: 191856

Ion	Ratio	Lower	Upper
104	100		
78	52.0	39.5	59.3
103	54.9	44.0	66.0

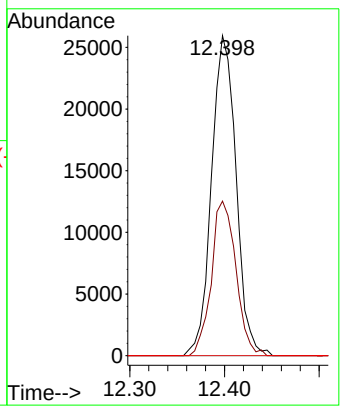




#71
Bromoform
Concen: 11.442 ug/l
RT: 12.398 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074454.D
Acq: 15 Sep 2022 11:00

Tgt Ion:173 Resp: 4674

Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.6	73.6
254	0.0	0.1	0.1#



Instrument :
MSVOA_N
ClientSampleId :
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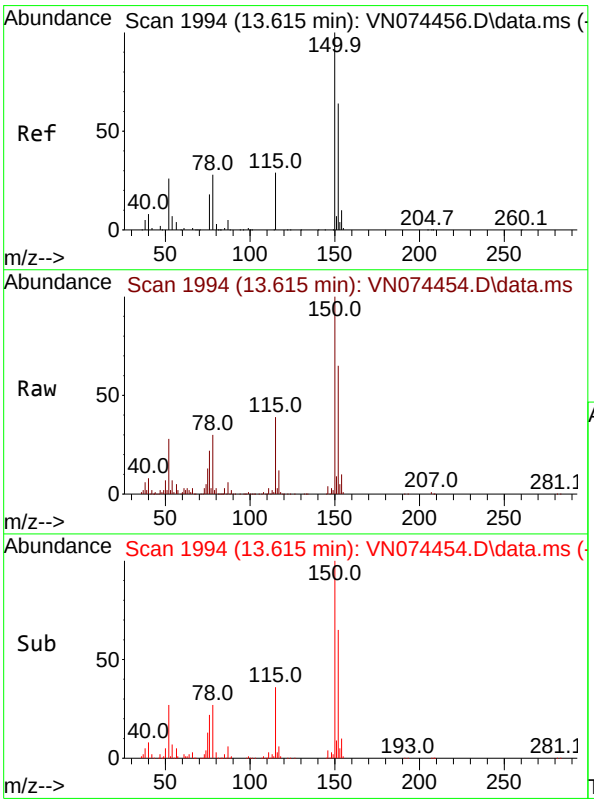
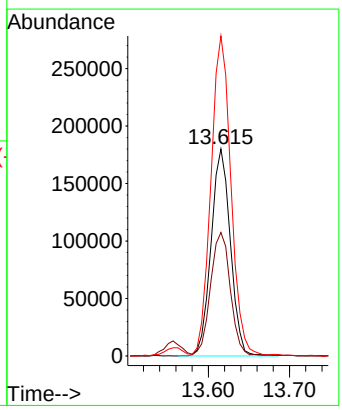
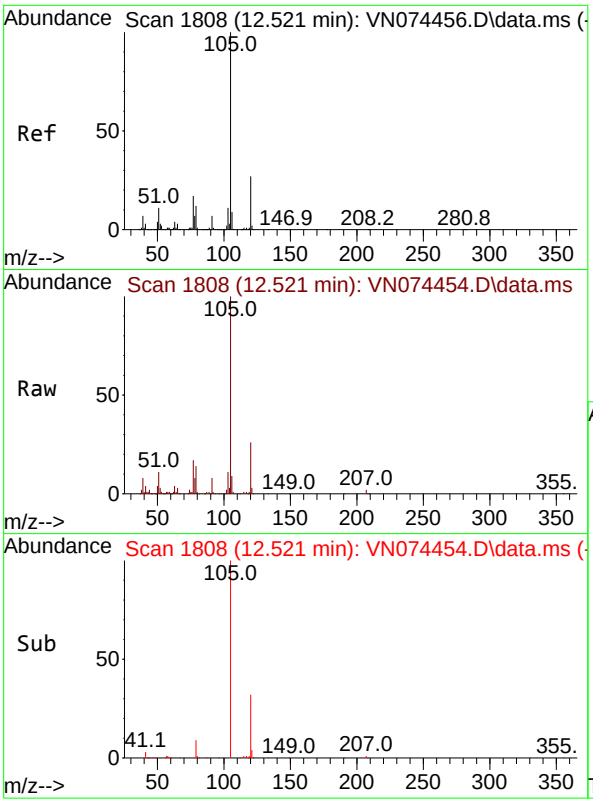


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.615 min Scan# 1994
Delta R.T. -0.000 min
Lab File: VN074454.D
Acq: 15 Sep 2022 11:00

Tgt Ion:152 Resp: 298133

Ion	Ratio	Lower	Upper
152	100		
115	60.4	28.9	86.7
150	158.7	0.0	356.2

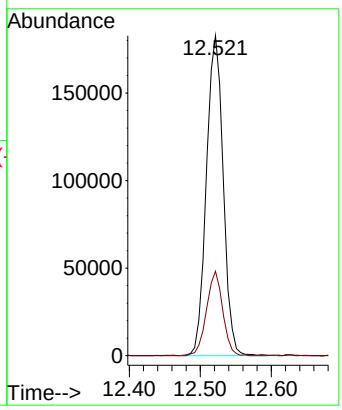




#73
Isopropylbenzene
Concen: 12.667 ug/l
RT: 12.521 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074454.D
Acq: 15 Sep 2022 11:00

Tgt Ion:105 Resp: 30149

Ion	Ratio	Lower	Upper
105	100		
120	25.4	13.5	40.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

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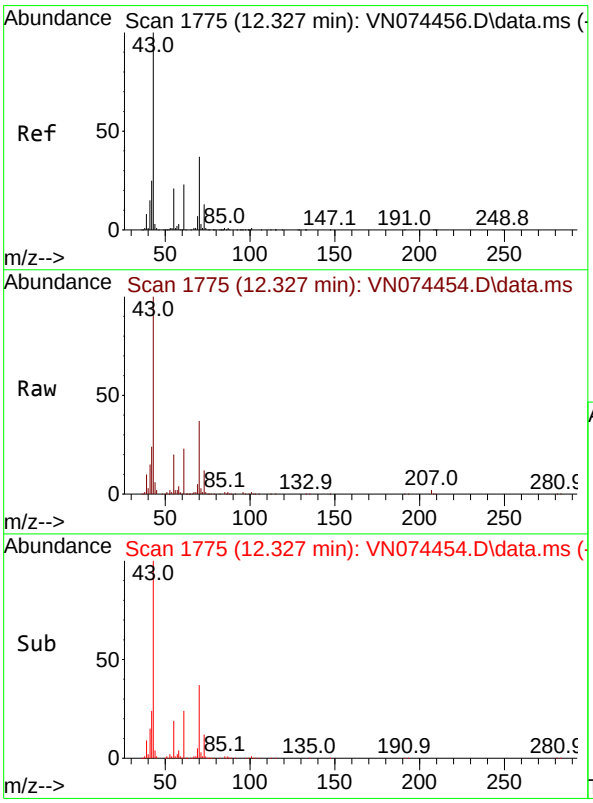
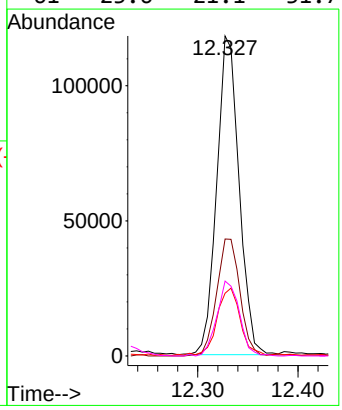
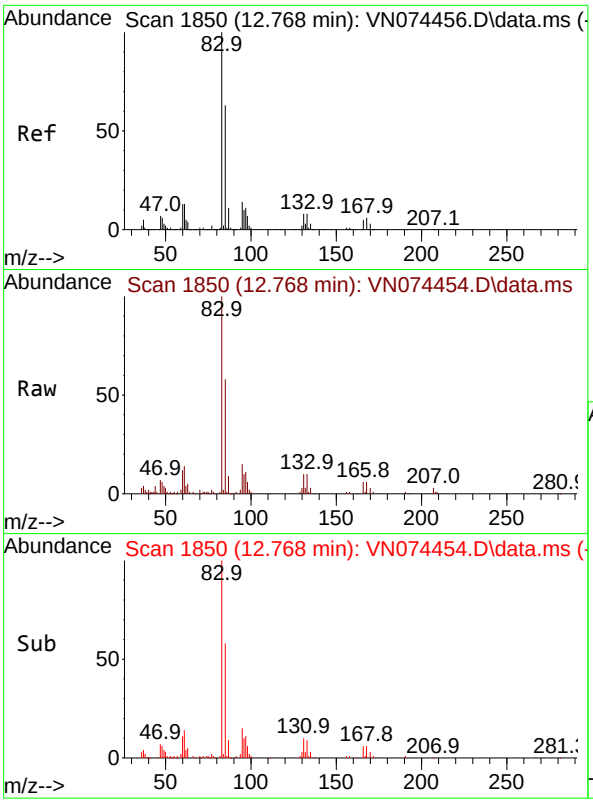


#74
N-amyl acetate
Concen: 14.363 ug/l
RT: 12.327 min Scan# 1775
Delta R.T. -0.000 min
Lab File: VN074454.D
Acq: 15 Sep 2022 11:00

Tgt Ion: 43 Resp: 182539

Ion	Ratio	Lower	Upper
43	100		
70	38.1	39.0	58.4#
55	21.8	21.1	31.7
61	23.6	21.1	31.7

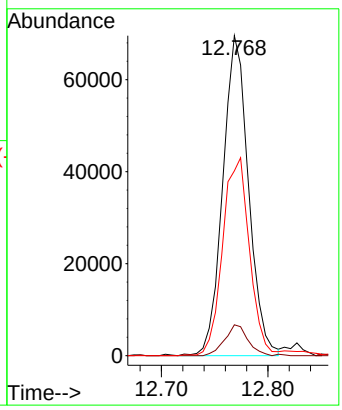




#75
1,1,2,2-Tetrachloroethane
Concen: 13.408 ug/l
RT: 12.768 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074454.D
Acq: 15 Sep 2022 11:00

Tgt Ion: 83 Resp: 11655

Ion	Ratio	Lower	Upper
83	100		
131	8.7	5.3	15.9
85	64.5	32.3	96.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

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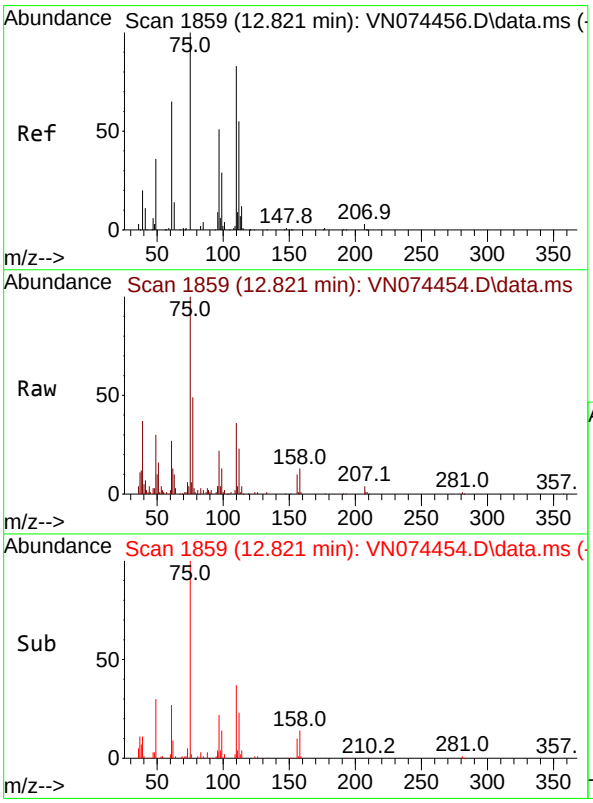
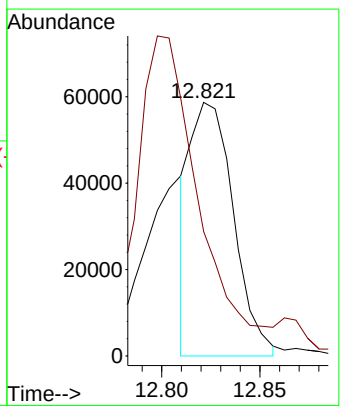
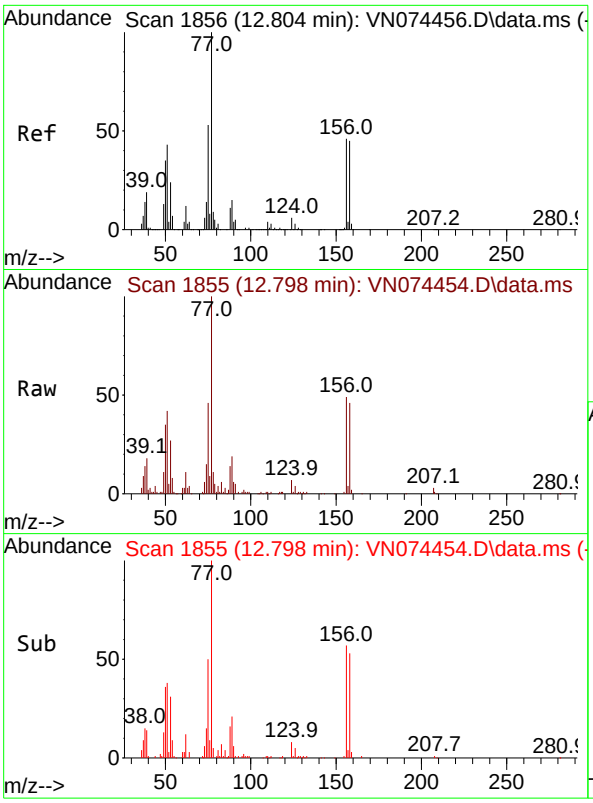


#76
1,2,3-Trichloropropane
Concen: 12.030 ug/l m
RT: 12.821 min Scan# 1859
Delta R.T. -0.000 min
Lab File: VN074454.D
Acq: 15 Sep 2022 11:00

Tgt Ion: 75 Resp: 90005

Ion	Ratio	Lower	Upper
75	100		
77	0.0	98.5	295.5#

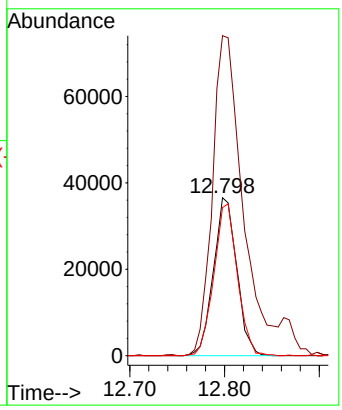




#77
Bromobenzene
Concen: 11.264 ug/l
RT: 12.798 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN074454.D
Acq: 15 Sep 2022 11:00

Tgt Ion:156 Resp: 6256

Ion	Ratio	Lower	Upper
156	100		
77	262.5	100.5	301.5
158	96.9	48.9	146.6



Instrument :
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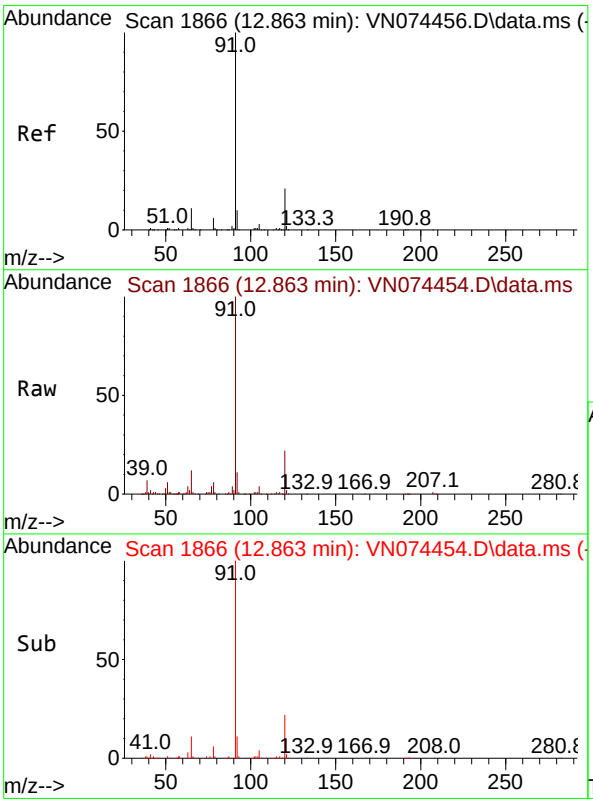
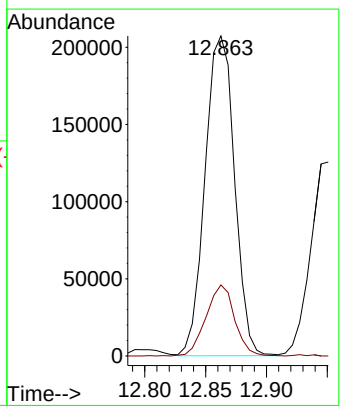
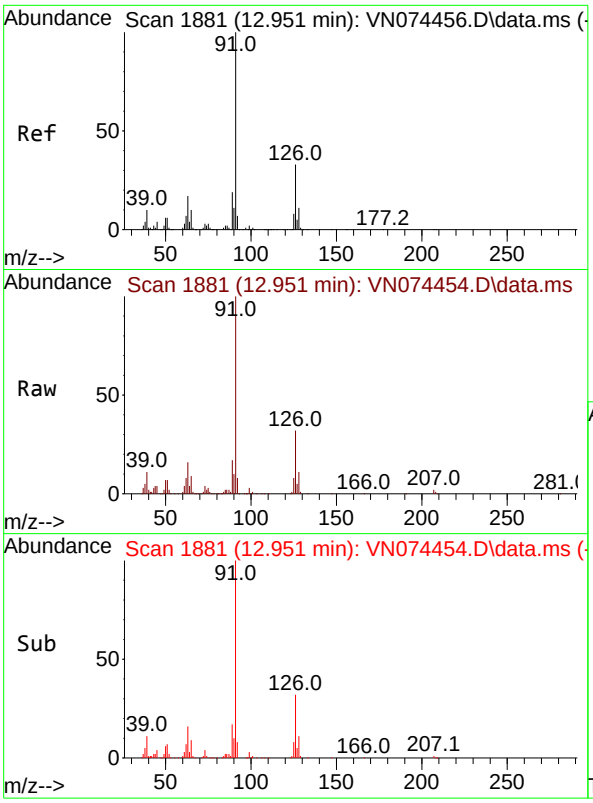


#78
n-propylbenzene
Concen: 13.141 ug/l
RT: 12.863 min Scan# 1866
Delta R.T. -0.000 min
Lab File: VN074454.D
Acq: 15 Sep 2022 11:00

Tgt Ion: 91 Resp: 349466

Ion	Ratio	Lower	Upper
91	100		
120	21.5	11.9	35.5

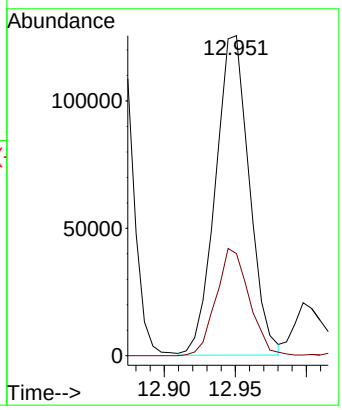




#79
2-Chlorotoluene
Concen: 12.245 ug/l
RT: 12.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074454.D
Acq: 15 Sep 2022 11:00

Tgt Ion: 91 Resp: 20781

Ion	Ratio	Lower	Upper
91	100		
126	32.9	17.3	51.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

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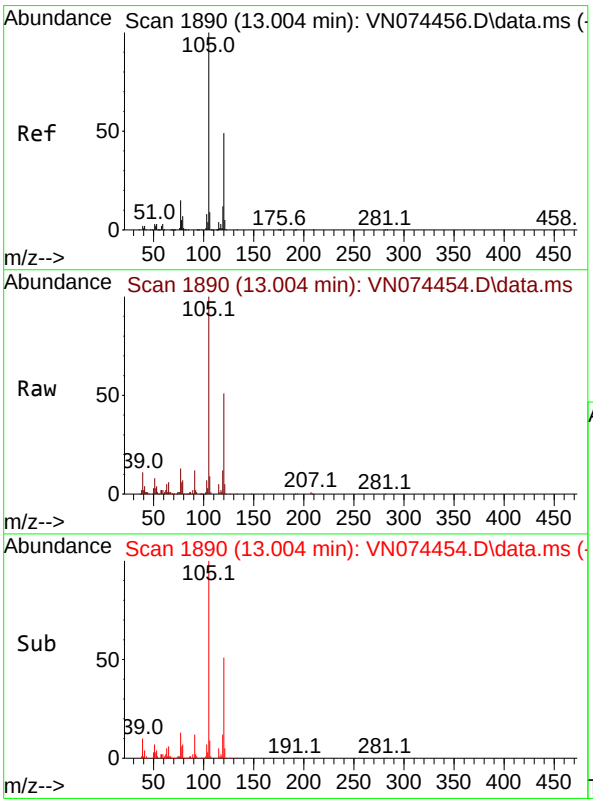
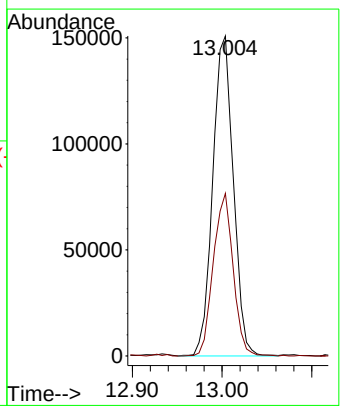
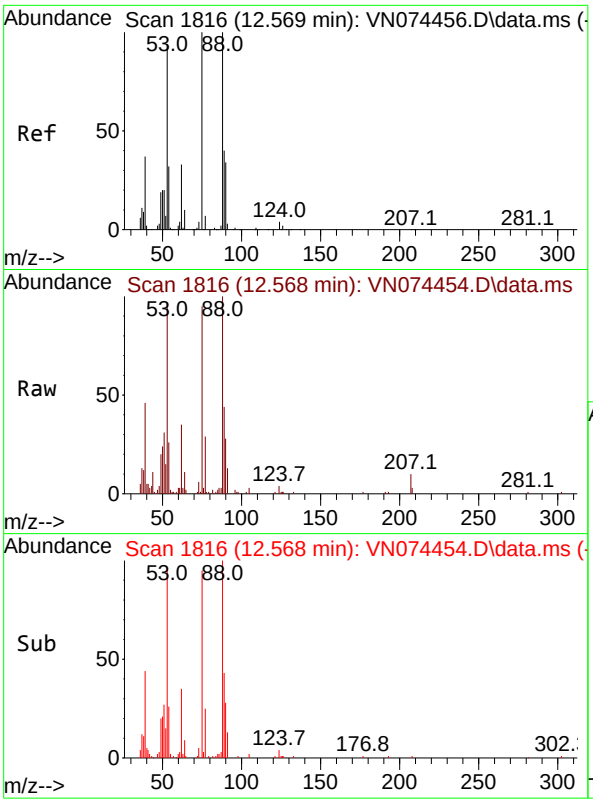


#80
1,3,5-Trimethylbenzene
Concen: 12.316 ug/l
RT: 13.004 min Scan# 1890
Delta R.T. -0.000 min
Lab File: VN074454.D
Acq: 15 Sep 2022 11:00

Tgt Ion:105 Resp: 240480

Ion	Ratio	Lower	Upper
105	100		
120	48.9	24.9	74.7

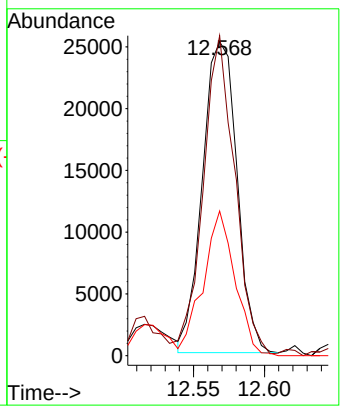




#81
trans-1,4-Dichloro-2-butene
Concen: 14.722 ug/l
RT: 12.568 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074454.D
Acq: 15 Sep 2022 11:00

Tgt Ion: 75 Resp: 4253

Ion	Ratio	Lower	Upper
75	100		
53	93.7	78.0	117.0
89	43.2	37.2	55.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

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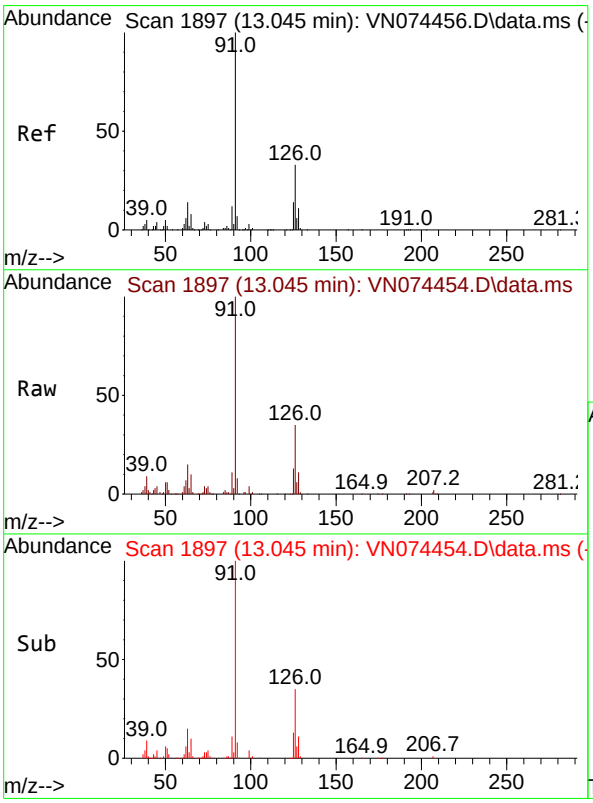
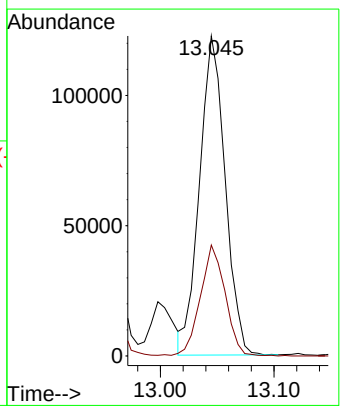
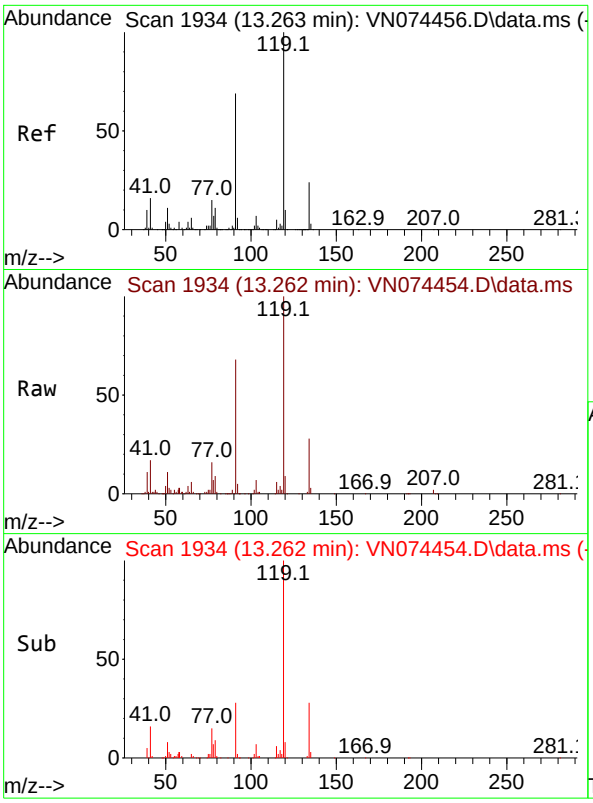


#82
4-Chlorotoluene
Concen: 11.991 ug/l
RT: 13.045 min Scan# 1897
Delta R.T. -0.000 min
Lab File: VN074454.D
Acq: 15 Sep 2022 11:00

Tgt Ion: 91 Resp: 192347

Ion	Ratio	Lower	Upper
91	100		
126	33.7	17.2	51.6

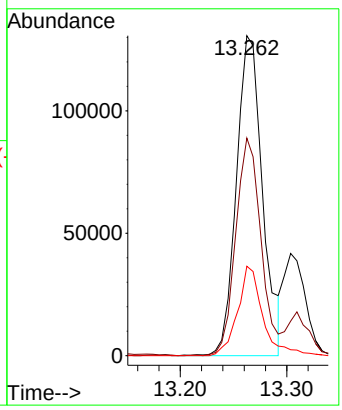




#83
tert-Butylbenzene
Concen: 12.561 ug/l
RT: 13.262 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074454.D
Acq: 15 Sep 2022 11:00

Tgt Ion:119 Resp: 22359

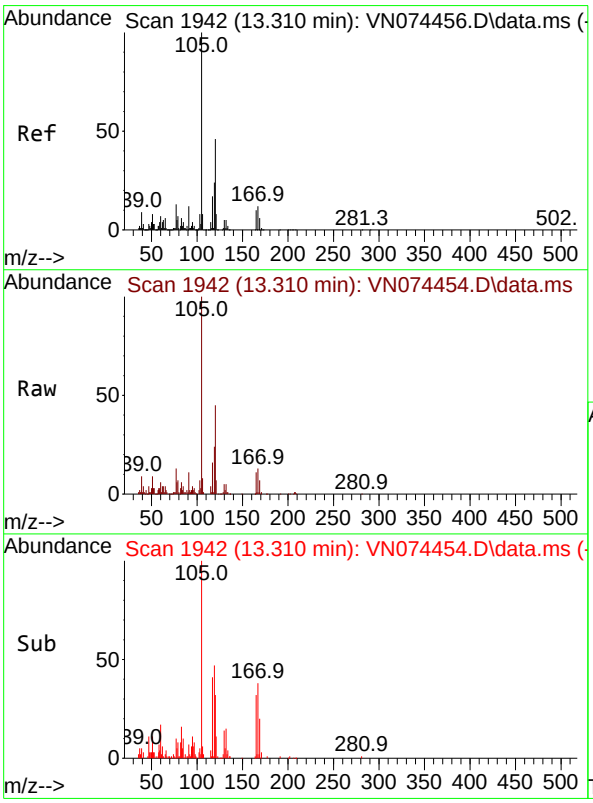
Ion	Ratio	Lower	Upper
119	100		
91	65.6	31.6	94.8
134	27.0	13.7	41.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

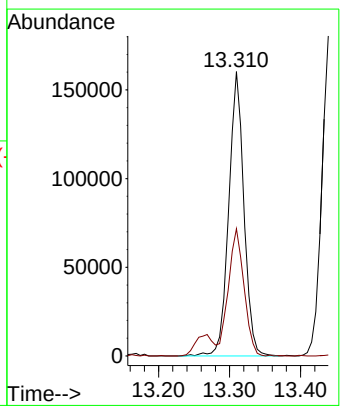
Reviewed By :John Carlone 09/16/2022
Supervised By :Mahesh Dadoda 09/16/2022

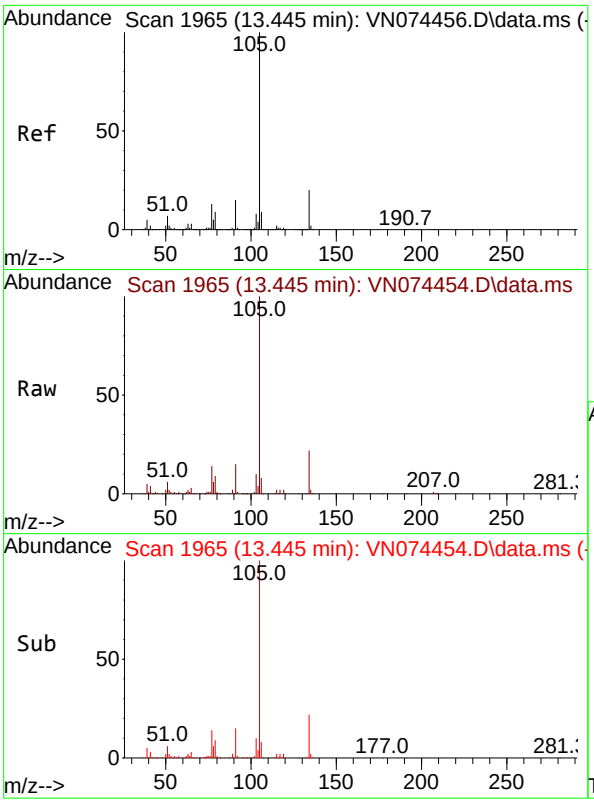


#84
1,2,4-Trimethylbenzene
Concen: 12.221 ug/l
RT: 13.310 min Scan# 1942
Delta R.T. -0.000 min
Lab File: VN074454.D
Acq: 15 Sep 2022 11:00

Tgt Ion:105 Resp: 237945

Ion	Ratio	Lower	Upper
105	100		
120	46.4	23.3	69.8





#85
sec-Butylbenzene
Concen: 12.590 ug/l
RT: 13.445 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074454.D
Acq: 15 Sep 2022 11:00

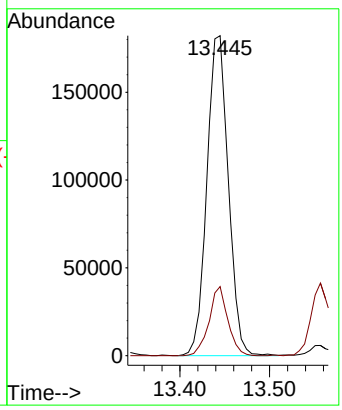
Tgt Ion:105 Resp: 30253

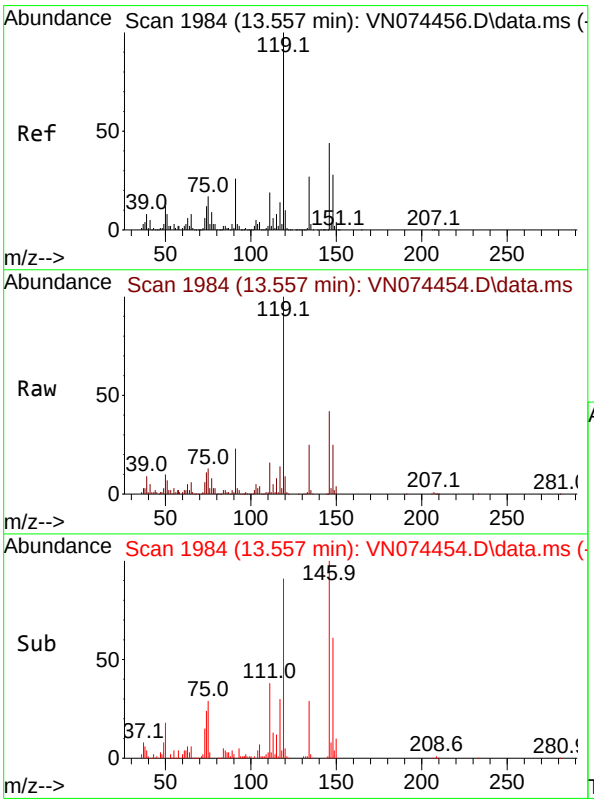
Ion	Ratio	Lower	Upper
105	100		
134	18.9	10.4	31.1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :John Carlone 09/16/2022
Supervised By :Mahesh Dadoda 09/16/2022

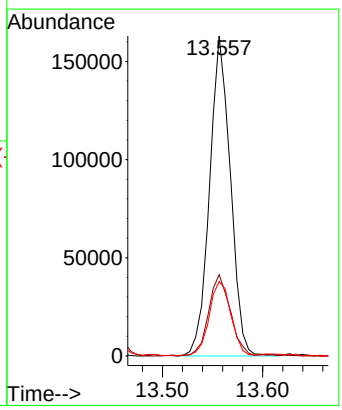


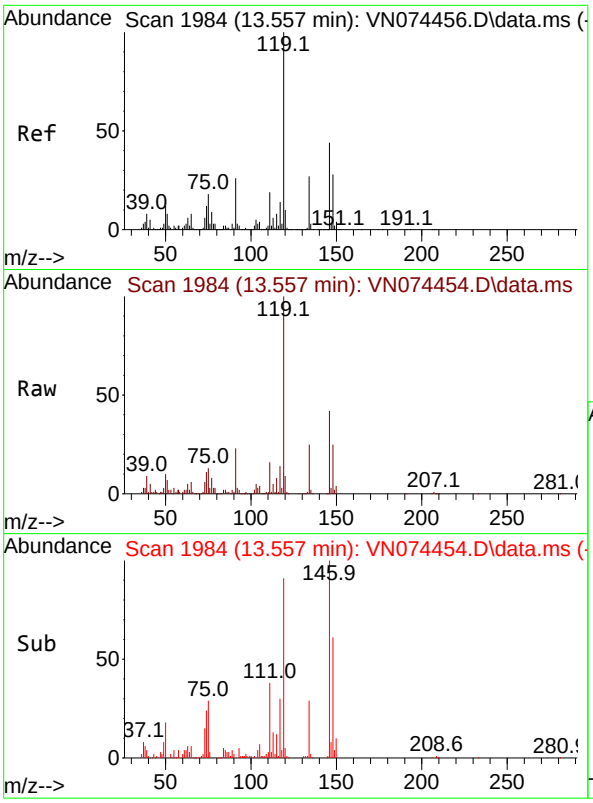


#86
p-Isopropyltoluene
Concen: 12.198 ug/l
RT: 13.557 min Scan# 1984
Delta R.T. -0.000 min
Lab File: VN074454.D
Acq: 15 Sep 2022 11:00

Tgt Ion:119 Resp: 235616

Ion	Ratio	Lower	Upper
119	100		
134	26.9	13.3	39.8
91	24.0	11.3	33.9





#87
1,3-Dichlorobenzene
Concen: 11.158 ug/l
RT: 13.557 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074454.D
Acq: 15 Sep 2022 11:00

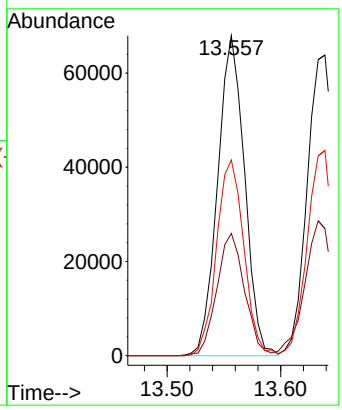
Tgt Ion:146 Resp: 11218

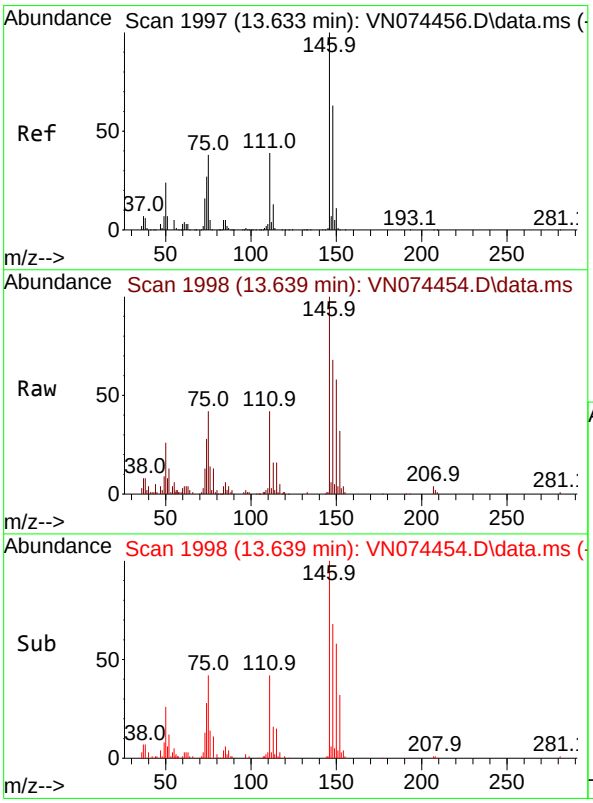
Ion	Ratio	Lower	Upper
146	100		
111	39.3	20.0	60.0
148	62.0	32.0	96.0

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :John Carlone 09/16/2022
Supervised By :Mahesh Dadoda 09/16/2022

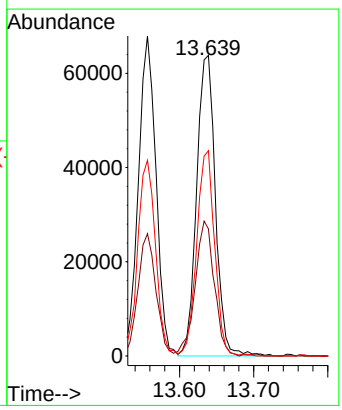


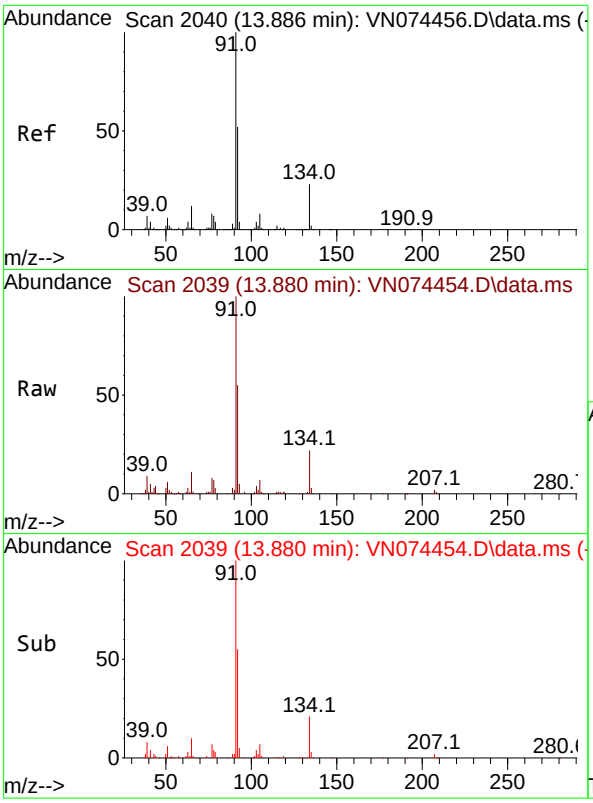


#88
1,4-Dichlorobenzene
Concen: 11.111 ug/l
RT: 13.639 min Scan# 1998
Delta R.T. 0.006 min
Lab File: VN074454.D
Acq: 15 Sep 2022 11:00

Tgt Ion:146 Resp: 112368

Ion	Ratio	Lower	Upper
146	100		
111	46.0	19.1	57.1
148	64.4	31.4	94.3





#89
n-Butylbenzene
Concen: 12.053 ug/l
RT: 13.880 min Scan# 2
Delta R.T. -0.006 min
Lab File: VN074454.D
Acq: 15 Sep 2022 11:00

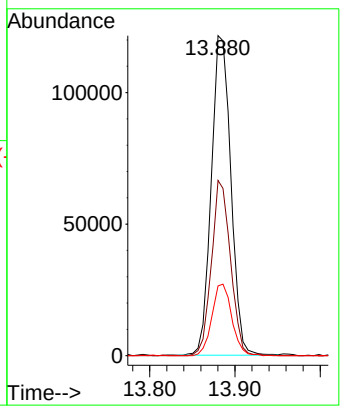
Tgt Ion: 91 Resp: 19379

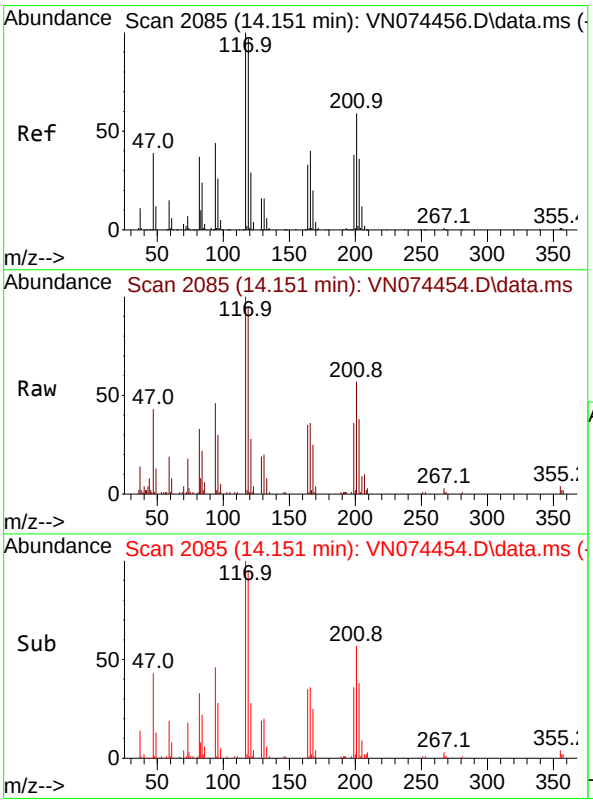
Ion	Ratio	Lower	Upper
91	100		
92	53.5	26.9	80.7
134	22.8	13.6	40.8

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :John Carlone 09/16/2022
Supervised By :Mahesh Dadoda 09/16/2022

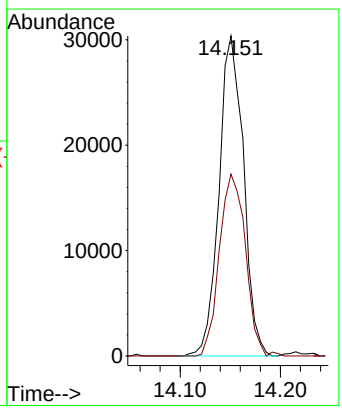


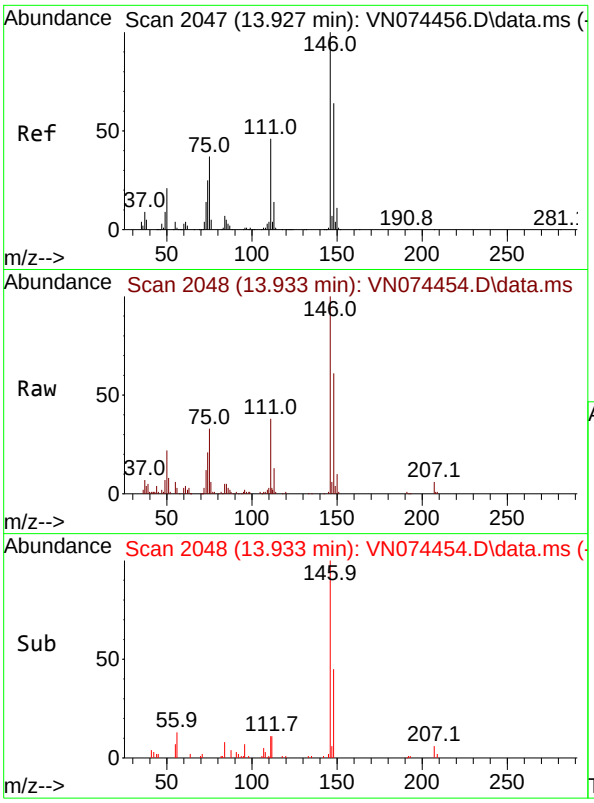


#90
Hexachloroethane
Concen: 13.831 ug/l
RT: 14.151 min Scan# 2085
Delta R.T. -0.000 min
Lab File: VN074454.D
Acq: 15 Sep 2022 11:00

Tgt Ion:117 Resp: 51350

Ion	Ratio	Lower	Upper
117	100		
201	60.6	40.6	122.0

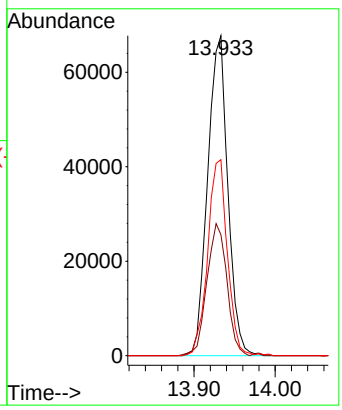




#91
1,2-Dichlorobenzene
Concen: 11.214 ug/l
RT: 13.933 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN074454.D
Acq: 15 Sep 2022 11:00

Tgt Ion:146 Resp: 11687

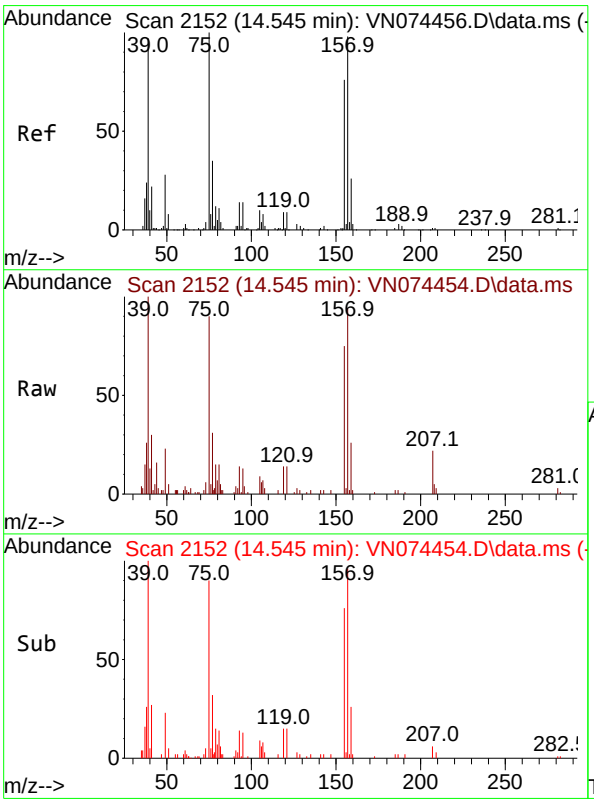
Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.9	62.8
148	59.9	32.1	96.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

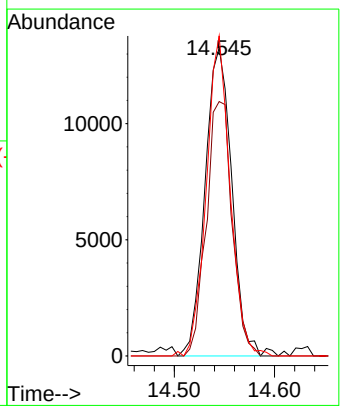
Reviewed By :John Carlone 09/16/2022
Supervised By :Mahesh Dadoda 09/16/2022

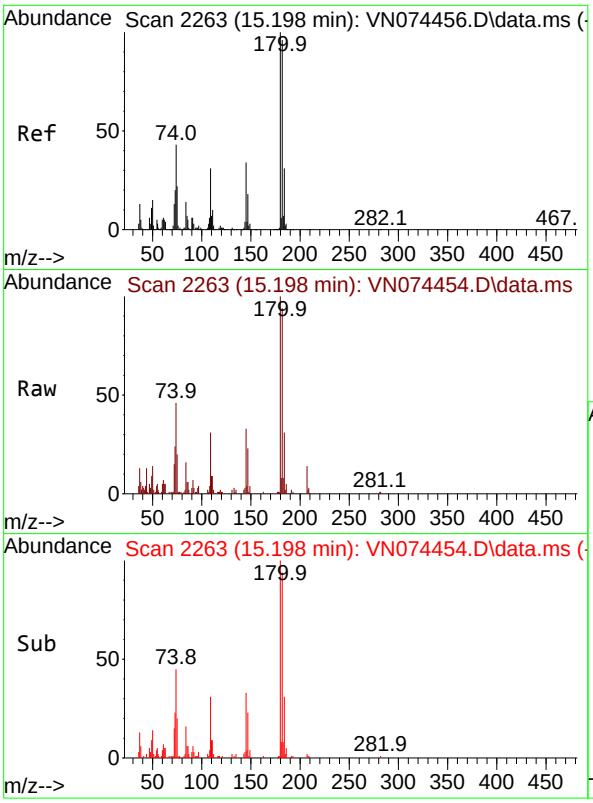


#92
1,2-Dibromo-3-Chloropropane
Concen: 10.808 ug/l
RT: 14.545 min Scan# 2152
Delta R.T. -0.000 min
Lab File: VN074454.D
Acq: 15 Sep 2022 11:00

Tgt Ion: 75 Resp: 24701

Ion	Ratio	Lower	Upper
75	100		
155	79.4	44.9	134.5
157	92.2	59.0	176.8





#93
1,2,4-Trichlorobenzene
Concen: 9.026 ug/l
RT: 15.198 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN074454.D
Acq: 15 Sep 2022 11:00

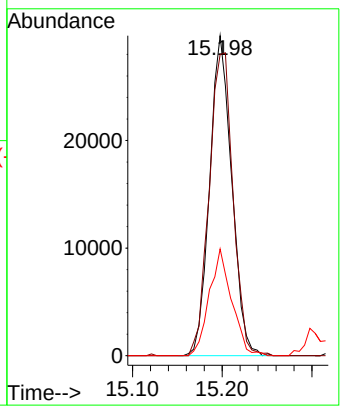
Tgt Ion:180 Resp: 5083

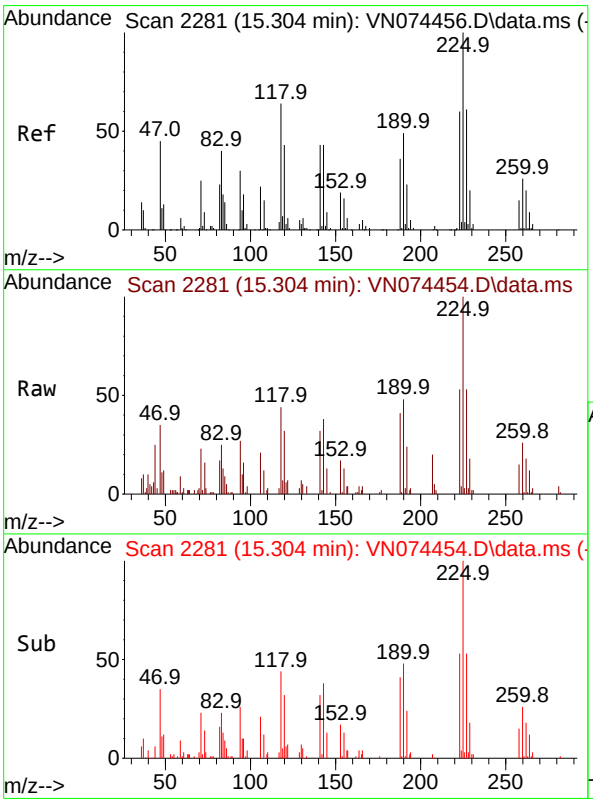
Ion	Ratio	Lower	Upper
180	100		
182	102.3	47.5	142.5
145	33.9	14.5	43.5

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :John Carlone 09/16/2022
Supervised By :Mahesh Dadoda 09/16/2022

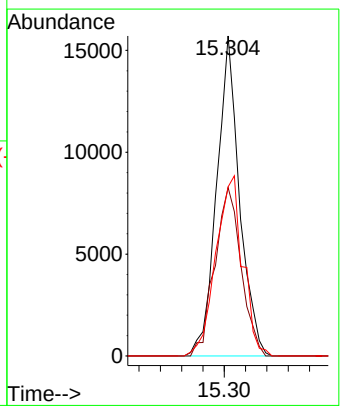


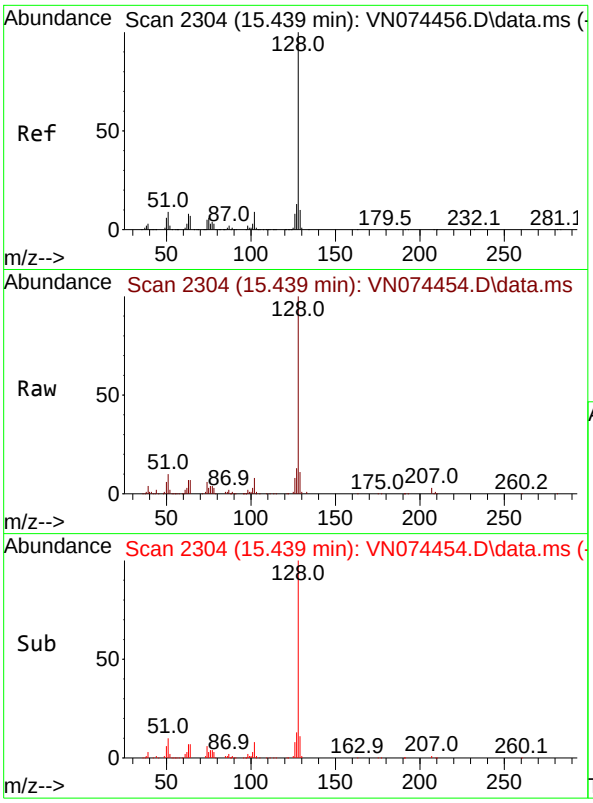


#94
Hexachlorobutadiene
Concen: 9.576 ug/l
RT: 15.304 min Scan# 2281
Delta R.T. -0.000 min
Lab File: VN074454.D
Acq: 15 Sep 2022 11:00

Tgt Ion:225 Resp: 23361

Ion	Ratio	Lower	Upper
225	100		
223	60.9	32.4	97.2
227	66.3	31.8	95.4

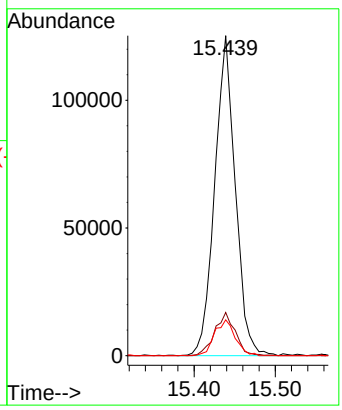




#95
Naphthalene
Concen: 9.531 ug/l
RT: 15.439 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN074454.D
Acq: 15 Sep 2022 11:00

Tgt Ion:128 Resp: 22071

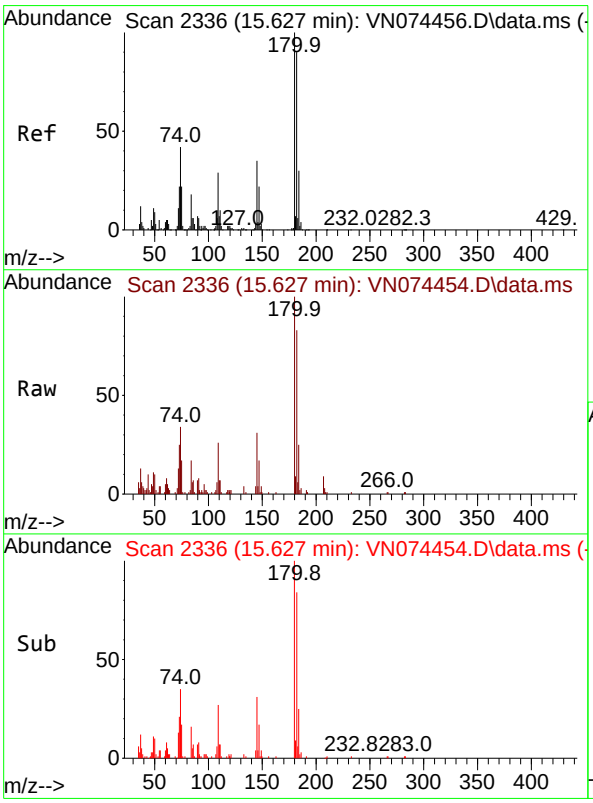
Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.3	15.5
129	11.3	8.6	13.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

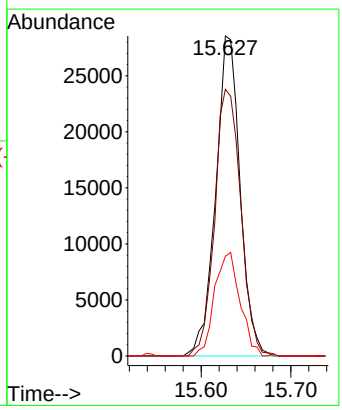
Reviewed By :John Carlone 09/16/2022
Supervised By :Mahesh Dadoda 09/16/2022



#96
1,2,3-Trichlorobenzene
Concen: 8.927 ug/l
RT: 15.627 min Scan# 2336
Delta R.T. -0.000 min
Lab File: VN074454.D
Acq: 15 Sep 2022 11:00

Tgt Ion:180 Resp: 53875

Ion	Ratio	Lower	Upper
180	100		
182	89.0	47.8	143.3
145	33.8	15.5	46.5



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091522\
Data File : VN074455.D
Acq On : 15 Sep 2022 11:24
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED
Reviewed By :John Carlone 09/16/2022
Supervised By :Mahesh Dadoda 09/16/2022

Quant Time: Sep 15 19:07:11 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 15 19:05:53 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	8.016	168	403368	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	8.898	114	793917	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.686	117	708402	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	299074	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.369	65	137506	24.320	ug/l		0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	48.640%#			
35) Dibromofluoromethane	7.951	113	105406	21.295	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	42.580%#			
50) Toluene-d8	10.380	98	405888	22.055	ug/l		0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	44.100%#			
62) 4-Bromofluorobenzene	12.669	95	139474	21.039	ug/l		0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	42.080%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.040	85	89189	23.518	ug/l		99
3) Chloromethane	2.263	50	148150	31.039	ug/l		98
4) Vinyl Chloride	2.405	62	159271	39.943	ug/l		99
5) Bromomethane	2.781	94	84408	46.142	ug/l		89
6) Chloroethane	2.946	64	107151	41.719	ug/l	#	88
7) Trichlorofluoromethane	3.304	101	174709	29.049	ug/l		97
8) Diethyl Ether	3.757	74	88349	28.931	ug/l		87
9) 1,1,2-Trichlorotrifluo...	4.140	101	110133	27.365	ug/l		91
10) Methyl Iodide	4.346	142	131764	27.717	ug/l		94
11) Tert butyl alcohol	5.287	59	223066	148.751	ug/l	#	87
12) 1,1-Dichloroethene	4.110	96	105778	26.415	ug/l		98
13) Acrolein	3.981	56	80226	133.800	ug/l		95
14) Allyl chloride	4.751	41	251206	28.647	ug/l		94
15) Acrylonitrile	5.463	53	513032	148.178	ug/l		100
16) Acetone	4.216	43	423161	134.716	ug/l		98
17) Carbon Disulfide	4.451	76	283069	27.235	ug/l		98
18) Methyl Acetate	4.769	43	283987	32.704	ug/l		90
19) Methyl tert-butyl Ether	5.534	73	461090	30.007	ug/l		97
20) Methylene Chloride	5.004	84	140021	26.485	ug/l		87
21) trans-1,2-Dichloroethene	5.516	96	116808	26.564	ug/l		97
22) Diisopropyl ether	6.404	45	514997	30.986	ug/l		94
23) Vinyl Acetate	6.345	43	2318933	151.867	ug/l	#	92
24) 1,1-Dichloroethane	6.304	63	256070	29.820	ug/l		98
25) 2-Butanone	7.257	43	746193	147.187	ug/l		91
26) 2,2-Dichloropropane	7.245	77	221132	28.861	ug/l		98
27) cis-1,2-Dichloroethene	7.251	96	139528	26.355	ug/l		82
28) Bromochloromethane	7.581	49	78877	23.781	ug/l	#	69
29) Tetrahydrofuran	7.604	42	496810	147.831	ug/l		89
30) Chloroform	7.745	83	242899	28.307	ug/l		94
31) Cyclohexane	8.022	56	241918	29.880	ug/l		91
32) 1,1,1-Trichloroethane	7.939	97	208123	27.898	ug/l		96
36) 1,1-Dichloropropene	8.145	75	177252	25.615	ug/l		96
37) Ethyl Acetate	7.334	43	282657	25.366	ug/l		98
38) Carbon Tetrachloride	8.134	117	172850	24.231	ug/l		94
39) Methylcyclohexane	9.392	83	219865	26.204	ug/l	#	88
40) Benzene	8.386	78	567644	26.019	ug/l		97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091522\
Data File : VN074455.D
Acq On : 15 Sep 2022 11:24
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 15 19:07:11 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 15 19:05:53 2022
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 09/16/2022
Supervised By :Mahesh Dadoda 09/16/2022

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.569	41	155352	29.477 ug/l	#	82
42) 1,2-Dichloroethane	8.457	62	195510	25.427 ug/l		98
43) Isopropyl Acetate	8.492	43	456089	28.411 ug/l	#	92
44) Trichloroethene	9.151	130	118107	22.158 ug/l		83
45) 1,2-Dichloropropane	9.428	63	157141	27.817 ug/l		99
46) Dibromomethane	9.510	93	96599	25.769 ug/l	#	84
47) Bromodichloromethane	9.698	83	192170	25.794 ug/l		93
48) Methyl methacrylate	9.498	41	205837	28.337 ug/l		88
49) 1,4-Dioxane	9.504	88	78484	492.620 ug/l	#	95
51) 4-Methyl-2-Pentanone	10.269	43	1491642	141.327 ug/l		91
52) Toluene	10.445	92	348079	26.097 ug/l		99
53) t-1,3-Dichloropropene	10.663	75	225603	27.775 ug/l		95
54) cis-1,3-Dichloropropene	10.128	75	238784	26.958 ug/l	#	89
55) 1,1,2-Trichloroethane	10.839	97	139904	24.081 ug/l		90
56) Ethyl methacrylate	10.704	69	259399	27.439 ug/l	#	85
57) 1,3-Dichloropropane	10.986	76	250890	25.784 ug/l		99
58) 2-Chloroethyl Vinyl ether	9.980	63	548966	131.703 ug/l		90
59) 2-Hexanone	11.028	43	1137883	139.734 ug/l		91
60) Dibromochloromethane	11.180	129	137904	25.355 ug/l		99
61) 1,2-Dibromoethane	11.286	107	135682	23.795 ug/l		98
64) Tetrachloroethene	10.916	164	91487	21.169 ug/l		92
65) Chlorobenzene	11.710	112	348529	24.540 ug/l		95
66) 1,1,1,2-Tetrachloroethane	11.780	131	125963	23.497 ug/l		95
67) Ethyl Benzene	11.786	91	659429	26.096 ug/l		99
68) m/p-Xylenes	11.892	106	496265	50.305 ug/l		96
69) o-Xylene	12.222	106	251520	25.447 ug/l		98
70) Styrene	12.233	104	410333	25.769 ug/l		97
71) Bromoform	12.398	173	95324	23.716 ug/l	#	98
73) Isopropylbenzene	12.522	105	629230	26.354 ug/l		99
74) N-amyl acetate	12.327	43	382999	30.041 ug/l	#	88
75) 1,1,2,2-Tetrachloroethane	12.769	83	243126	27.880 ug/l		99
76) 1,2,3-Trichloropropane	12.822	75	184553m	24.589 ug/l		
77) Bromobenzene	12.804	156	129784	23.291 ug/l		71
78) n-propylbenzene	12.863	91	740628	27.762 ug/l		96
79) 2-Chlorotoluene	12.945	91	440625	25.880 ug/l		97
80) 1,3,5-Trimethylbenzene	13.004	105	522664	26.683 ug/l		96
81) trans-1,4-Dichloro-2-b...	12.569	75	88911	30.678 ug/l		95
82) 4-Chlorotoluene	13.045	91	414440	25.754 ug/l		98
83) tert-Butylbenzene	13.263	119	457268	25.607 ug/l		95
84) 1,2,4-Trimethylbenzene	13.310	105	515165	26.375 ug/l		98
85) sec-Butylbenzene	13.445	105	632932	26.257 ug/l		97
86) p-Isopropyltoluene	13.557	119	492265	25.405 ug/l		96
87) 1,3-Dichlorobenzene	13.557	146	237778	23.576 ug/l		97
88) 1,4-Dichlorobenzene	13.633	146	234599	23.125 ug/l		97
89) n-Butylbenzene	13.886	91	443762	27.514 ug/l		96
90) Hexachloroethane	14.151	117	103054	27.670 ug/l		78
91) 1,2-Dichlorobenzene	13.927	146	250504	23.960 ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.545	75	51697	22.548 ug/l		82
93) 1,2,4-Trichlorobenzene	15.198	180	115452	20.435 ug/l		95
94) Hexachlorobutadiene	15.304	225	48777	19.931 ug/l		98
95) Naphthalene	15.439	128	481343	20.721 ug/l		99
96) 1,2,3-Trichlorobenzene	15.633	180	117757	19.451 ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091522\
Data File : VN074455.D
Acq On : 15 Sep 2022 11:24
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 15 19:07:11 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 15 19:05:53 2022
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 09/16/2022
Supervised By :Mahesh Dadoda 09/16/2022

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091522\
Data File : VN074455.D
Acq On : 15 Sep 2022 11:24
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 15 19:07:11 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
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Instrument :
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ClientSampleId :
VSTDICC020

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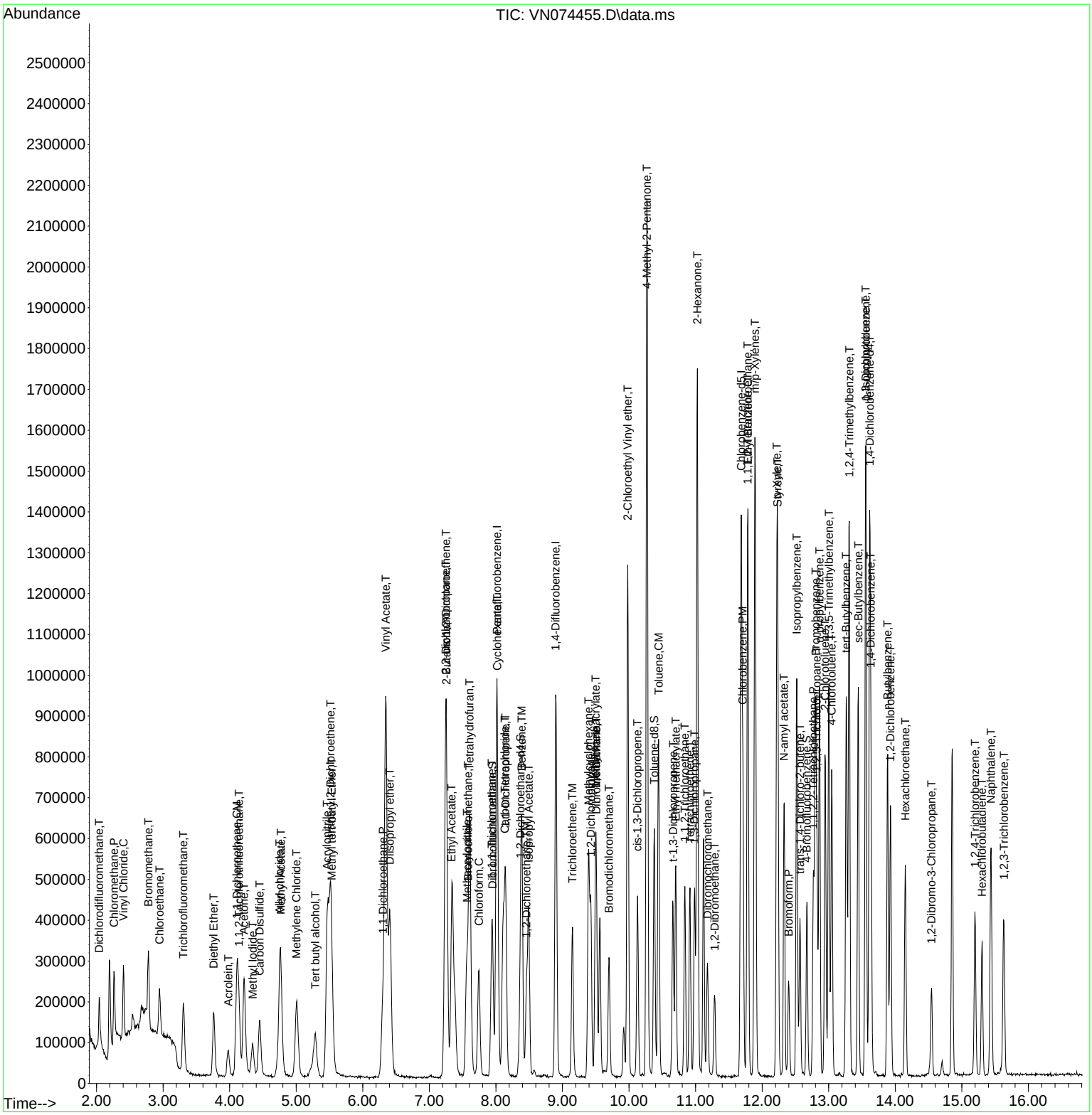
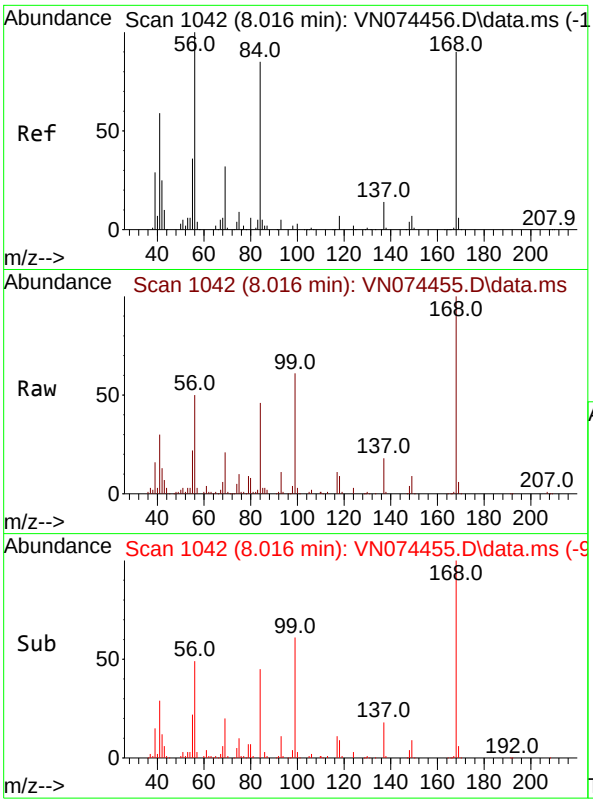
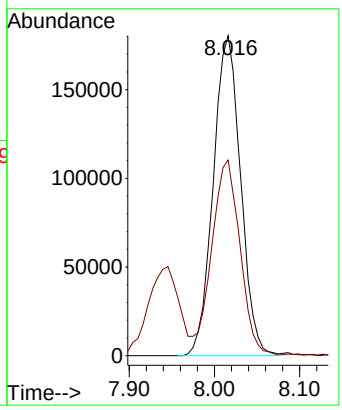




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074455.D
Acq: 15 Sep 2022 11:24

Tgt Ion:168 Resp: 40336

Ion	Ratio	Lower	Upper
168	100		
99	60.9	42.3	63.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

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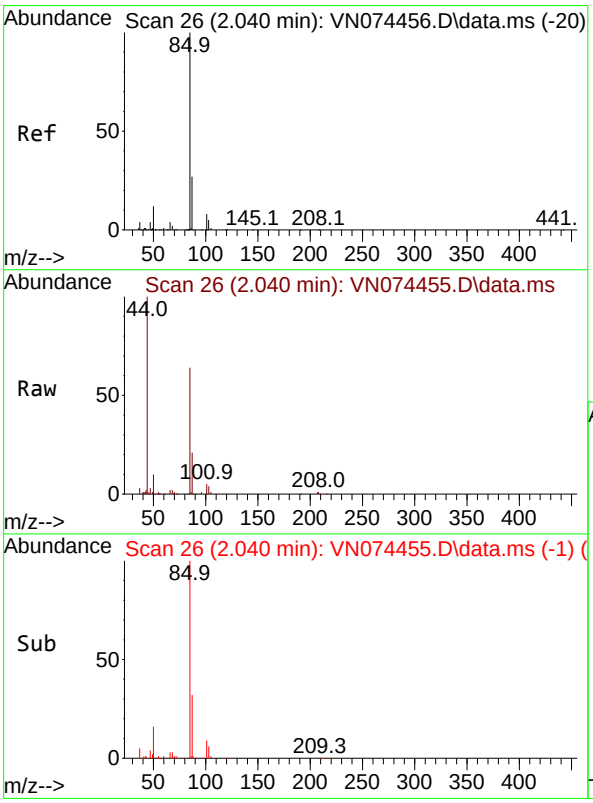
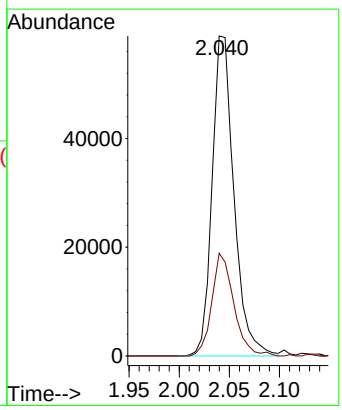
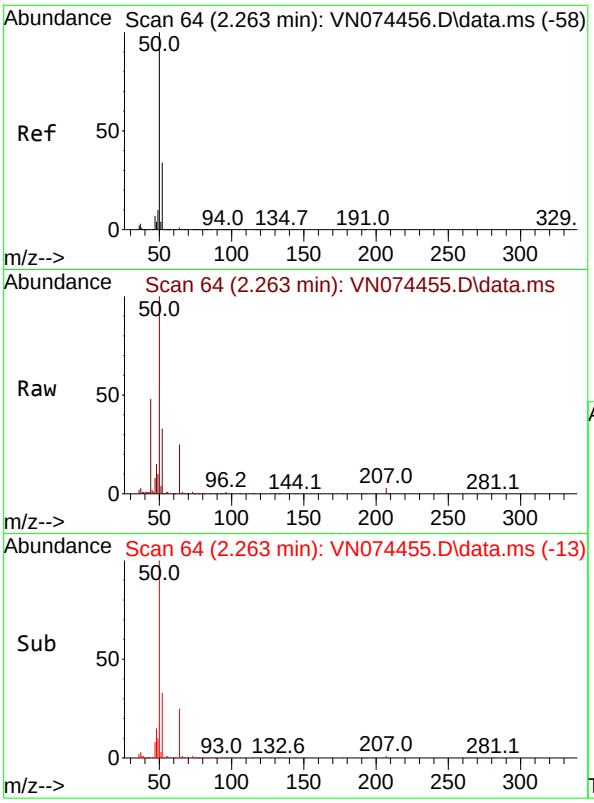


#2
Dichlorodifluoromethane
Concen: 23.518 ug/l
RT: 2.040 min Scan# 26
Delta R.T. 0.000 min
Lab File: VN074455.D
Acq: 15 Sep 2022 11:24

Tgt Ion: 85 Resp: 89189

Ion	Ratio	Lower	Upper
85	100		
87	32.1	15.7	47.1

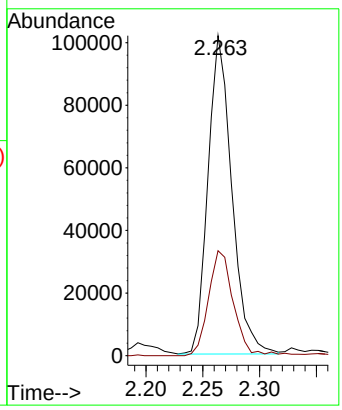




#3
Chloromethane
Concen: 31.039 ug/l
RT: 2.263 min Scan# 64
Delta R.T. 0.000 min
Lab File: VN074455.D
Acq: 15 Sep 2022 11:24

Tgt Ion: 50 Resp: 14815

Ion	Ratio	Lower	Upper
50	100		
52	33.0	25.7	38.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

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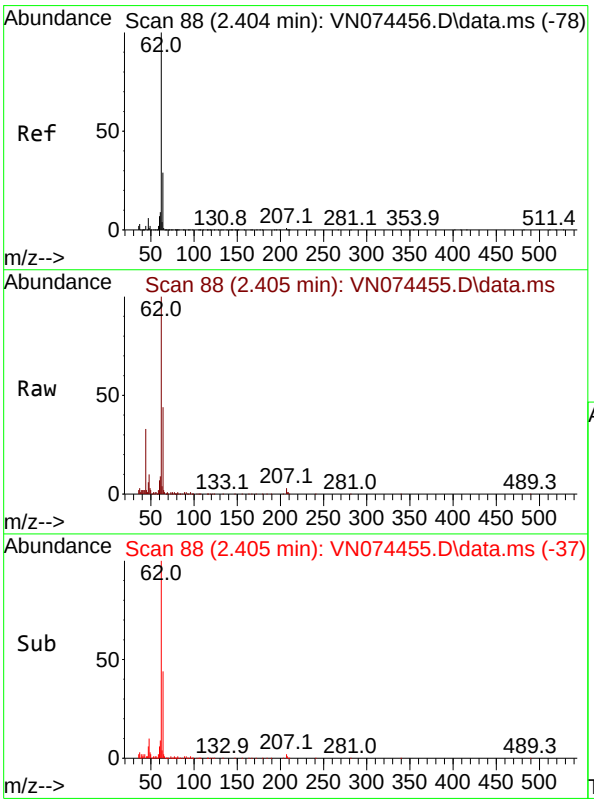
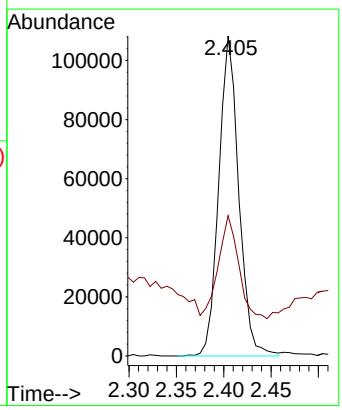
Supervised By :Mahesh Dadoda 09/16/2022

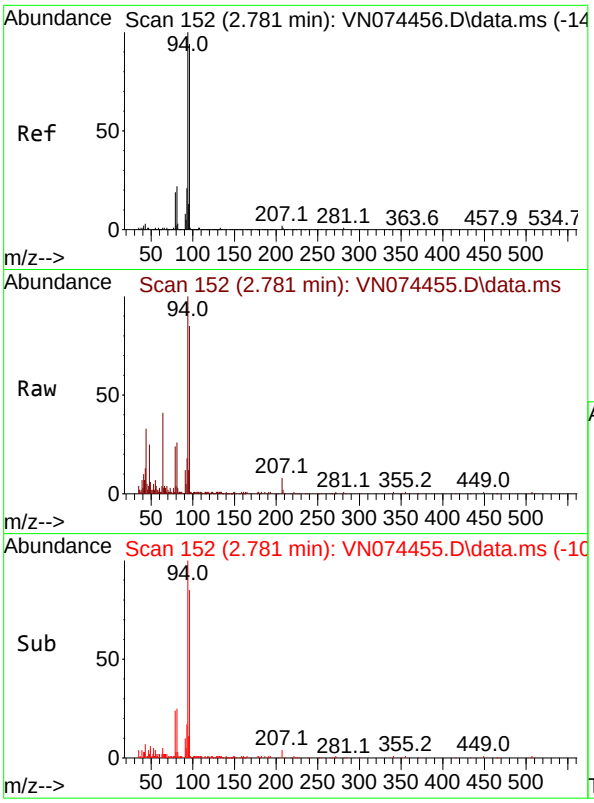


#4
Vinyl Chloride
Concen: 39.943 ug/l
RT: 2.405 min Scan# 88
Delta R.T. 0.000 min
Lab File: VN074455.D
Acq: 15 Sep 2022 11:24

Tgt Ion: 62 Resp: 159271

Ion	Ratio	Lower	Upper
62	100		
64	30.4	25.0	37.4

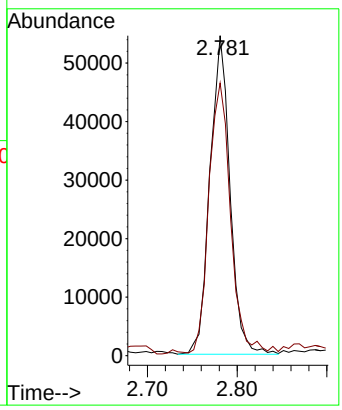




#5
Bromomethane
Concen: 46.142 ug/l
RT: 2.781 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074455.D
Acq: 15 Sep 2022 11:24

Tgt Ion: 94 Resp: 8440

Ion	Ratio	Lower	Upper
94	100		
96	84.4	76.0	114.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

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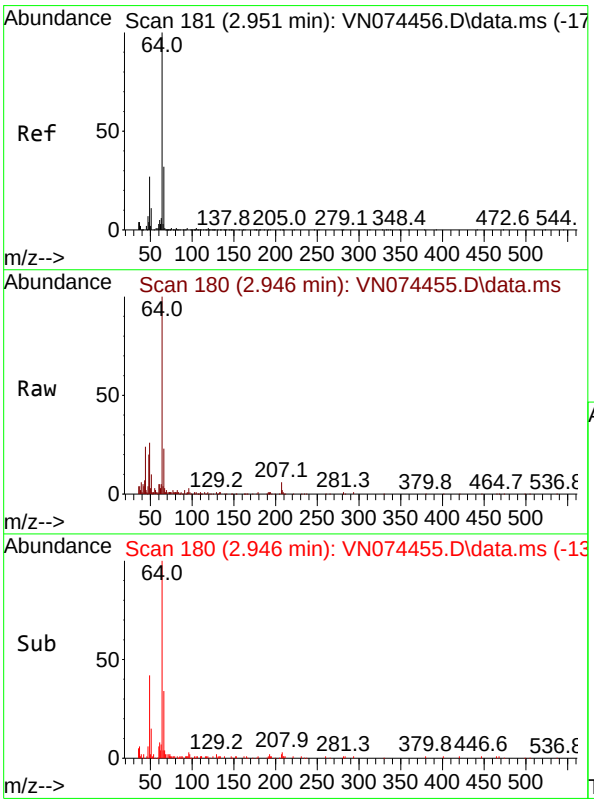
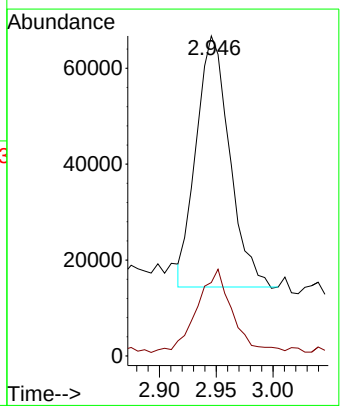
Supervised By :Mahesh Dadoda 09/16/2022

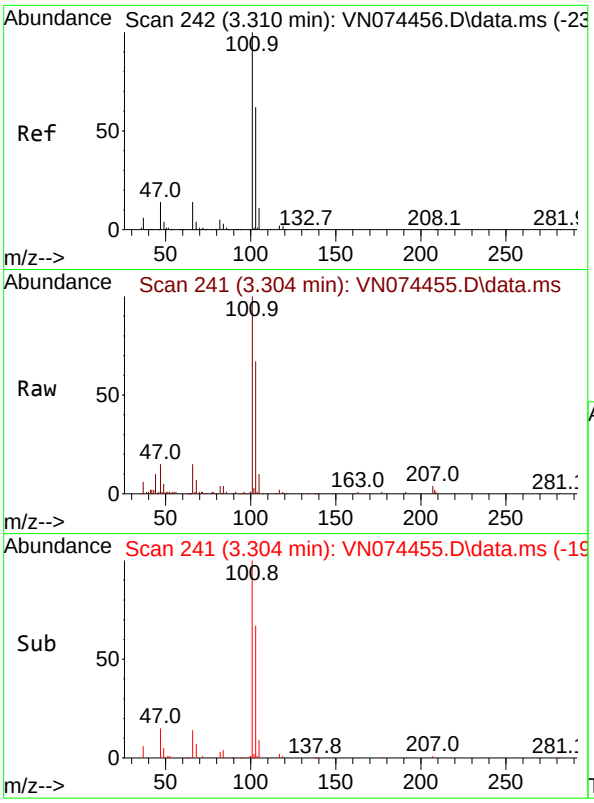


#6
Chloroethane
Concen: 41.719 ug/l
RT: 2.946 min Scan# 180
Delta R.T. -0.006 min
Lab File: VN074455.D
Acq: 15 Sep 2022 11:24

Tgt Ion: 64 Resp: 107151

Ion	Ratio	Lower	Upper
64	100		
66	26.2	26.2	39.4#

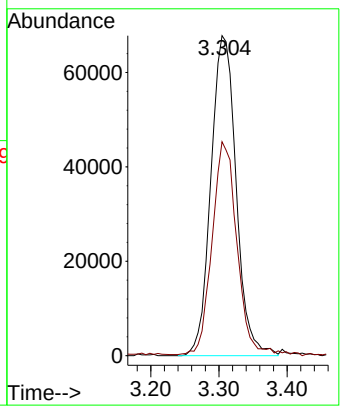




#7
Trichlorofluoromethane
Concen: 29.049 ug/l
RT: 3.304 min Scan# 24
Delta R.T. -0.006 min
Lab File: VN074455.D
Acq: 15 Sep 2022 11:24

Tgt Ion:101 Resp: 174709

Ion	Ratio	Lower	Upper
101	100		
103	66.5	51.5	77.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

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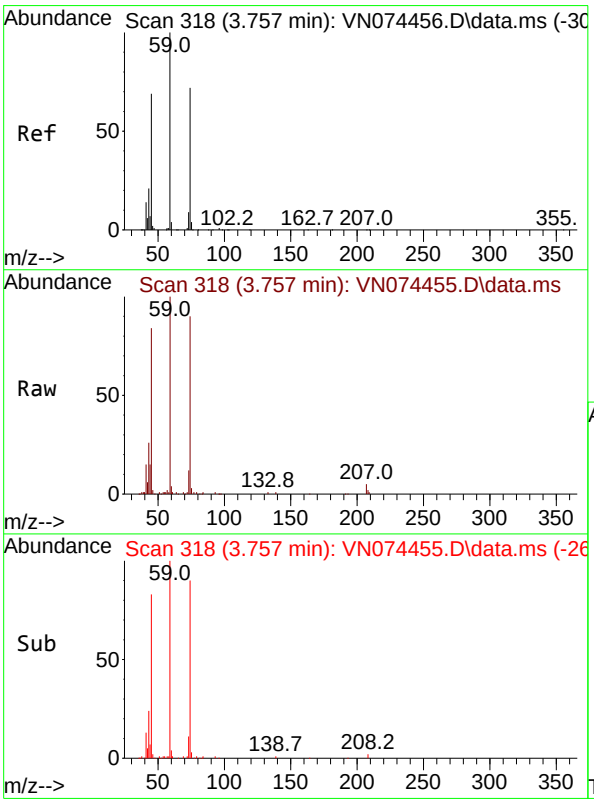
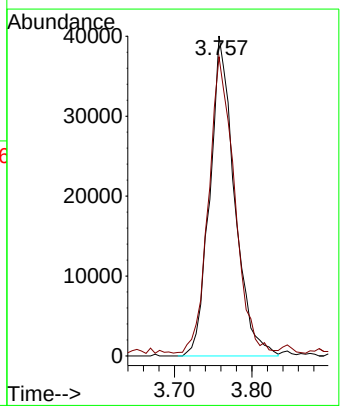
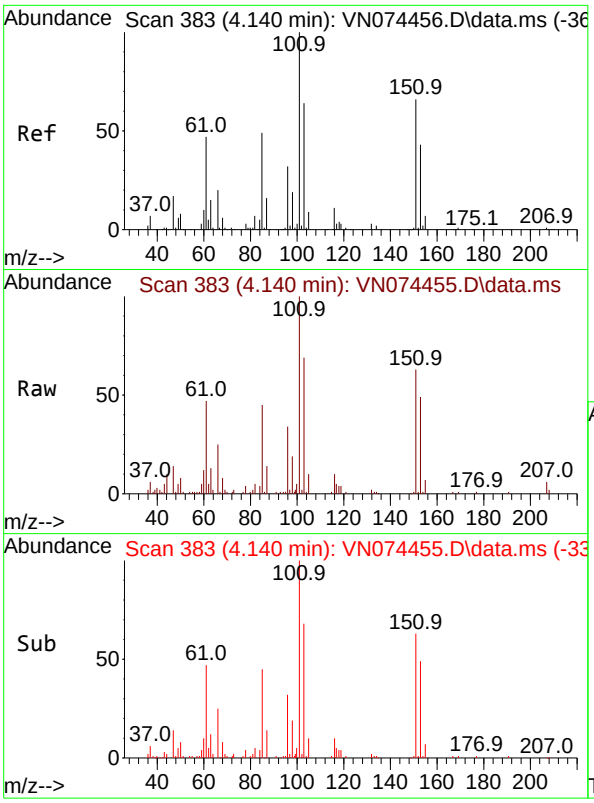


#8
Diethyl Ether
Concen: 28.931 ug/l
RT: 3.757 min Scan# 318
Delta R.T. 0.000 min
Lab File: VN074455.D
Acq: 15 Sep 2022 11:24

Tgt Ion: 74 Resp: 88349

Ion	Ratio	Lower	Upper
74	100		
45	97.2	42.9	128.5

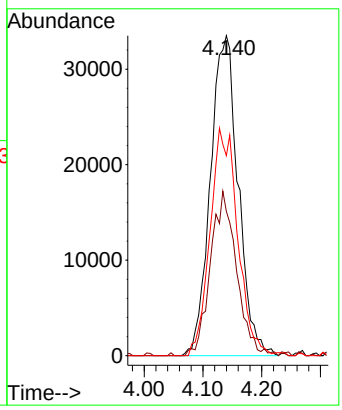




#9
1,1,2-Trichlorotrifluoroethane
Concen: 27.365 ug/l
RT: 4.140 min Scan# 3
Delta R.T. 0.000 min
Lab File: VN074455.D
Acq: 15 Sep 2022 11:24

Tgt Ion:101 Resp: 11013

Ion	Ratio	Lower	Upper
101	100		
85	48.1	34.7	52.1
151	70.4	63.0	94.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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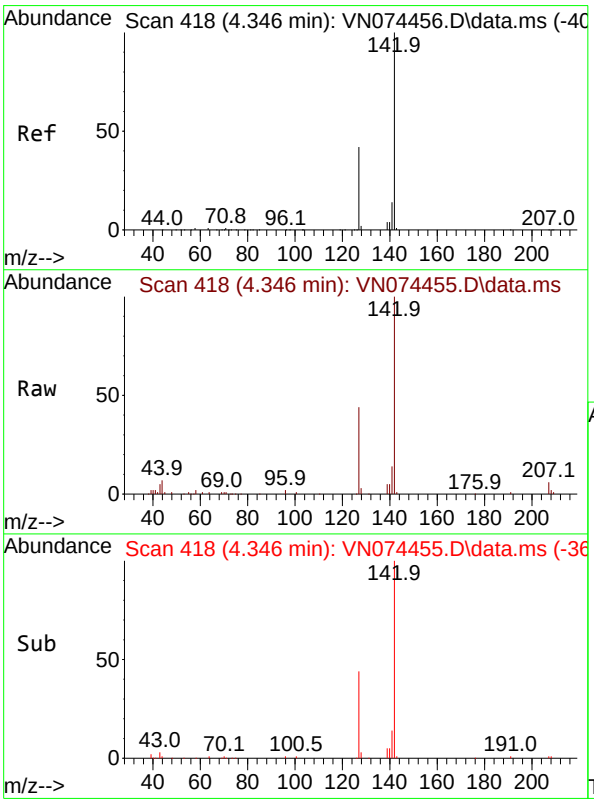
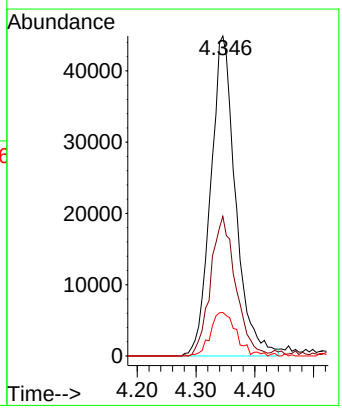
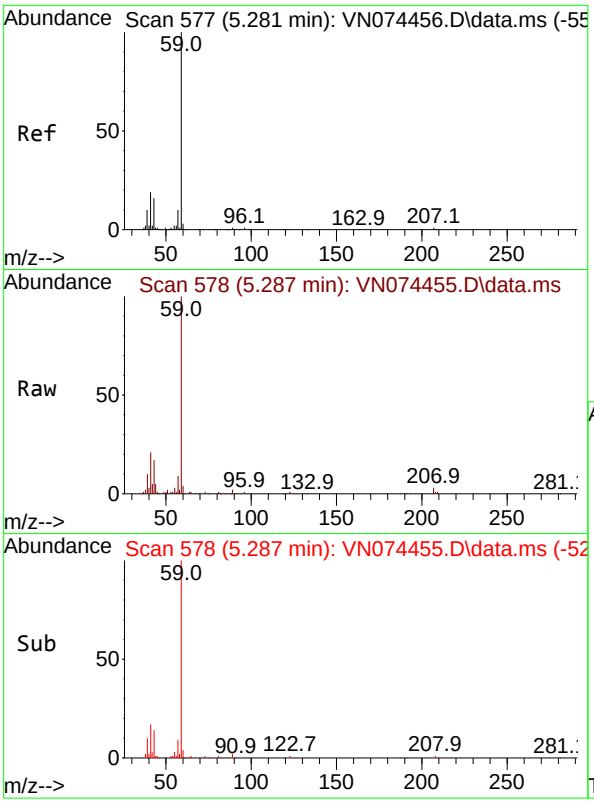


#10
Methyl Iodide
Concen: 27.717 ug/l
RT: 4.346 min Scan# 418
Delta R.T. 0.000 min
Lab File: VN074455.D
Acq: 15 Sep 2022 11:24

Tgt Ion:142 Resp: 131764

Ion	Ratio	Lower	Upper
142	100		
127	44.1	31.3	46.9
141	13.9	11.2	16.8

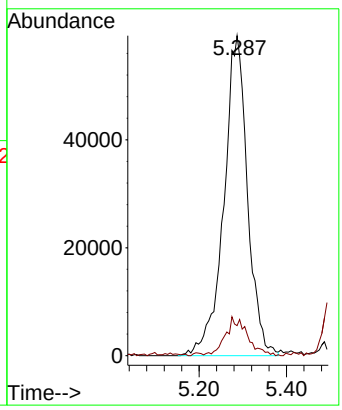




#11
Tert butyl alcohol
Concen: 148.751 ug/l
RT: 5.287 min Scan# 5
Delta R.T. 0.006 min
Lab File: VN074455.D
Acq: 15 Sep 2022 11:24

Tgt Ion: 59 Resp: 22306

Ion	Ratio	Lower	Upper
59	100		
57	5.7	8.3	12.5#



Instrument :
MSVOA_N
ClientSampleId :
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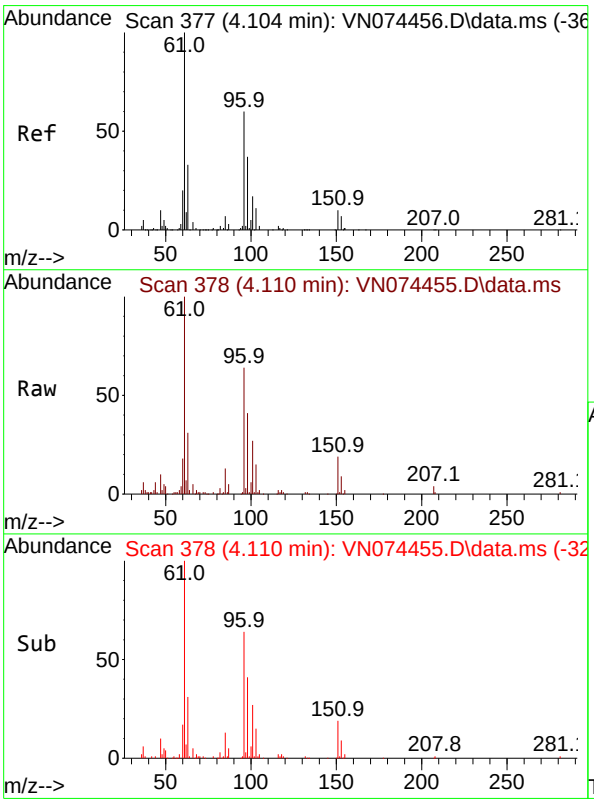
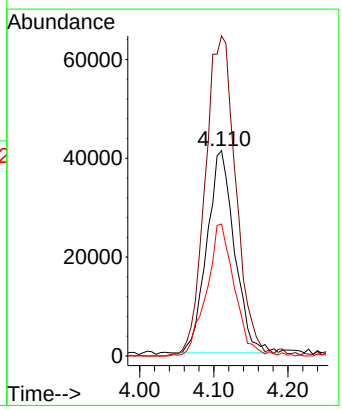
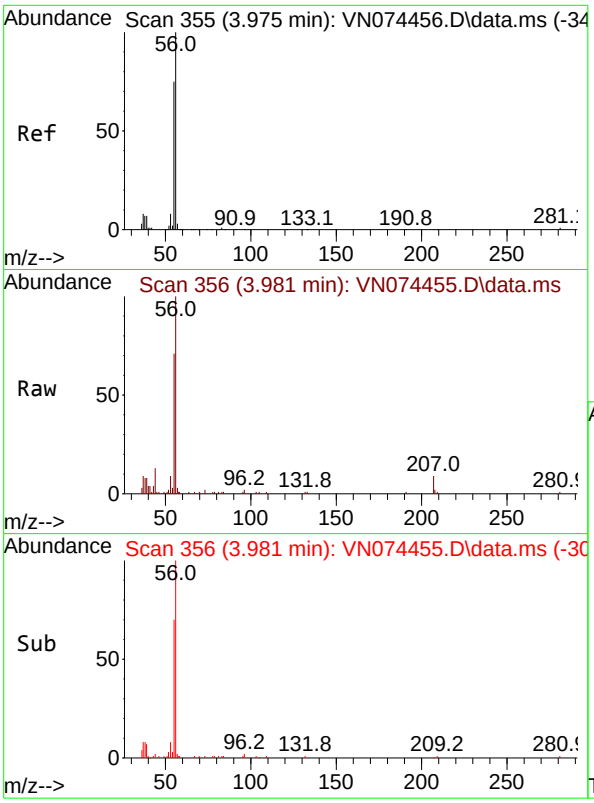


#12
1,1-Dichloroethene
Concen: 26.415 ug/l
RT: 4.110 min Scan# 378
Delta R.T. 0.006 min
Lab File: VN074455.D
Acq: 15 Sep 2022 11:24

Tgt Ion: 96 Resp: 105778

Ion	Ratio	Lower	Upper
96	100		
61	157.2	127.6	191.4
98	64.9	51.2	76.8

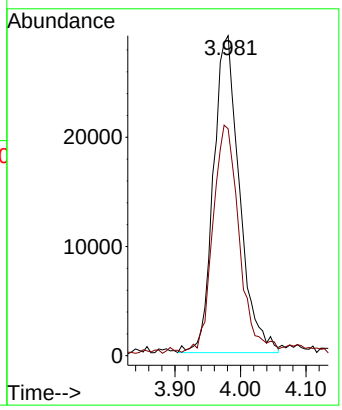




#13
Acrolein
Concen: 133.800 ug/l
RT: 3.981 min Scan# 3
Delta R.T. 0.006 min
Lab File: VN074455.D
Acq: 15 Sep 2022 11:24

Tgt Ion: 56 Resp: 8022

Ion	Ratio	Lower	Upper
56	100		
55	72.2	54.8	82.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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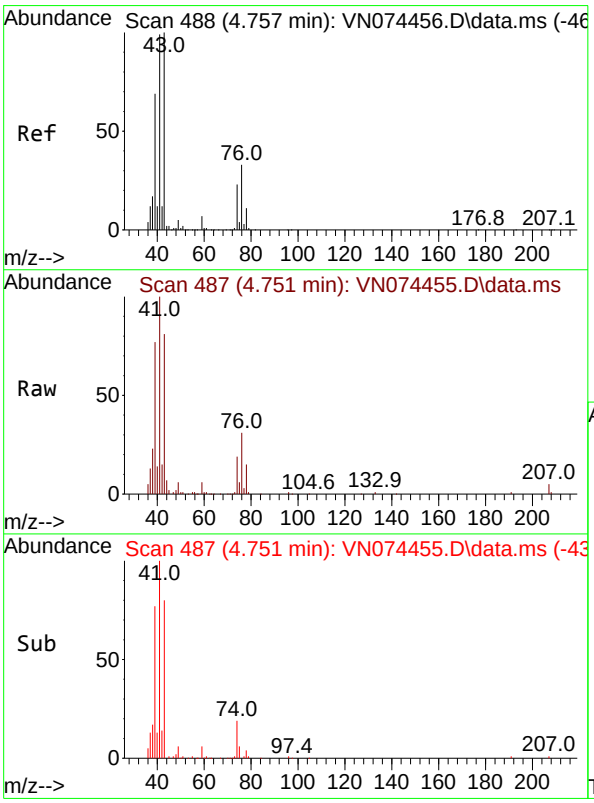
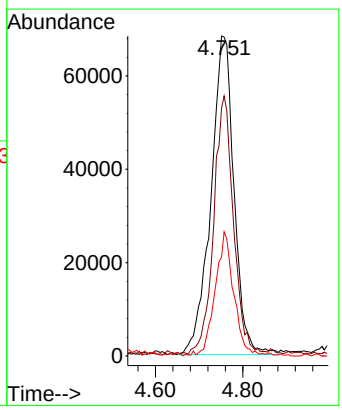
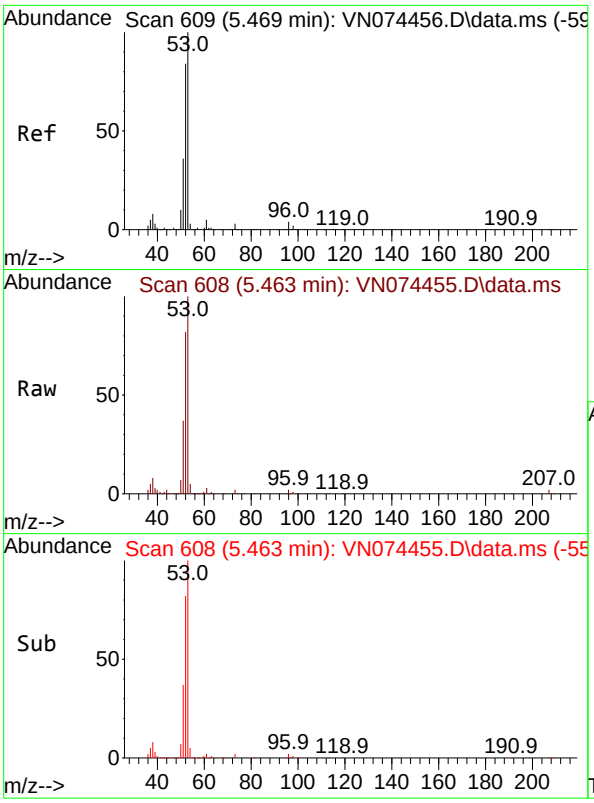


#14
Allyl chloride
Concen: 28.647 ug/l
RT: 4.751 min Scan# 487
Delta R.T. -0.006 min
Lab File: VN074455.D
Acq: 15 Sep 2022 11:24

Tgt Ion: 41 Resp: 251206

Ion	Ratio	Lower	Upper
41	100		
39	69.1	53.2	79.8
76	30.1	29.9	44.9





#15
Acrylonitrile
Concen: 148.178 ug/l
RT: 5.463 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN074455.D
Acq: 15 Sep 2022 11:24

Tgt Ion: 53 Resp: 51303

Ion	Ratio	Lower	Upper
53	100		
52	83.4	66.4	99.6
51	36.0	28.5	42.7

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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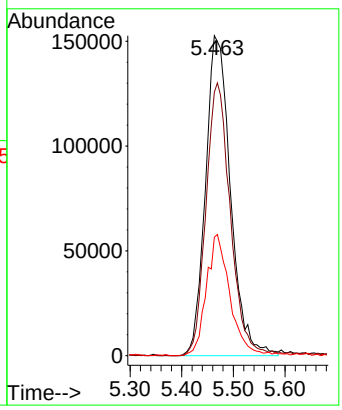
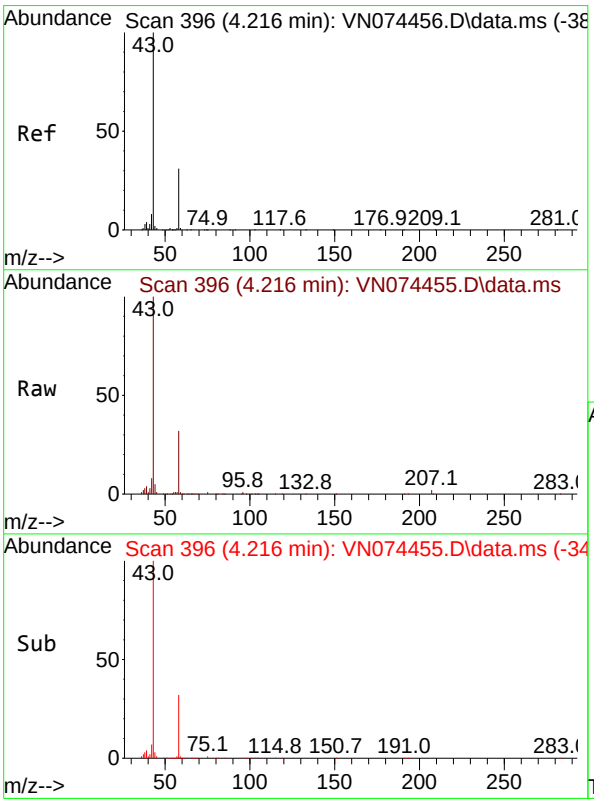
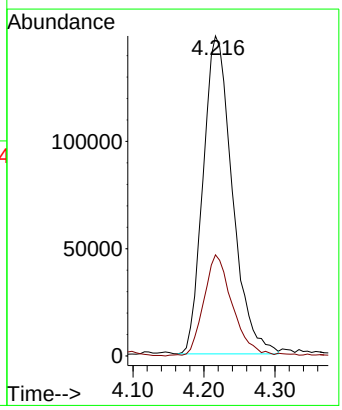


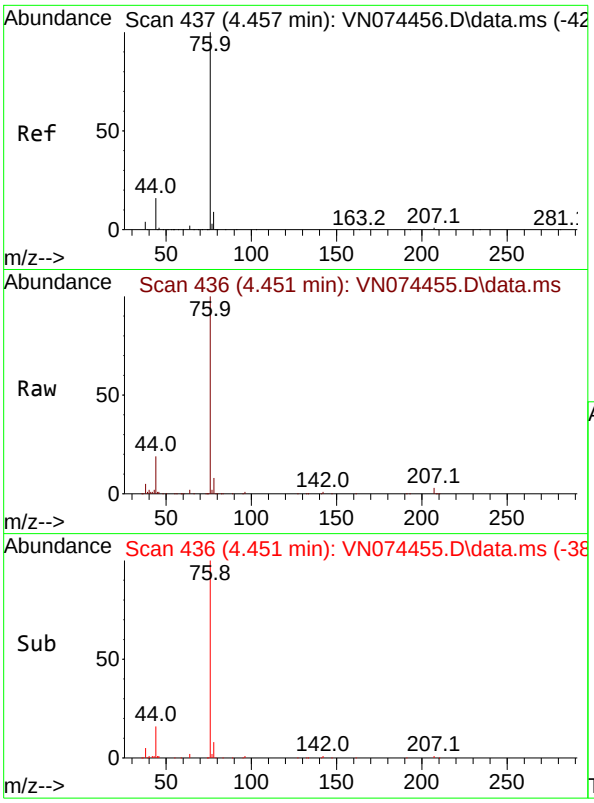


#16
Acetone
Concen: 134.716 ug/l
RT: 4.216 min Scan# 396
Delta R.T. 0.000 min
Lab File: VN074455.D
Acq: 15 Sep 2022 11:24

Tgt Ion: 43 Resp: 423161

Ion	Ratio	Lower	Upper
43	100		
58	31.4	26.0	39.0

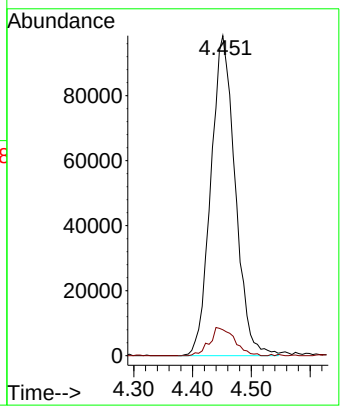




#17
Carbon Disulfide
Concen: 27.235 ug/l
RT: 4.451 min Scan# 4
Delta R.T. -0.006 min
Lab File: VN074455.D
Acq: 15 Sep 2022 11:24

Tgt Ion: 76 Resp: 28306

Ion	Ratio	Lower	Upper
76	100		
78	8.1	7.2	10.8



Instrument :
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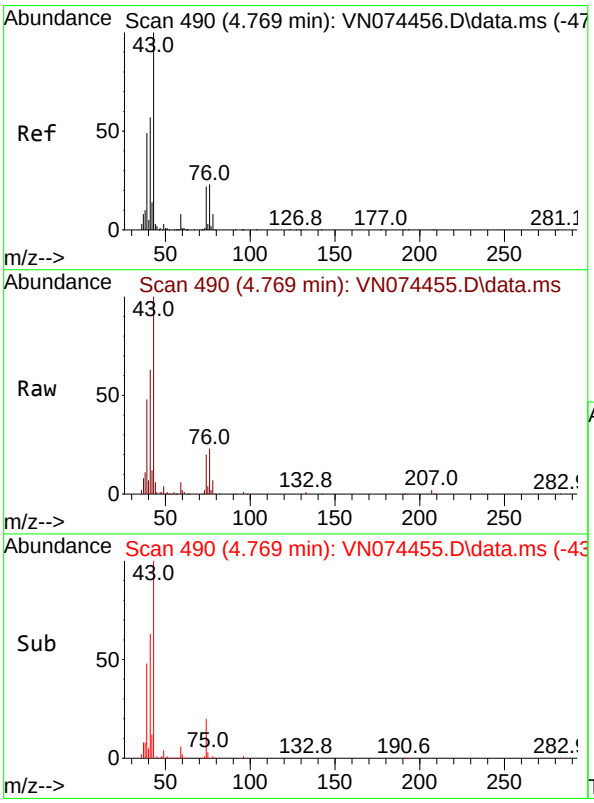
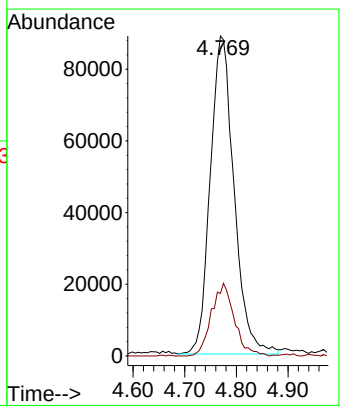
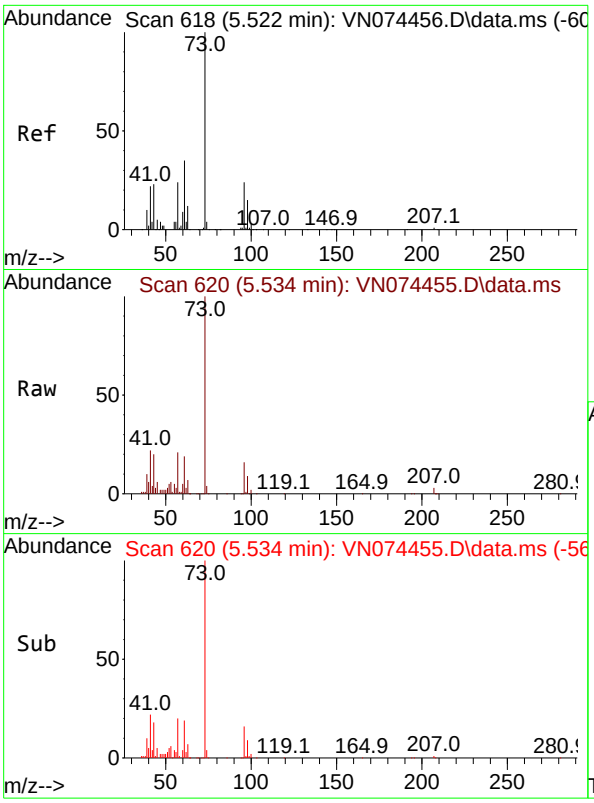


#18
Methyl Acetate
Concen: 32.704 ug/l
RT: 4.769 min Scan# 490
Delta R.T. 0.000 min
Lab File: VN074455.D
Acq: 15 Sep 2022 11:24

Tgt Ion: 43 Resp: 283987

Ion	Ratio	Lower	Upper
43	100		
74	22.0	21.6	32.4

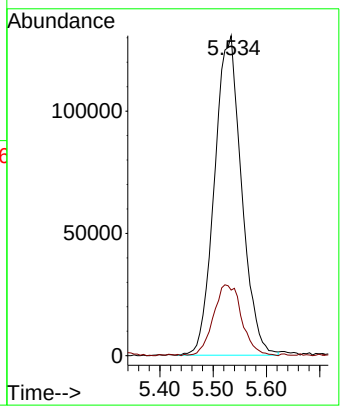




#19
Methyl tert-butyl Ether
Concen: 30.007 ug/l
RT: 5.534 min Scan# 6
Delta R.T. 0.012 min
Lab File: VN074455.D
Acq: 15 Sep 2022 11:24

Tgt Ion: 73 Resp: 46109

Ion	Ratio	Lower	Upper
73	100		
57	20.5	17.6	26.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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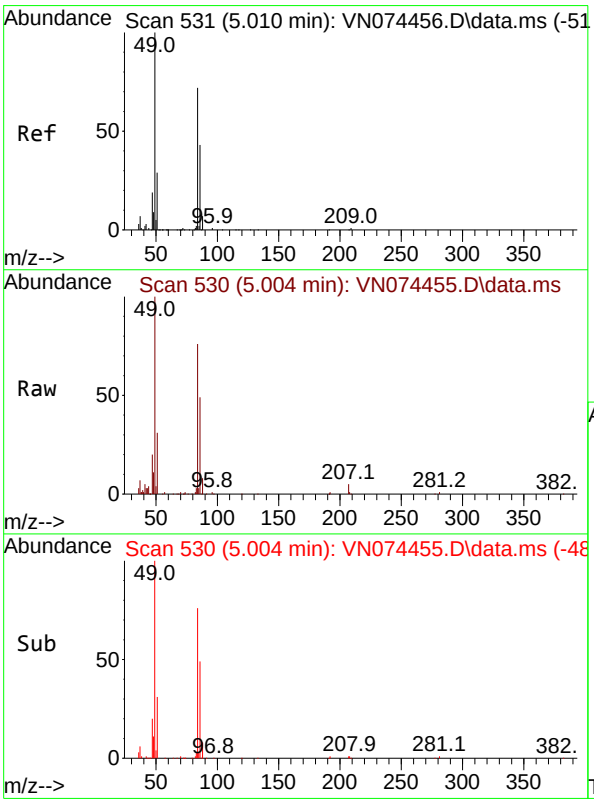
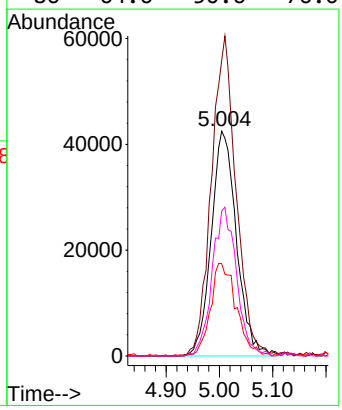
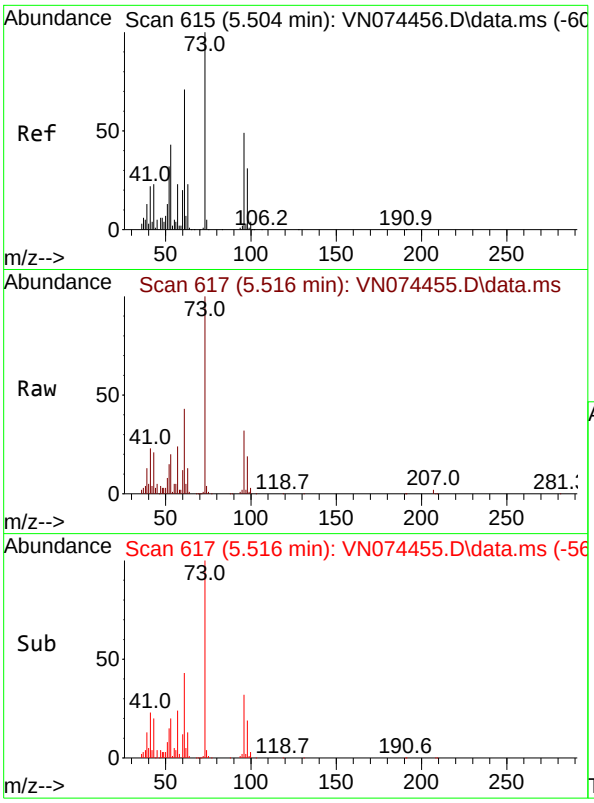


#20
Methylene Chloride
Concen: 26.485 ug/l
RT: 5.004 min Scan# 530
Delta R.T. -0.006 min
Lab File: VN074455.D
Acq: 15 Sep 2022 11:24

Tgt Ion: 84 Resp: 140021

Ion	Ratio	Lower	Upper
84	100		
49	131.5	88.3	132.5
51	40.7	28.2	42.2
86	64.6	50.6	76.0

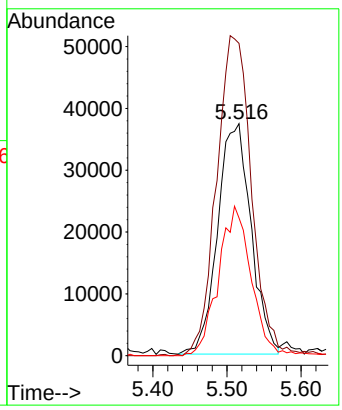




#21
trans-1,2-Dichloroethene
Concen: 26.564 ug/l
RT: 5.516 min Scan# 6
Delta R.T. 0.012 min
Lab File: VN074455.D
Acq: 15 Sep 2022 11:24

Tgt Ion: 96 Resp: 11680

Ion	Ratio	Lower	Upper
96	100		
61	135.0	105.8	158.8
98	59.8	50.3	75.5



Instrument :
MSVOA_N
ClientSampleId :
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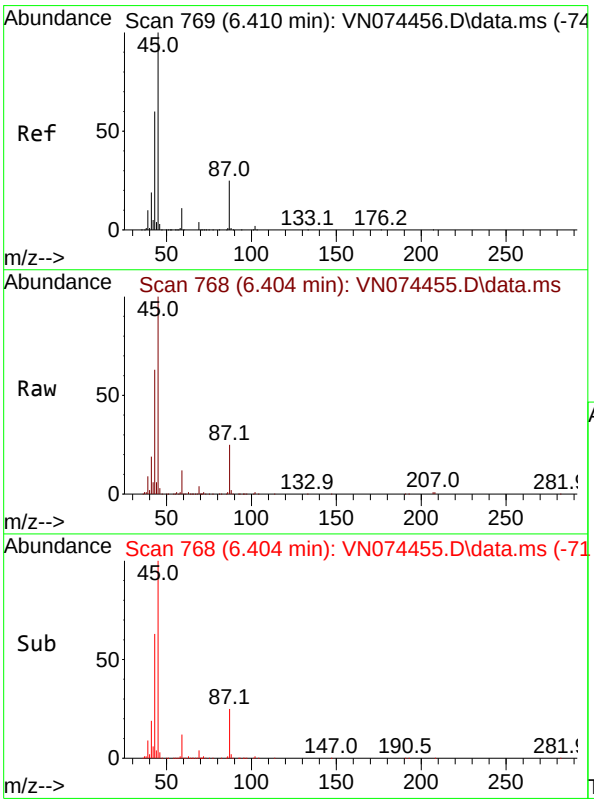
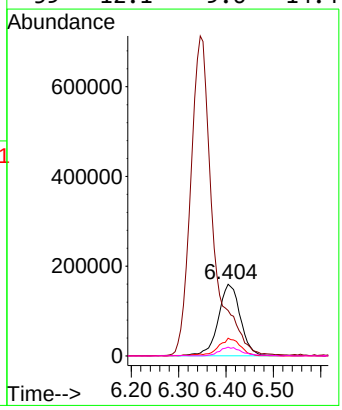
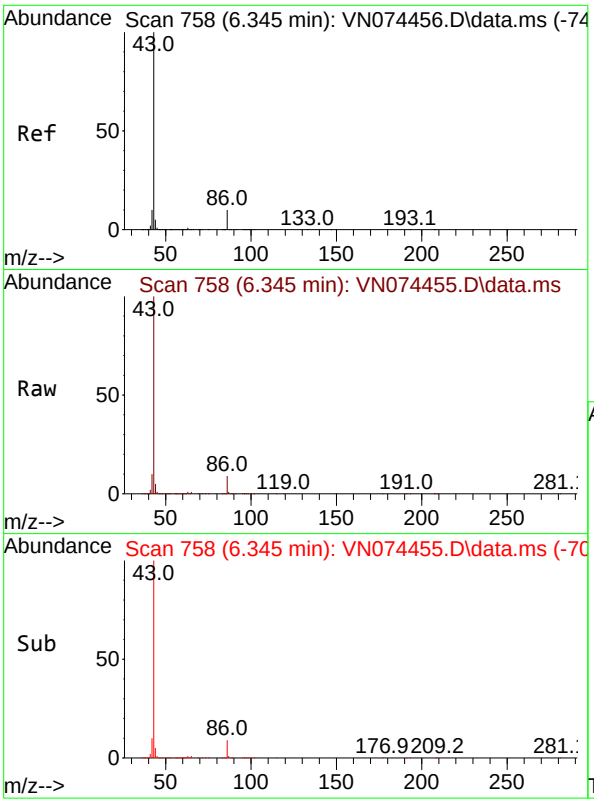


#22
Diisopropyl ether
Concen: 30.986 ug/l
RT: 6.404 min Scan# 768
Delta R.T. -0.006 min
Lab File: VN074455.D
Acq: 15 Sep 2022 11:24

Tgt Ion: 45 Resp: 514997

Ion	Ratio	Lower	Upper
45	100		
43	61.6	46.6	70.0
87	24.7	24.3	36.5
59	12.1	9.6	14.4

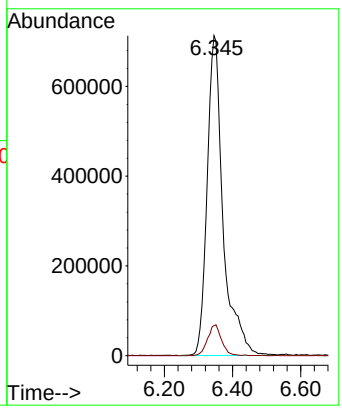




#23
Vinyl Acetate
Concen: 151.867 ug/l
RT: 6.345 min Scan# 7
Delta R.T. 0.000 min
Lab File: VN074455.D
Acq: 15 Sep 2022 11:24

Tgt Ion: 43 Resp: 231893

Ion	Ratio	Lower	Upper
43	100		
86	9.4	10.0	15.0#



Instrument :
MSVOA_N
ClientSampleId :
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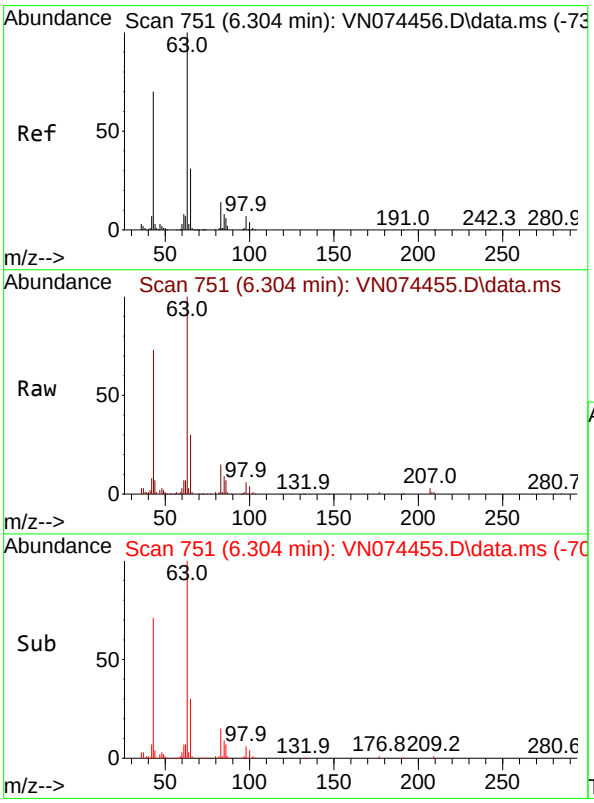
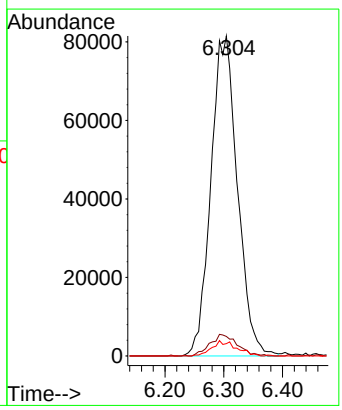
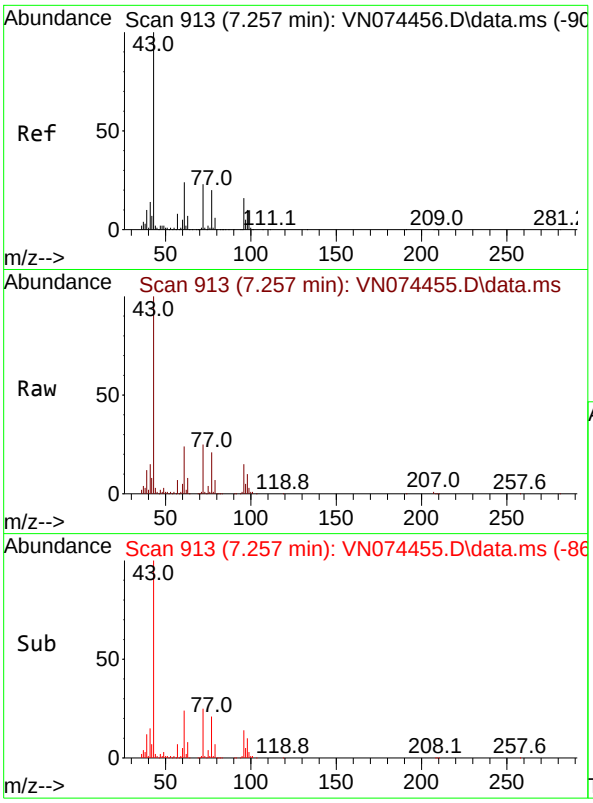


#24
1,1-Dichloroethane
Concen: 29.820 ug/l
RT: 6.304 min Scan# 751
Delta R.T. 0.000 min
Lab File: VN074455.D
Acq: 15 Sep 2022 11:24

Tgt Ion: 63 Resp: 256070

Ion	Ratio	Lower	Upper
63	100		
98	6.1	3.5	10.4
100	3.9	2.3	6.8

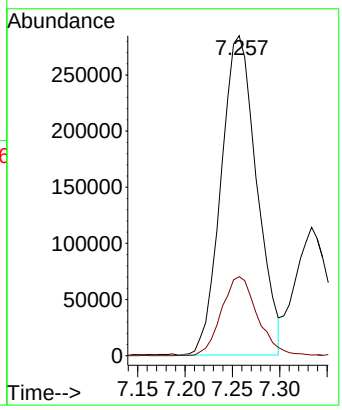




#25
2-Butanone
Concen: 147.187 ug/l
RT: 7.257 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN074455.D
Acq: 15 Sep 2022 11:24

Tgt Ion: 43 Resp: 74619

Ion	Ratio	Lower	Upper
43	100		
72	24.7	23.7	35.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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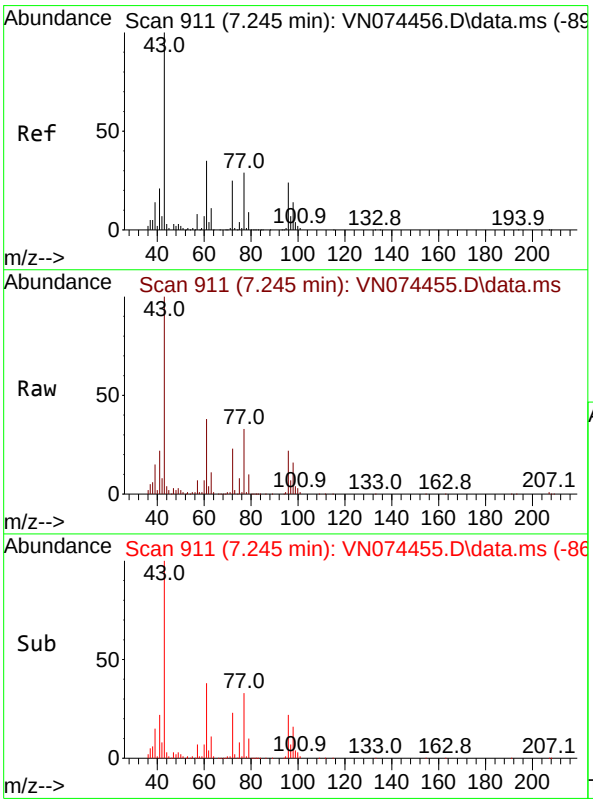
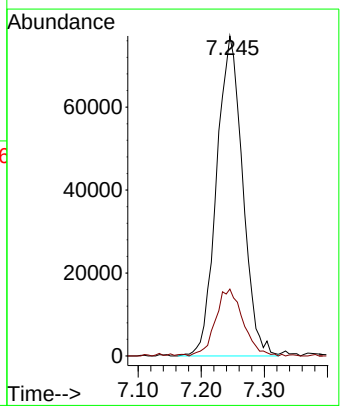
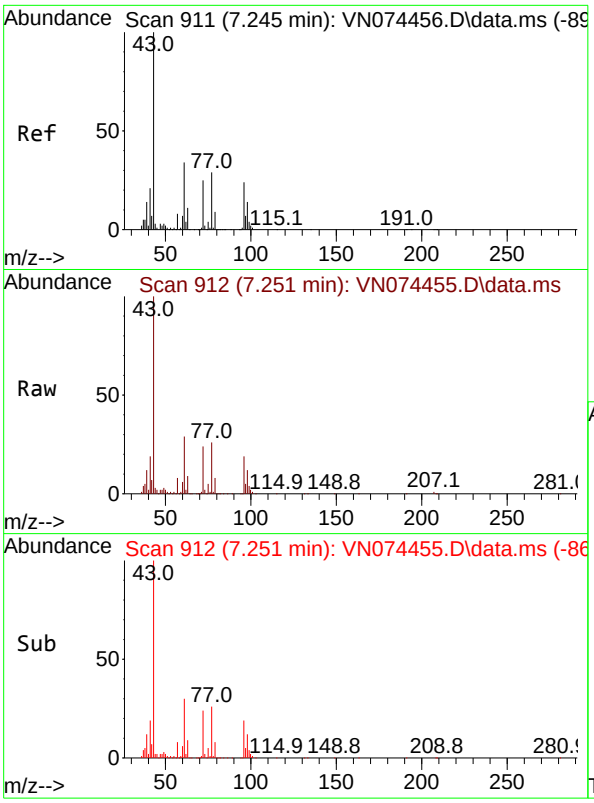


#26
2,2-Dichloropropane
Concen: 28.861 ug/l
RT: 7.245 min Scan# 911
Delta R.T. 0.000 min
Lab File: VN074455.D
Acq: 15 Sep 2022 11:24

Tgt Ion: 77 Resp: 221132

Ion	Ratio	Lower	Upper
77	100		
97	22.0	11.4	34.2

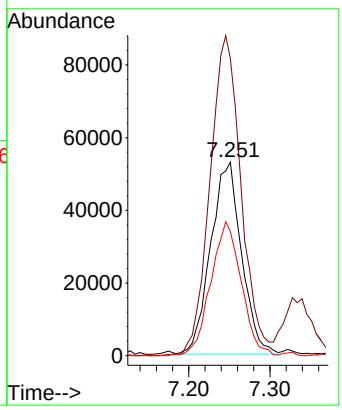




#27
cis-1,2-Dichloroethene
Concen: 26.355 ug/l
RT: 7.251 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN074455.D
Acq: 15 Sep 2022 11:24

Tgt Ion: 96 Resp: 13952

Ion	Ratio	Lower	Upper
96	100		
61	168.4	0.0	280.6
98	69.1	0.0	128.4



Instrument :
MSVOA_N
ClientSampleId :
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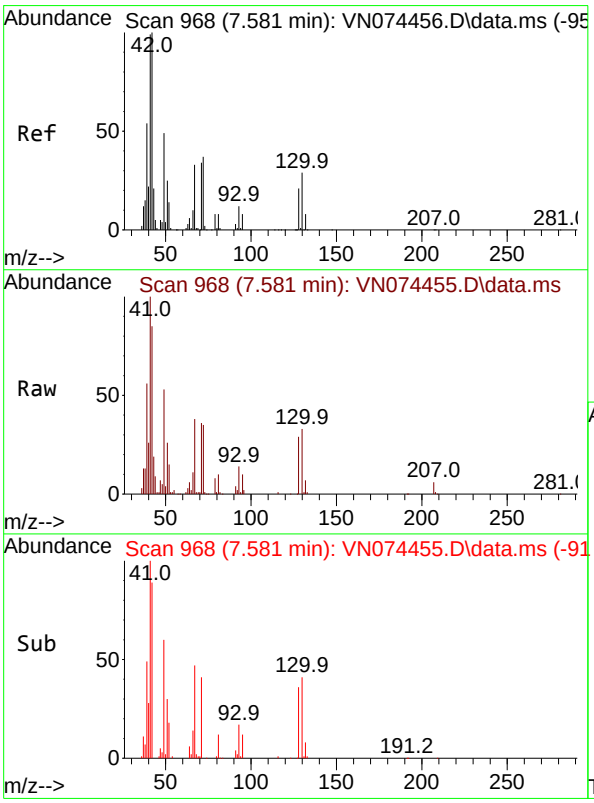
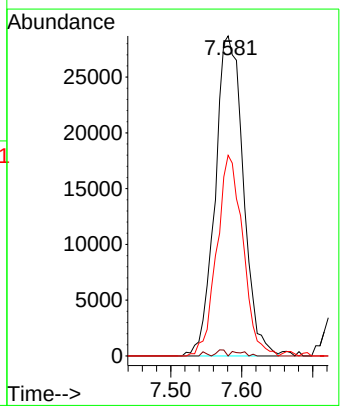
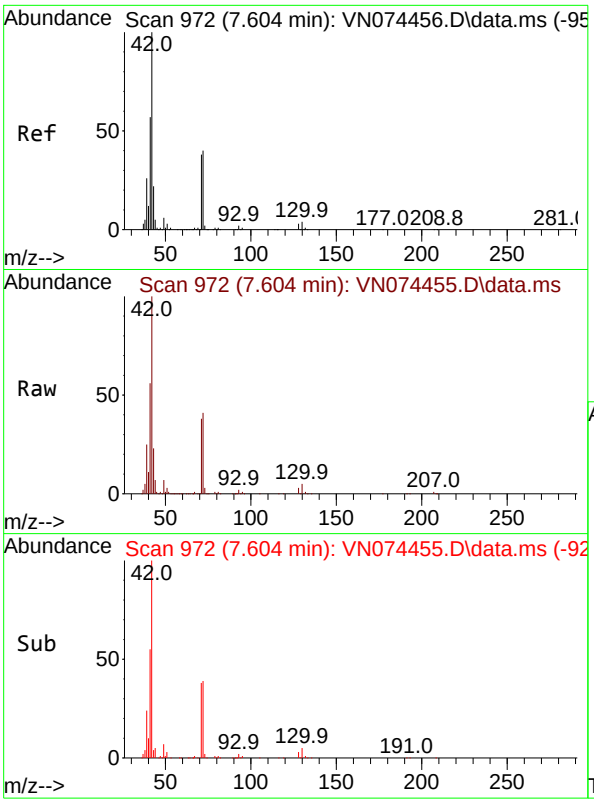


#28
Bromochloromethane
Concen: 23.781 ug/l
RT: 7.581 min Scan# 968
Delta R.T. 0.000 min
Lab File: VN074455.D
Acq: 15 Sep 2022 11:24

Tgt Ion: 49 Resp: 78877

Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	4.6
130	58.2	69.7	104.5#

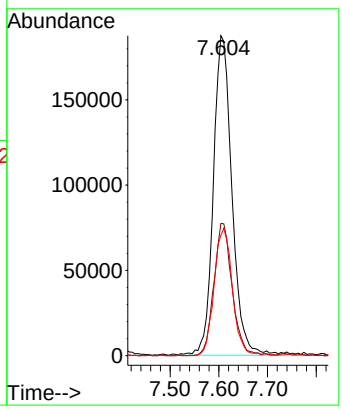




#29
Tetrahydrofuran
Concen: 147.831 ug/l
RT: 7.604 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN074455.D
Acq: 15 Sep 2022 11:24

Tgt Ion: 42 Resp: 49681

Ion	Ratio	Lower	Upper
42	100		
72	40.9	39.7	59.5
71	39.5	36.6	55.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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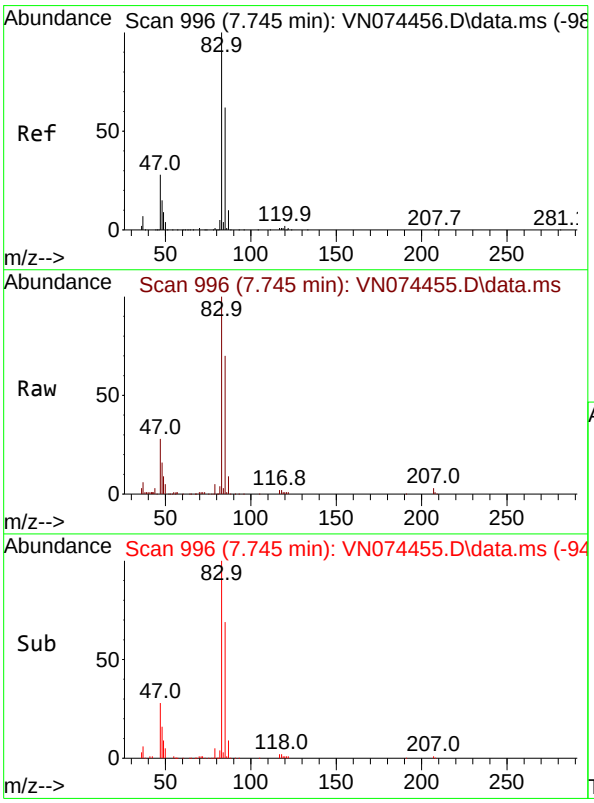
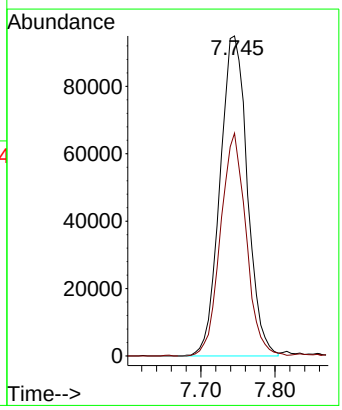
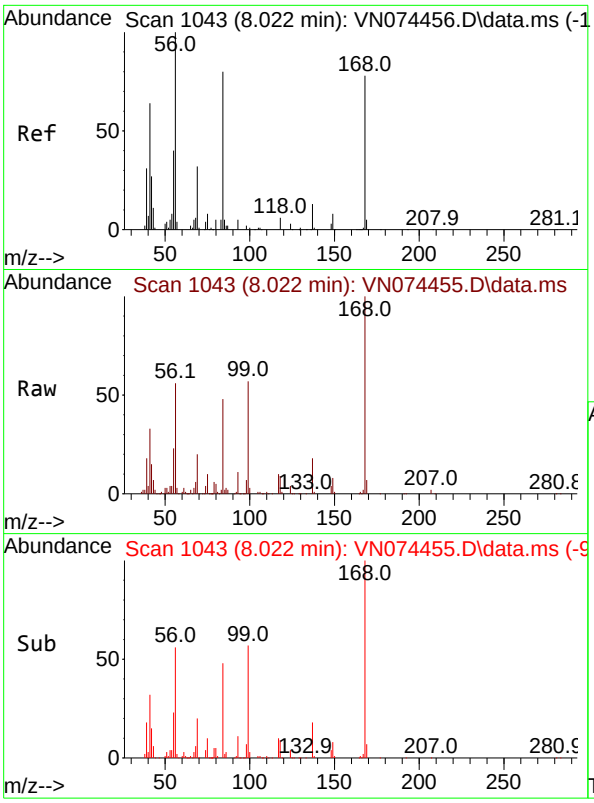


#30
Chloroform
Concen: 28.307 ug/l
RT: 7.745 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN074455.D
Acq: 15 Sep 2022 11:24

Tgt Ion: 83 Resp: 242899

Ion	Ratio	Lower	Upper
83	100		
85	69.6	51.8	77.8

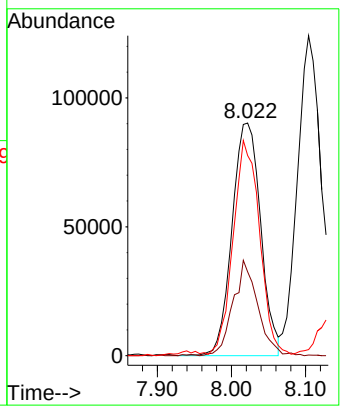




#31
Cyclohexane
Concen: 29.880 ug/l
RT: 8.022 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074455.D
Acq: 15 Sep 2022 11:24

Tgt Ion: 56 Resp: 24191

Ion	Ratio	Lower	Upper
56	100		
69	35.5	27.8	41.8
84	85.2	76.9	115.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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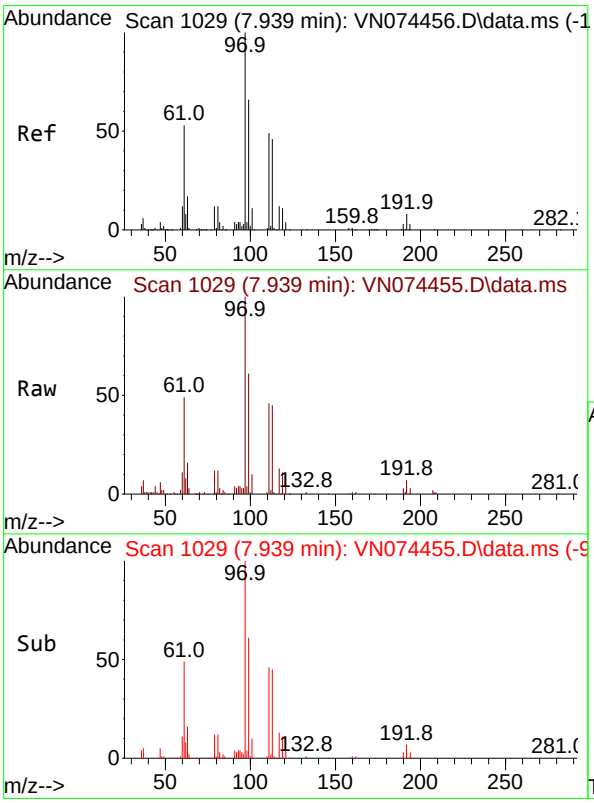
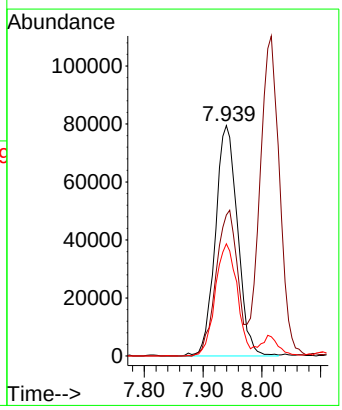
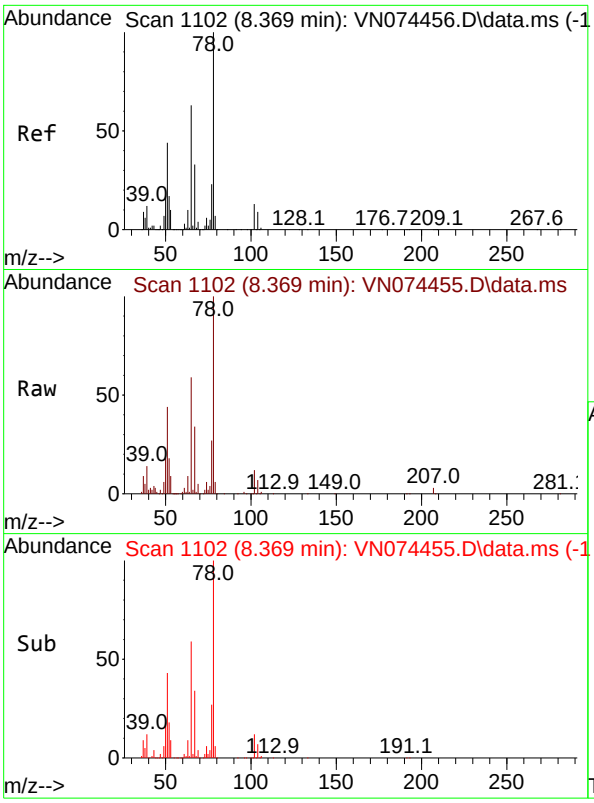


#32
1,1,1-Trichloroethane
Concen: 27.898 ug/l
RT: 7.939 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VN074455.D
Acq: 15 Sep 2022 11:24

Tgt Ion: 97 Resp: 208123

Ion	Ratio	Lower	Upper
97	100		
99	62.1	50.6	76.0
61	49.2	36.0	54.0

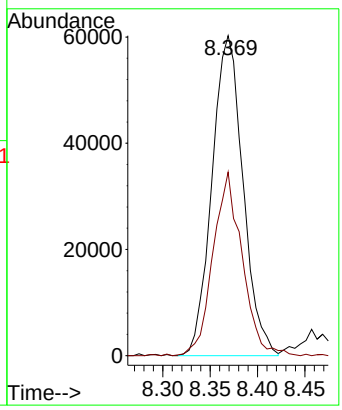




#33
1,2-Dichloroethane-d4
Concen: 24.320 ug/l
RT: 8.369 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074455.D
Acq: 15 Sep 2022 11:24

Tgt Ion: 65 Resp: 13750

Ion	Ratio	Lower	Upper
65	100		
67	53.8	0.0	104.8



Instrument :
MSVOA_N
ClientSampleId :
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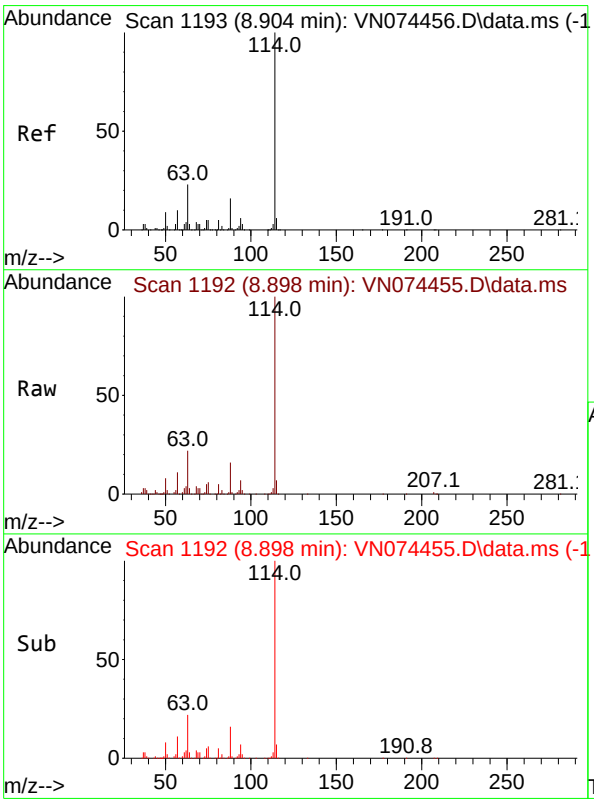
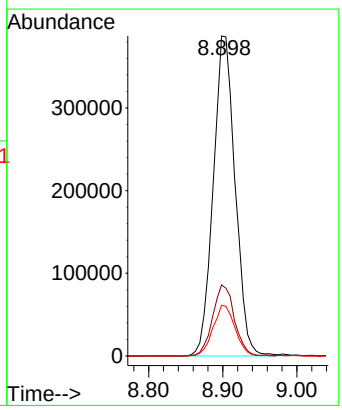
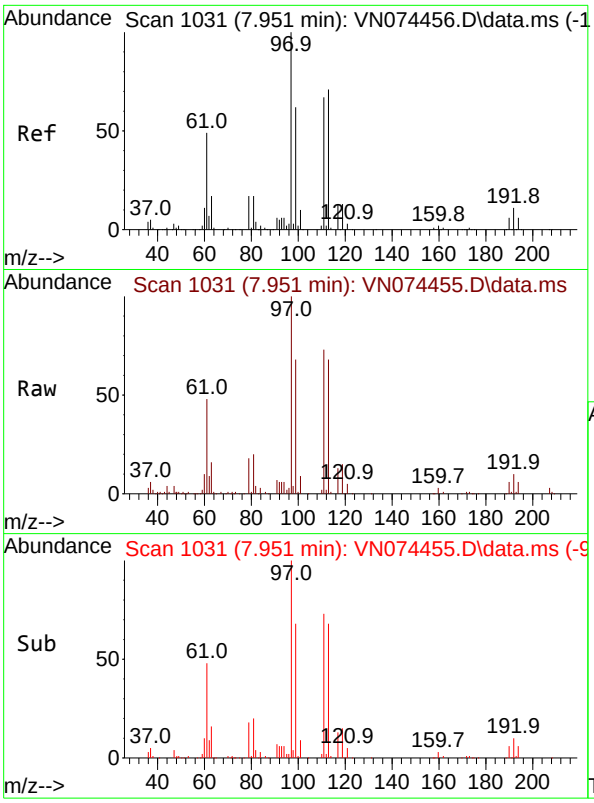


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.898 min Scan# 1192
Delta R.T. -0.006 min
Lab File: VN074455.D
Acq: 15 Sep 2022 11:24

Tgt Ion:114 Resp: 793917

Ion	Ratio	Lower	Upper
114	100		
63	22.2	0.0	40.0
88	15.9	0.0	32.6

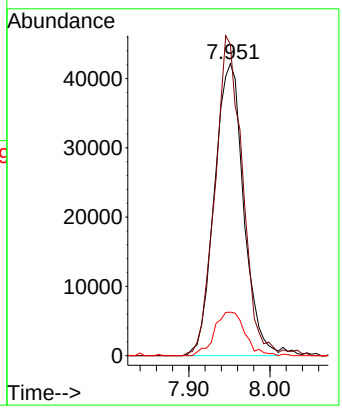




#35
Dibromofluoromethane
Concen: 21.295 ug/l
RT: 7.951 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074455.D
Acq: 15 Sep 2022 11:24

Tgt Ion:113 Resp: 10540

Ion	Ratio	Lower	Upper
113	100		
111	103.3	81.4	122.0
192	15.5	17.0	25.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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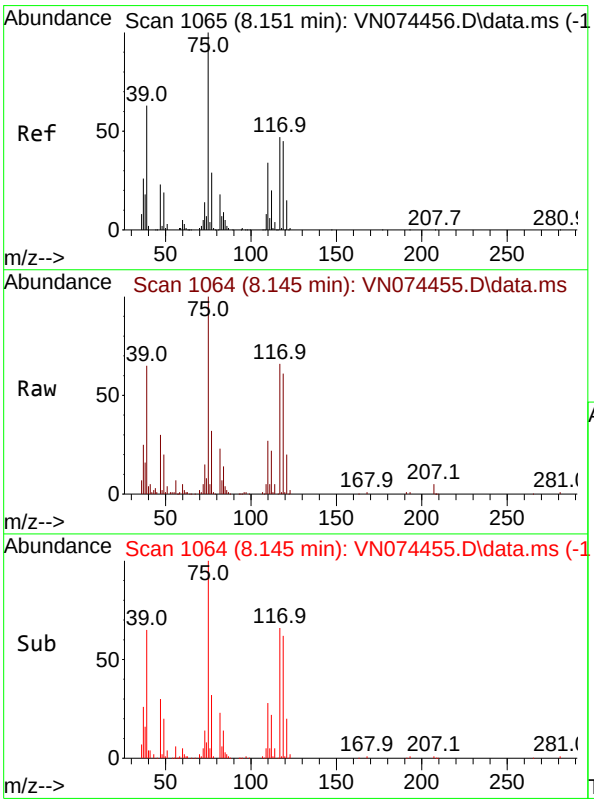
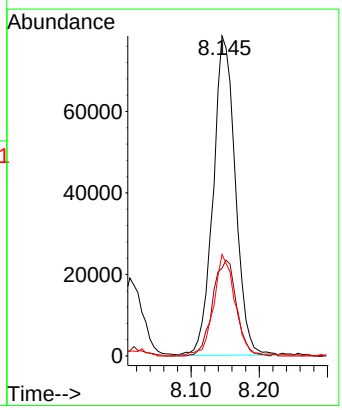
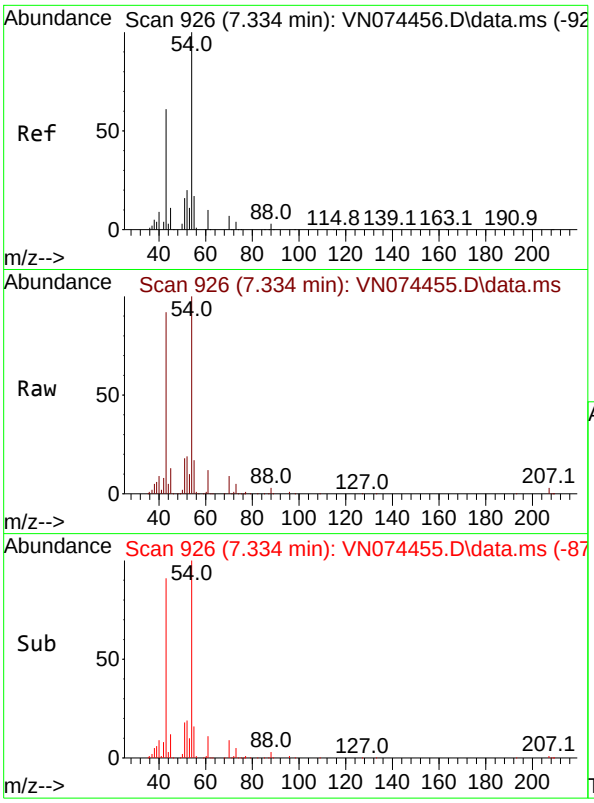


#36
1,1-Dichloropropene
Concen: 25.615 ug/l
RT: 8.145 min Scan# 1064
Delta R.T. -0.006 min
Lab File: VN074455.D
Acq: 15 Sep 2022 11:24

Tgt Ion: 75 Resp: 177252

Ion	Ratio	Lower	Upper
75	100		
110	32.4	18.3	54.8
77	30.8	25.1	37.7

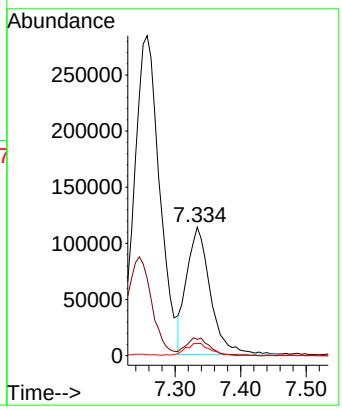




#37
Ethyl Acetate
Concen: 25.366 ug/l
RT: 7.334 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN074455.D
Acq: 15 Sep 2022 11:24

Tgt Ion: 43 Resp: 28265

Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.8	17.6
70	10.2	9.3	13.9



Instrument :
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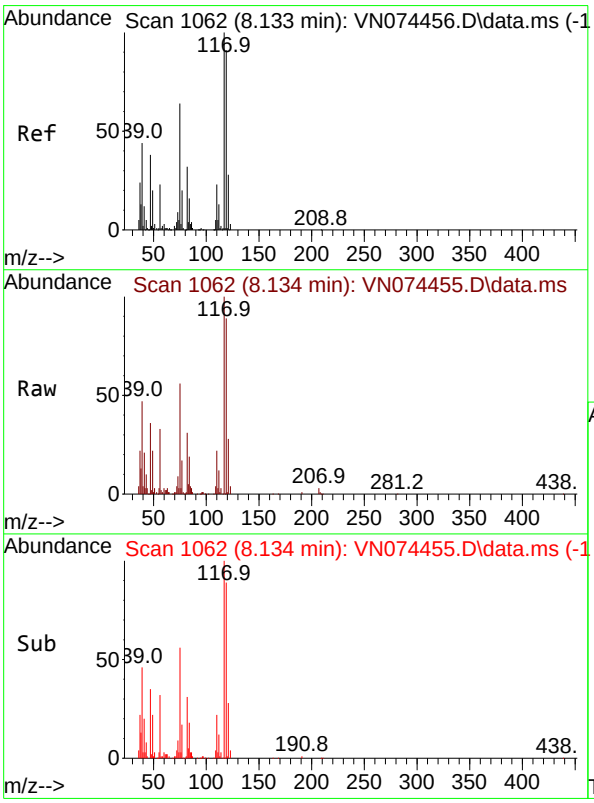
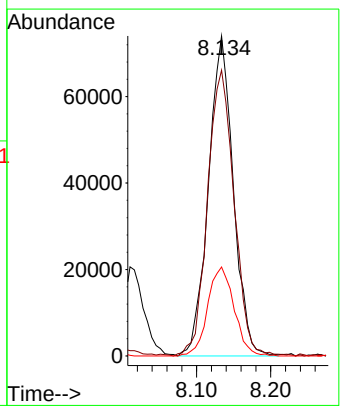
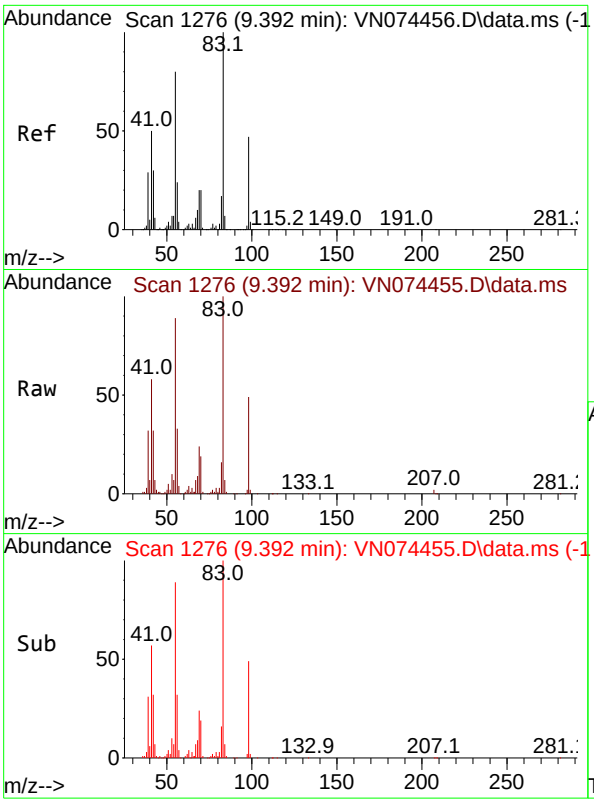


#38
Carbon Tetrachloride
Concen: 24.231 ug/l
RT: 8.134 min Scan# 1062
Delta R.T. 0.000 min
Lab File: VN074455.D
Acq: 15 Sep 2022 11:24

Tgt Ion:117 Resp: 172850

Ion	Ratio	Lower	Upper
117	100		
119	88.8	75.8	113.8
121	27.8	24.6	37.0

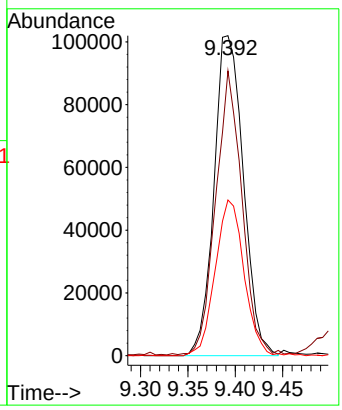




#39
Methylcyclohexane
Concen: 26.204 ug/l
RT: 9.392 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074455.D
Acq: 15 Sep 2022 11:24

Tgt Ion: 83 Resp: 21986

Ion	Ratio	Lower	Upper
83	100		
55	88.7	57.8	86.8
98	48.7	39.4	59.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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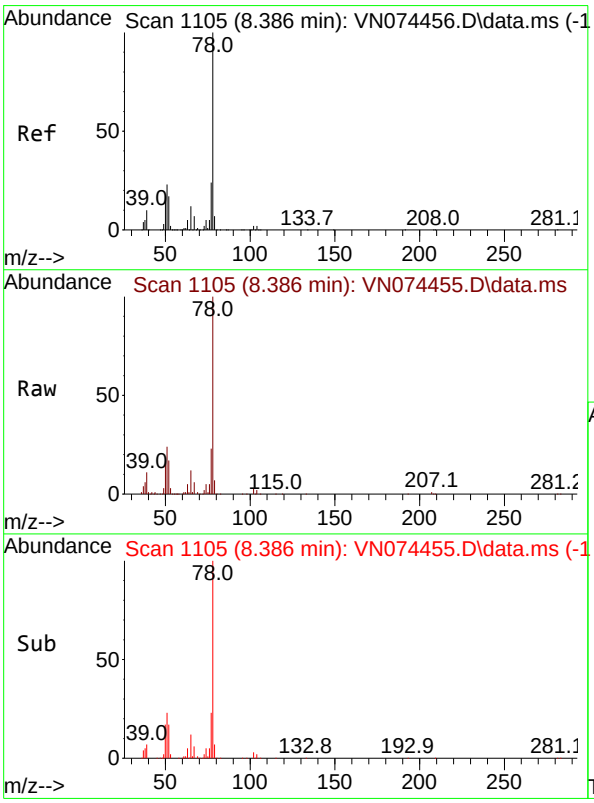
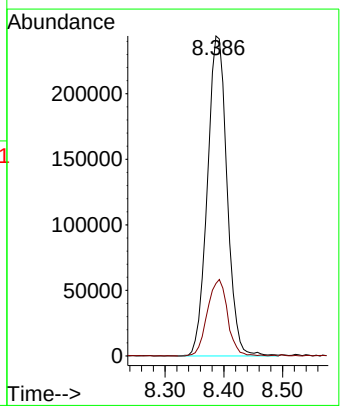
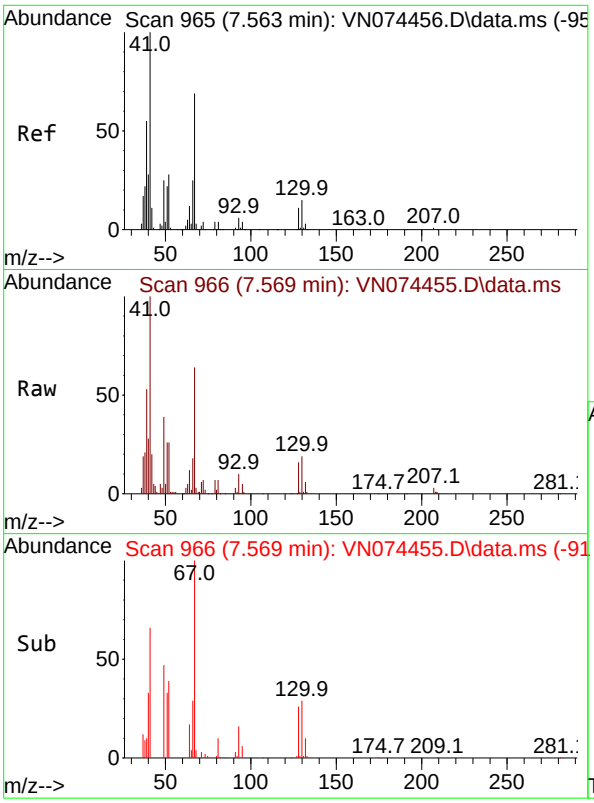


#40
Benzene
Concen: 26.019 ug/l
RT: 8.386 min Scan# 1105
Delta R.T. 0.000 min
Lab File: VN074455.D
Acq: 15 Sep 2022 11:24

Tgt Ion: 78 Resp: 567644

Ion	Ratio	Lower	Upper
78	100		
77	22.7	19.4	29.0

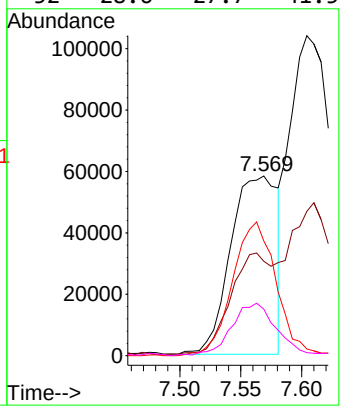




#41
Methacrylonitrile
Concen: 29.477 ug/l
RT: 7.569 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN074455.D
Acq: 15 Sep 2022 11:24

Tgt Ion: 41 Resp: 15535

Ion	Ratio	Lower	Upper
41	100		
39	48.1	48.6	73.0#
67	70.4	73.4	110.2#
52	28.6	27.7	41.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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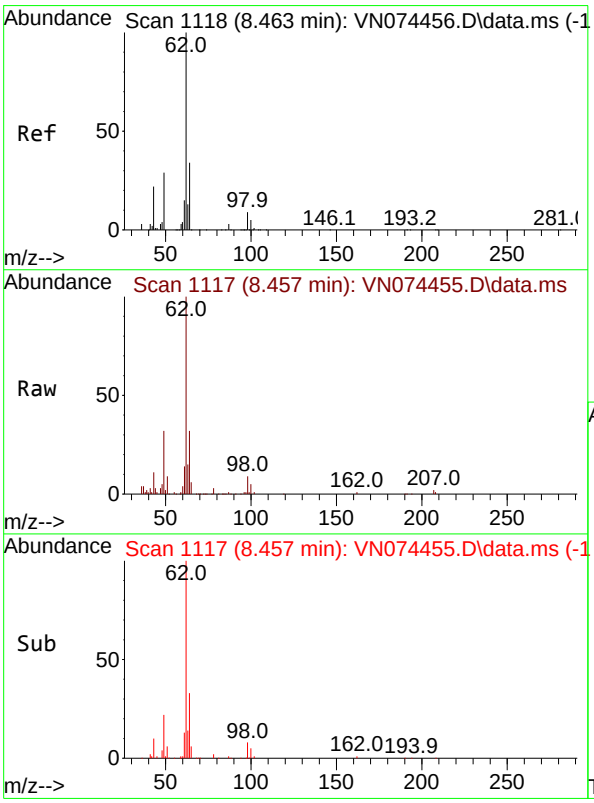
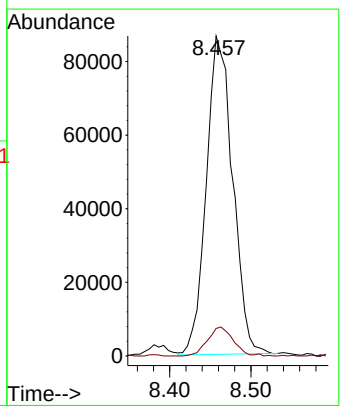
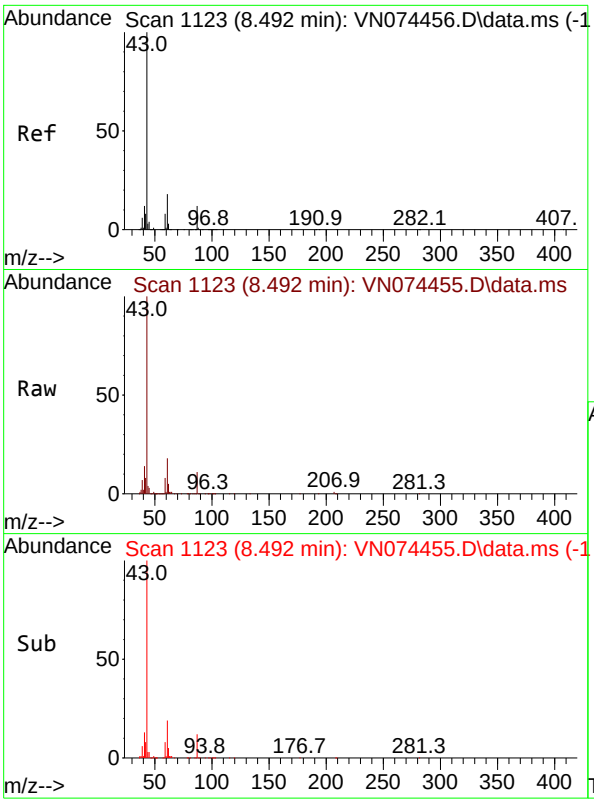


#42
1,2-Dichloroethane
Concen: 25.427 ug/l
RT: 8.457 min Scan# 1117
Delta R.T. -0.006 min
Lab File: VN074455.D
Acq: 15 Sep 2022 11:24

Tgt Ion: 62 Resp: 195510

Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	19.4

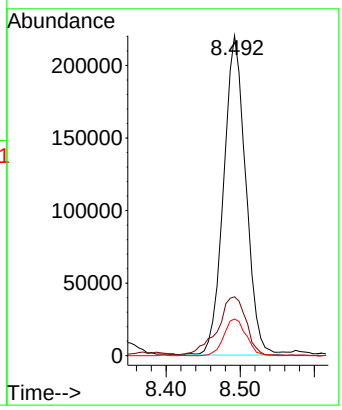




#43
Isopropyl Acetate
Concen: 28.411 ug/l
RT: 8.492 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074455.D
Acq: 15 Sep 2022 11:24

Tgt Ion: 43 Resp: 45608

Ion	Ratio	Lower	Upper
43	100		
61	23.6	21.9	32.9
87	11.6	12.0	18.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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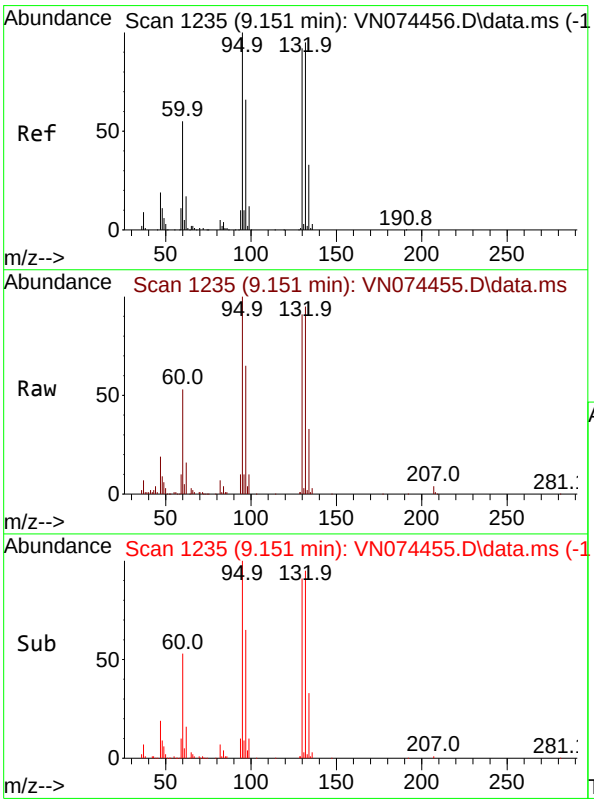
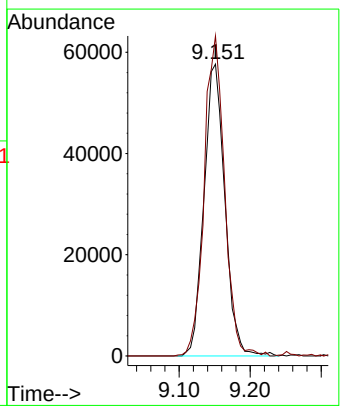
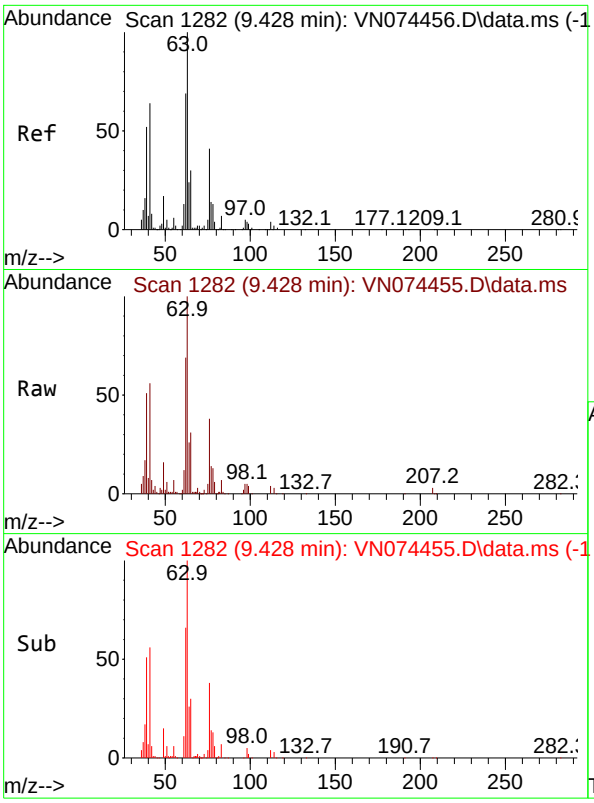


#44
Trichloroethene
Concen: 22.158 ug/l
RT: 9.151 min Scan# 1235
Delta R.T. 0.000 min
Lab File: VN074455.D
Acq: 15 Sep 2022 11:24

Tgt Ion:130 Resp: 118107

Ion	Ratio	Lower	Upper
130	100		
95	109.4	0.0	186.8





#45
1,2-Dichloropropane
Concen: 27.817 ug/l
RT: 9.428 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074455.D
Acq: 15 Sep 2022 11:24

Tgt Ion: 63 Resp: 15714

Ion	Ratio	Lower	Upper
63	100		
65	30.5	24.9	37.3

Instrument :
MSVOA_N
ClientSampleId :
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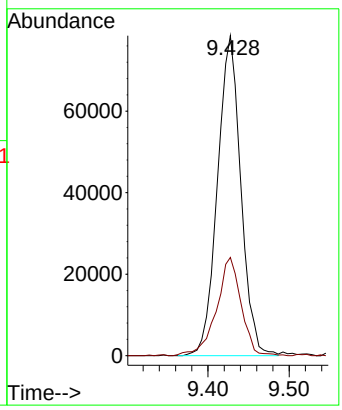
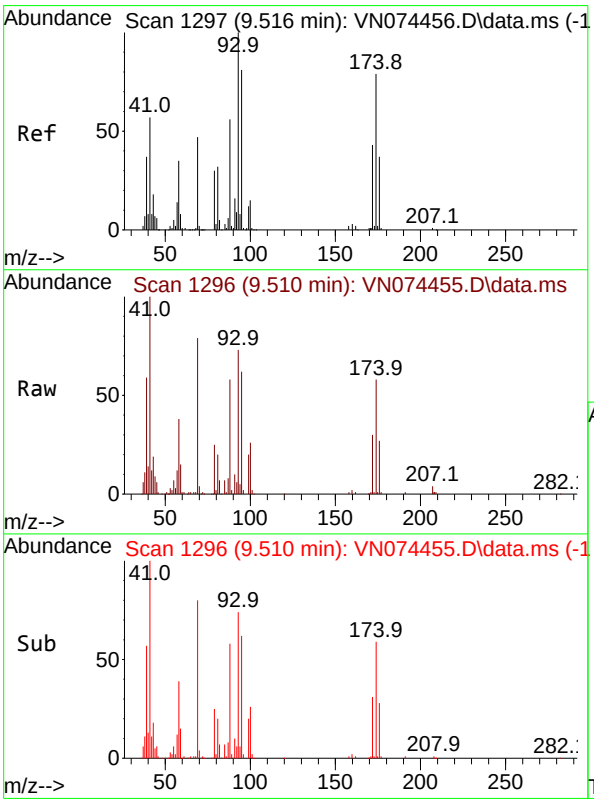
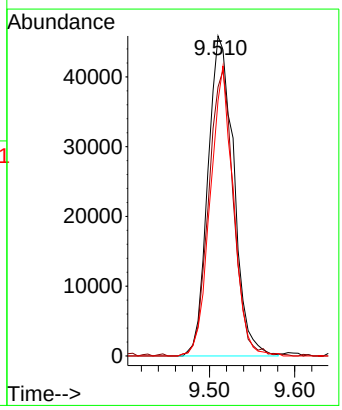


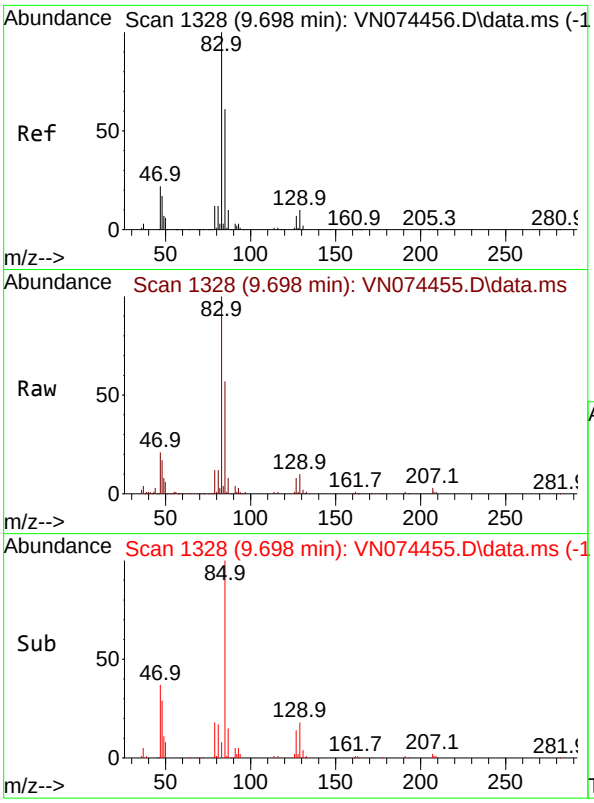


#46
Dibromomethane
Concen: 25.769 ug/l
RT: 9.510 min Scan# 1296
Delta R.T. -0.006 min
Lab File: VN074455.D
Acq: 15 Sep 2022 11:24

Tgt Ion: 93 Resp: 96599

Ion	Ratio	Lower	Upper
93	100		
95	86.2	66.9	100.3
174	81.0	86.6	130.0#

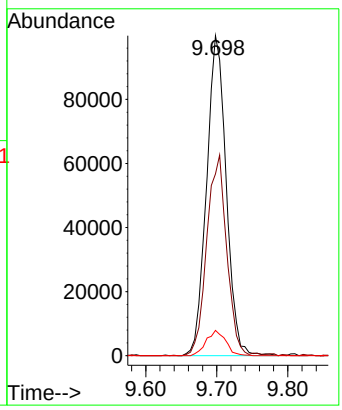




#47
Bromodichloromethane
Concen: 25.794 ug/l
RT: 9.698 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074455.D
Acq: 15 Sep 2022 11:24

Tgt Ion: 83 Resp: 19217

Ion	Ratio	Lower	Upper
83	100		
85	56.8	50.5	75.7
127	7.9	6.8	10.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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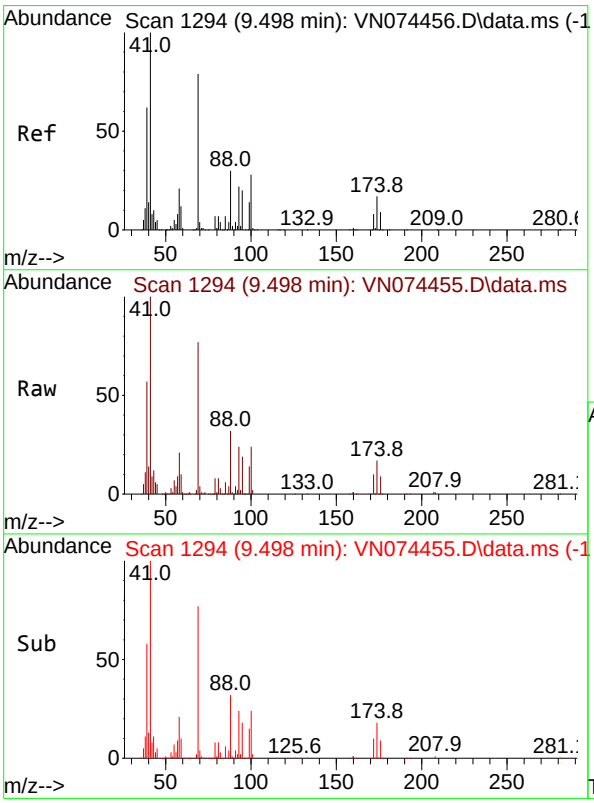
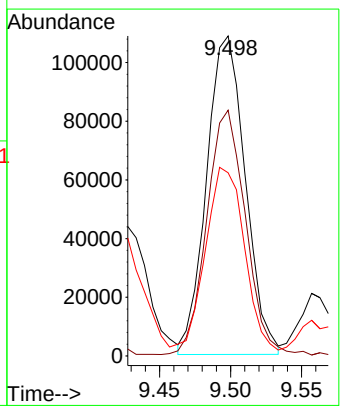
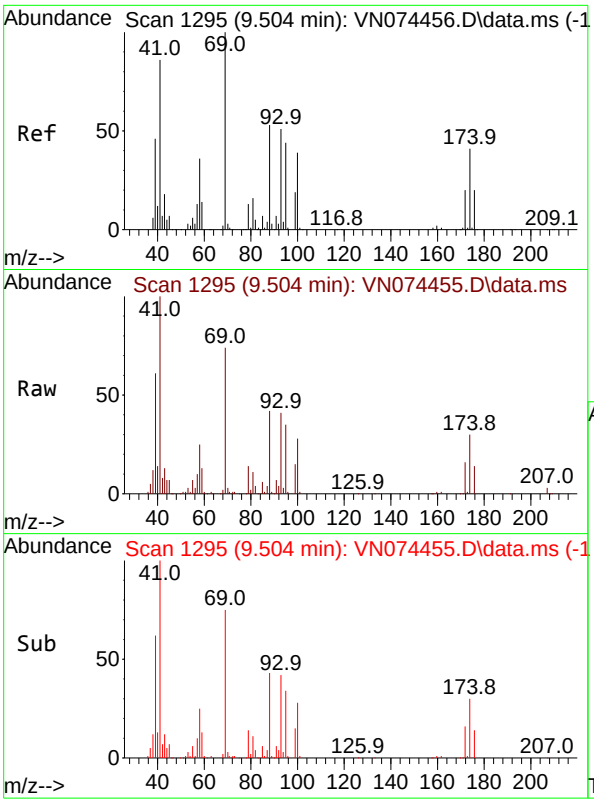


#48
Methyl methacrylate
Concen: 28.337 ug/l
RT: 9.498 min Scan# 1294
Delta R.T. 0.000 min
Lab File: VN074455.D
Acq: 15 Sep 2022 11:24

Tgt Ion: 41 Resp: 205837

Ion	Ratio	Lower	Upper
41	100		
69	78.1	74.7	112.1
39	60.4	45.6	68.4

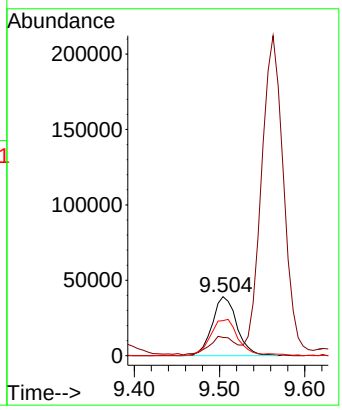




#49
1,4-Dioxane
Concen: 492.620 ug/l
RT: 9.504 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074455.D
Acq: 15 Sep 2022 11:24

Tgt Ion: 88 Resp: 7848

Ion	Ratio	Lower	Upper
88	100		
43	34.5	20.2	30.4
58	67.7	54.2	81.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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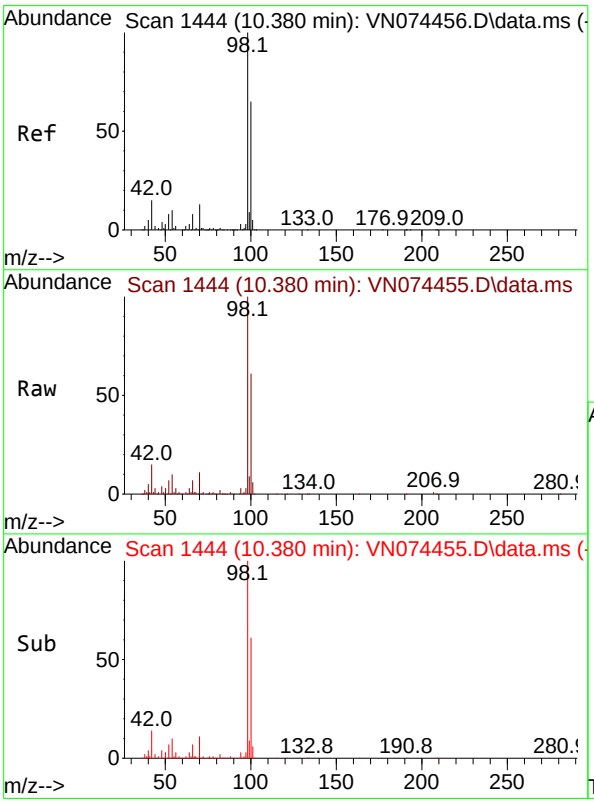
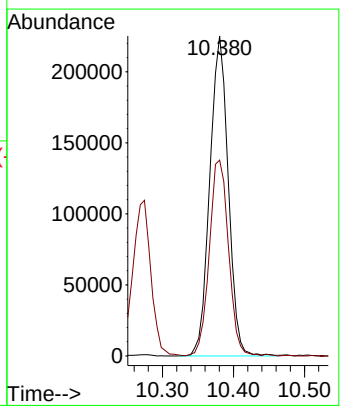
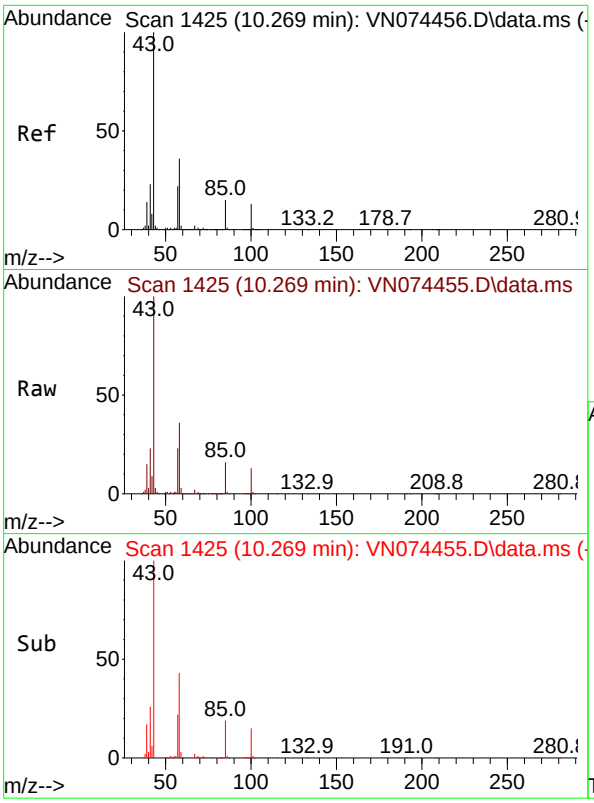


#50
Toluene-d8
Concen: 22.055 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074455.D
Acq: 15 Sep 2022 11:24

Tgt Ion: 98 Resp: 405888

Ion	Ratio	Lower	Upper
98	100		
100	63.4	52.6	78.8

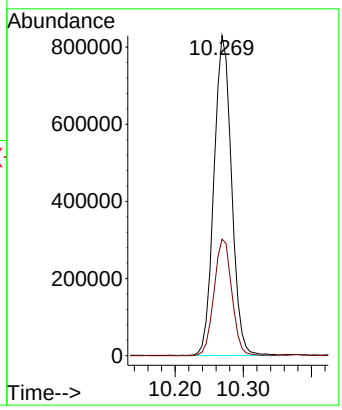




#51
4-Methyl-2-Pentanone
Concen: 141.327 ug/l
RT: 10.269 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN074455.D
Acq: 15 Sep 2022 11:24

Tgt Ion: 43 Resp: 149164

Ion	Ratio	Lower	Upper
43	100		
58	36.9	34.1	51.1



Instrument :
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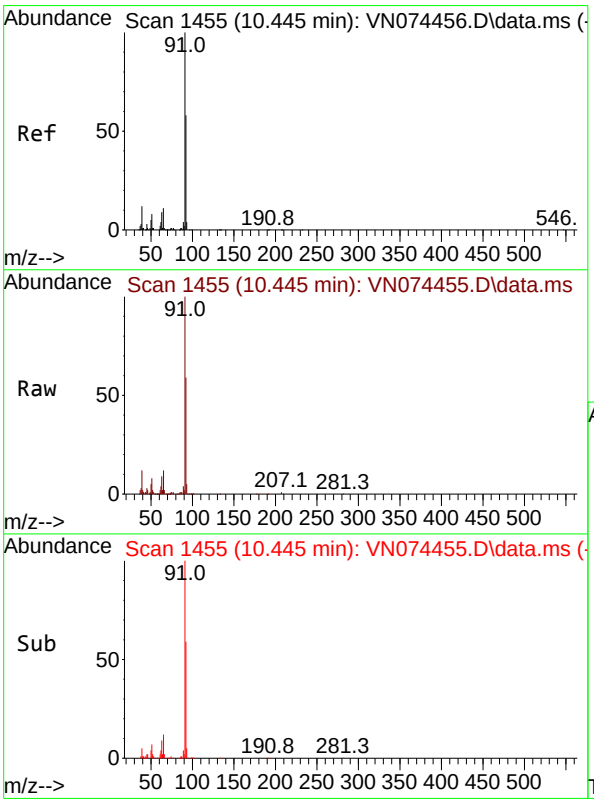
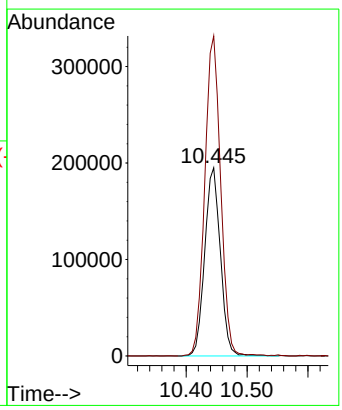
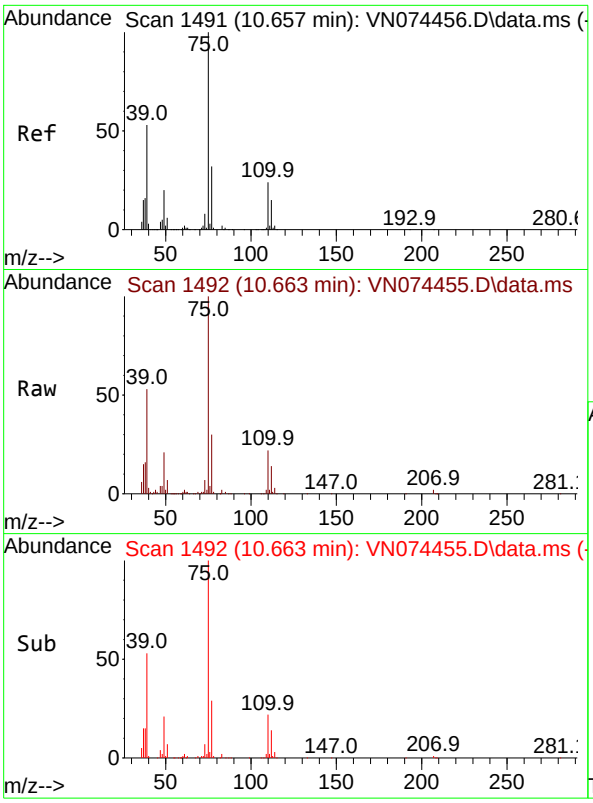


#52
Toluene
Concen: 26.097 ug/l
RT: 10.445 min Scan# 1455
Delta R.T. 0.000 min
Lab File: VN074455.D
Acq: 15 Sep 2022 11:24

Tgt Ion: 92 Resp: 348079

Ion	Ratio	Lower	Upper
92	100		
91	171.9	138.6	207.8

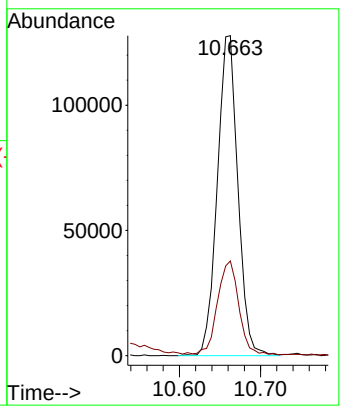




#53
t-1,3-Dichloropropene
Concen: 27.775 ug/l
RT: 10.663 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN074455.D
Acq: 15 Sep 2022 11:24

Tgt Ion: 75 Resp: 22560

Ion	Ratio	Lower	Upper
75	100		
77	29.3	25.6	38.4



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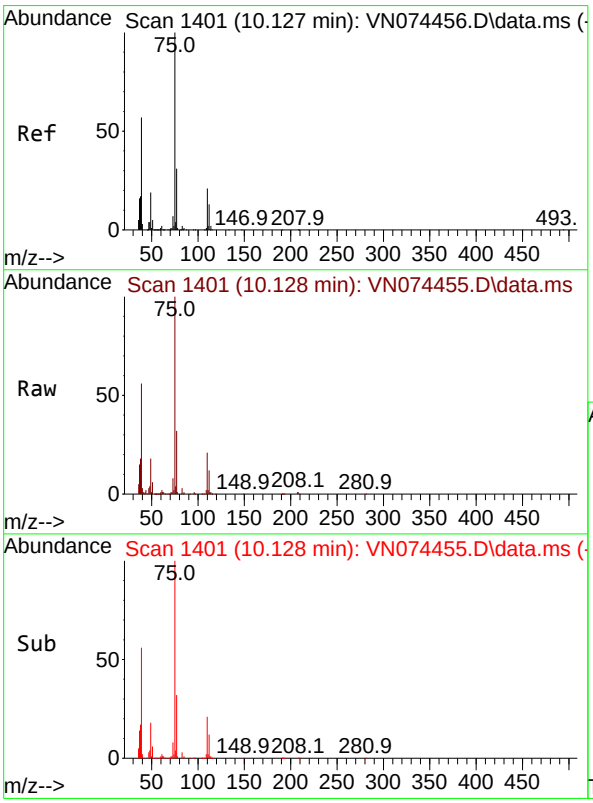
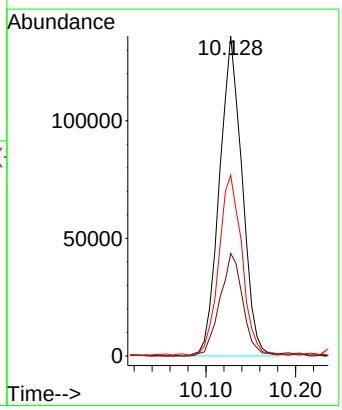
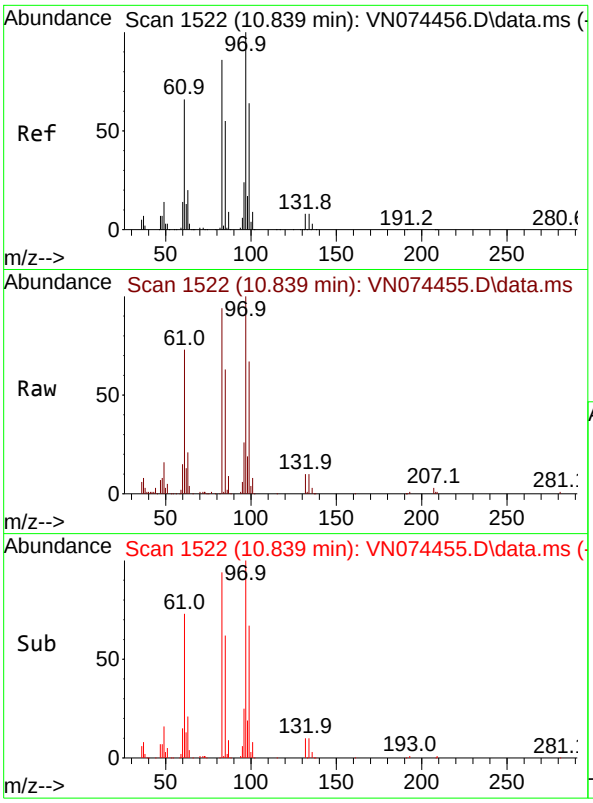


#54
cis-1,3-Dichloropropene
Concen: 26.958 ug/l
RT: 10.128 min Scan# 1401
Delta R.T. 0.000 min
Lab File: VN074455.D
Acq: 15 Sep 2022 11:24

Tgt Ion: 75 Resp: 238784

Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.2	37.8
39	56.0	35.7	53.5#

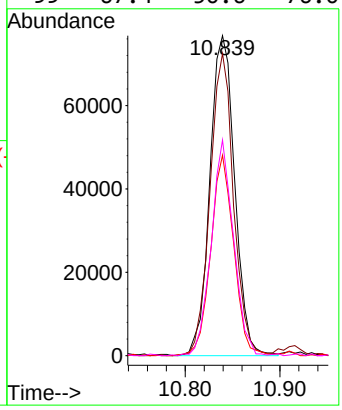




#55
1,1,2-Trichloroethane
Concen: 24.081 ug/l
RT: 10.839 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074455.D
Acq: 15 Sep 2022 11:24

Tgt Ion: 97 Resp: 13990

Ion	Ratio	Lower	Upper
97	100		
83	94.1	66.2	99.4
85	62.4	43.9	65.9
99	67.4	50.6	76.0



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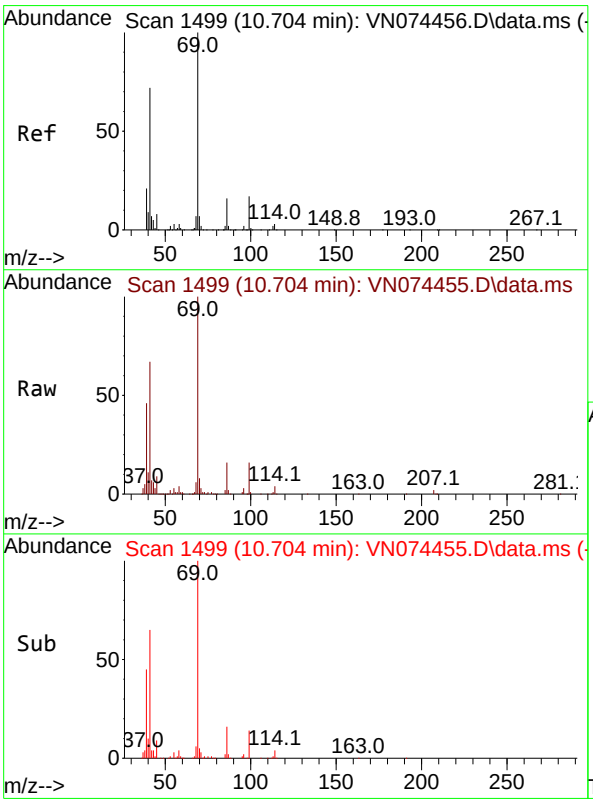
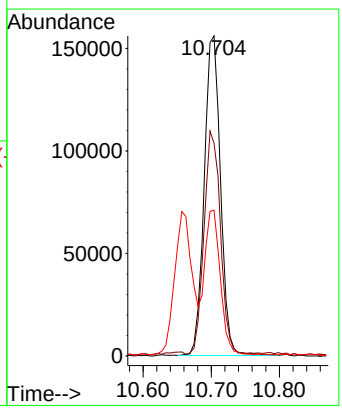
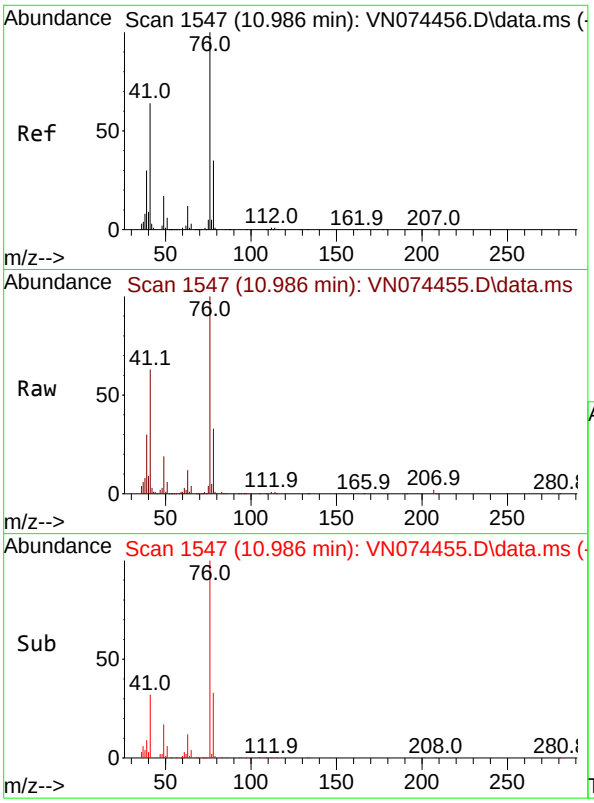


#56
Ethyl methacrylate
Concen: 27.439 ug/l
RT: 10.704 min Scan# 1499
Delta R.T. 0.000 min
Lab File: VN074455.D
Acq: 15 Sep 2022 11:24

Tgt Ion: 69 Resp: 259399

Ion	Ratio	Lower	Upper
69	100		
41	70.4	47.8	71.6
39	43.9	27.3	40.9#

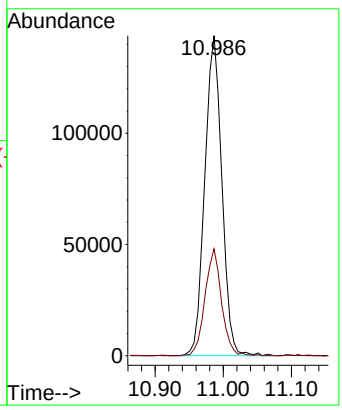




#57
1,3-Dichloropropane
Concen: 25.784 ug/l
RT: 10.986 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074455.D
Acq: 15 Sep 2022 11:24

Tgt Ion: 76 Resp: 25089

Ion	Ratio	Lower	Upper
76	100		
78	32.4	26.2	39.2



Instrument :
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ClientSampleId :
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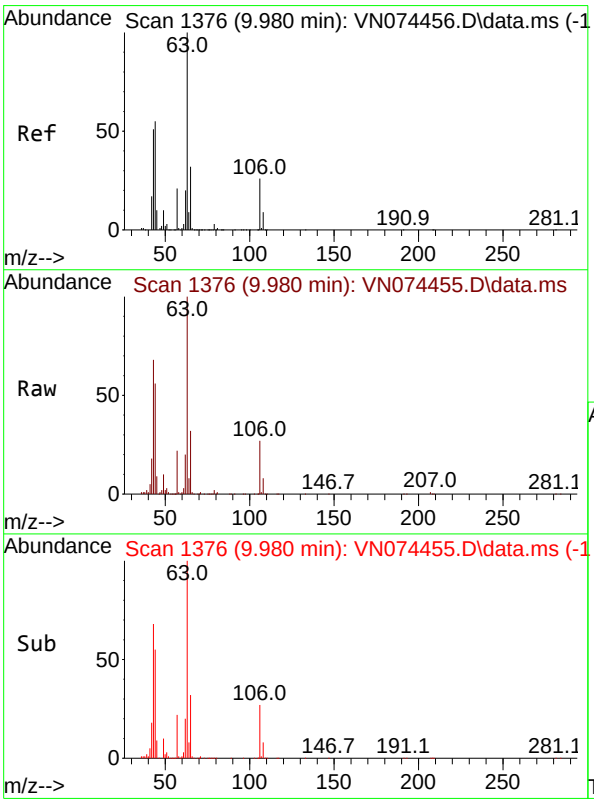
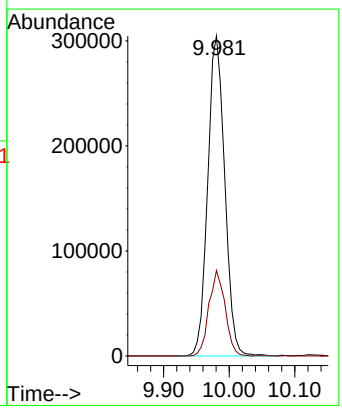
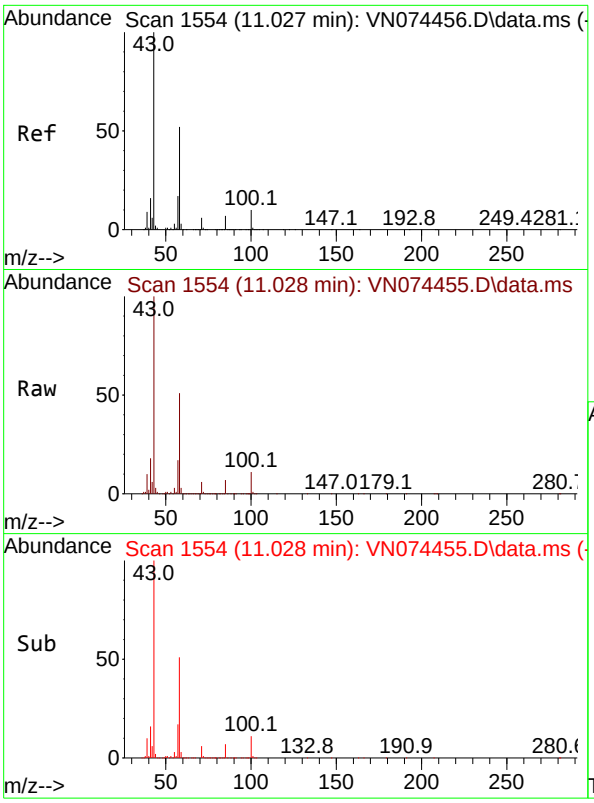


#58
2-Chloroethyl Vinyl ether
Concen: 131.703 ug/l
RT: 9.980 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VN074455.D
Acq: 15 Sep 2022 11:24

Tgt Ion: 63 Resp: 548966

Ion	Ratio	Lower	Upper
63	100		
106	25.4	24.6	36.8

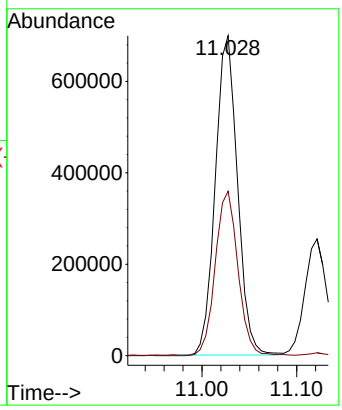




#59
2-Hexanone
Concen: 139.734 ug/l
RT: 11.028 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074455.D
Acq: 15 Sep 2022 11:24

Tgt Ion: 43 Resp: 113788

Ion	Ratio	Lower	Upper
43	100		
58	52.8	29.7	89.1



Instrument :
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ClientSampleId :
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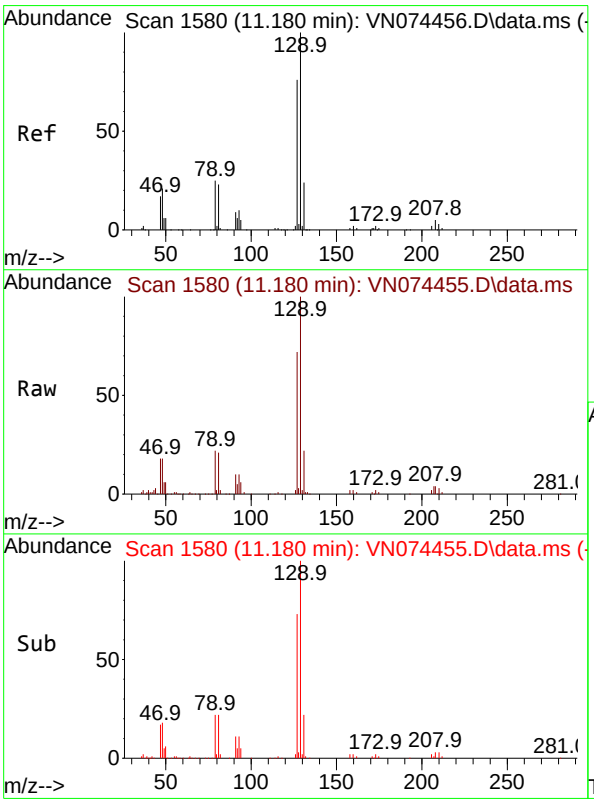
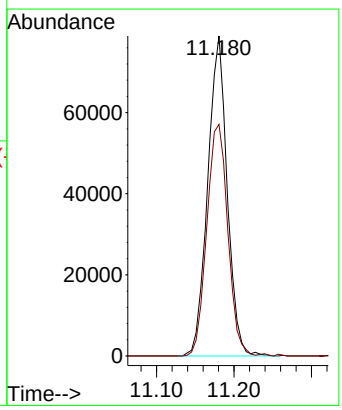
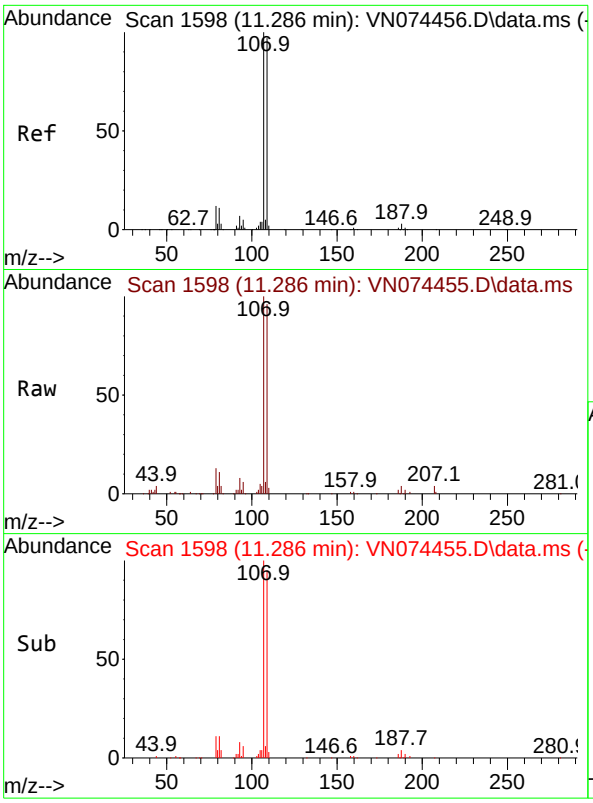


#60
Dibromochloromethane
Concen: 25.355 ug/l
RT: 11.180 min Scan# 1580
Delta R.T. 0.000 min
Lab File: VN074455.D
Acq: 15 Sep 2022 11:24

Tgt Ion:129 Resp: 137904

Ion	Ratio	Lower	Upper
129	100		
127	78.1	38.8	116.4





#61
1,2-Dibromoethane
Concen: 23.795 ug/l
RT: 11.286 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074455.D
Acq: 15 Sep 2022 11:24

Tgt Ion:107 Resp: 13568

Ion	Ratio	Lower	Upper
107	100		
109	95.7	75.0	112.6

Instrument :
MSVOA_N
ClientSampleId :
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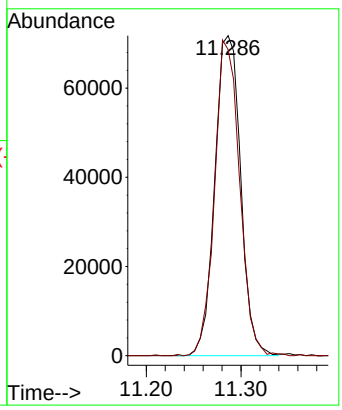
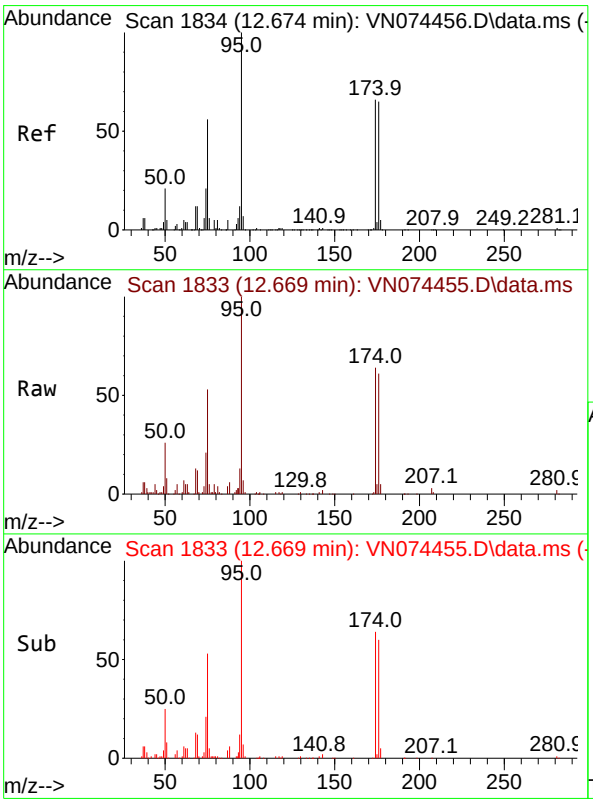
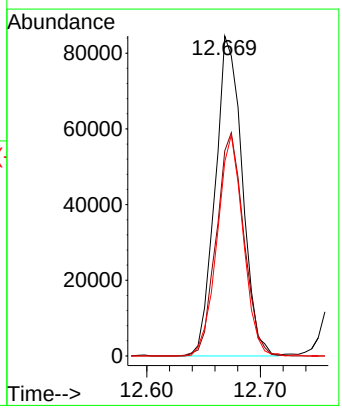


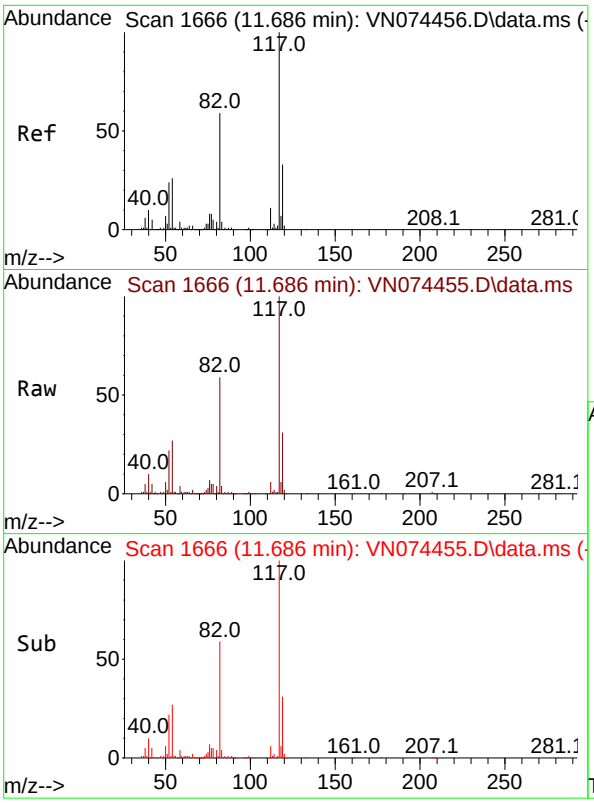


#62
4-Bromofluorobenzene
Concen: 21.039 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.006 min
Lab File: VN074455.D
Acq: 15 Sep 2022 11:24

Tgt Ion: 95 Resp: 139474

Ion	Ratio	Lower	Upper
95	100		
174	70.7	0.0	167.6
176	66.6	0.0	163.4

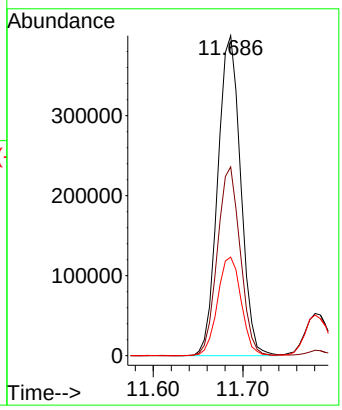




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VN074455.D
Acq: 15 Sep 2022 11:24

Tgt Ion:117 Resp: 70840

Ion	Ratio	Lower	Upper
117	100		
82	59.0	44.2	66.2
119	30.8	25.4	38.0



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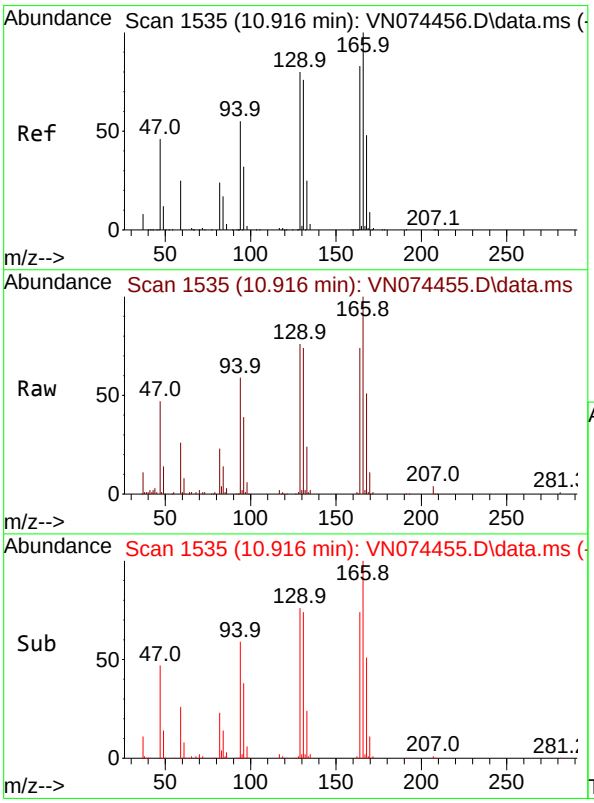
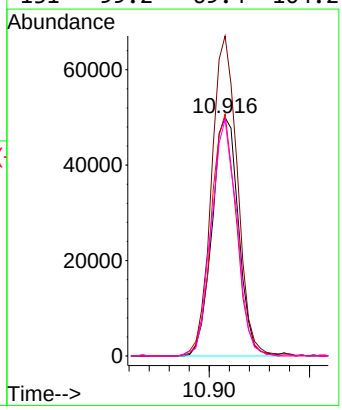
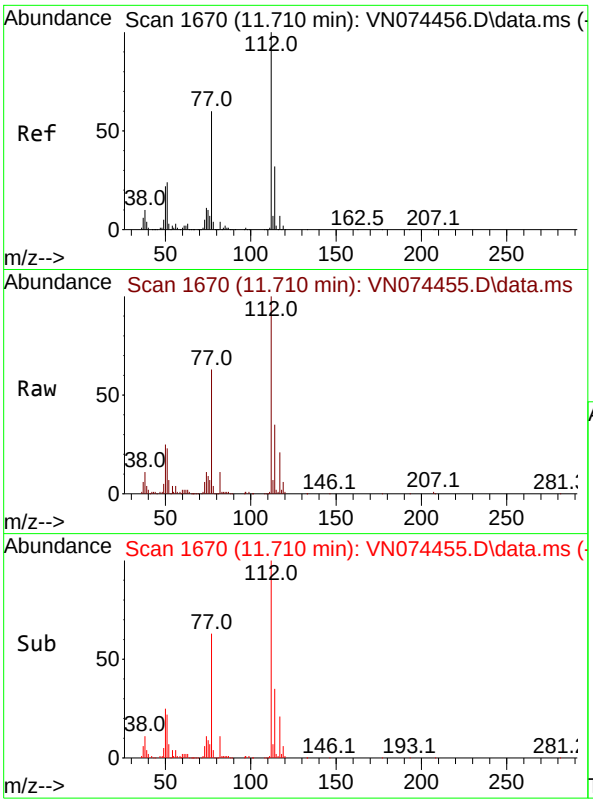


#64
Tetrachloroethene
Concen: 21.169 ug/l
RT: 10.916 min Scan# 1535
Delta R.T. 0.000 min
Lab File: VN074455.D
Acq: 15 Sep 2022 11:24

Tgt Ion:164 Resp: 91487

Ion	Ratio	Lower	Upper
164	100		
166	134.3	104.2	156.2
129	101.5	73.9	110.9
131	99.2	69.4	104.2

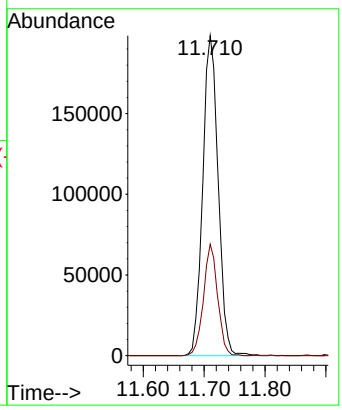




#65
Chlorobenzene
Concen: 24.540 ug/l
RT: 11.710 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074455.D
Acq: 15 Sep 2022 11:24

Tgt Ion:112 Resp: 34852

Ion	Ratio	Lower	Upper
112	100		
114	34.9	25.4	38.2



Instrument :
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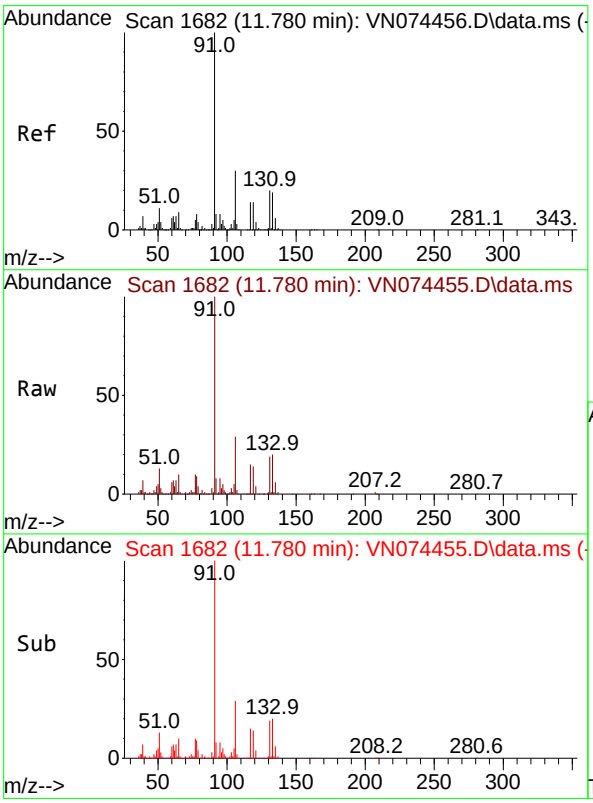
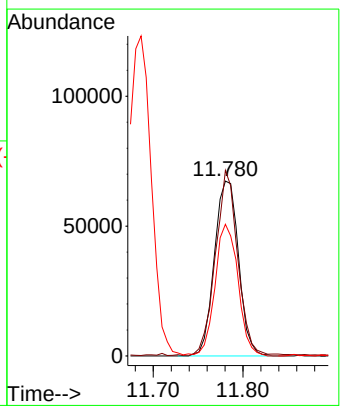
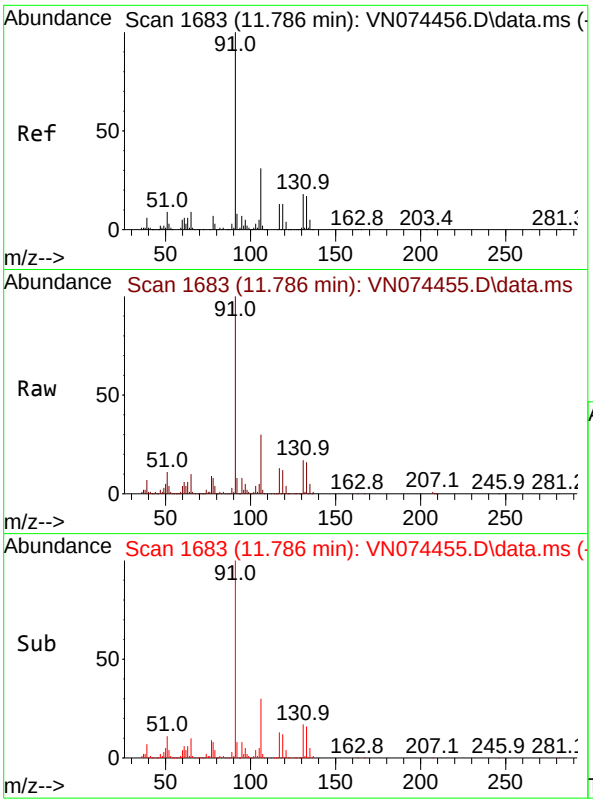


#66
1,1,1,2-Tetrachloroethane
Concen: 23.497 ug/l
RT: 11.780 min Scan# 1682
Delta R.T. 0.000 min
Lab File: VN074455.D
Acq: 15 Sep 2022 11:24

Tgt Ion:131 Resp: 125963

Ion	Ratio	Lower	Upper
131	100		
133	99.5	47.8	143.4
119	71.6	33.4	100.2

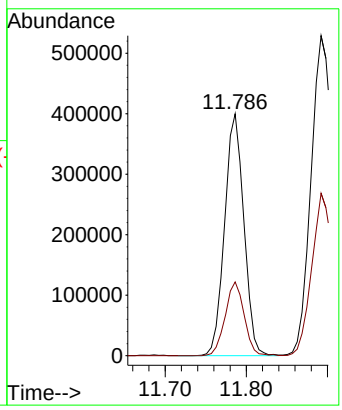




#67
Ethyl Benzene
Concen: 26.096 ug/l
RT: 11.786 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074455.D
Acq: 15 Sep 2022 11:24

Tgt Ion: 91 Resp: 65942

Ion	Ratio	Lower	Upper
91	100		
106	30.5	24.9	37.3



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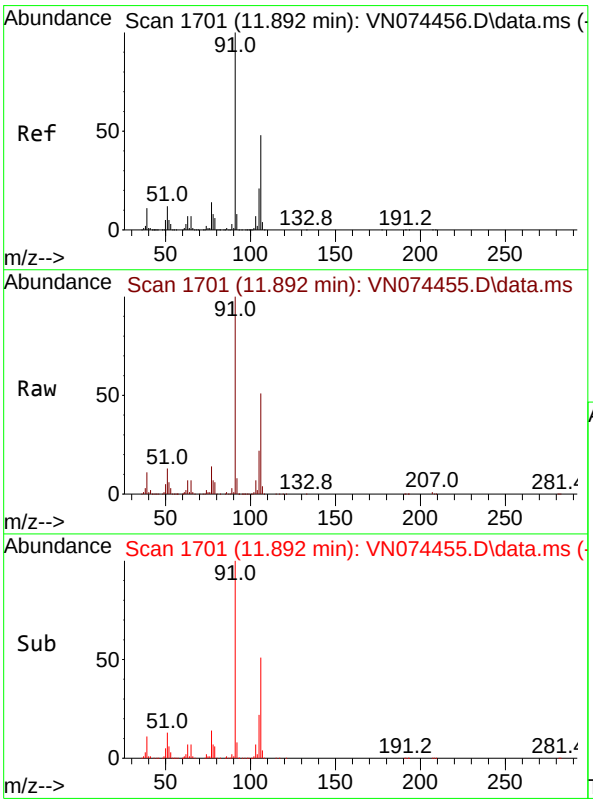
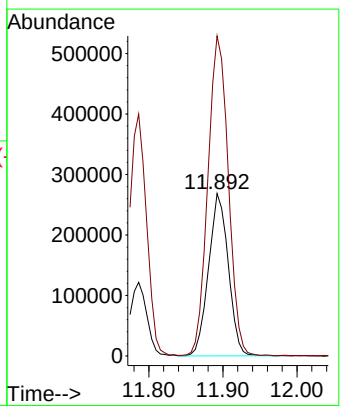
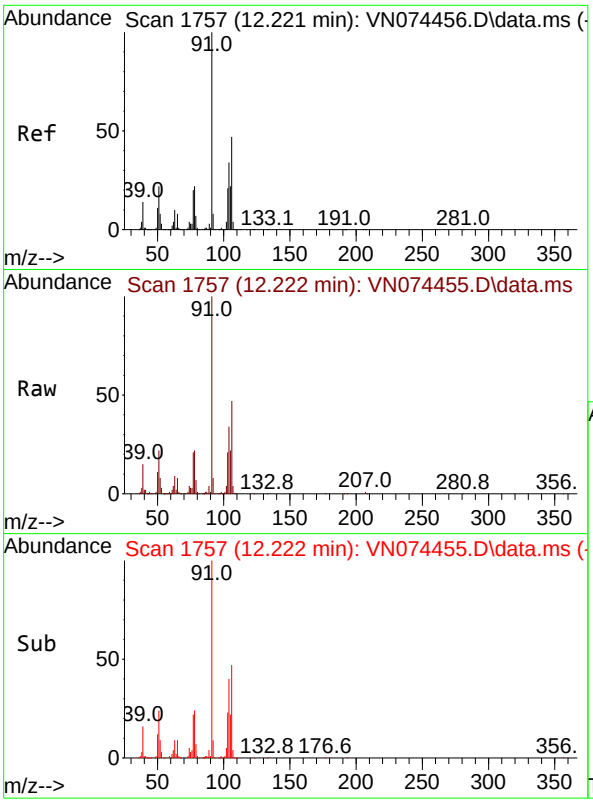


#68
m/p-Xylenes
Concen: 50.305 ug/l
RT: 11.892 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN074455.D
Acq: 15 Sep 2022 11:24

Tgt Ion:106 Resp: 496265

Ion	Ratio	Lower	Upper
106	100		
91	204.0	158.9	238.3

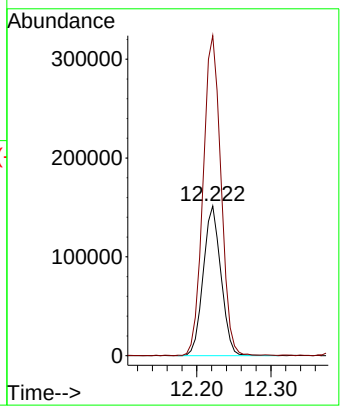




#69
o-Xylene
Concen: 25.447 ug/l
RT: 12.222 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074455.D
Acq: 15 Sep 2022 11:24

Tgt Ion:106 Resp: 25152

Ion	Ratio	Lower	Upper
106	100		
91	215.6	106.0	318.0



Instrument :
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ClientSampleId :
VSTDICC020

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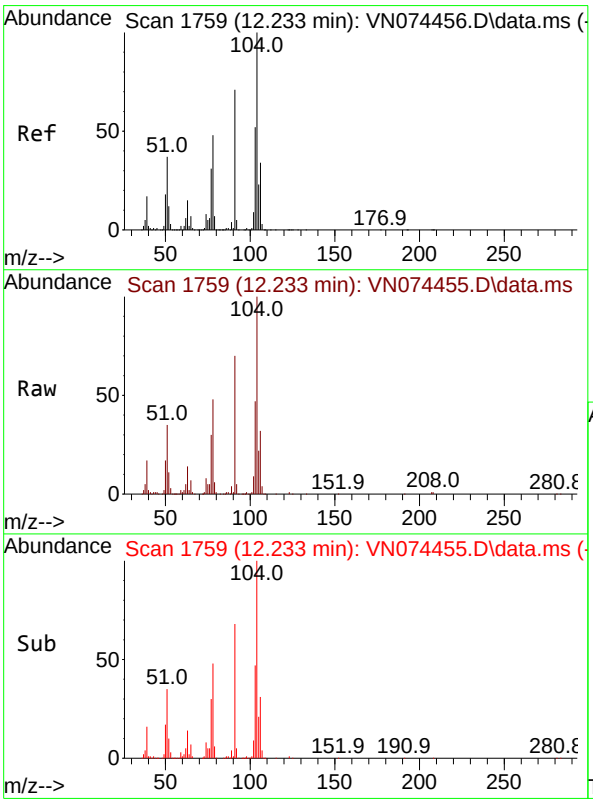
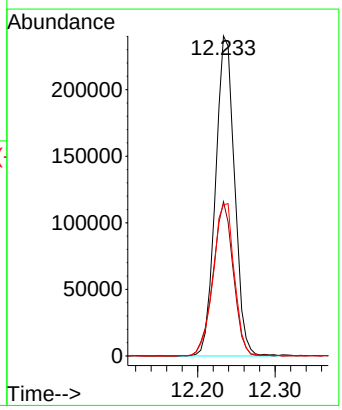
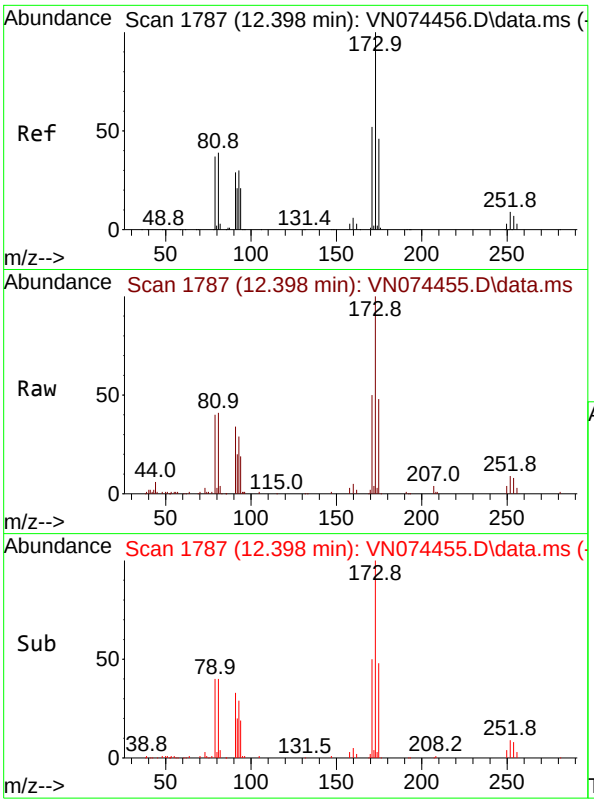


#70
Styrene
Concen: 25.769 ug/l
RT: 12.233 min Scan# 1759
Delta R.T. 0.000 min
Lab File: VN074455.D
Acq: 15 Sep 2022 11:24

Tgt Ion:104 Resp: 410333

Ion	Ratio	Lower	Upper
104	100		
78	51.0	39.5	59.3
103	52.9	44.0	66.0

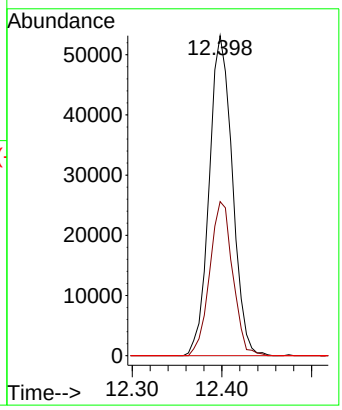




#71
Bromoform
Concen: 23.716 ug/l
RT: 12.398 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074455.D
Acq: 15 Sep 2022 11:24

Tgt Ion:173 Resp: 9532

Ion	Ratio	Lower	Upper
173	100		
175	47.9	24.6	73.6
254	0.0	0.1	0.1#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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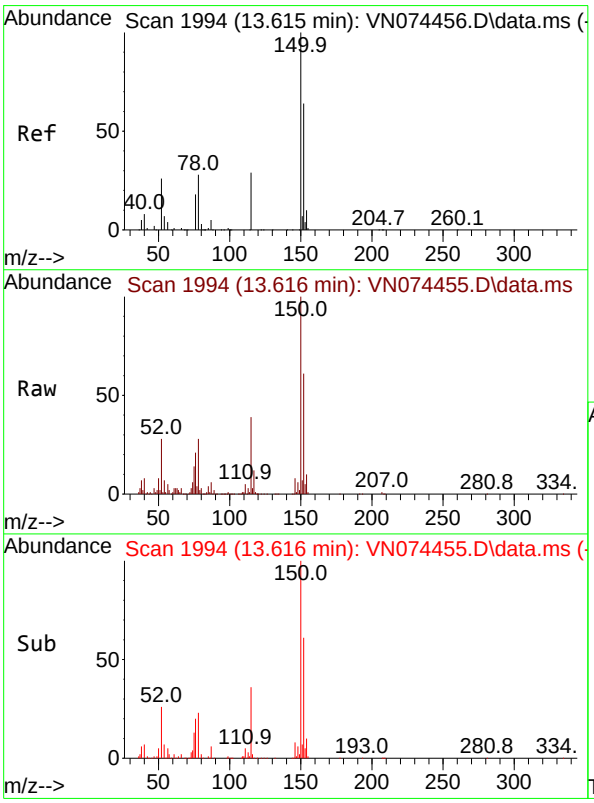
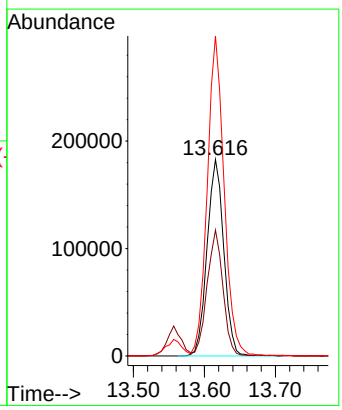
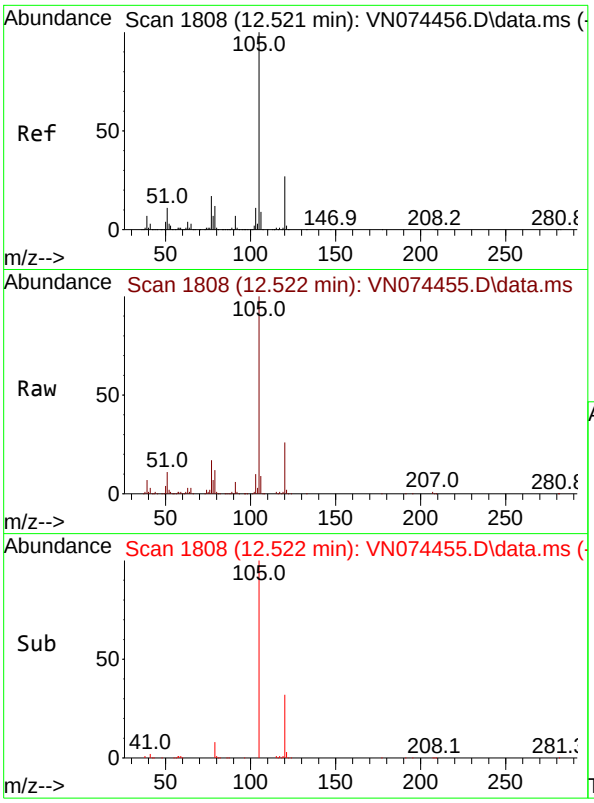


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VN074455.D
Acq: 15 Sep 2022 11:24

Tgt Ion:152 Resp: 299074

Ion	Ratio	Lower	Upper
152	100		
115	60.2	28.9	86.7
150	163.2	0.0	356.2

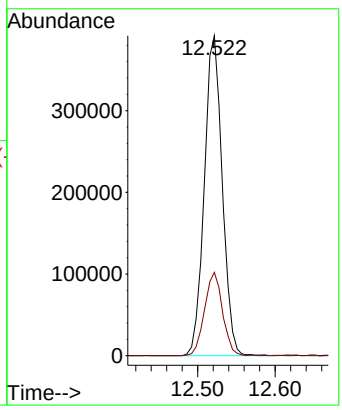




#73
Isopropylbenzene
Concen: 26.354 ug/l
RT: 12.522 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074455.D
Acq: 15 Sep 2022 11:24

Tgt Ion:105 Resp: 62923

Ion	Ratio	Lower	Upper
105	100		
120	26.1	13.5	40.4



Instrument :
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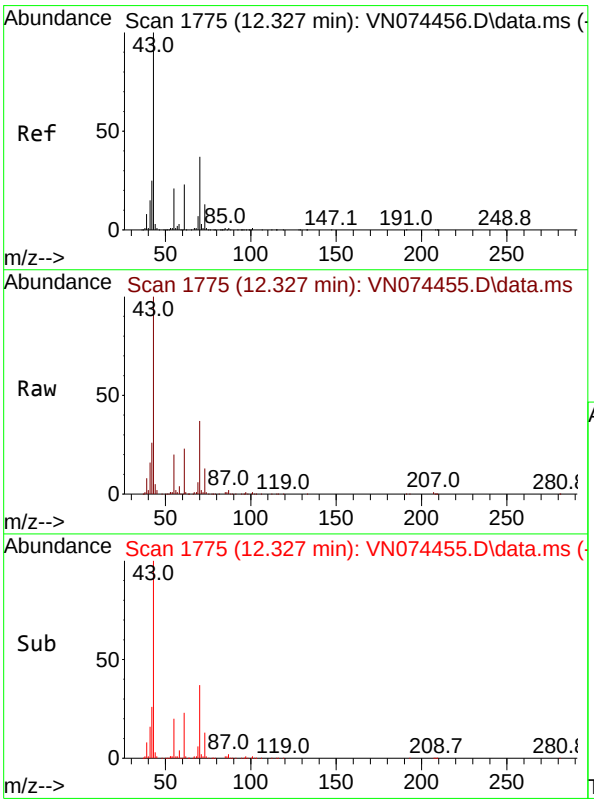
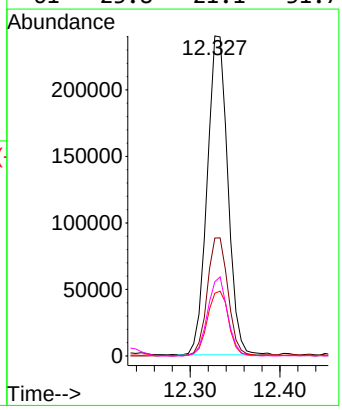
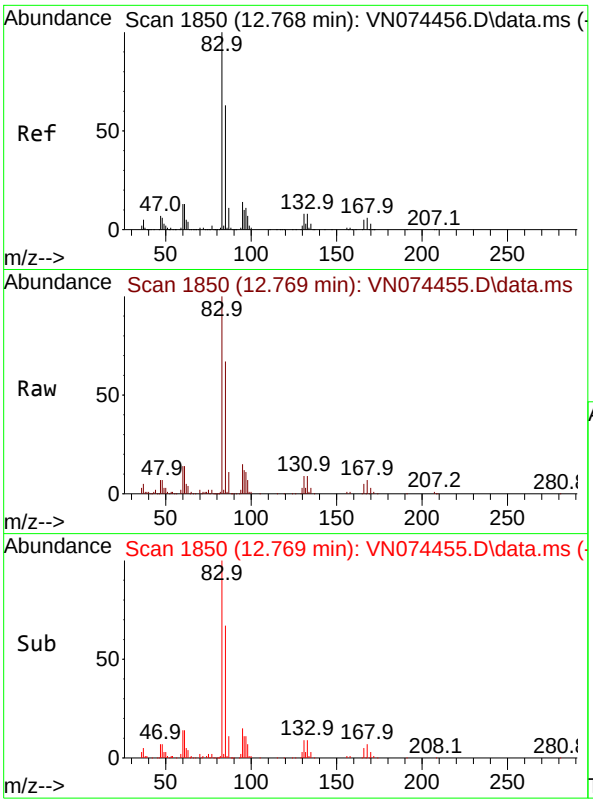


#74
N-amyl acetate
Concen: 30.041 ug/l
RT: 12.327 min Scan# 1775
Delta R.T. 0.000 min
Lab File: VN074455.D
Acq: 15 Sep 2022 11:24

Tgt Ion: 43 Resp: 382999

Ion	Ratio	Lower	Upper
43	100		
70	37.4	39.0	58.4#
55	20.8	21.1	31.7#
61	23.8	21.1	31.7

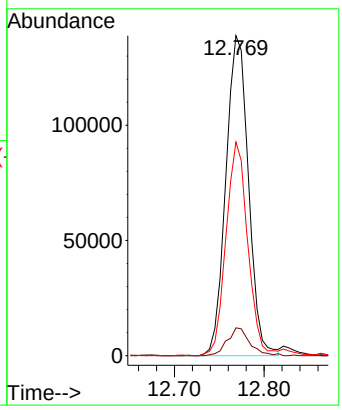




#75
1,1,2,2-Tetrachloroethane
Concen: 27.880 ug/l
RT: 12.769 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074455.D
Acq: 15 Sep 2022 11:24

Tgt Ion: 83 Resp: 24312

Ion	Ratio	Lower	Upper
83	100		
131	8.7	5.3	15.9
85	64.1	32.3	96.9



Instrument :
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ClientSampleId :
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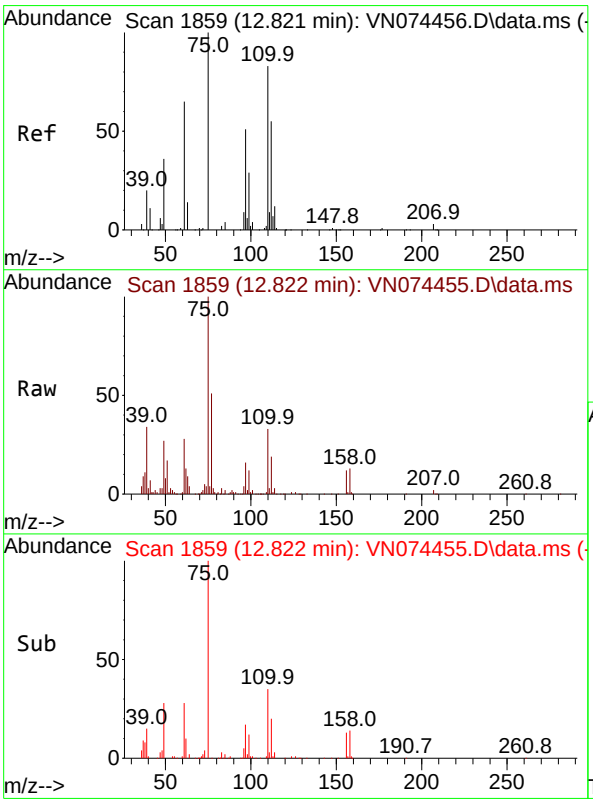
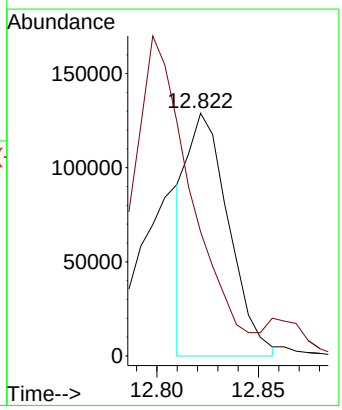
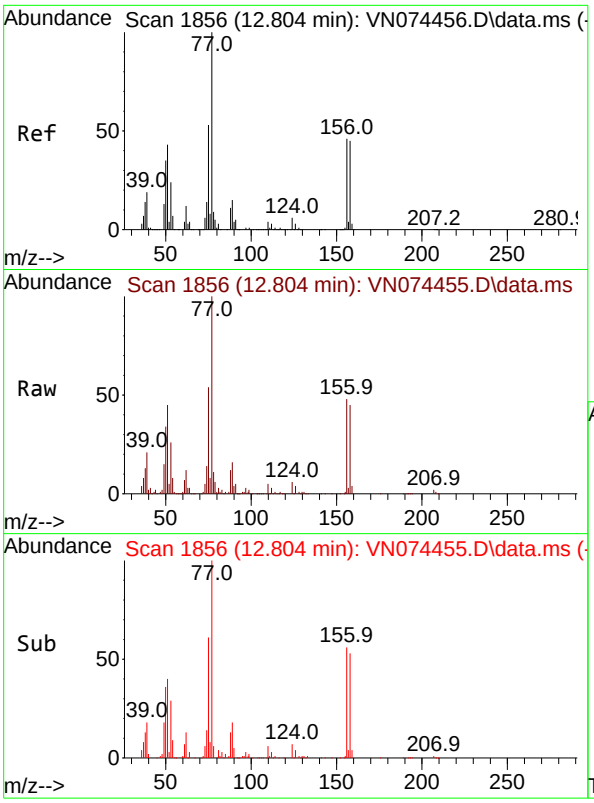


#76
1,2,3-Trichloropropane
Concen: 24.589 ug/l m
RT: 12.822 min Scan# 1859
Delta R.T. 0.000 min
Lab File: VN074455.D
Acq: 15 Sep 2022 11:24

Tgt Ion: 75 Resp: 184553

Ion	Ratio	Lower	Upper
75	100		
77	0.0	98.5	295.5#

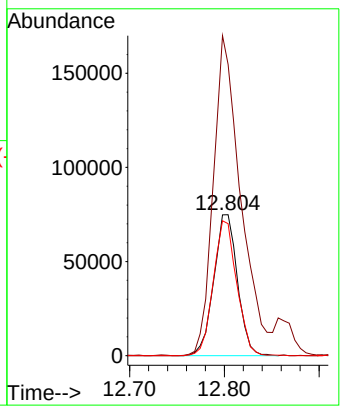




#77
Bromobenzene
Concen: 23.291 ug/l
RT: 12.804 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074455.D
Acq: 15 Sep 2022 11:24

Tgt Ion:156 Resp: 12978

Ion	Ratio	Lower	Upper
156	100		
77	263.9	100.5	301.5
158	95.2	48.9	146.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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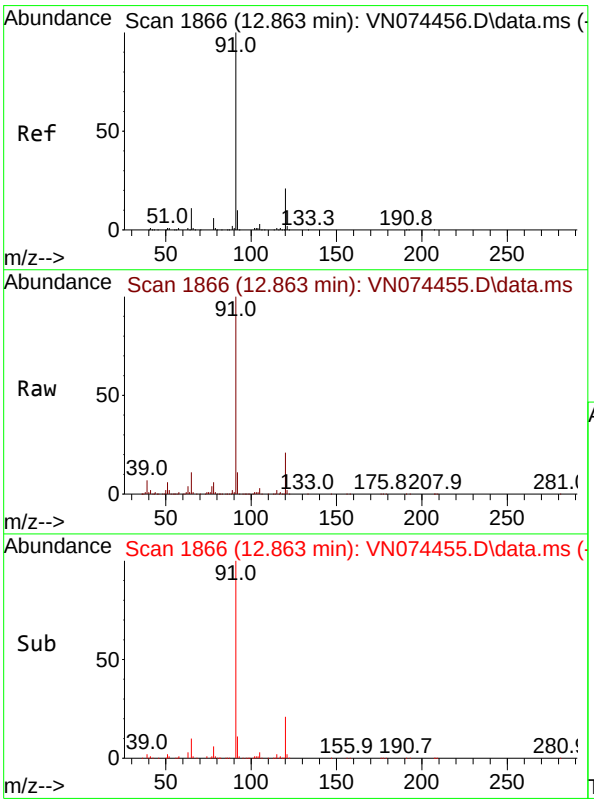
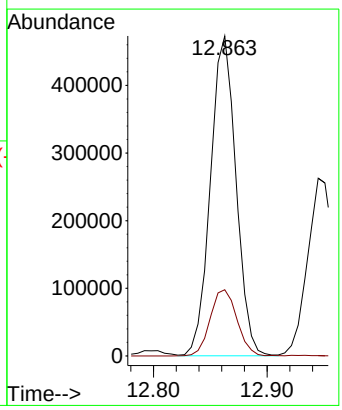
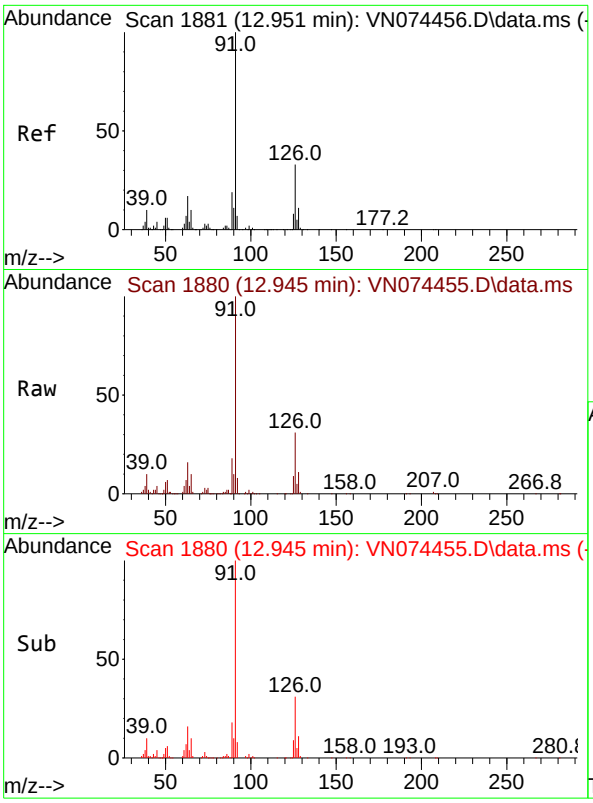


#78
n-propylbenzene
Concen: 27.762 ug/l
RT: 12.863 min Scan# 1866
Delta R.T. 0.000 min
Lab File: VN074455.D
Acq: 15 Sep 2022 11:24

Tgt Ion: 91 Resp: 740628

Ion	Ratio	Lower	Upper
91	100		
120	21.7	11.9	35.5

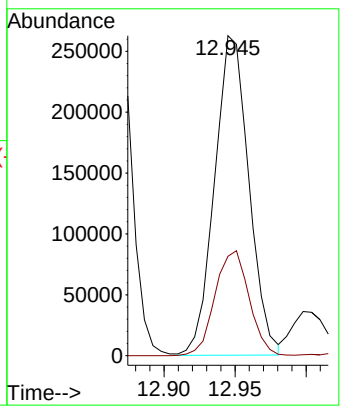




#79
2-Chlorotoluene
Concen: 25.880 ug/l
RT: 12.945 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN074455.D
Acq: 15 Sep 2022 11:24

Tgt Ion: 91 Resp: 44062

Ion	Ratio	Lower	Upper
91	100		
126	32.8	17.3	51.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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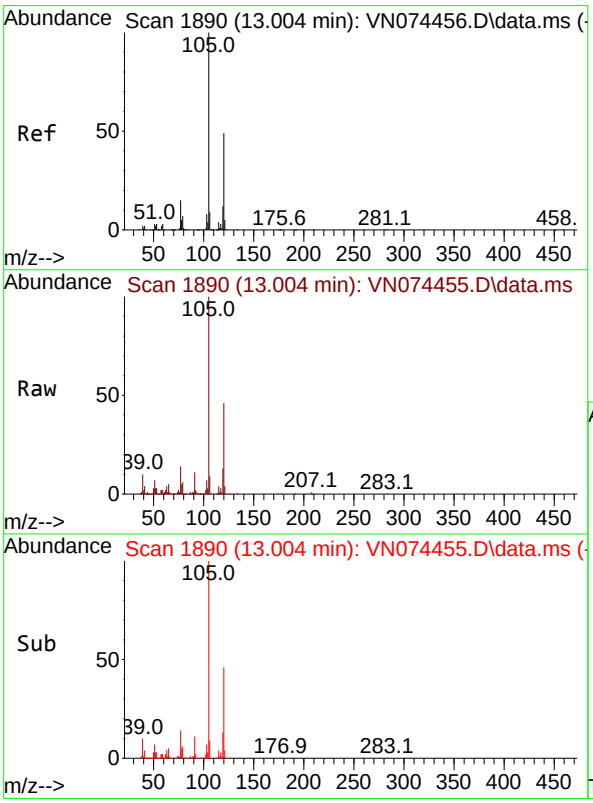
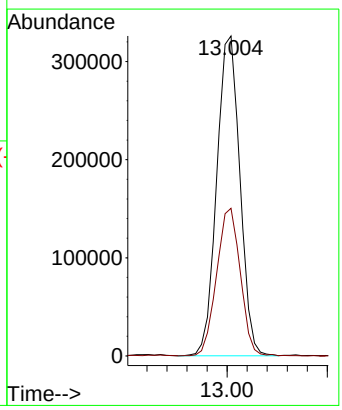
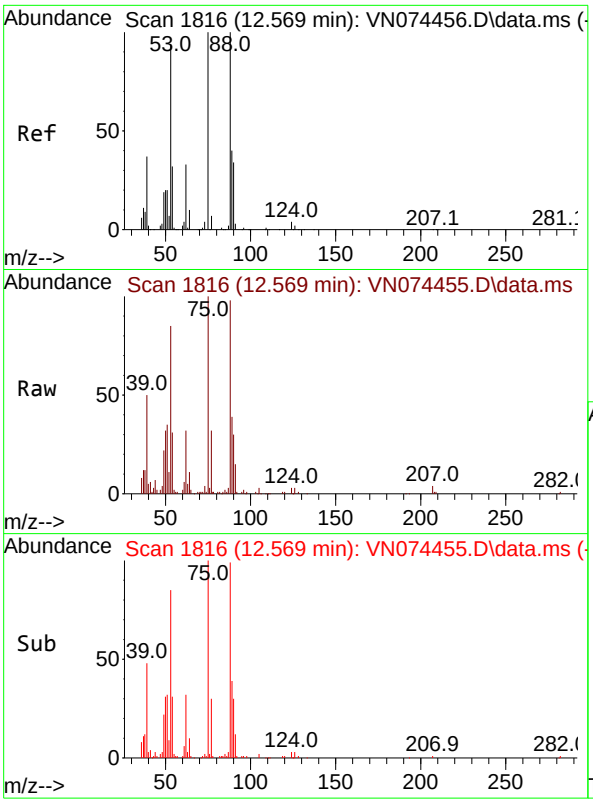


#80
1,3,5-Trimethylbenzene
Concen: 26.683 ug/l
RT: 13.004 min Scan# 1890
Delta R.T. 0.000 min
Lab File: VN074455.D
Acq: 15 Sep 2022 11:24

Tgt Ion:105 Resp: 522664

Ion	Ratio	Lower	Upper
105	100		
120	47.4	24.9	74.7

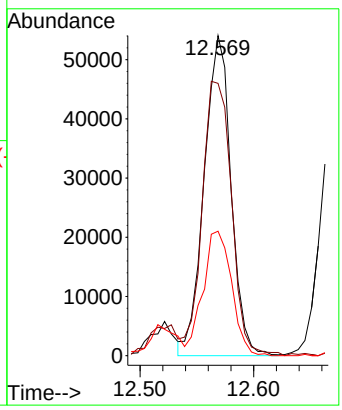




#81
trans-1,4-Dichloro-2-butene
Concen: 30.678 ug/l
RT: 12.569 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074455.D
Acq: 15 Sep 2022 11:24

Tgt Ion: 75 Resp: 8891

Ion	Ratio	Lower	Upper
75	100		
53	93.9	78.0	117.0
89	41.5	37.2	55.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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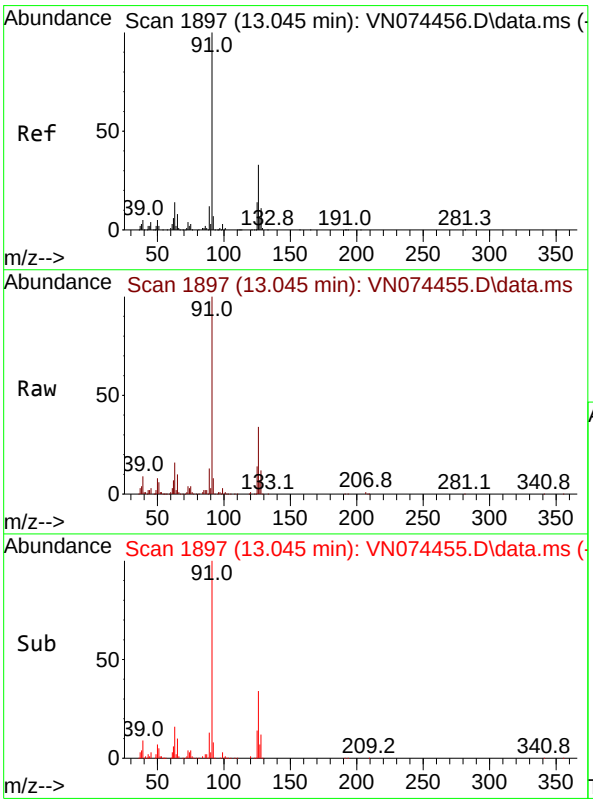
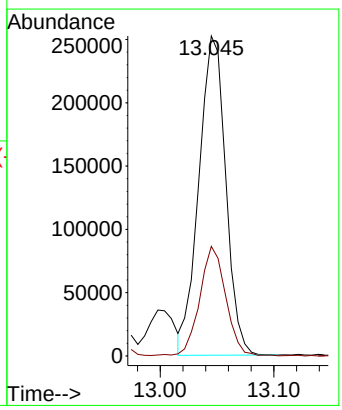
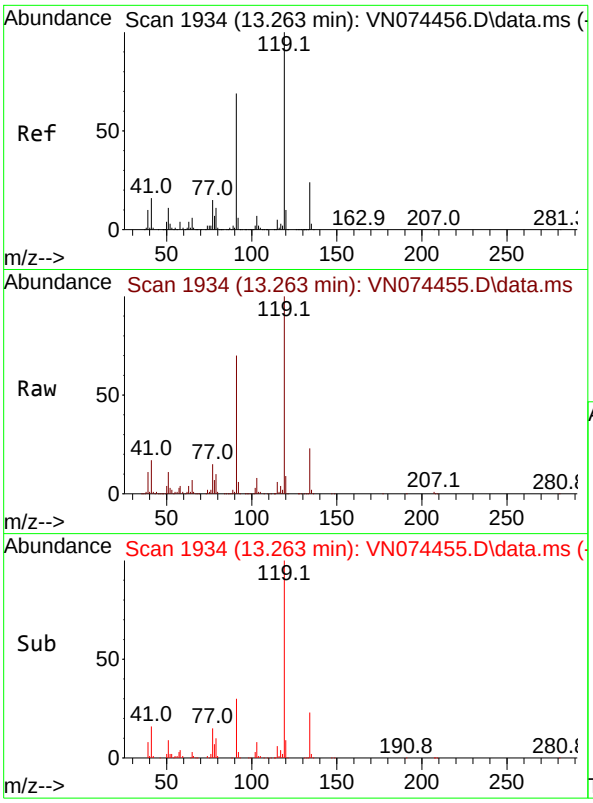


#82
4-Chlorotoluene
Concen: 25.754 ug/l
RT: 13.045 min Scan# 1897
Delta R.T. 0.000 min
Lab File: VN074455.D
Acq: 15 Sep 2022 11:24

Tgt Ion: 91 Resp: 414440

Ion	Ratio	Lower	Upper
91	100		
126	33.2	17.2	51.6

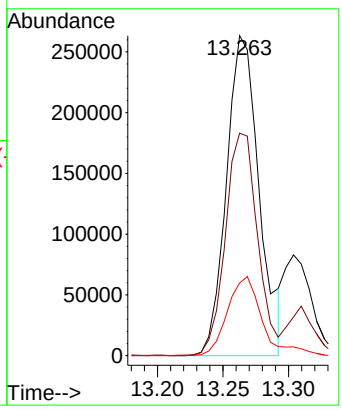




#83
tert-Butylbenzene
Concen: 25.607 ug/l
RT: 13.263 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074455.D
Acq: 15 Sep 2022 11:24

Tgt Ion:119 Resp: 45726

Ion	Ratio	Lower	Upper
119	100		
91	68.2	31.6	94.8
134	26.3	13.7	41.1



Instrument :
MSVOA_N
ClientSampleId :
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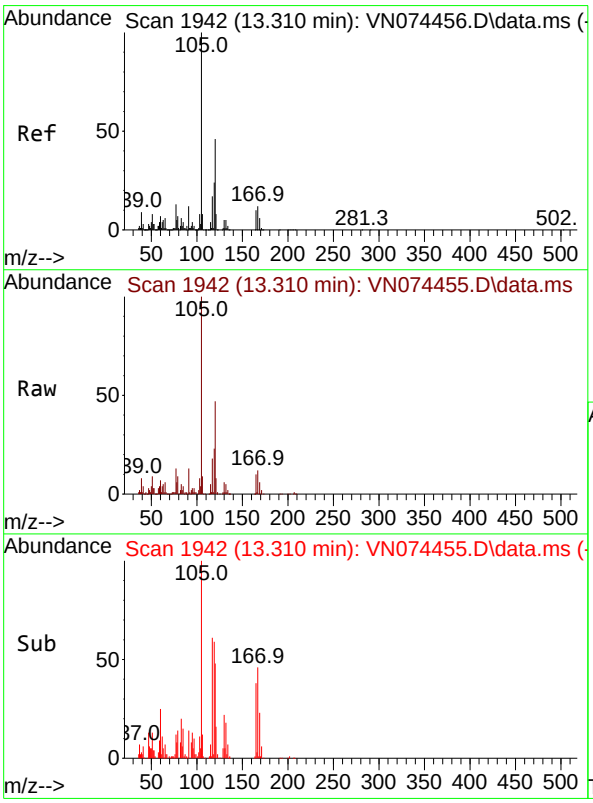
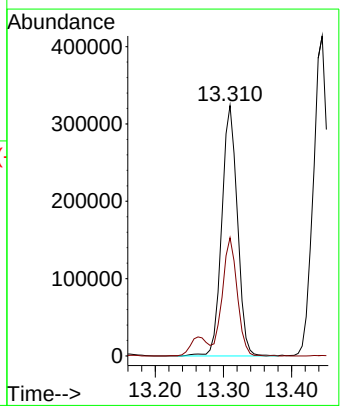
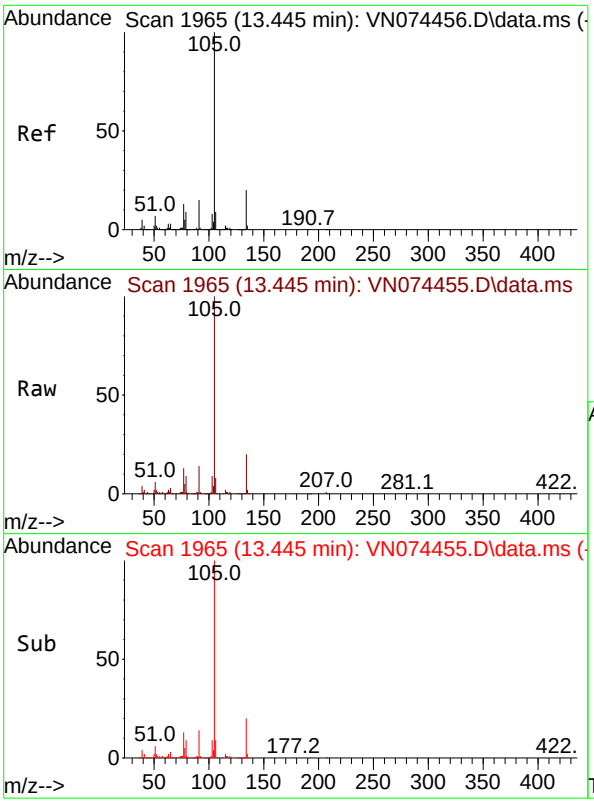


#84
1,2,4-Trimethylbenzene
Concen: 26.375 ug/l
RT: 13.310 min Scan# 1942
Delta R.T. 0.000 min
Lab File: VN074455.D
Acq: 15 Sep 2022 11:24

Tgt Ion:105 Resp: 515165

Ion	Ratio	Lower	Upper
105	100		
120	45.2	23.3	69.8

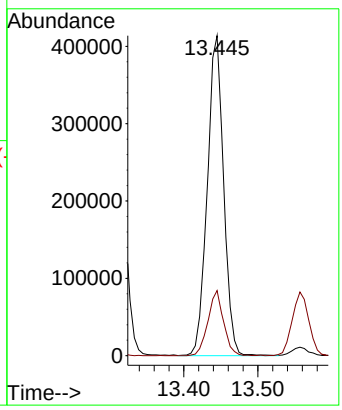




#85
sec-Butylbenzene
Concen: 26.257 ug/l
RT: 13.445 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074455.D
Acq: 15 Sep 2022 11:24

Tgt Ion:105 Resp: 63293

Ion	Ratio	Lower	Upper
105	100		
134	19.5	10.4	31.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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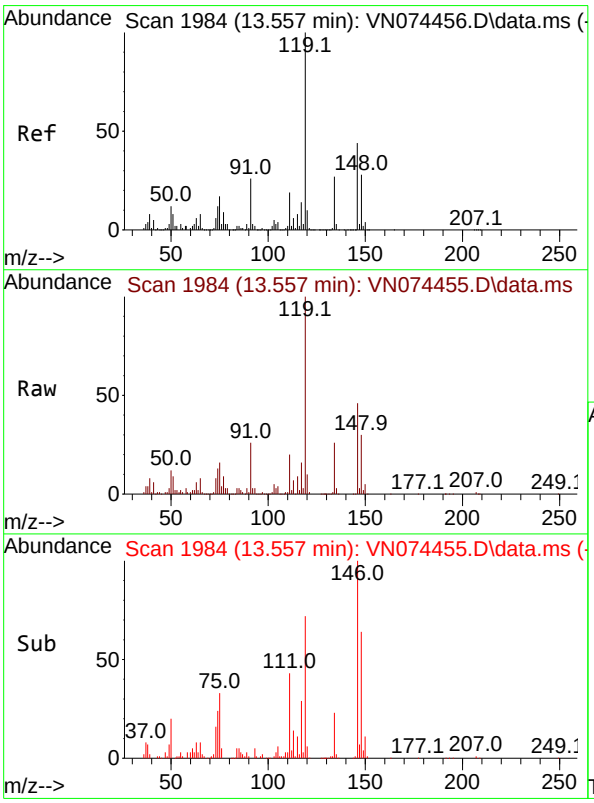
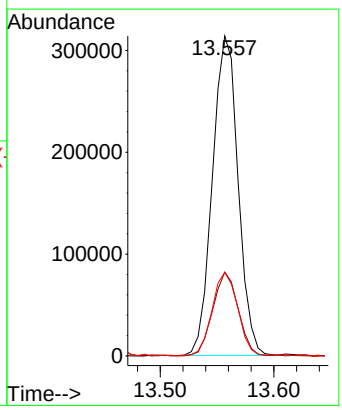
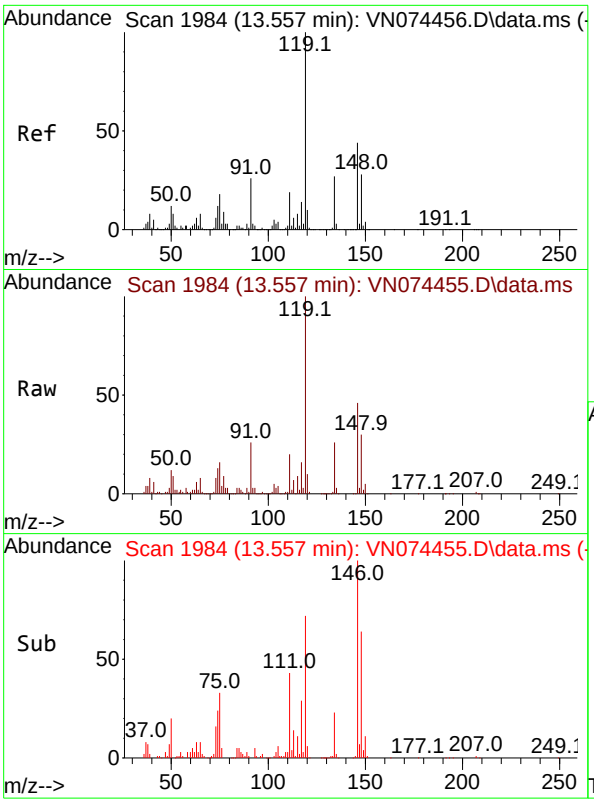


#86
p-Isopropyltoluene
Concen: 25.405 ug/l
RT: 13.557 min Scan# 1984
Delta R.T. 0.000 min
Lab File: VN074455.D
Acq: 15 Sep 2022 11:24

Tgt Ion:119 Resp: 492265

Ion	Ratio	Lower	Upper
119	100		
134	26.2	13.3	39.8
91	26.1	11.3	33.9

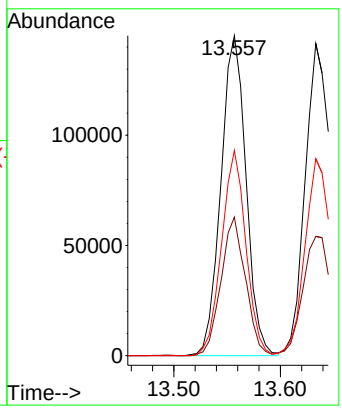




#87
1,3-Dichlorobenzene
Concen: 23.576 ug/l
RT: 13.557 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074455.D
Acq: 15 Sep 2022 11:24

Tgt Ion:146 Resp: 23777

Ion	Ratio	Lower	Upper
146	100		
111	42.3	20.0	60.0
148	62.1	32.0	96.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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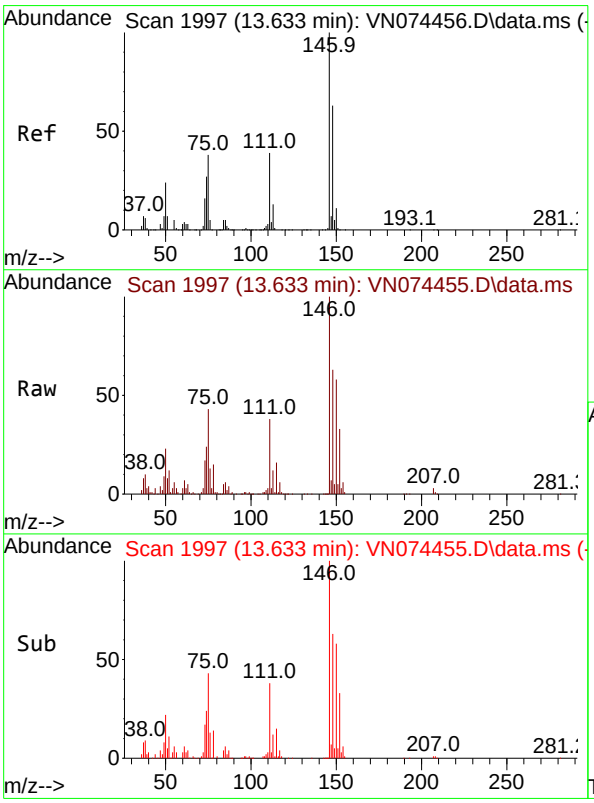
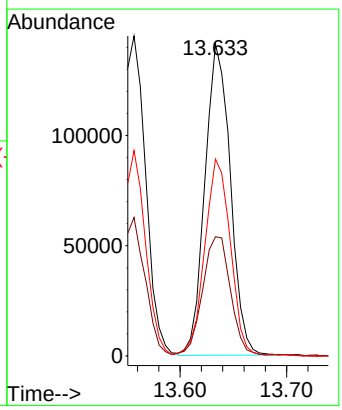
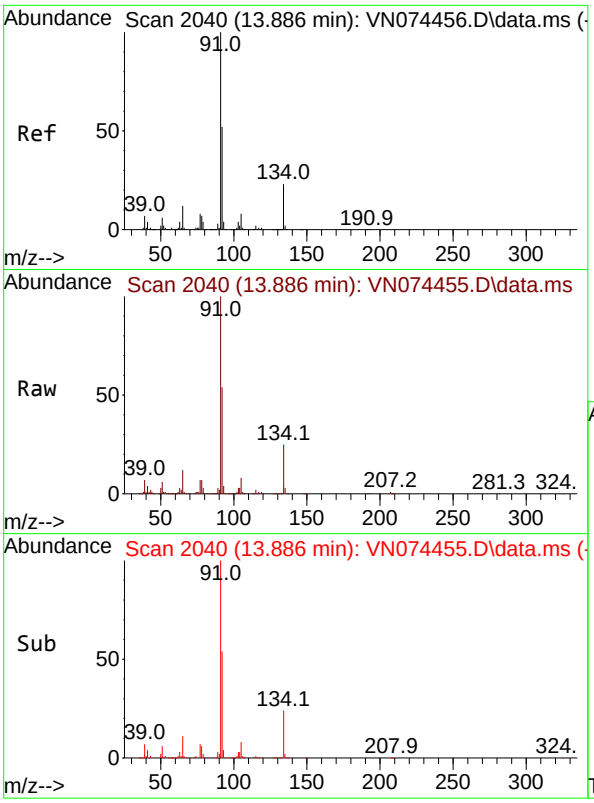


#88
1,4-Dichlorobenzene
Concen: 23.125 ug/l
RT: 13.633 min Scan# 1997
Delta R.T. 0.000 min
Lab File: VN074455.D
Acq: 15 Sep 2022 11:24

Tgt Ion:146 Resp: 234599

Ion	Ratio	Lower	Upper
146	100		
111	41.7	19.1	57.1
148	63.5	31.4	94.3

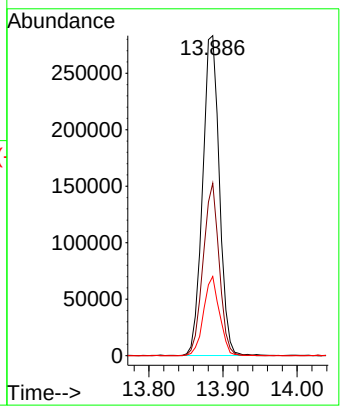




#89
n-Butylbenzene
Concen: 27.514 ug/l
RT: 13.886 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN074455.D
Acq: 15 Sep 2022 11:24

Tgt Ion: 91 Resp: 44376

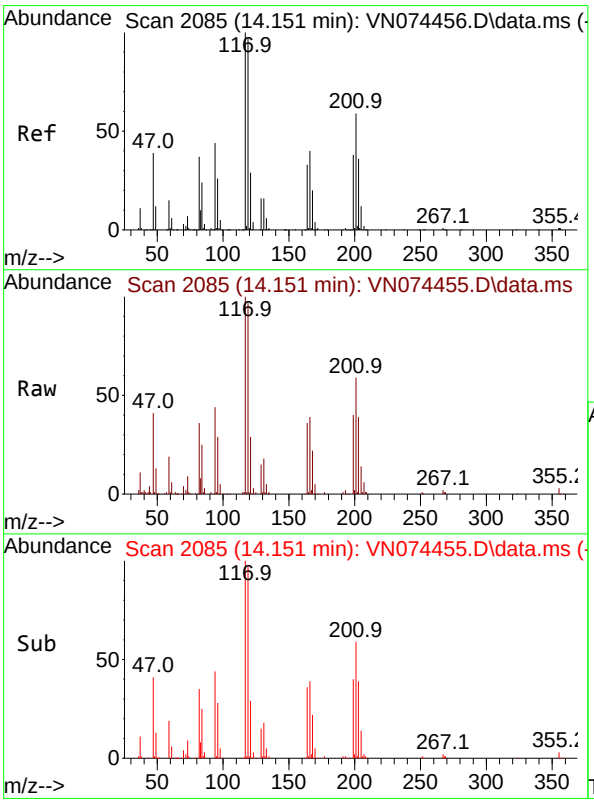
Ion	Ratio	Lower	Upper
91	100		
92	51.7	26.9	80.7
134	23.7	13.6	40.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

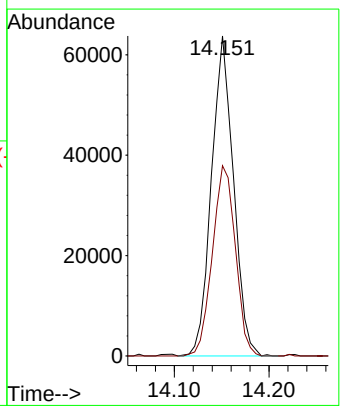
Reviewed By :John Carlone 09/16/2022
Supervised By :Mahesh Dadoda 09/16/2022

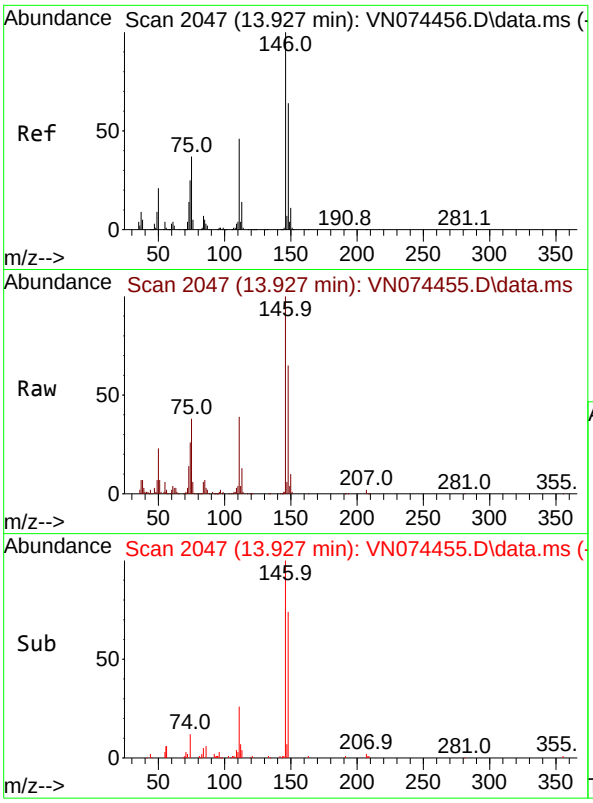


#90
Hexachloroethane
Concen: 27.670 ug/l
RT: 14.151 min Scan# 2085
Delta R.T. 0.000 min
Lab File: VN074455.D
Acq: 15 Sep 2022 11:24

Tgt Ion:117 Resp: 103054

Ion	Ratio	Lower	Upper
117	100		
201	62.0	40.6	122.0

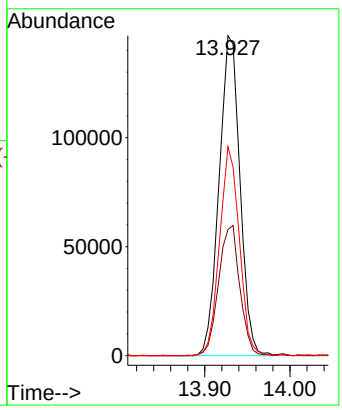




#91
1,2-Dichlorobenzene
Concen: 23.960 ug/l
RT: 13.927 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN074455.D
Acq: 15 Sep 2022 11:24

Tgt Ion:146 Resp: 25050

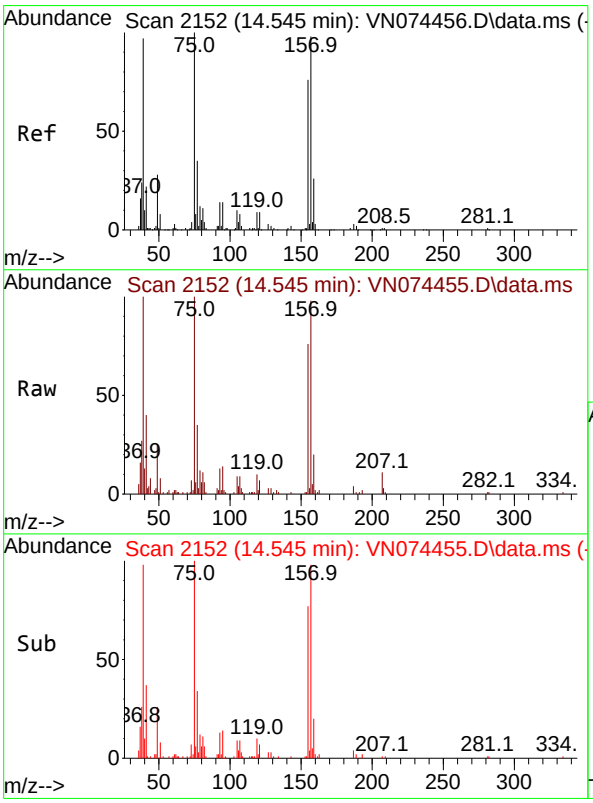
Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.9	62.8
148	61.7	32.1	96.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

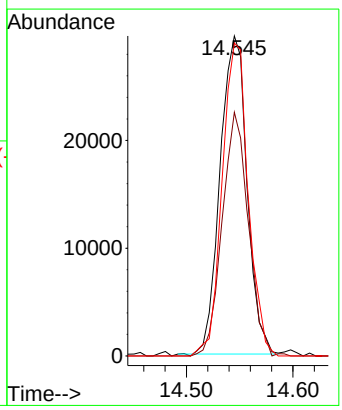
Reviewed By :John Carlone 09/16/2022
Supervised By :Mahesh Dadoda 09/16/2022

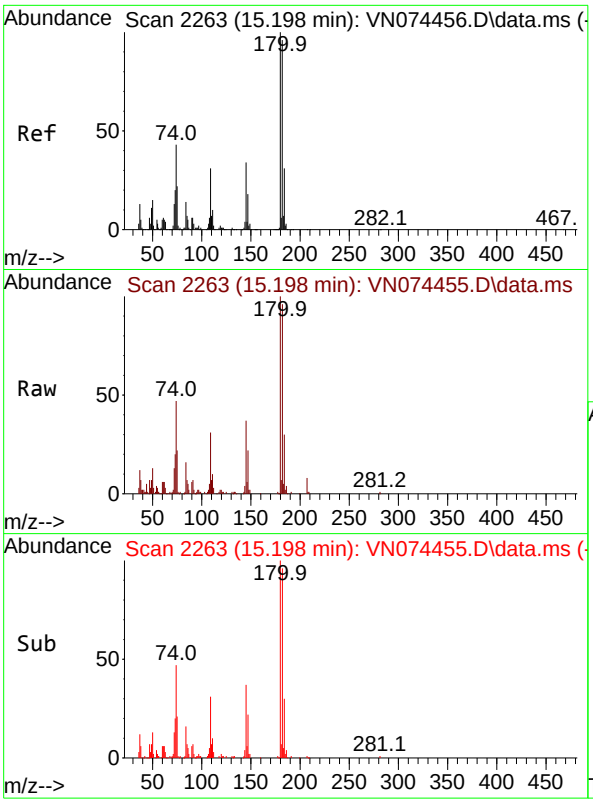


#92
1,2-Dibromo-3-Chloropropane
Concen: 22.548 ug/l
RT: 14.545 min Scan# 2152
Delta R.T. 0.000 min
Lab File: VN074455.D
Acq: 15 Sep 2022 11:24

Tgt Ion: 75 Resp: 51697

Ion	Ratio	Lower	Upper
75	100		
155	74.8	44.9	134.5
157	95.5	59.0	176.8

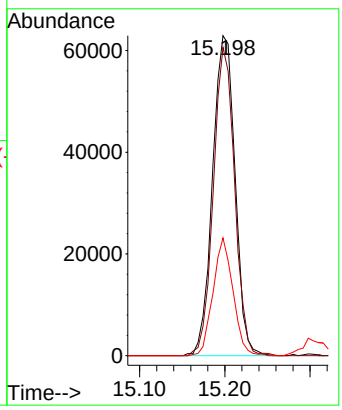




#93
1,2,4-Trichlorobenzene
Concen: 20.435 ug/l
RT: 15.198 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN074455.D
Acq: 15 Sep 2022 11:24

Tgt Ion:180 Resp: 11545

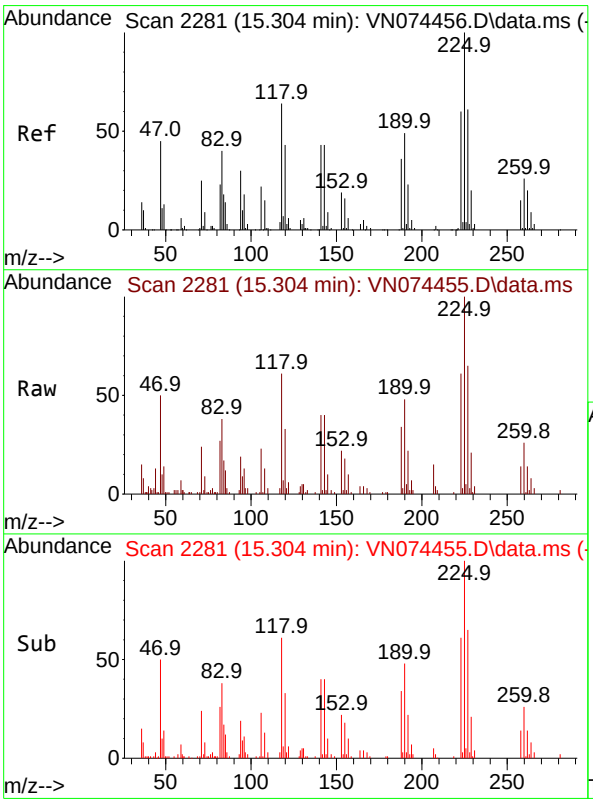
Ion	Ratio	Lower	Upper
180	100		
182	91.2	47.5	142.5
145	32.7	14.5	43.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

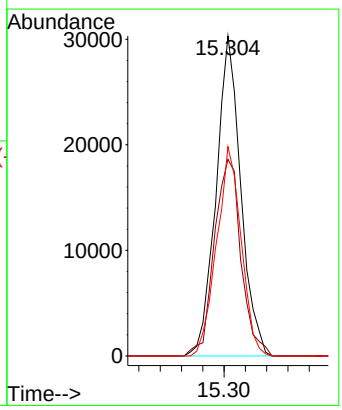
Reviewed By :John Carlone 09/16/2022
Supervised By :Mahesh Dadoda 09/16/2022

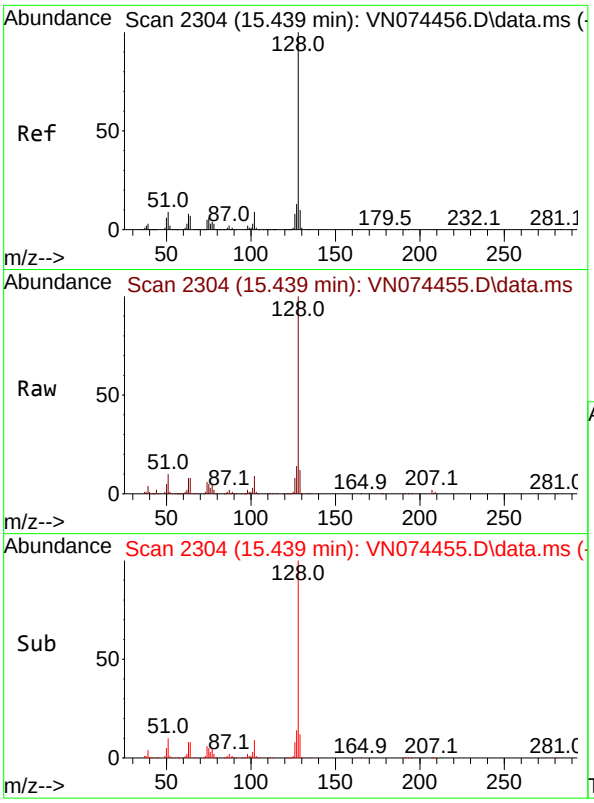


#94
Hexachlorobutadiene
Concen: 19.931 ug/l
RT: 15.304 min Scan# 2281
Delta R.T. 0.000 min
Lab File: VN074455.D
Acq: 15 Sep 2022 11:24

Tgt Ion:225 Resp: 48777

Ion	Ratio	Lower	Upper
225	100		
223	66.5	32.4	97.2
227	64.8	31.8	95.4

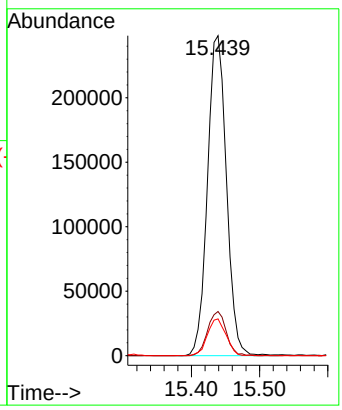




#95
Naphthalene
Concen: 20.721 ug/l
RT: 15.439 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN074455.D
Acq: 15 Sep 2022 11:24

Tgt Ion:128 Resp: 48134

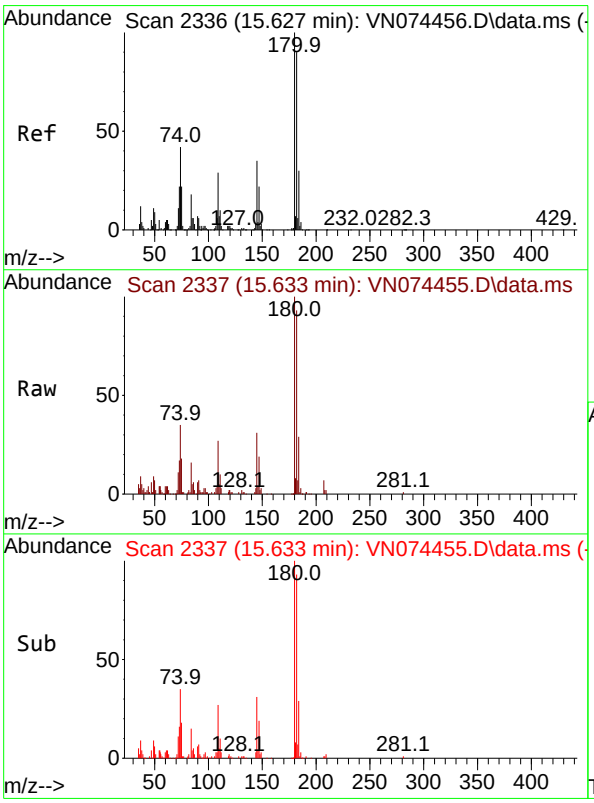
Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.3	15.5
129	11.3	8.6	13.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

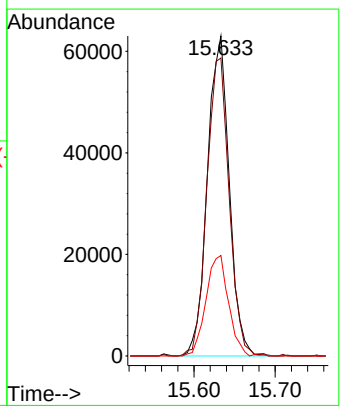
Reviewed By :John Carlone 09/16/2022
Supervised By :Mahesh Dadoda 09/16/2022



#96
1,2,3-Trichlorobenzene
Concen: 19.451 ug/l
RT: 15.633 min Scan# 2337
Delta R.T. 0.006 min
Lab File: VN074455.D
Acq: 15 Sep 2022 11:24

Tgt Ion:180 Resp: 117757

Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.8	143.3
145	32.6	15.5	46.5



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091522\
Data File : VN074456.D
Acq On : 15 Sep 2022 11:48
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 15 19:07:27 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 15 19:05:53 2022
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 09/16/2022
Supervised By :Mahesh Dadoda 09/16/2022

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.016	168	452199	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	847425	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	770573	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	355322	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	361910	57.098	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 114.200%			
35) Dibromofluoromethane	7.951	113	278361	52.685	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.380%			
50) Toluene-d8	10.380	98	1044867	53.190	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.380%			
62) 4-Bromofluorobenzene	12.674	95	379262	53.598	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 107.200%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.040	85	210166	49.434	ug/l	92
3) Chloromethane	2.263	50	378987	70.827	ug/l	97
4) Vinyl Chloride	2.404	62	380861	85.202	ug/l	98
5) Bromomethane	2.781	94	215772	105.215	ug/l	100
6) Chloroethane	2.951	64	259991	90.295	ug/l	97
7) Trichlorofluoromethane	3.310	101	427941	63.470	ug/l	96
8) Diethyl Ether	3.757	74	218242	63.750	ug/l	84
9) 1,1,2-Trichlorotrifluo...	4.140	101	266153	58.990	ug/l	91
10) Methyl Iodide	4.346	142	337789	63.382	ug/l	95
11) Tert butyl alcohol	5.281	59	530314	315.450	ug/l	99
12) 1,1-Dichloroethene	4.104	96	266868	59.446	ug/l	95
13) Acrolein	3.975	56	218762	325.450	ug/l	97
14) Allyl chloride	4.757	41	633274	64.419	ug/l	95
15) Acrylonitrile	5.469	53	1283961	330.798	ug/l	99
16) Acetone	4.216	43	1057762	300.381	ug/l	98
17) Carbon Disulfide	4.457	76	716138	61.462	ug/l	99
18) Methyl Acetate	4.769	43	662442	68.049	ug/l	91
19) Methyl tert-butyl Ether	5.522	73	1128361	65.502	ug/l	95
20) Methylene Chloride	5.010	84	337802	56.995	ug/l #	83
21) trans-1,2-Dichloroethene	5.504	96	298616	60.576	ug/l	93
22) Diisopropyl ether	6.410	45	1306768	70.134	ug/l	95
23) Vinyl Acetate	6.345	43	5938024	346.888	ug/l #	93
24) 1,1-Dichloroethane	6.304	63	633068	65.762	ug/l	99
25) 2-Butanone	7.257	43	1873767	329.691	ug/l #	88
26) 2,2-Dichloropropane	7.245	77	532310	61.971	ug/l	98
27) cis-1,2-Dichloroethene	7.245	96	371861	62.656	ug/l	93
28) Bromochloromethane	7.581	49	188664	50.739	ug/l #	71
29) Tetrahydrofuran	7.604	42	1253674	332.760	ug/l	87
30) Chloroform	7.745	83	606215	63.018	ug/l	97
31) Cyclohexane	8.022	56	591332	65.150	ug/l	86
32) 1,1,1-Trichloroethane	7.939	97	510553	61.047	ug/l	95
36) 1,1-Dichloropropene	8.151	75	448722	60.752	ug/l	96
37) Ethyl Acetate	7.334	43	735989	61.879	ug/l #	95
38) Carbon Tetrachloride	8.133	117	427707	56.173	ug/l	96
39) Methylcyclohexane	9.392	83	564663	63.048	ug/l	93
40) Benzene	8.386	78	1443555	61.989	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091522\
Data File : VN074456.D
Acq On : 15 Sep 2022 11:48
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 15 19:07:27 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 15 19:05:53 2022
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 09/16/2022
Supervised By :Mahesh Dadoda 09/16/2022

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.563	41	341577	60.720	ug/l		90
42) 1,2-Dichloroethane	8.463	62	498548	60.745	ug/l		98
43) Isopropyl Acetate	8.492	43	1127023	65.771	ug/l	#	93
44) Trichloroethene	9.151	130	296619	52.135	ug/l		84
45) 1,2-Dichloropropane	9.428	63	391056	64.853	ug/l		98
46) Dibromomethane	9.516	93	243867	60.948	ug/l	#	84
47) Bromodichloromethane	9.698	83	489976	61.614	ug/l		97
48) Methyl methacrylate	9.498	41	488730	63.033	ug/l		89
49) 1,4-Dioxane	9.504	88	191163	1124.110	ug/l	#	93
51) 4-Methyl-2-Pentanone	10.269	43	3807852	337.998	ug/l		91
52) Toluene	10.445	92	876703	61.580	ug/l		98
53) t-1,3-Dichloropropene	10.657	75	580089	66.909	ug/l		100
54) cis-1,3-Dichloropropene	10.127	75	614325	64.977	ug/l	#	89
55) 1,1,2-Trichloroethane	10.839	97	354099	57.101	ug/l		98
56) Ethyl methacrylate	10.704	69	652505	64.662	ug/l	#	84
57) 1,3-Dichloropropane	10.986	76	628030	60.468	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.980	63	1483354	333.402	ug/l		91
59) 2-Hexanone	11.027	43	2924196	336.421	ug/l		90
60) Dibromochloromethane	11.180	129	351655	60.574	ug/l		99
61) 1,2-Dibromoethane	11.286	107	358941	58.974	ug/l		100
64) Tetrachloroethene	10.916	164	236920	50.398	ug/l		94
65) Chlorobenzene	11.710	112	889153	57.555	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.780	131	324701	55.683	ug/l		98
67) Ethyl Benzene	11.786	91	1679013	61.083	ug/l		99
68) m/p-Xylenes	11.892	106	1268831	118.241	ug/l		94
69) o-Xylene	12.221	106	640627	59.584	ug/l		97
70) Styrene	12.233	104	1067942	61.657	ug/l		98
71) Bromoform	12.398	173	253333	57.941	ug/l		98
73) Isopropylbenzene	12.521	105	1639424	57.794	ug/l		99
74) N-amyl acetate	12.327	43	987789	65.212	ug/l	#	89
75) 1,1,2,2-Tetrachloroethane	12.768	83	622957	60.128	ug/l		98
76) 1,2,3-Trichloropropane	12.821	75	471986m	52.931	ug/l		
77) Bromobenzene	12.804	156	342542	51.742	ug/l		75
78) n-propylbenzene	12.863	91	2004924	63.256	ug/l		94
79) 2-Chlorotoluene	12.951	91	1161142	57.404	ug/l		96
80) 1,3,5-Trimethylbenzene	13.004	105	1365255	58.665	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.569	75	231881	67.342	ug/l		98
82) 4-Chlorotoluene	13.045	91	1117491	58.451	ug/l		96
83) tert-Butylbenzene	13.263	119	1211475	57.103	ug/l		96
84) 1,2,4-Trimethylbenzene	13.310	105	1356804	58.469	ug/l		98
85) sec-Butylbenzene	13.445	105	1734513	60.565	ug/l		97
86) p-Isopropyltoluene	13.557	119	1381712	60.019	ug/l		98
87) 1,3-Dichlorobenzene	13.557	146	647923	54.072	ug/l		98
88) 1,4-Dichlorobenzene	13.633	146	632867	52.507	ug/l		98
89) n-Butylbenzene	13.886	91	1252388	65.357	ug/l		96
90) Hexachloroethane	14.151	117	282694	63.889	ug/l		77
91) 1,2-Dichlorobenzene	13.927	146	651484	52.449	ug/l		97
92) 1,2-Dibromo-3-Chloropr...	14.545	75	142091	52.164	ug/l		82
93) 1,2,4-Trichlorobenzene	15.198	180	322163	47.996	ug/l		96
94) Hexachlorobutadiene	15.304	225	134680	46.321	ug/l		98
95) Naphthalene	15.439	128	1369023	49.604	ug/l		100
96) 1,2,3-Trichlorobenzene	15.627	180	333159	46.320	ug/l		97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091522\
Data File : VN074456.D
Acq On : 15 Sep 2022 11:48
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 15 19:07:27 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 15 19:05:53 2022
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 09/16/2022
Supervised By :Mahesh Dadoda 09/16/2022

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

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

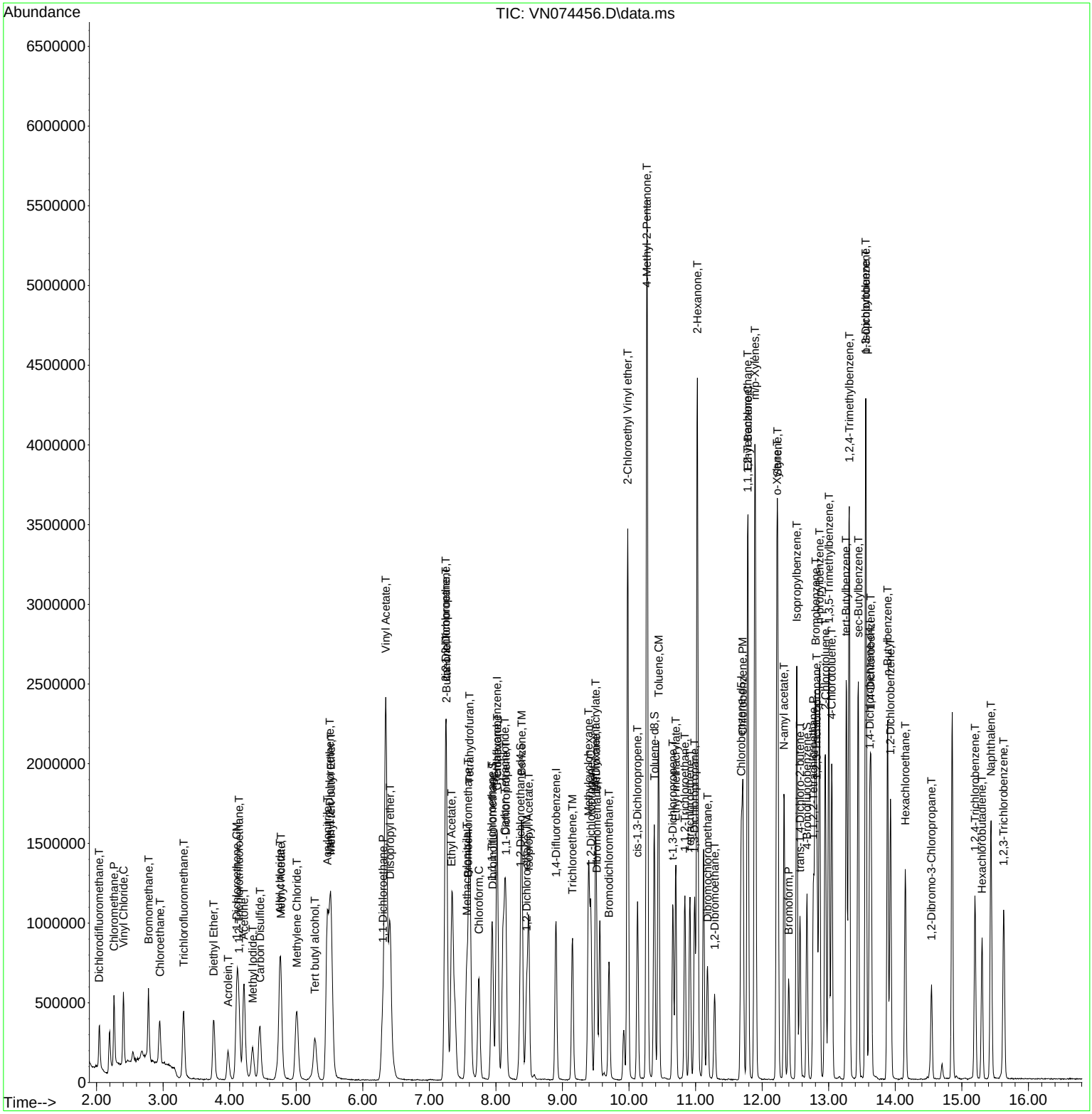
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091522\
Data File : VN074456.D
Acq On : 15 Sep 2022 11:48
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

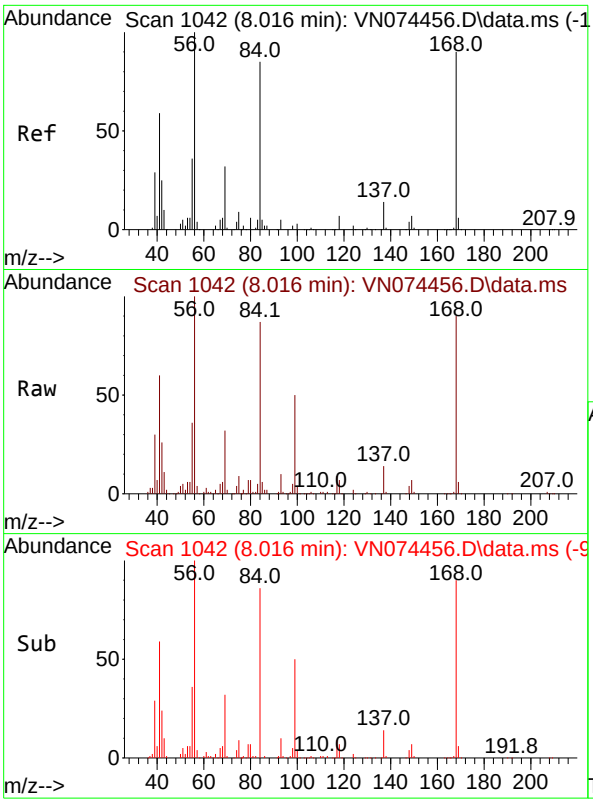
Quant Time: Sep 15 19:07:27 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 15 19:05:53 2022
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 09/16/2022
Supervised By :Mahesh Dadoda 09/16/2022

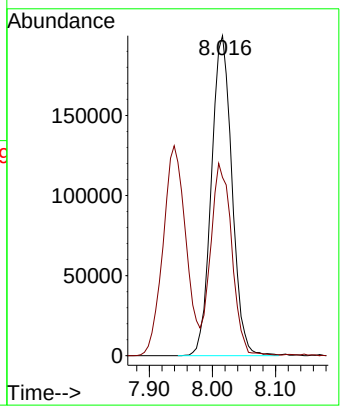




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074456.D
Acq: 15 Sep 2022 11:48

Tgt Ion:168 Resp: 45219

Ion	Ratio	Lower	Upper
168	100		
99	55.4	42.3	63.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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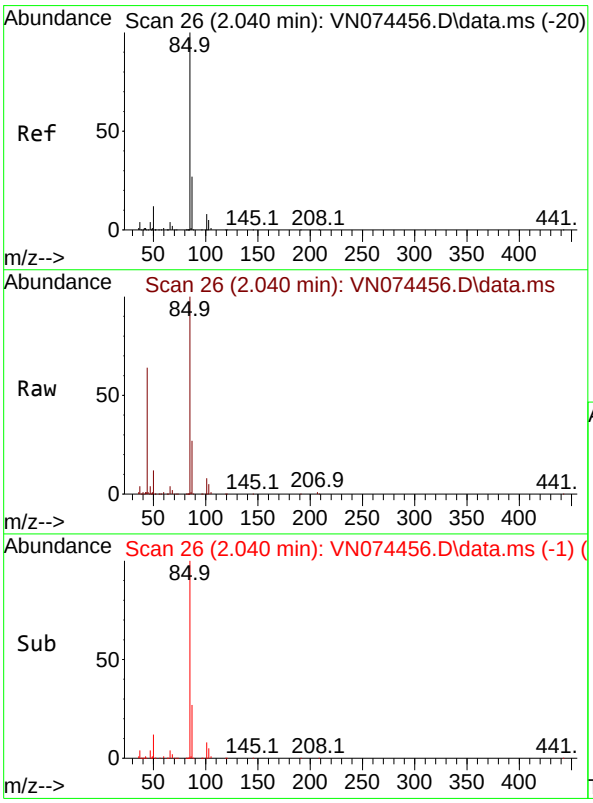
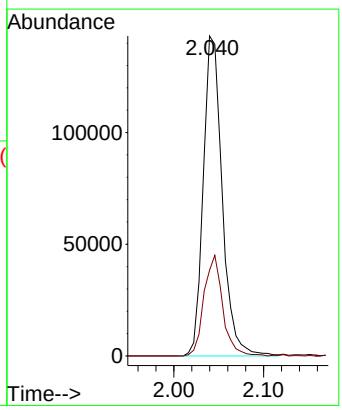
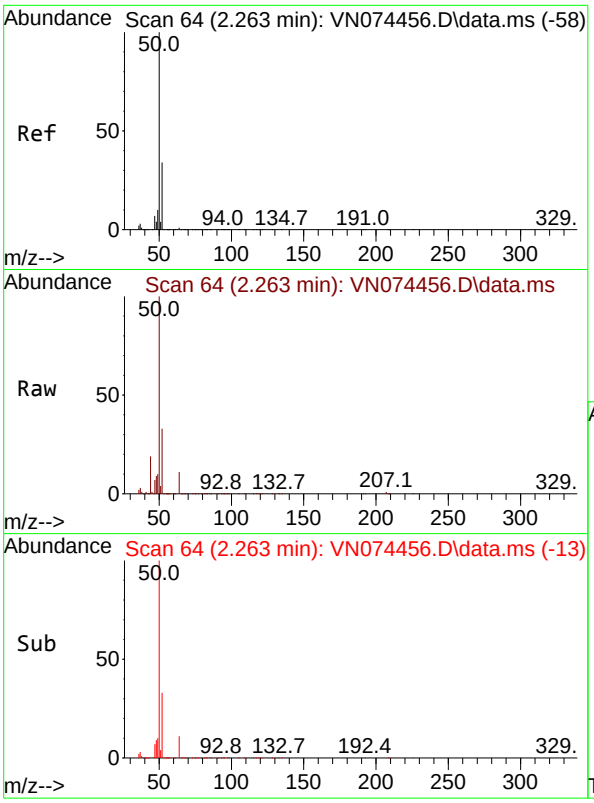


#2
Dichlorodifluoromethane
Concen: 49.434 ug/l
RT: 2.040 min Scan# 26
Delta R.T. 0.000 min
Lab File: VN074456.D
Acq: 15 Sep 2022 11:48

Tgt Ion: 85 Resp: 210166

Ion	Ratio	Lower	Upper
85	100		
87	26.8	15.7	47.1

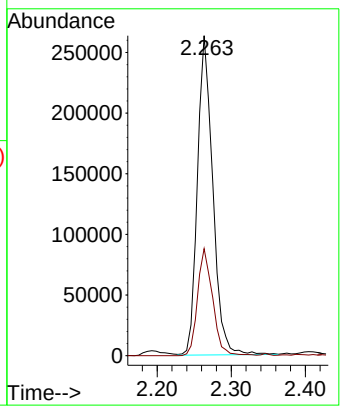




#3
Chloromethane
Concen: 70.827 ug/l
RT: 2.263 min Scan# 64
Delta R.T. 0.000 min
Lab File: VN074456.D
Acq: 15 Sep 2022 11:48

Tgt Ion: 50 Resp: 37898

Ion	Ratio	Lower	Upper
50	100		
52	33.6	25.7	38.5



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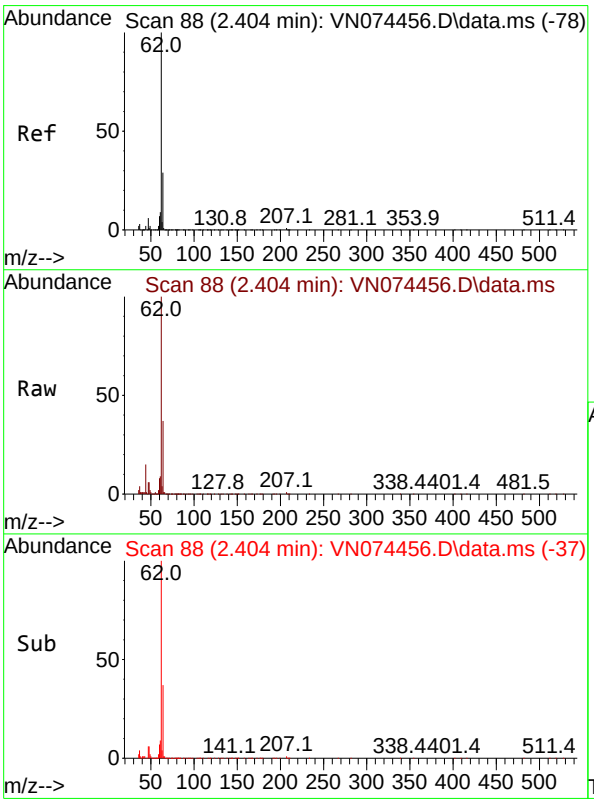
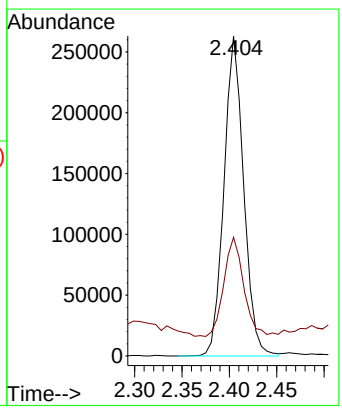
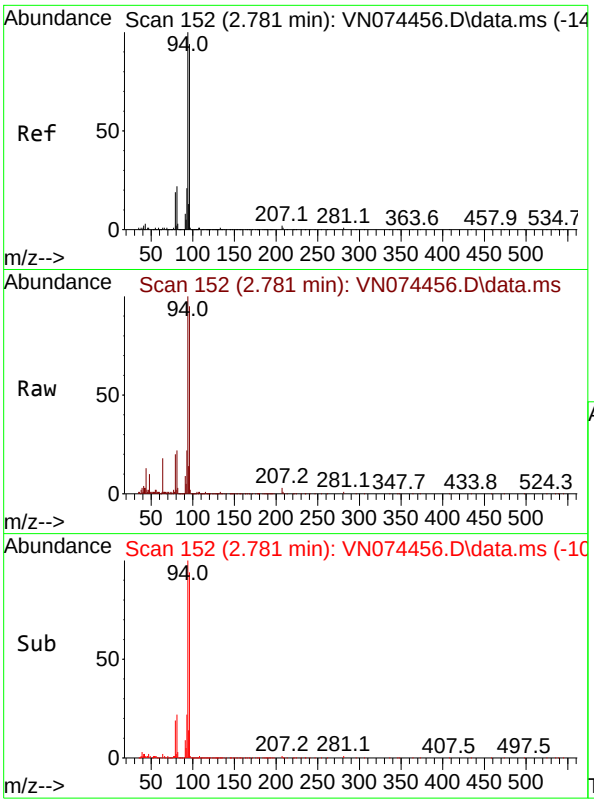


#4
Vinyl Chloride
Concen: 85.202 ug/l
RT: 2.404 min Scan# 88
Delta R.T. 0.000 min
Lab File: VN074456.D
Acq: 15 Sep 2022 11:48

Tgt Ion: 62 Resp: 380861

Ion	Ratio	Lower	Upper
62	100		
64	30.3	25.0	37.4

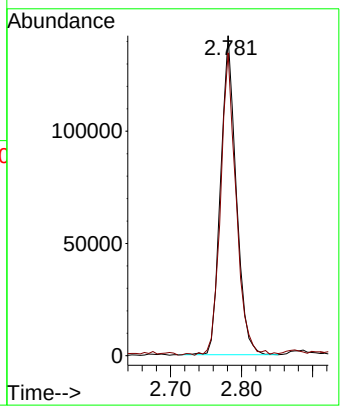




#5
Bromomethane
Concen: 105.215 ug/l
RT: 2.781 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074456.D
Acq: 15 Sep 2022 11:48

Tgt Ion: 94 Resp: 21577

Ion	Ratio	Lower	Upper
94	100		
96	94.7	76.0	114.0



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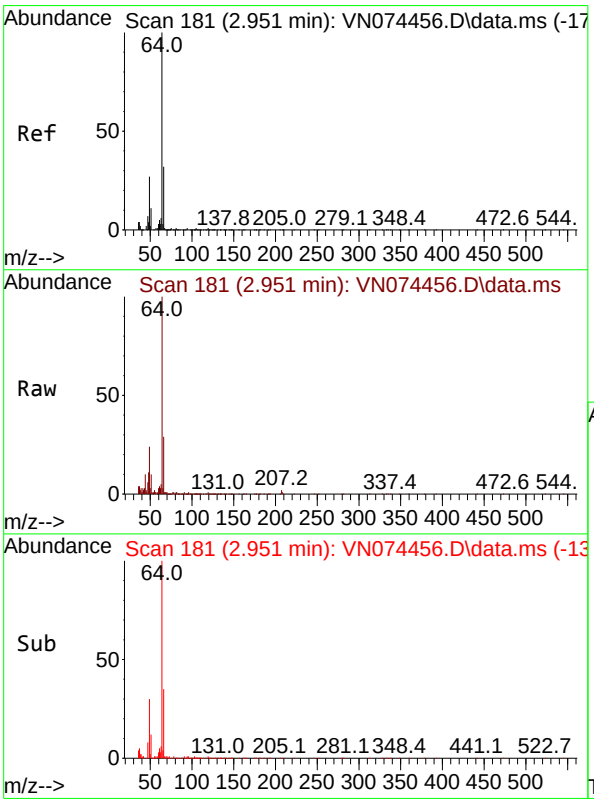
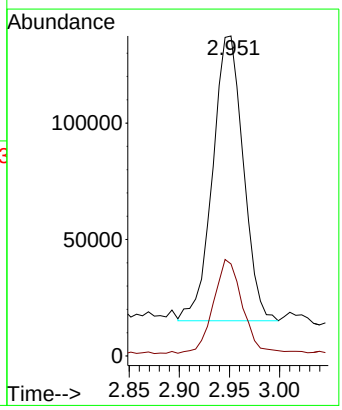
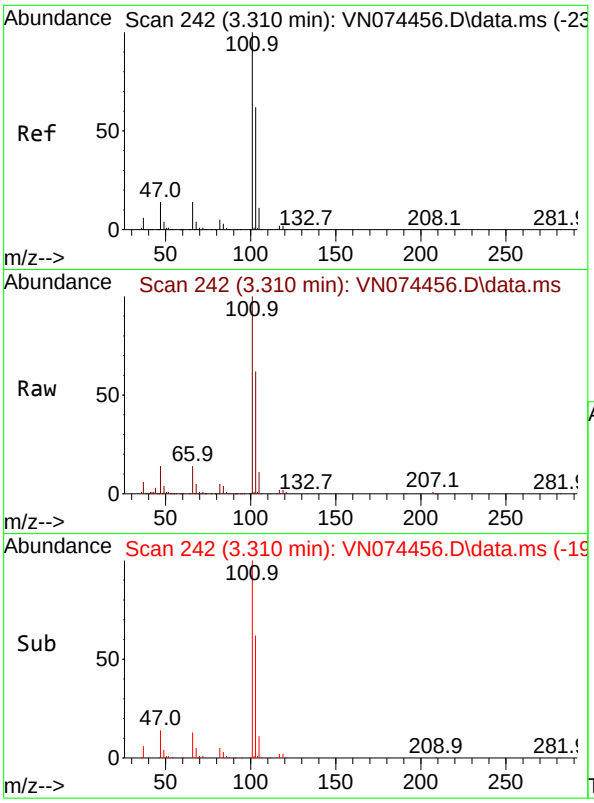


#6
Chloroethane
Concen: 90.295 ug/l
RT: 2.951 min Scan# 181
Delta R.T. 0.000 min
Lab File: VN074456.D
Acq: 15 Sep 2022 11:48

Tgt Ion: 64 Resp: 259991

Ion	Ratio	Lower	Upper
64	100		
66	31.3	26.2	39.4

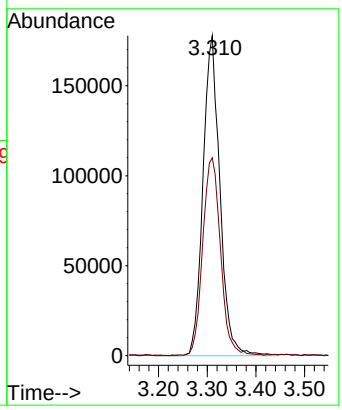




#7
Trichlorofluoromethane
Concen: 63.470 ug/l
RT: 3.310 min Scan# 24
Delta R.T. 0.000 min
Lab File: VN074456.D
Acq: 15 Sep 2022 11:48

Tgt Ion:101 Resp: 42794

Ion	Ratio	Lower	Upper
101	100		
103	61.6	51.5	77.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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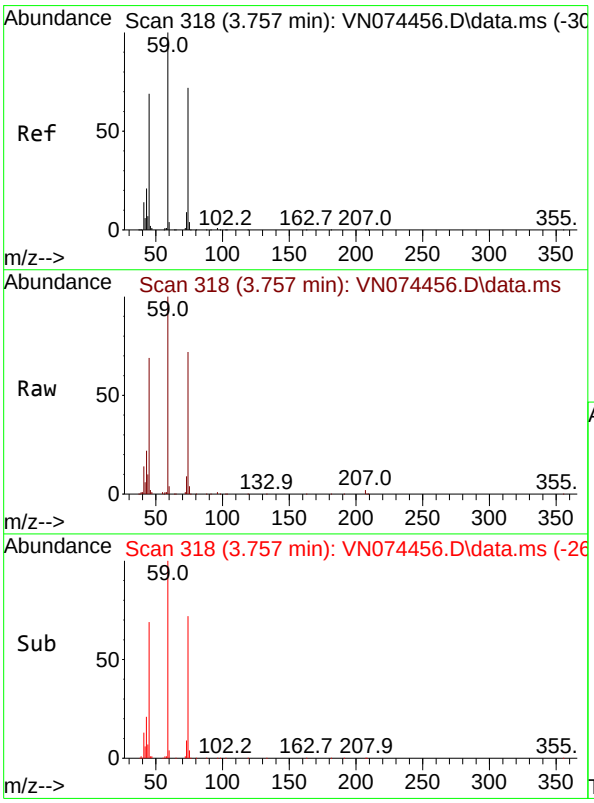
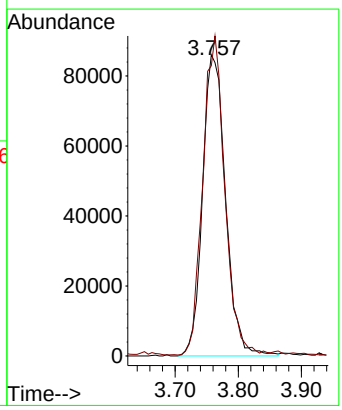
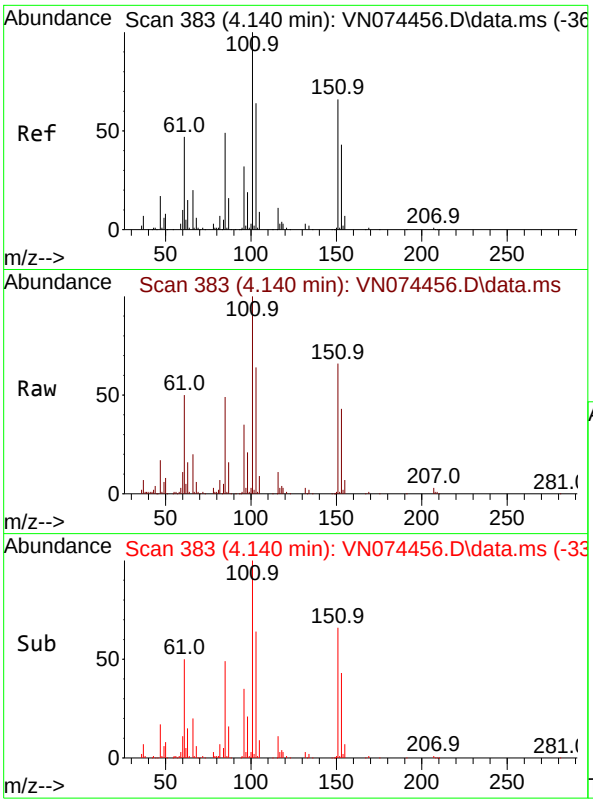


#8
Diethyl Ether
Concen: 63.750 ug/l
RT: 3.757 min Scan# 318
Delta R.T. 0.000 min
Lab File: VN074456.D
Acq: 15 Sep 2022 11:48

Tgt Ion: 74 Resp: 218242

Ion	Ratio	Lower	Upper
74	100		
45	100.6	42.9	128.5

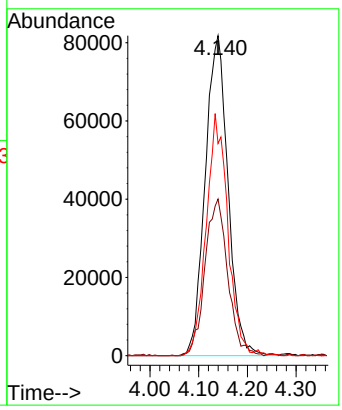




#9
1,1,2-Trichlorotrifluoroethane
Concen: 58.990 ug/l
RT: 4.140 min Scan# 3
Delta R.T. 0.000 min
Lab File: VN074456.D
Acq: 15 Sep 2022 11:48

Tgt Ion:101 Resp: 26615

Ion	Ratio	Lower	Upper
101	100		
85	48.9	34.7	52.1
151	70.9	63.0	94.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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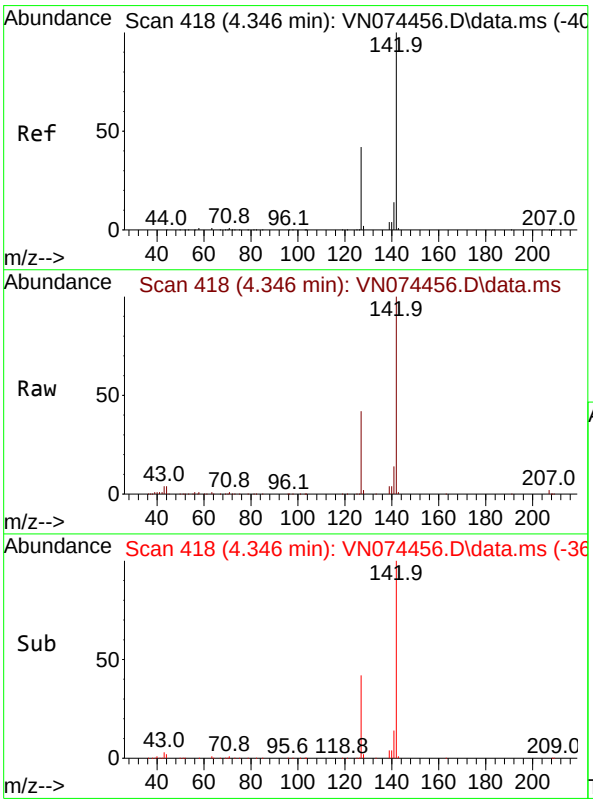
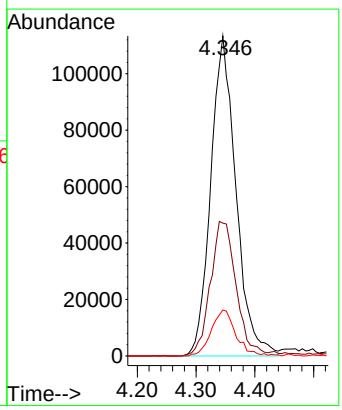
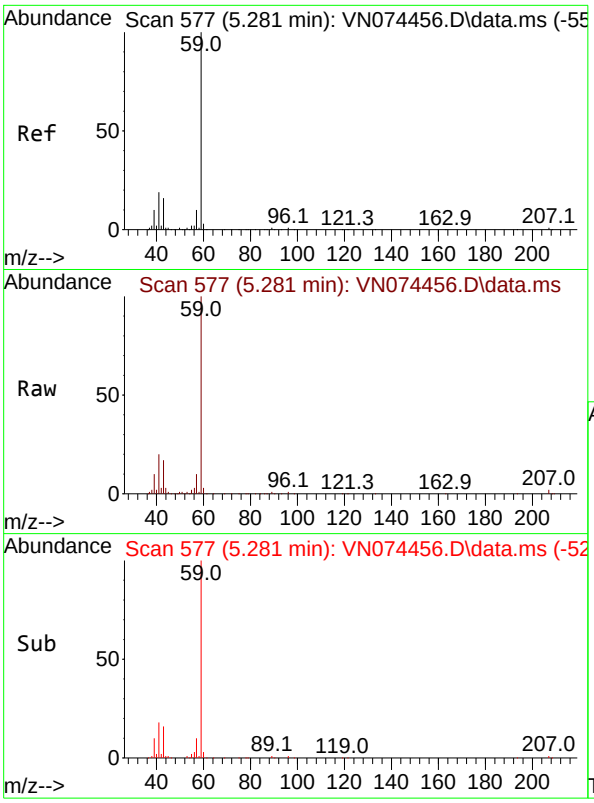


#10
Methyl Iodide
Concen: 63.382 ug/l
RT: 4.346 min Scan# 418
Delta R.T. 0.000 min
Lab File: VN074456.D
Acq: 15 Sep 2022 11:48

Tgt Ion:142 Resp: 337789

Ion	Ratio	Lower	Upper
142	100		
127	42.9	31.3	46.9
141	14.0	11.2	16.8

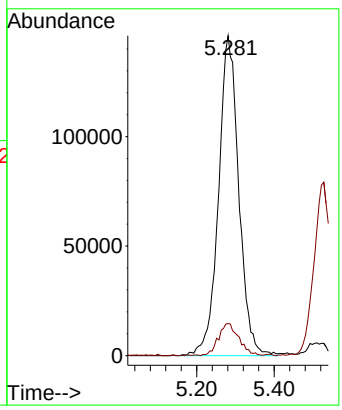




#11
Tert butyl alcohol
Concen: 315.450 ug/l
RT: 5.281 min Scan# 5
Delta R.T. 0.000 min
Lab File: VN074456.D
Acq: 15 Sep 2022 11:48

Tgt Ion: 59 Resp: 53031

Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.3	12.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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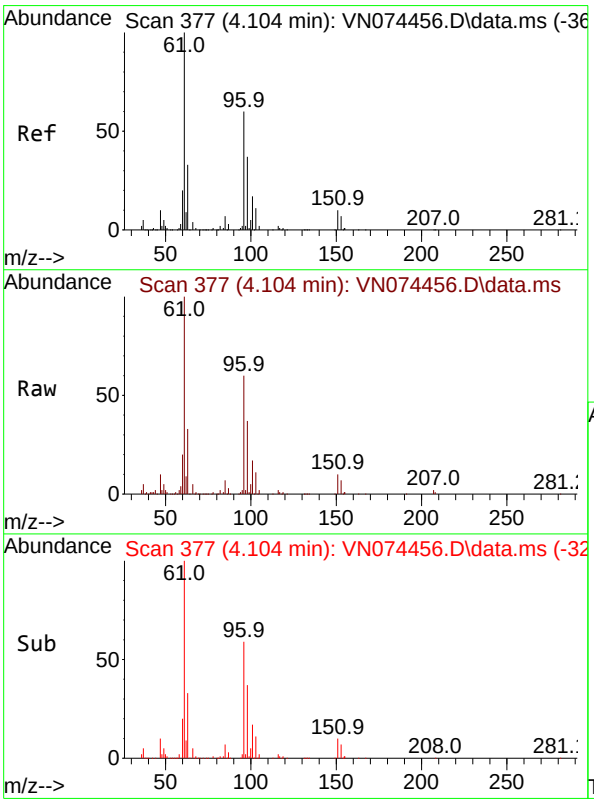
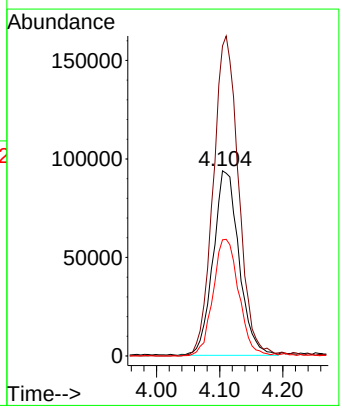
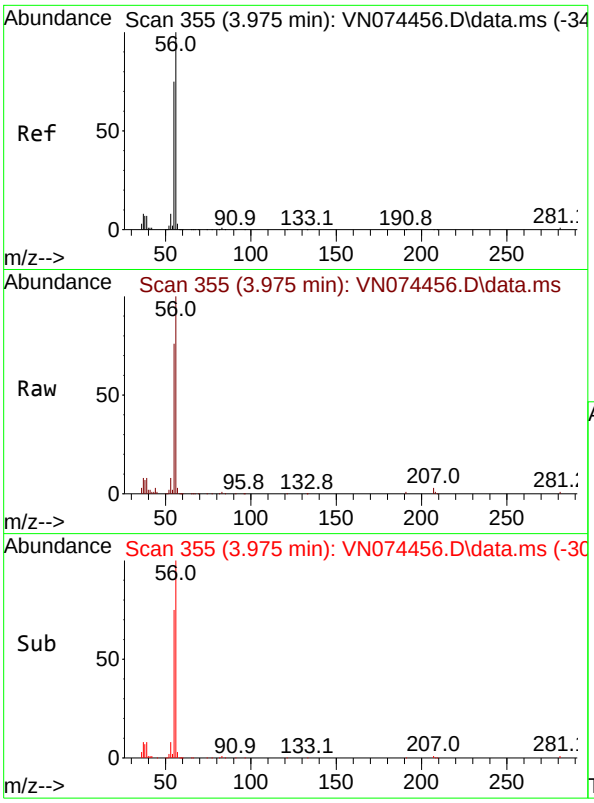


#12
1,1-Dichloroethene
Concen: 59.446 ug/l
RT: 4.104 min Scan# 377
Delta R.T. 0.000 min
Lab File: VN074456.D
Acq: 15 Sep 2022 11:48

Tgt Ion: 96 Resp: 266868

Ion	Ratio	Lower	Upper
96	100		
61	168.0	127.6	191.4
98	62.9	51.2	76.8

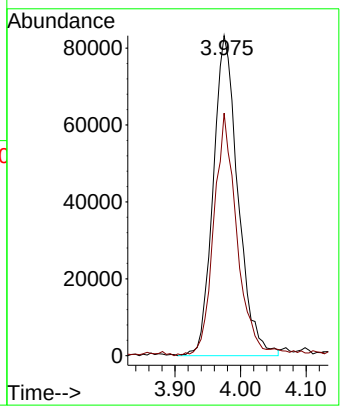




#13
Acrolein
Concen: 325.450 ug/l
RT: 3.975 min Scan# 3
Delta R.T. 0.000 min
Lab File: VN074456.D
Acq: 15 Sep 2022 11:48

Tgt Ion: 56 Resp: 21876

Ion	Ratio	Lower	Upper
56	100		
55	71.0	54.8	82.2



Instrument :
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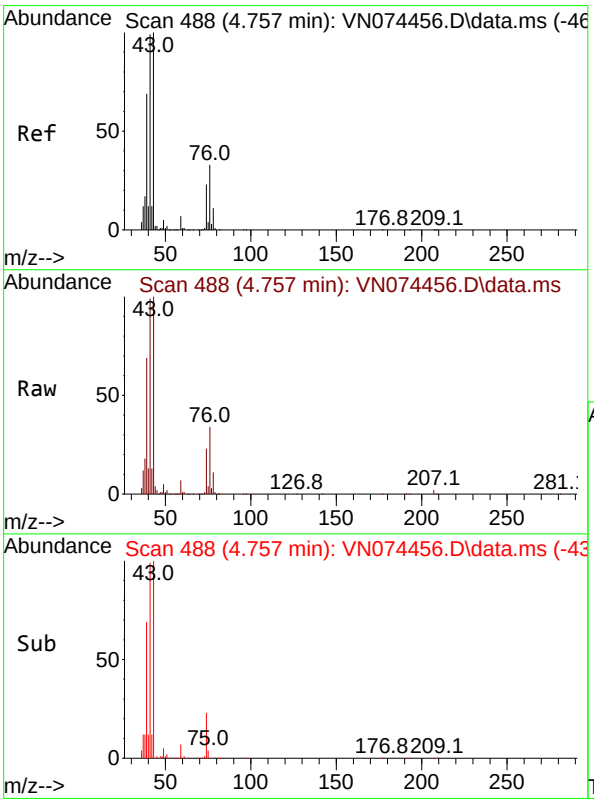
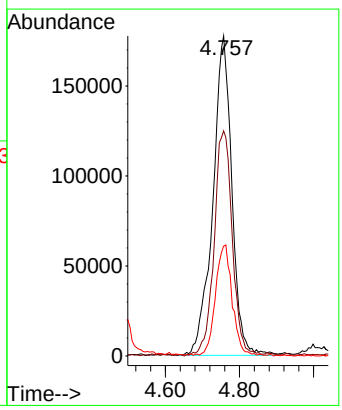
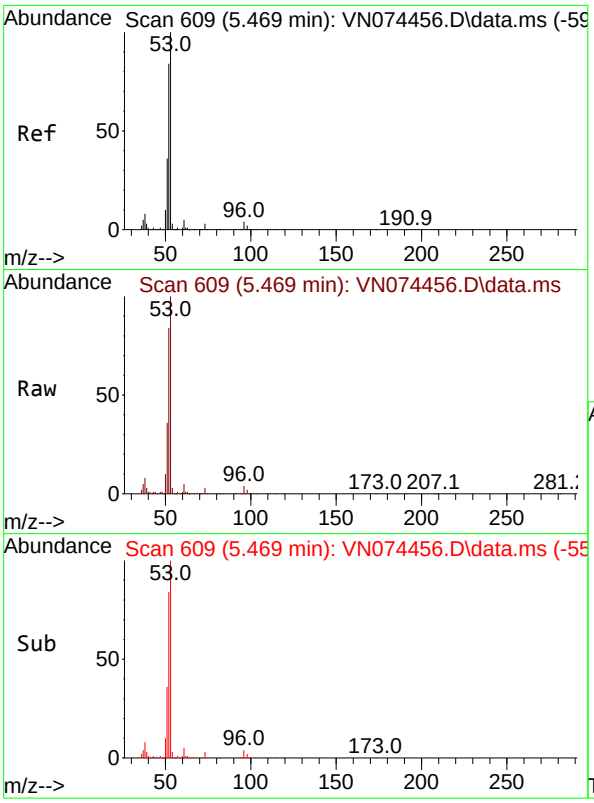


#14
Allyl chloride
Concen: 64.419 ug/l
RT: 4.757 min Scan# 488
Delta R.T. 0.000 min
Lab File: VN074456.D
Acq: 15 Sep 2022 11:48

Tgt Ion: 41 Resp: 633274

Ion	Ratio	Lower	Upper
41	100		
39	67.3	53.2	79.8
76	30.0	29.9	44.9

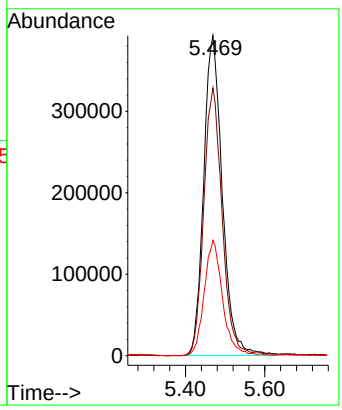




#15
Acrylonitrile
Concen: 330.798 ug/l
RT: 5.469 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN074456.D
Acq: 15 Sep 2022 11:48

Tgt Ion: 53 Resp: 128396

Ion	Ratio	Lower	Upper
53	100		
52	82.2	66.4	99.6
51	35.5	28.5	42.7



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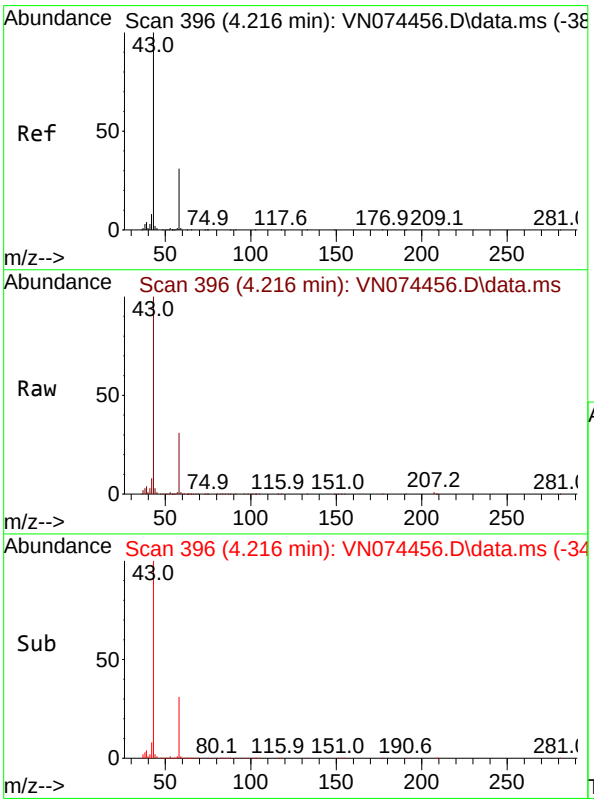
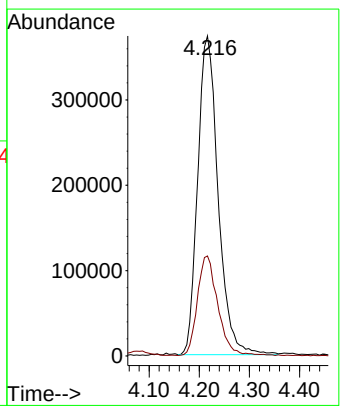
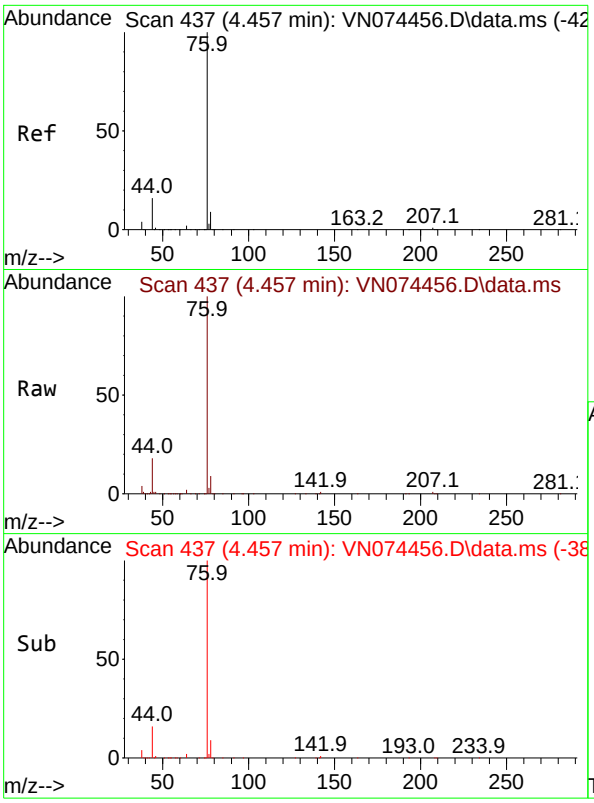


#16
Acetone
Concen: 300.381 ug/l
RT: 4.216 min Scan# 396
Delta R.T. 0.000 min
Lab File: VN074456.D
Acq: 15 Sep 2022 11:48

Tgt Ion: 43 Resp: 1057762

Ion	Ratio	Lower	Upper
43	100		
58	31.2	26.0	39.0

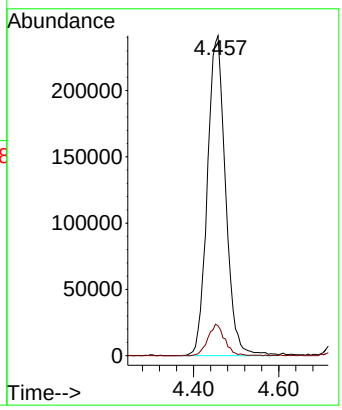




#17
Carbon Disulfide
Concen: 61.462 ug/l
RT: 4.457 min Scan# 4
Delta R.T. 0.000 min
Lab File: VN074456.D
Acq: 15 Sep 2022 11:48

Tgt Ion: 76 Resp: 71613

Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.2	10.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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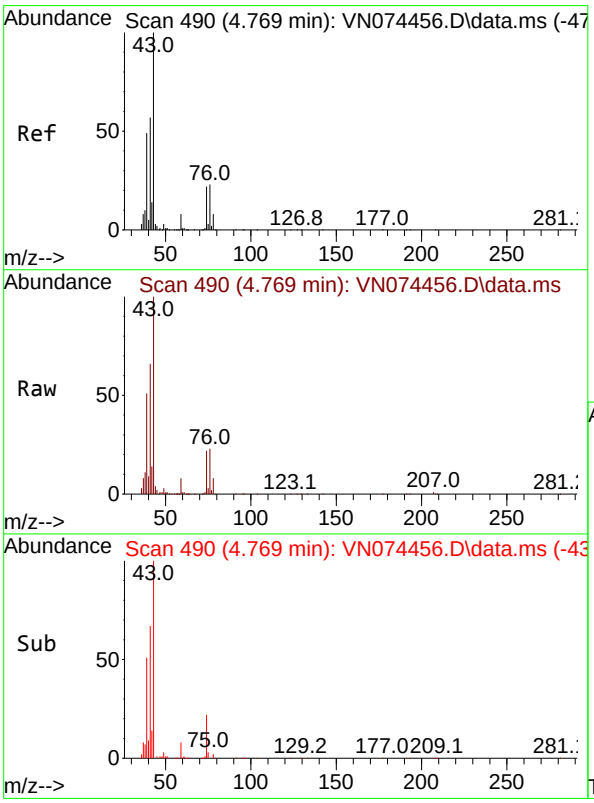
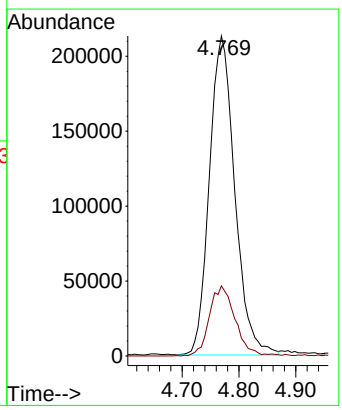
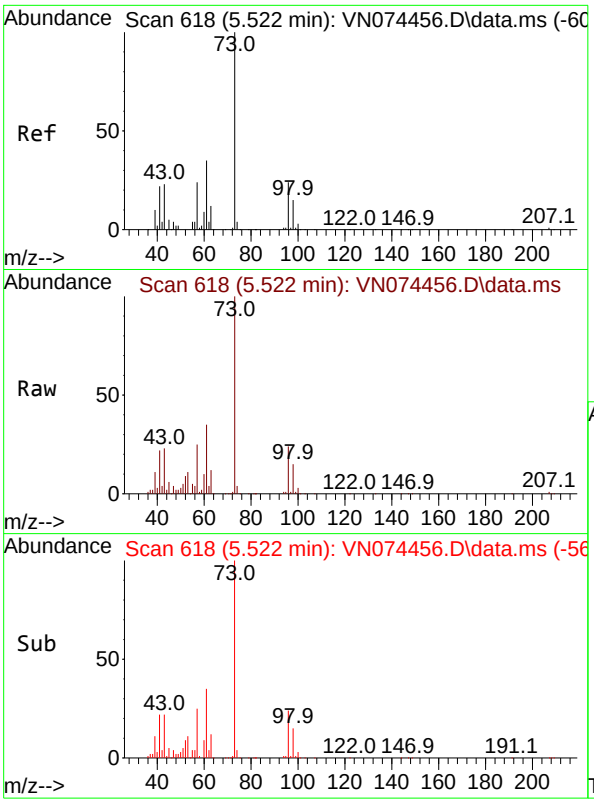


#18
Methyl Acetate
Concen: 68.049 ug/l
RT: 4.769 min Scan# 490
Delta R.T. 0.000 min
Lab File: VN074456.D
Acq: 15 Sep 2022 11:48

Tgt Ion: 43 Resp: 662442

Ion	Ratio	Lower	Upper
43	100		
74	22.2	21.6	32.4

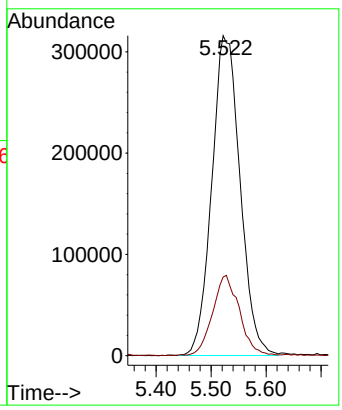




#19
Methyl tert-butyl Ether
Concen: 65.502 ug/l
RT: 5.522 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN074456.D
Acq: 15 Sep 2022 11:48

Tgt Ion: 73 Resp: 112836

Ion	Ratio	Lower	Upper
73	100		
57	24.4	17.6	26.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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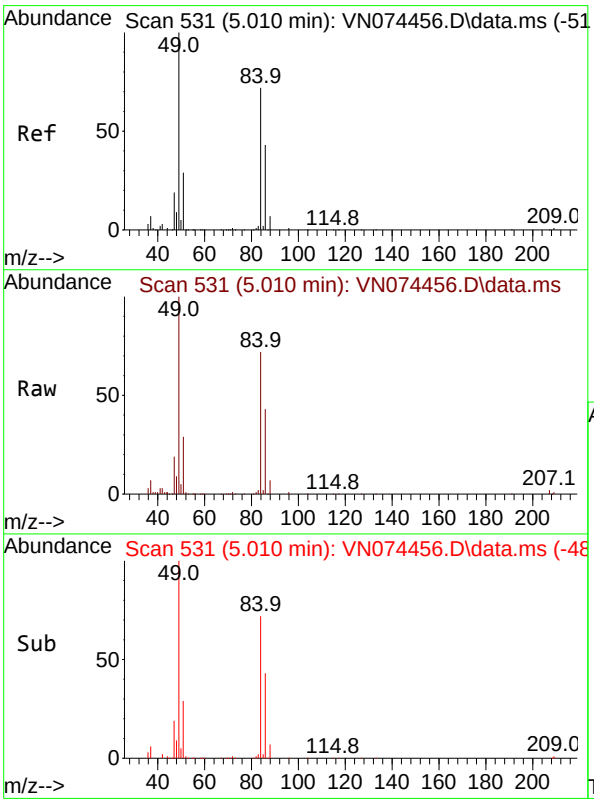
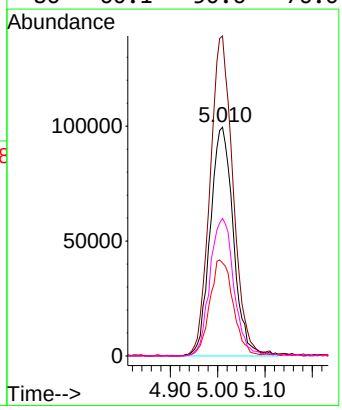
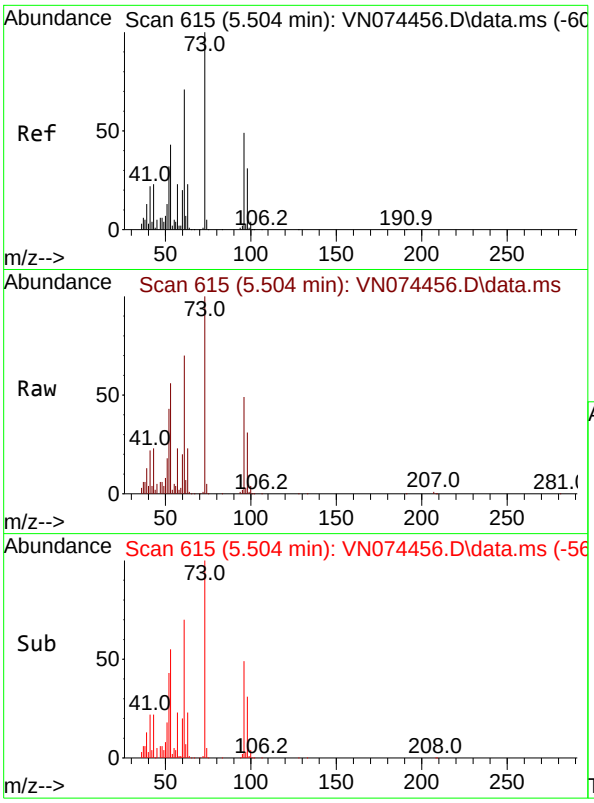


#20
Methylene Chloride
Concen: 56.995 ug/l
RT: 5.010 min Scan# 531
Delta R.T. 0.000 min
Lab File: VN074456.D
Acq: 15 Sep 2022 11:48

Tgt Ion: 84 Resp: 337802

Ion	Ratio	Lower	Upper
84	100		
49	139.8	88.3	132.5#
51	40.6	28.2	42.2
86	60.1	50.6	76.0

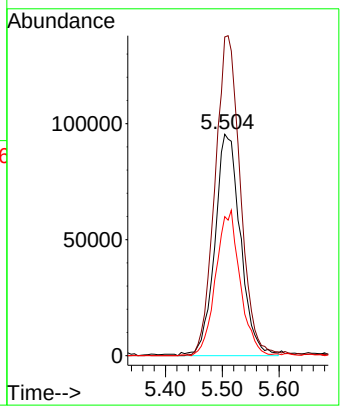




#21
trans-1,2-Dichloroethene
Concen: 60.576 ug/l
RT: 5.504 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN074456.D
Acq: 15 Sep 2022 11:48

Tgt Ion: 96 Resp: 29861

Ion	Ratio	Lower	Upper
96	100		
61	143.9	105.8	158.8
98	62.8	50.3	75.5



Instrument :
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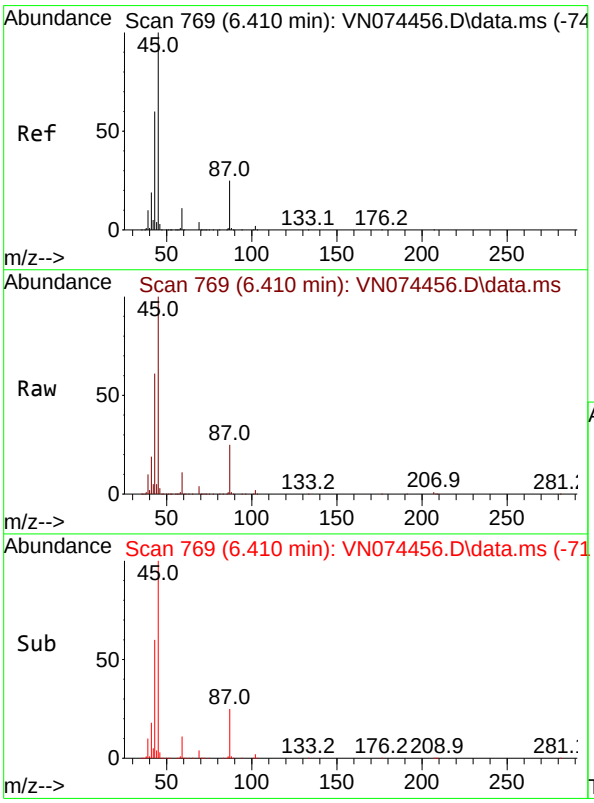
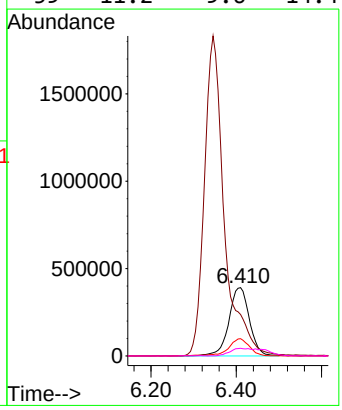
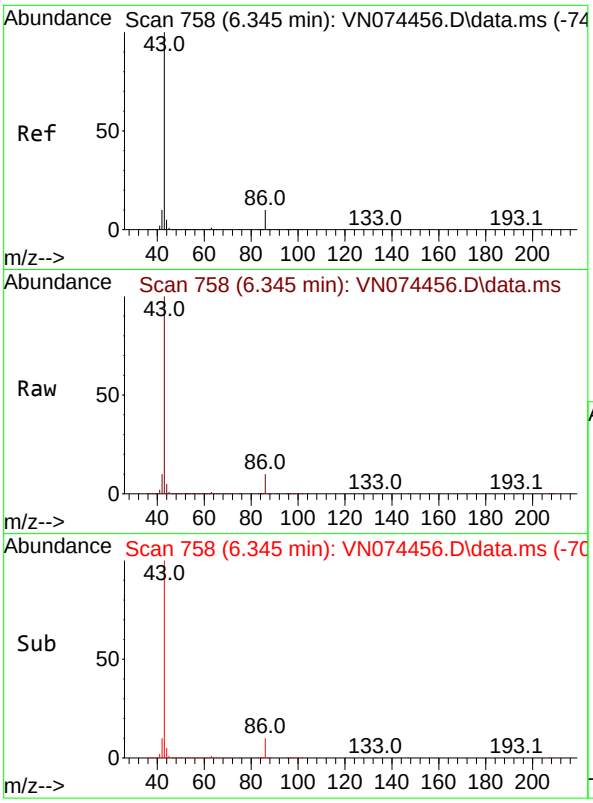


#22
Diisopropyl ether
Concen: 70.134 ug/l
RT: 6.410 min Scan# 769
Delta R.T. 0.000 min
Lab File: VN074456.D
Acq: 15 Sep 2022 11:48

Tgt Ion: 45 Resp: 1306768

Ion	Ratio	Lower	Upper
45	100		
43	60.4	46.6	70.0
87	25.1	24.3	36.5
59	11.2	9.6	14.4

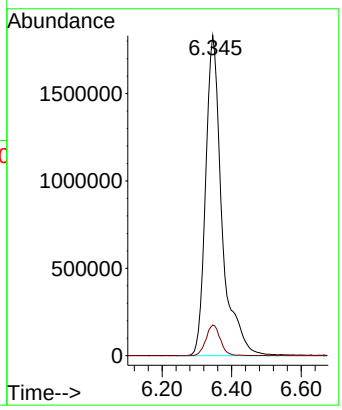




#23
Vinyl Acetate
Concen: 346.888 ug/l
RT: 6.345 min Scan# 7
Delta R.T. 0.000 min
Lab File: VN074456.D
Acq: 15 Sep 2022 11:48

Tgt Ion: 43 Resp: 593802

Ion	Ratio	Lower	Upper
43	100		
86	9.6	10.0	15.0#



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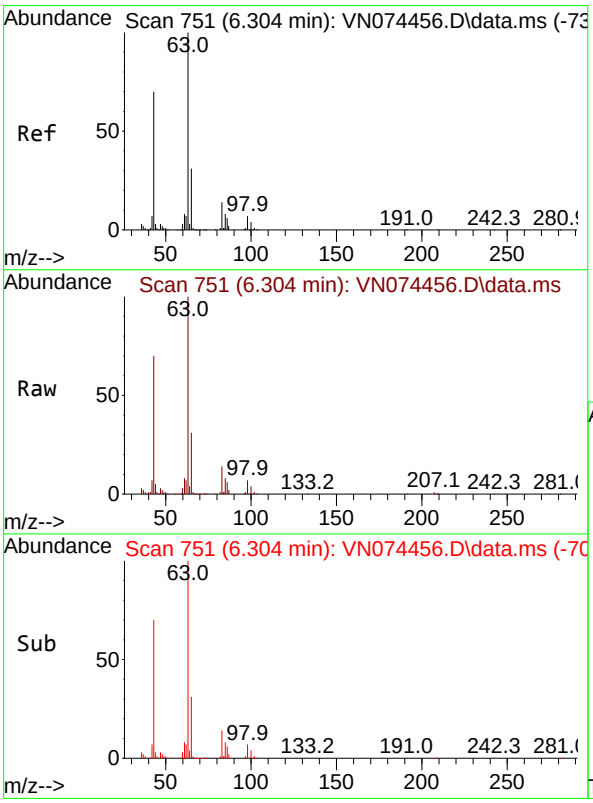
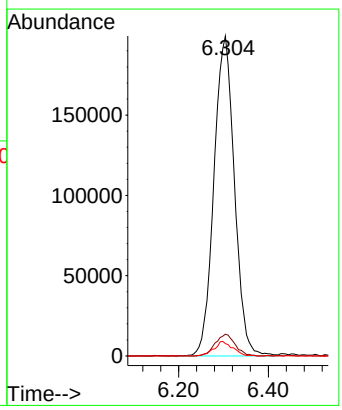
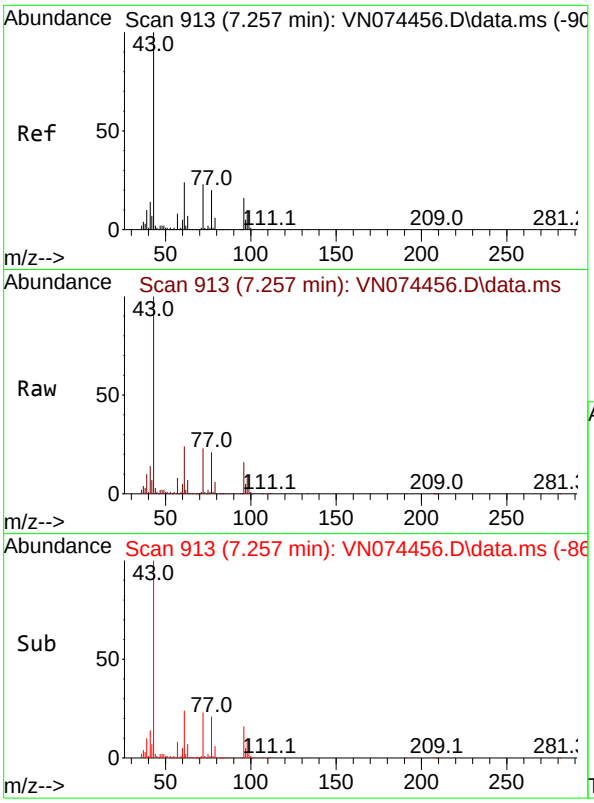


#24
1,1-Dichloroethane
Concen: 65.762 ug/l
RT: 6.304 min Scan# 751
Delta R.T. 0.000 min
Lab File: VN074456.D
Acq: 15 Sep 2022 11:48

Tgt Ion: 63 Resp: 633068

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.5	10.4
100	3.8	2.3	6.8





#25
2-Butanone
Concen: 329.691 ug/l
RT: 7.257 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN074456.D
Acq: 15 Sep 2022 11:48

Tgt Ion: 43 Resp: 187376

Ion	Ratio	Lower	Upper
43	100		
72	23.2	23.7	35.5

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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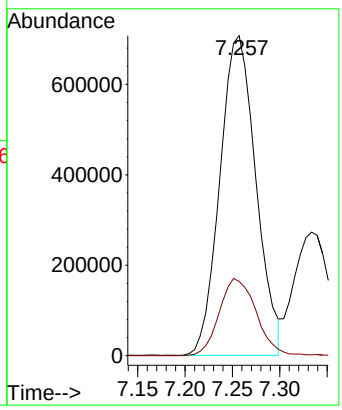
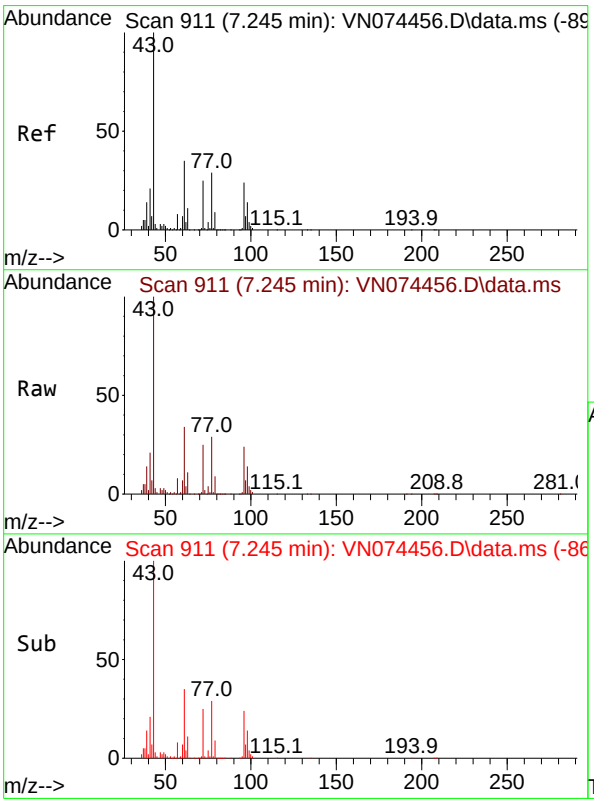
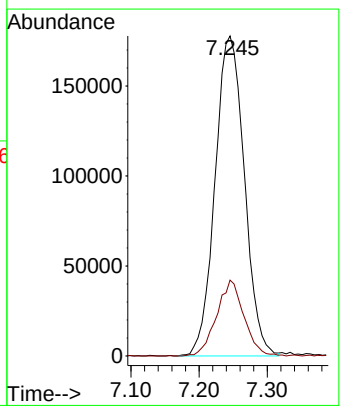


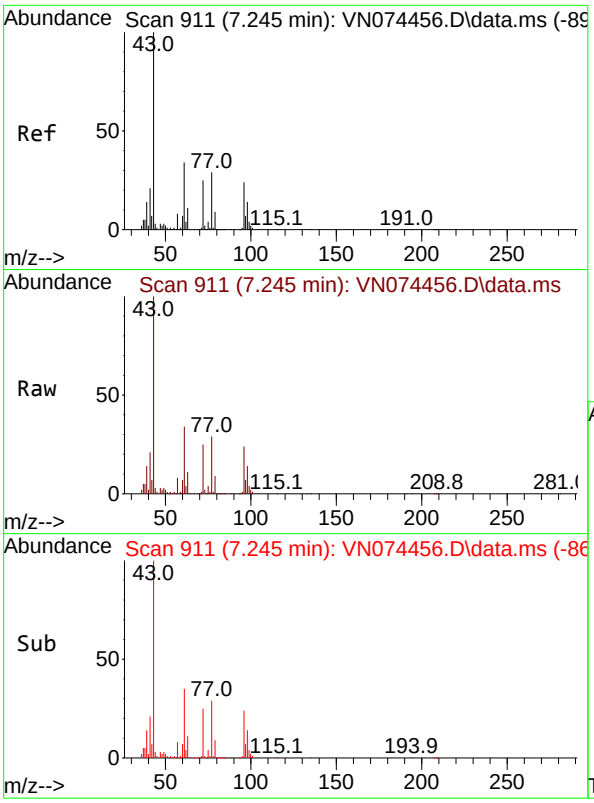


#26
2,2-Dichloropropane
Concen: 61.971 ug/l
RT: 7.245 min Scan# 911
Delta R.T. 0.000 min
Lab File: VN074456.D
Acq: 15 Sep 2022 11:48

Tgt Ion: 77 Resp: 532310

Ion	Ratio	Lower	Upper
77	100		
97	22.0	11.4	34.2

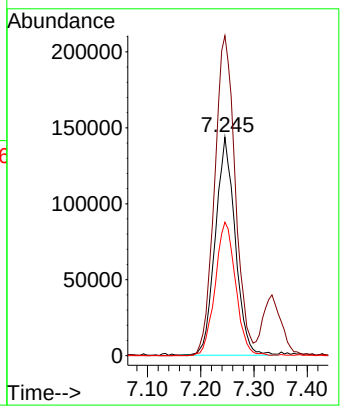




#27
cis-1,2-Dichloroethene
Concen: 62.656 ug/l
RT: 7.245 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN074456.D
Acq: 15 Sep 2022 11:48

Tgt Ion: 96 Resp: 37186

Ion	Ratio	Lower	Upper
96	100		
61	152.4	0.0	280.6
98	63.0	0.0	128.4



Instrument :
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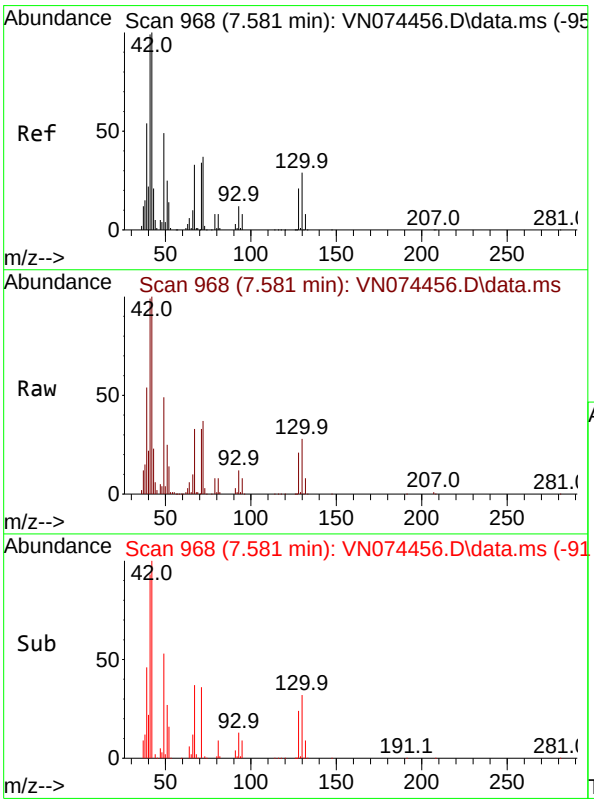
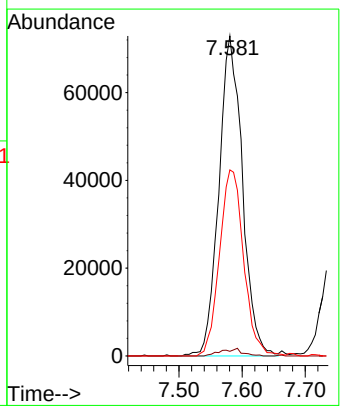
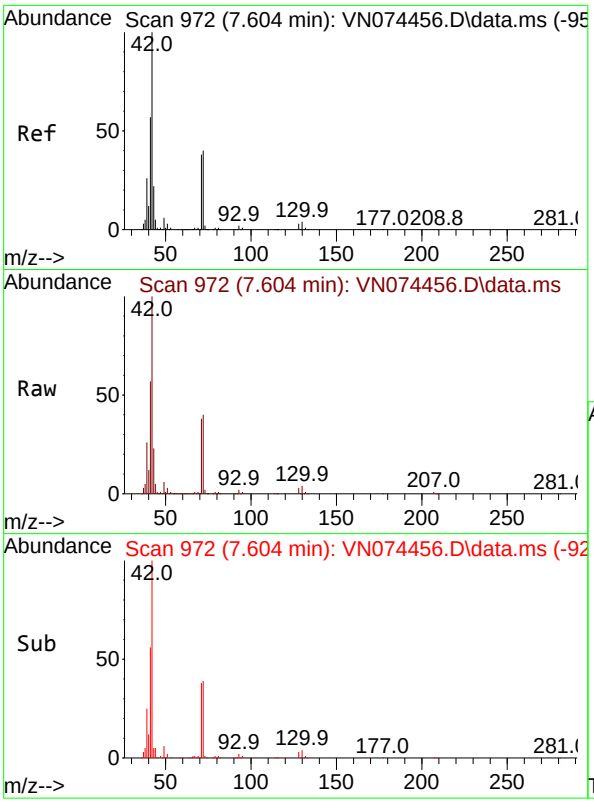


#28
Bromochloromethane
Concen: 50.739 ug/l
RT: 7.581 min Scan# 968
Delta R.T. 0.000 min
Lab File: VN074456.D
Acq: 15 Sep 2022 11:48

Tgt Ion: 49 Resp: 188664

Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.6
130	59.6	69.7	104.5#

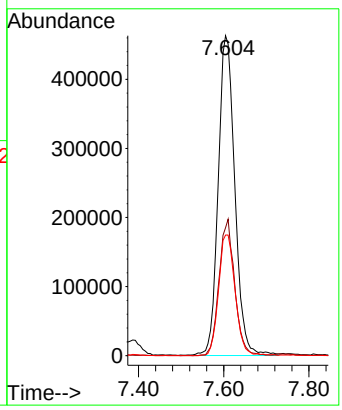




#29
Tetrahydrofuran
Concen: 332.760 ug/l
RT: 7.604 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN074456.D
Acq: 15 Sep 2022 11:48

Tgt Ion: 42 Resp: 125367

Ion	Ratio	Lower	Upper
42	100		
72	40.3	39.7	59.5
71	37.4	36.6	55.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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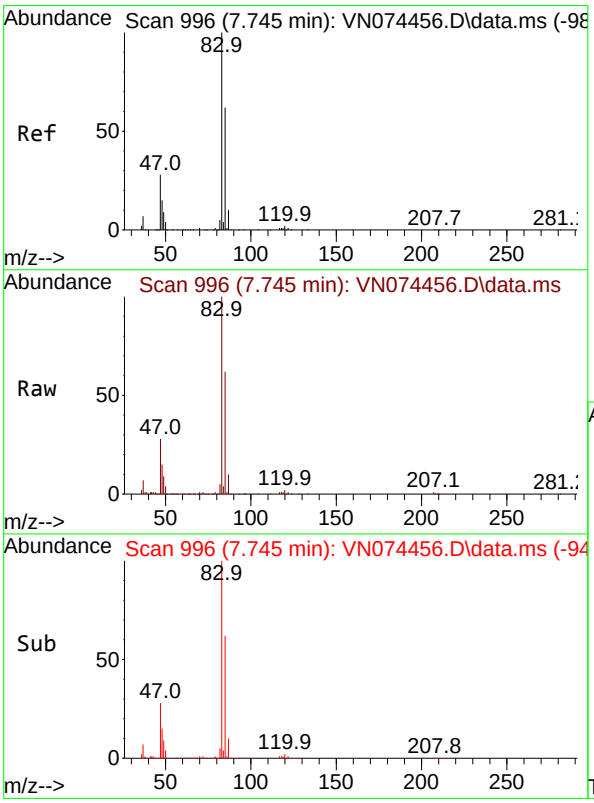
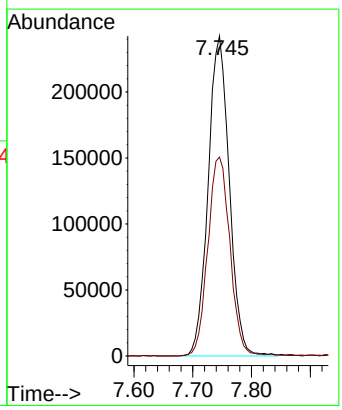
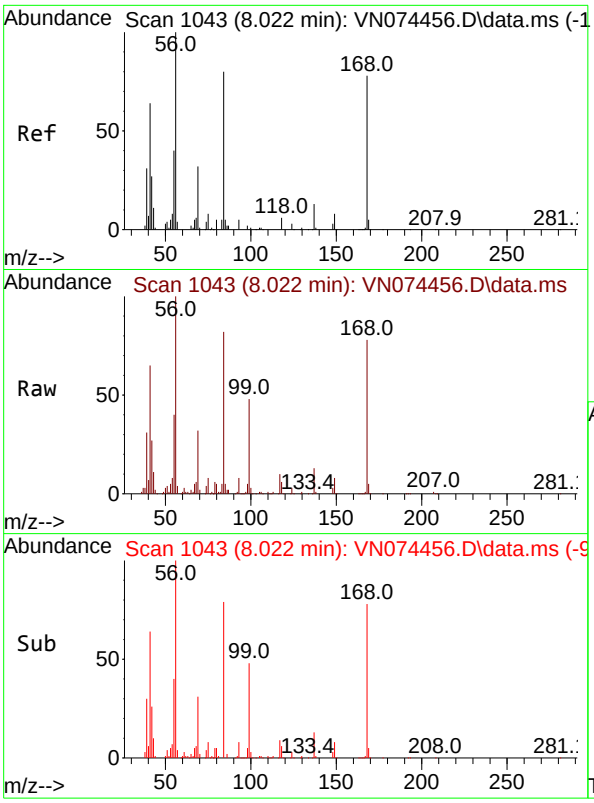


#30
Chloroform
Concen: 63.018 ug/l
RT: 7.745 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN074456.D
Acq: 15 Sep 2022 11:48

Tgt Ion: 83 Resp: 606215

Ion	Ratio	Lower	Upper
83	100		
85	62.2	51.8	77.8

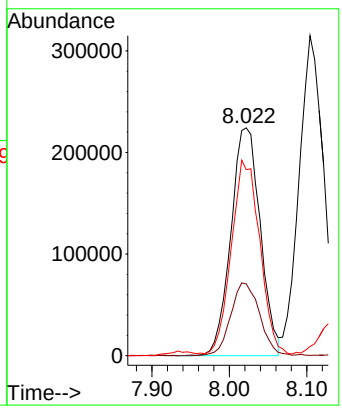




#31
Cyclohexane
Concen: 65.150 ug/l
RT: 8.022 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074456.D
Acq: 15 Sep 2022 11:48

Tgt Ion: 56 Resp: 59133

Ion	Ratio	Lower	Upper
56	100		
69	31.5	27.8	41.8
84	79.6	76.9	115.3



Instrument :
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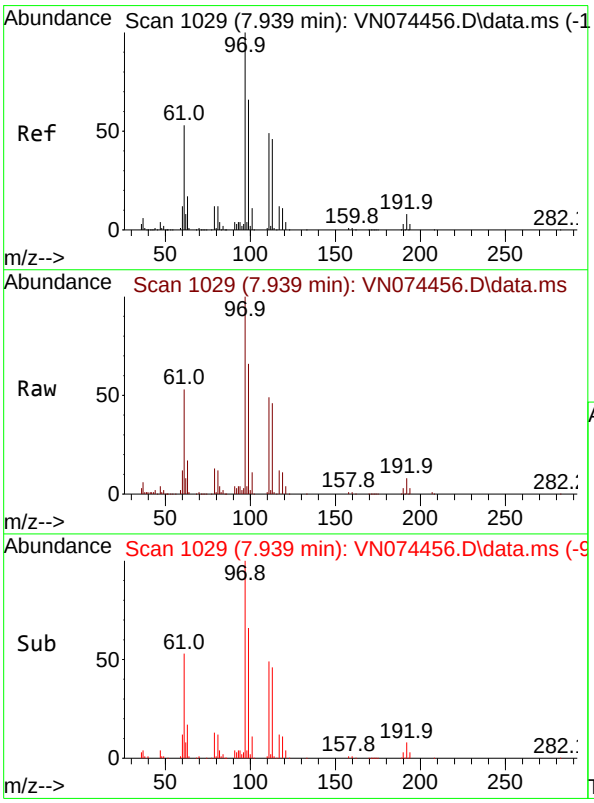
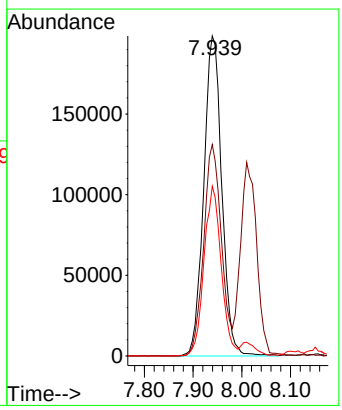
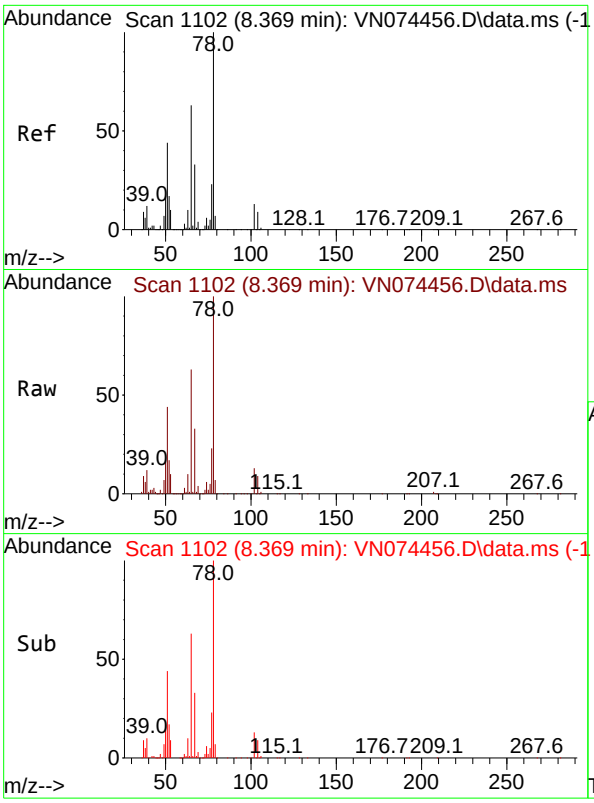


#32
1,1,1-Trichloroethane
Concen: 61.047 ug/l
RT: 7.939 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VN074456.D
Acq: 15 Sep 2022 11:48

Tgt Ion: 97 Resp: 510553

Ion	Ratio	Lower	Upper
97	100		
99	65.1	50.6	76.0
61	50.6	36.0	54.0

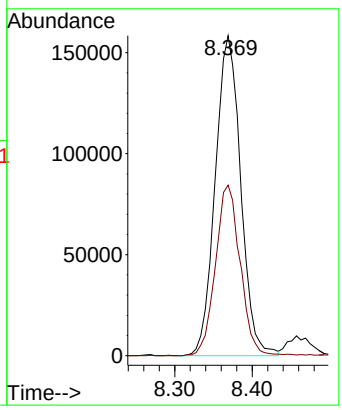




#33
1,2-Dichloroethane-d4
Concen: 57.098 ug/l
RT: 8.369 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074456.D
Acq: 15 Sep 2022 11:48

Tgt Ion: 65 Resp: 36191

Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	104.8



Instrument :
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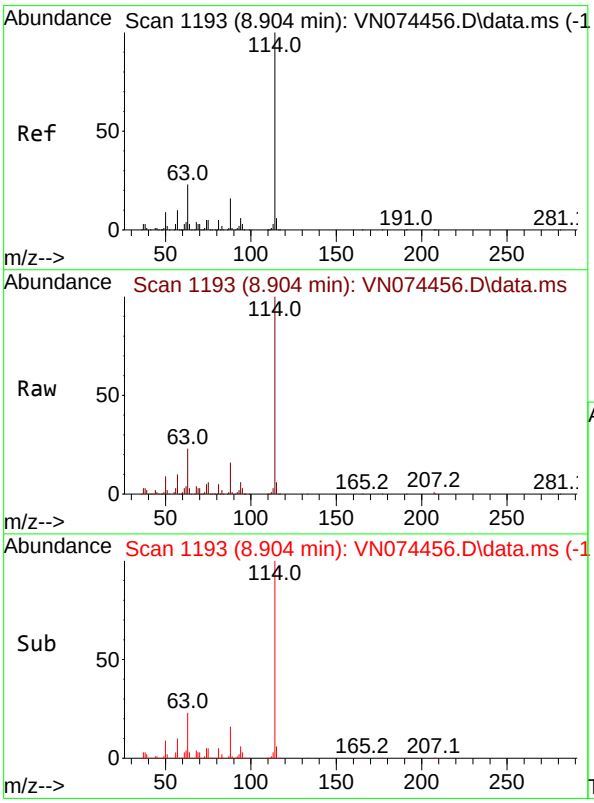
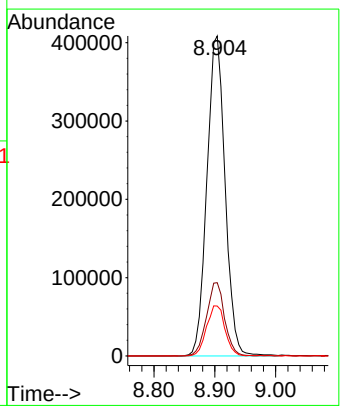
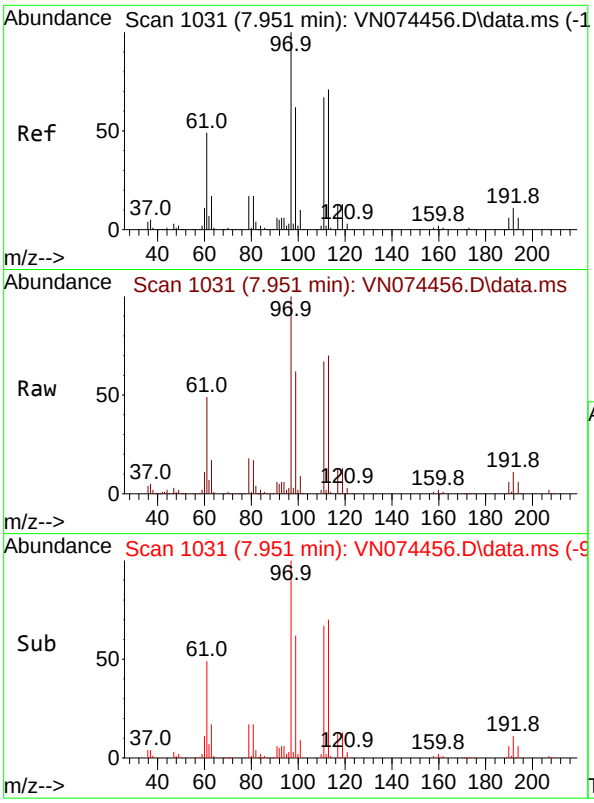


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VN074456.D
Acq: 15 Sep 2022 11:48

Tgt Ion:114 Resp: 847425

Ion	Ratio	Lower	Upper
114	100		
63	22.9	0.0	40.0
88	15.6	0.0	32.6

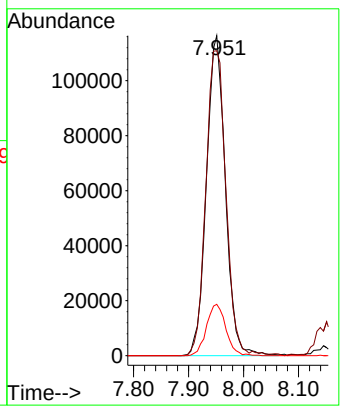




#35
Dibromofluoromethane
Concen: 52.685 ug/l
RT: 7.951 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074456.D
Acq: 15 Sep 2022 11:48

Tgt Ion:113 Resp: 27836

Ion	Ratio	Lower	Upper
113	100		
111	101.1	81.4	122.0
192	16.5	17.0	25.6



Instrument :
MSVOA_N
ClientSampleId :
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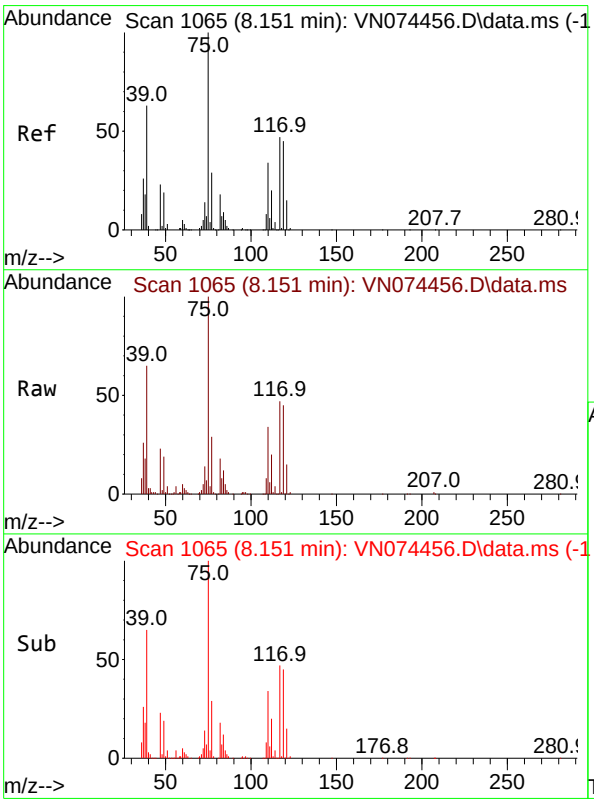
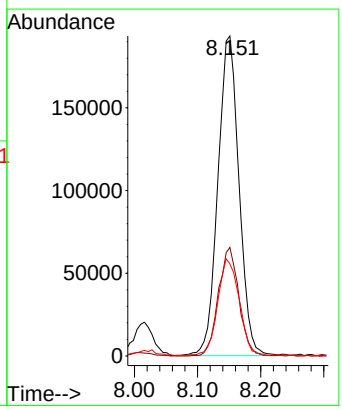
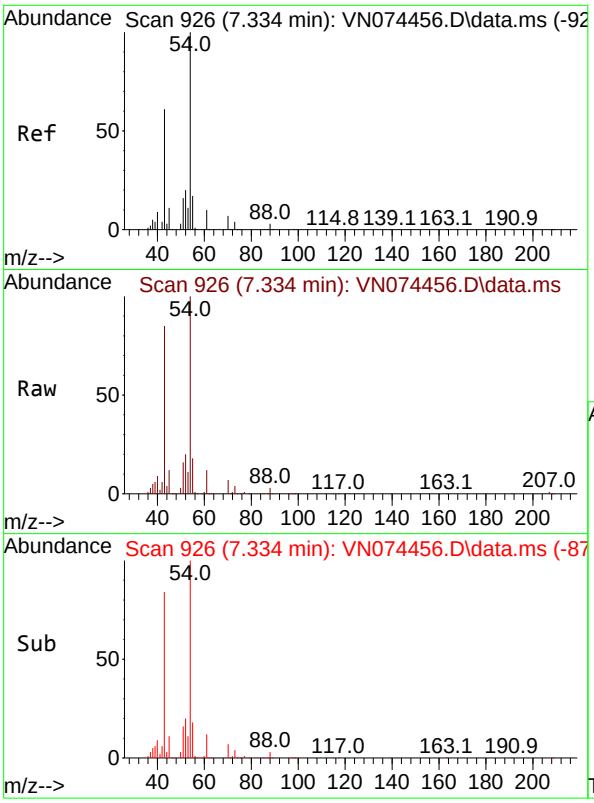


#36
1,1-Dichloropropene
Concen: 60.752 ug/l
RT: 8.151 min Scan# 1065
Delta R.T. 0.000 min
Lab File: VN074456.D
Acq: 15 Sep 2022 11:48

Tgt Ion: 75 Resp: 448722

Ion	Ratio	Lower	Upper
75	100		
110	33.0	18.3	54.8
77	30.8	25.1	37.7





#37
Ethyl Acetate
Concen: 61.879 ug/l
RT: 7.334 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN074456.D
Acq: 15 Sep 2022 11:48

Tgt Ion: 43 Resp: 73598

Ion	Ratio	Lower	Upper
43	100		
61	13.2	11.8	17.6
70	9.0	9.3	13.9

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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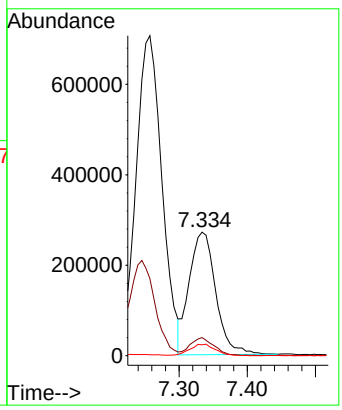
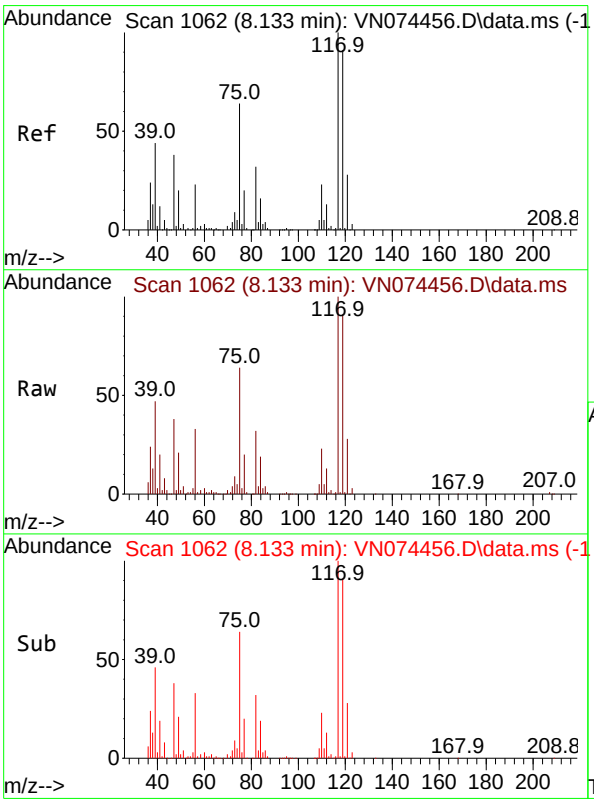
Supervised By :Mahesh Dadoda 09/16/2022

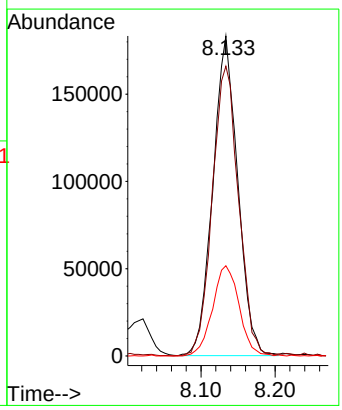


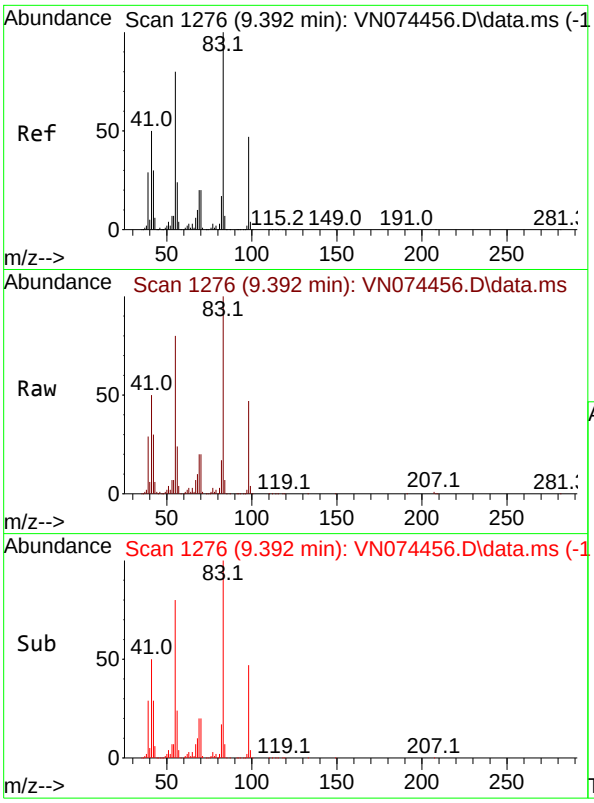


#38
Carbon Tetrachloride
Concen: 56.173 ug/l
RT: 8.133 min Scan# 1062
Delta R.T. 0.000 min
Lab File: VN074456.D
Acq: 15 Sep 2022 11:48

Tgt Ion:117 Resp: 427707

Ion	Ratio	Lower	Upper
117	100		
119	90.5	75.8	113.8
121	28.2	24.6	37.0

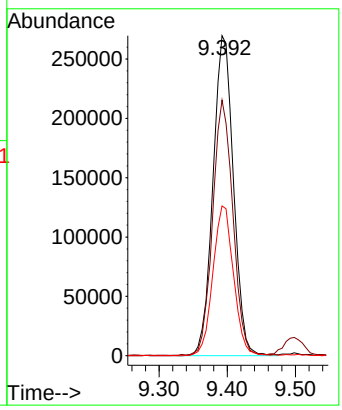




#39
Methylcyclohexane
Concen: 63.048 ug/l
RT: 9.392 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074456.D
Acq: 15 Sep 2022 11:48

Tgt Ion: 83 Resp: 56466

Ion	Ratio	Lower	Upper
83	100		
55	79.7	57.8	86.8
98	46.8	39.4	59.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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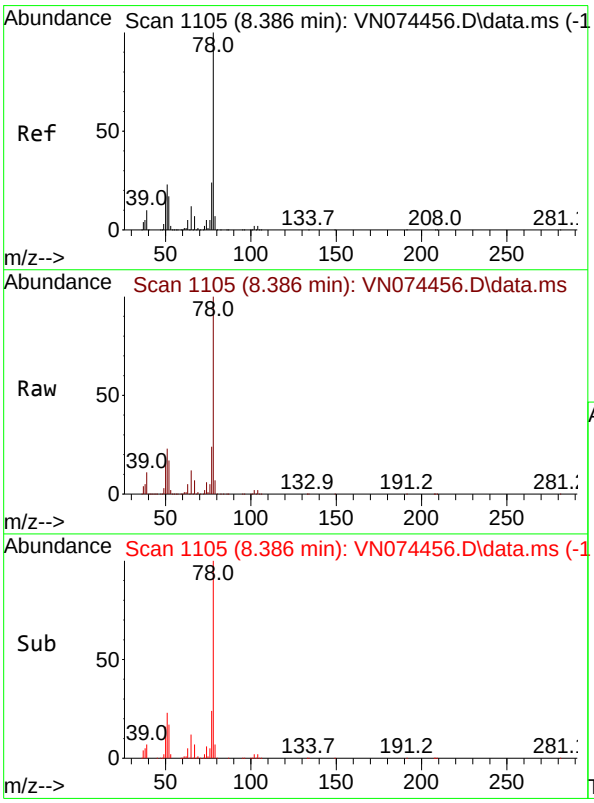
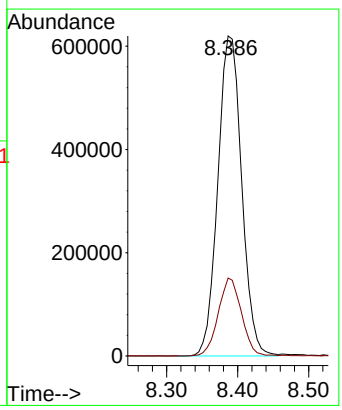
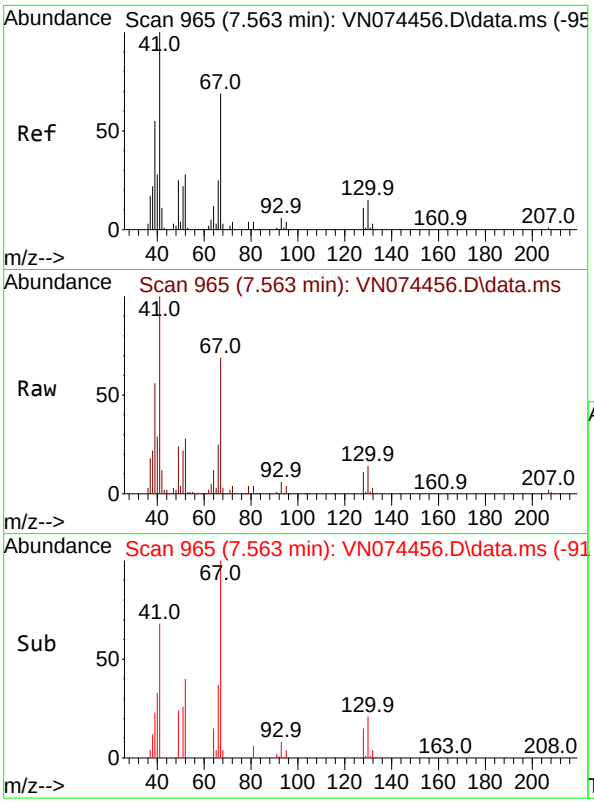


#40
Benzene
Concen: 61.989 ug/l
RT: 8.386 min Scan# 1105
Delta R.T. 0.000 min
Lab File: VN074456.D
Acq: 15 Sep 2022 11:48

Tgt Ion: 78 Resp: 1443555

Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.4	29.0

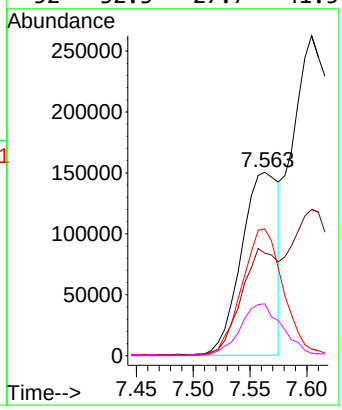




#41
Methacrylonitrile
Concen: 60.720 ug/l
RT: 7.563 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN074456.D
Acq: 15 Sep 2022 11:48

Tgt Ion: 41 Resp: 34157

Ion	Ratio	Lower	Upper
41	100		
39	56.4	48.6	73.0
67	77.8	73.4	110.2
52	32.3	27.7	41.5



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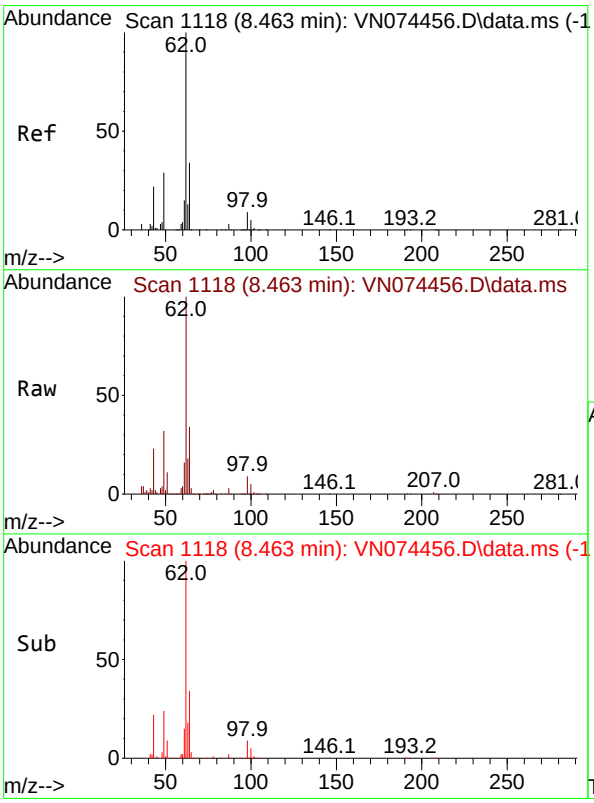
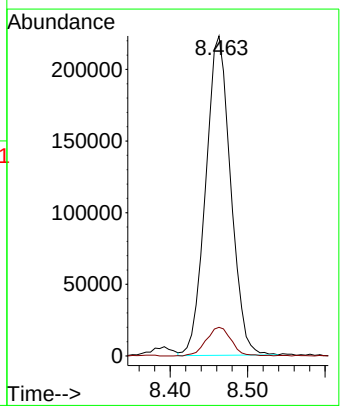
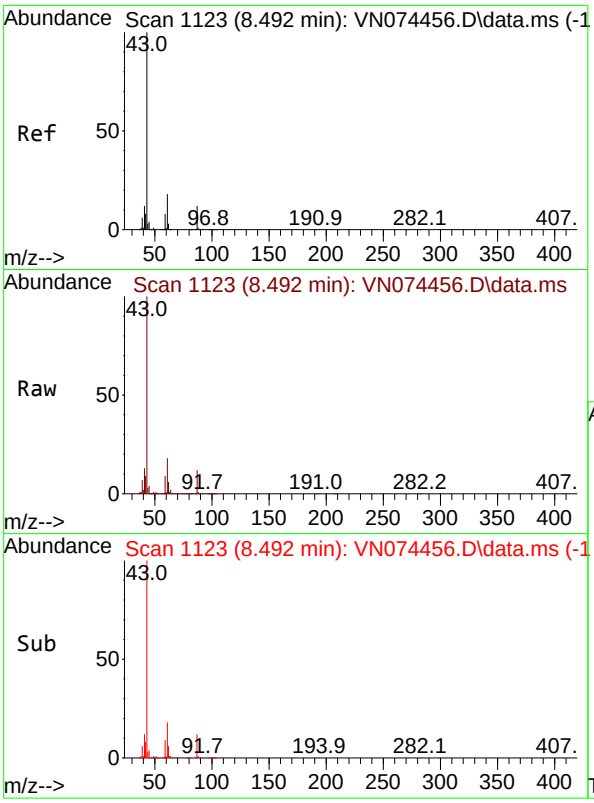


#42
1,2-Dichloroethane
Concen: 60.745 ug/l
RT: 8.463 min Scan# 1118
Delta R.T. 0.000 min
Lab File: VN074456.D
Acq: 15 Sep 2022 11:48

Tgt Ion: 62 Resp: 498548

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	19.4

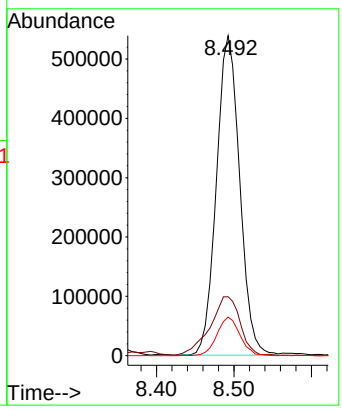




#43
Isopropyl Acetate
Concen: 65.771 ug/l
RT: 8.492 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074456.D
Acq: 15 Sep 2022 11:48

Tgt Ion: 43 Resp: 112702

Ion	Ratio	Lower	Upper
43	100		
61	23.7	21.9	32.9
87	11.9	12.0	18.0



Instrument :
MSVOA_N
ClientSampleId :
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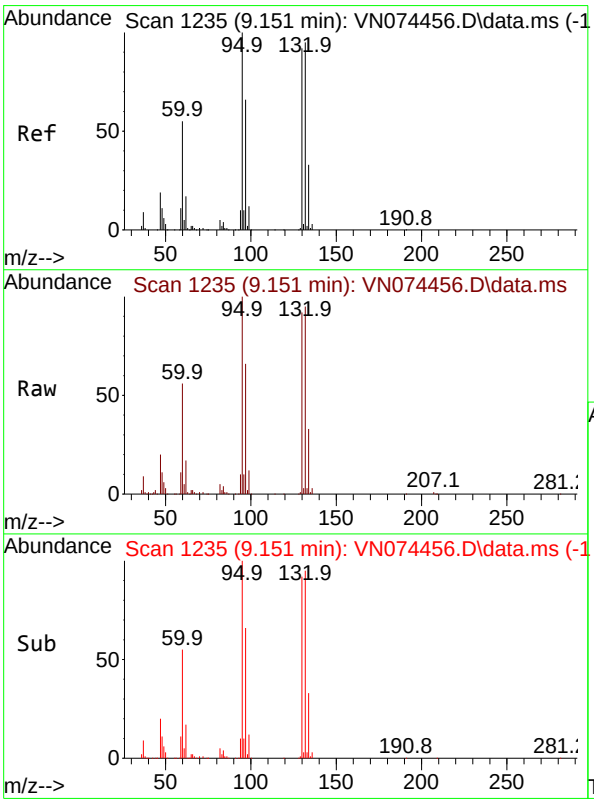
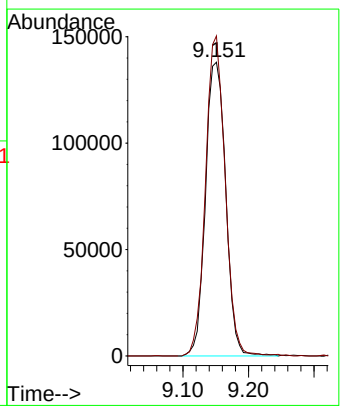
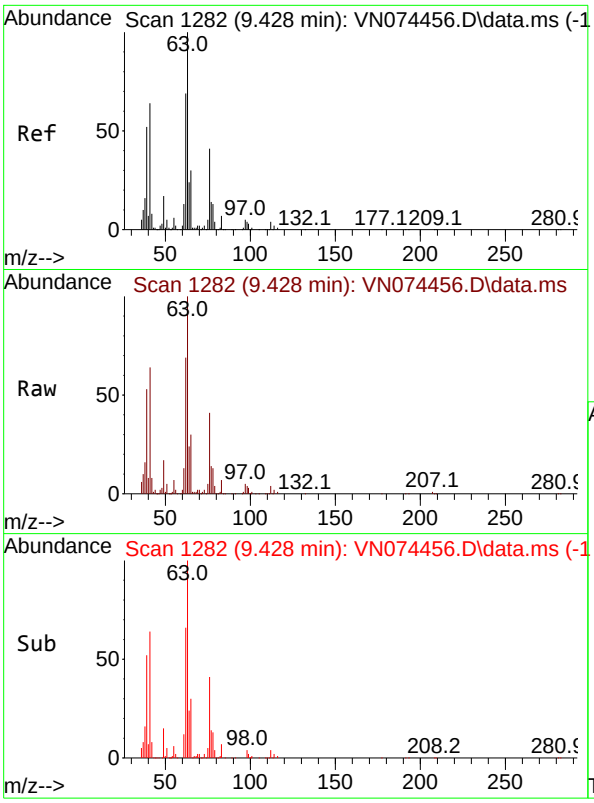


#44
Trichloroethene
Concen: 52.135 ug/l
RT: 9.151 min Scan# 1235
Delta R.T. 0.000 min
Lab File: VN074456.D
Acq: 15 Sep 2022 11:48

Tgt Ion:130 Resp: 296619

Ion	Ratio	Lower	Upper
130	100		
95	108.9	0.0	186.8

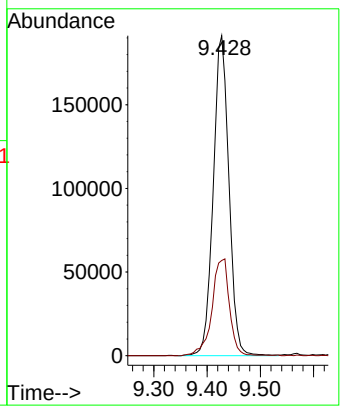




#45
1,2-Dichloropropane
Concen: 64.853 ug/l
RT: 9.428 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074456.D
Acq: 15 Sep 2022 11:48

Tgt Ion: 63 Resp: 39105

Ion	Ratio	Lower	Upper
63	100		
65	29.8	24.9	37.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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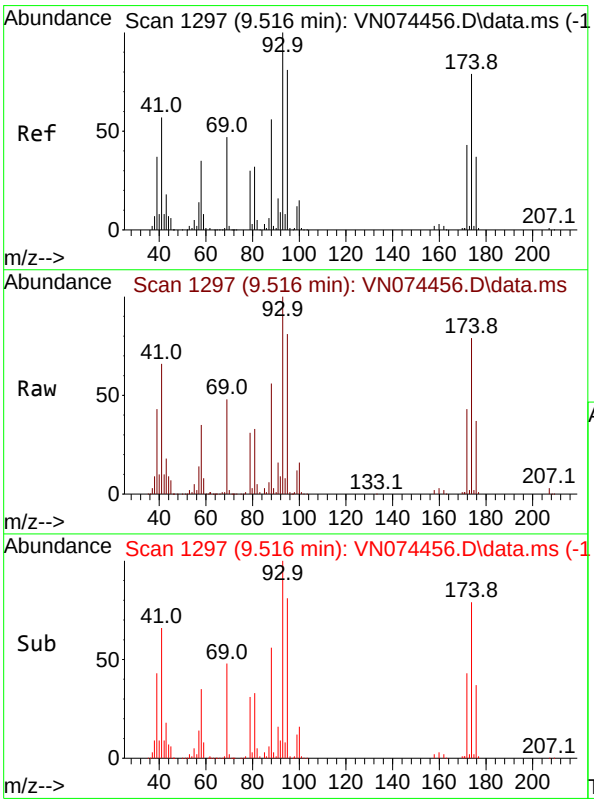
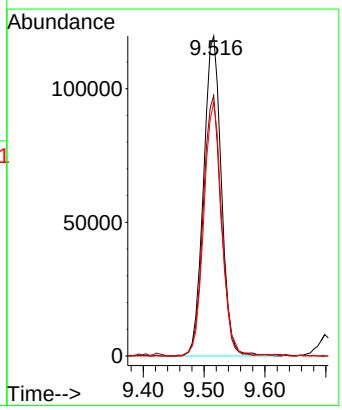
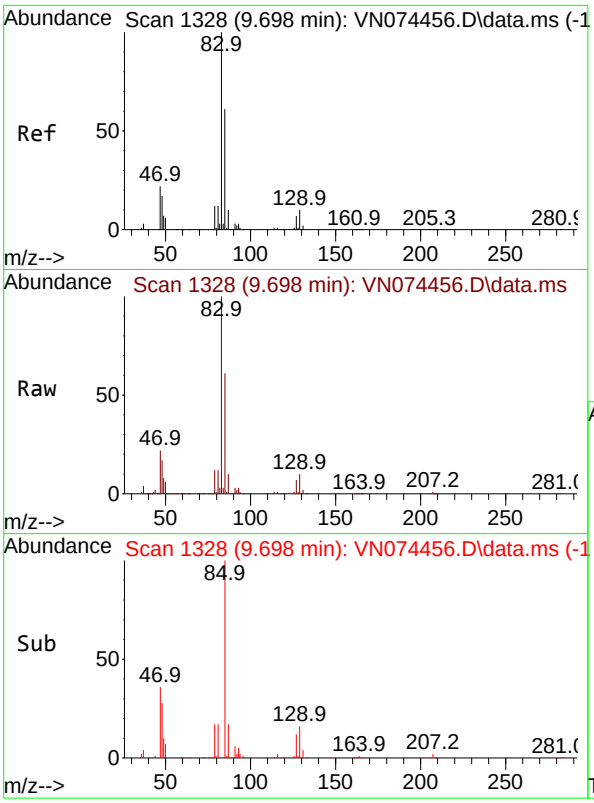


#46
Dibromomethane
Concen: 60.948 ug/l
RT: 9.516 min Scan# 1297
Delta R.T. 0.000 min
Lab File: VN074456.D
Acq: 15 Sep 2022 11:48

Tgt Ion: 93 Resp: 243867

Ion	Ratio	Lower	Upper
93	100		
95	81.7	66.9	100.3
174	79.7	86.6	130.0#

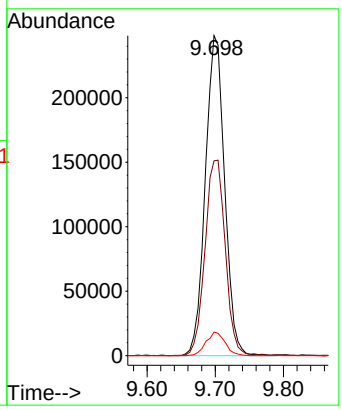




#47
Bromodichloromethane
Concen: 61.614 ug/l
RT: 9.698 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074456.D
Acq: 15 Sep 2022 11:48

Tgt Ion: 83 Resp: 48997

Ion	Ratio	Lower	Upper
83	100		
85	60.8	50.5	75.7
127	7.4	6.8	10.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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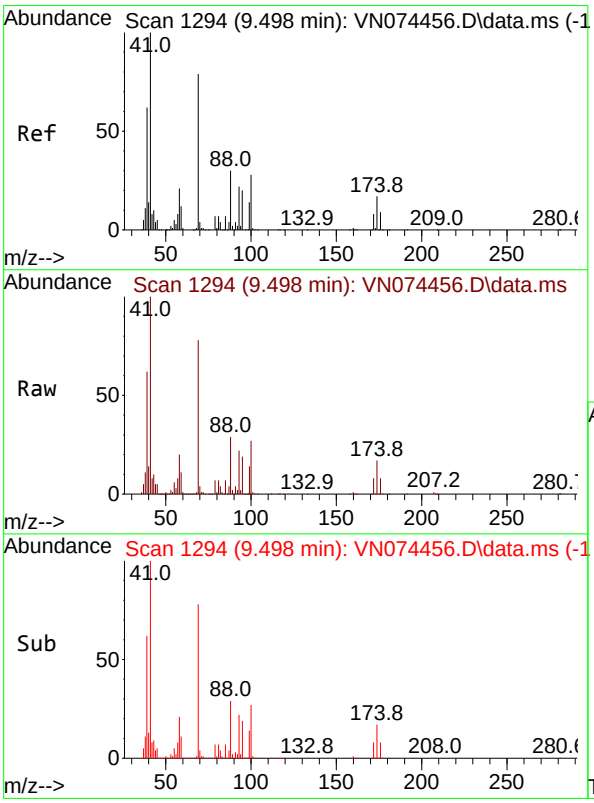
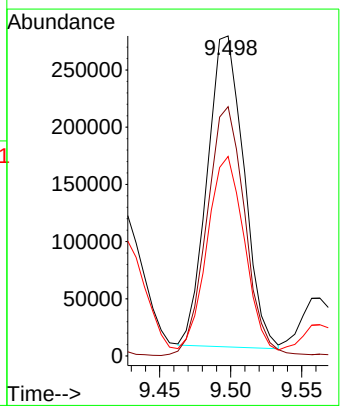
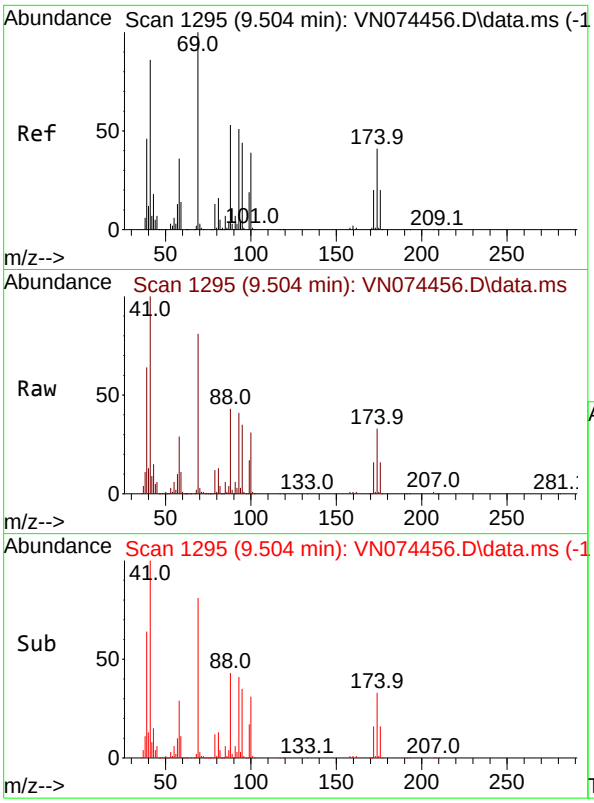


#48
Methyl methacrylate
Concen: 63.033 ug/l
RT: 9.498 min Scan# 1294
Delta R.T. 0.000 min
Lab File: VN074456.D
Acq: 15 Sep 2022 11:48

Tgt Ion: 41 Resp: 488730

Ion	Ratio	Lower	Upper
41	100		
69	83.1	74.7	112.1
39	66.2	45.6	68.4





#49
1,4-Dioxane
Concen: 1124.110 ug/l
RT: 9.504 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074456.D
Acq: 15 Sep 2022 11:48

Tgt Ion: 88 Resp: 19116

Ion	Ratio	Lower	Upper
88	100		
43	34.3	20.2	30.4
58	70.5	54.2	81.4

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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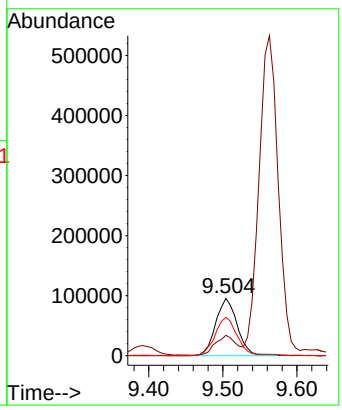
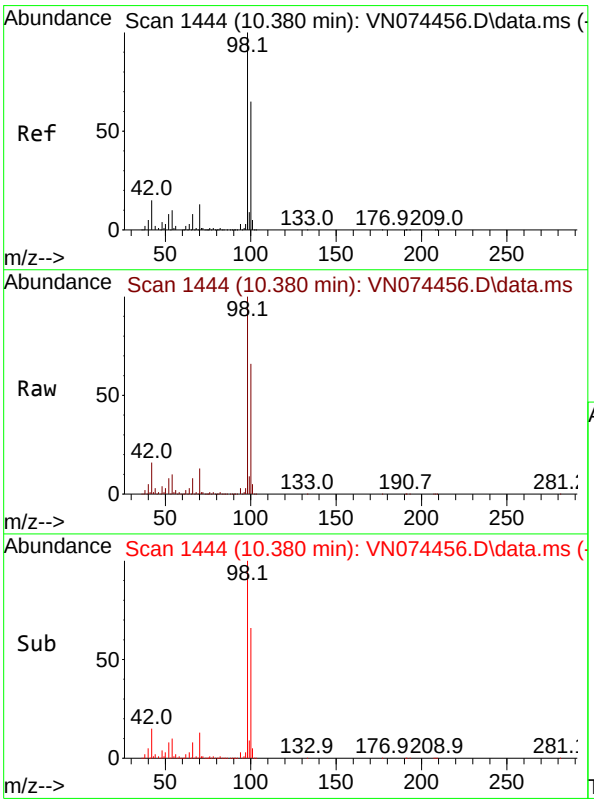
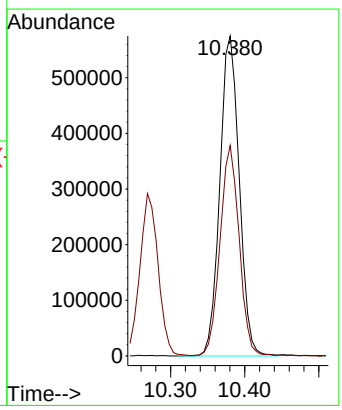


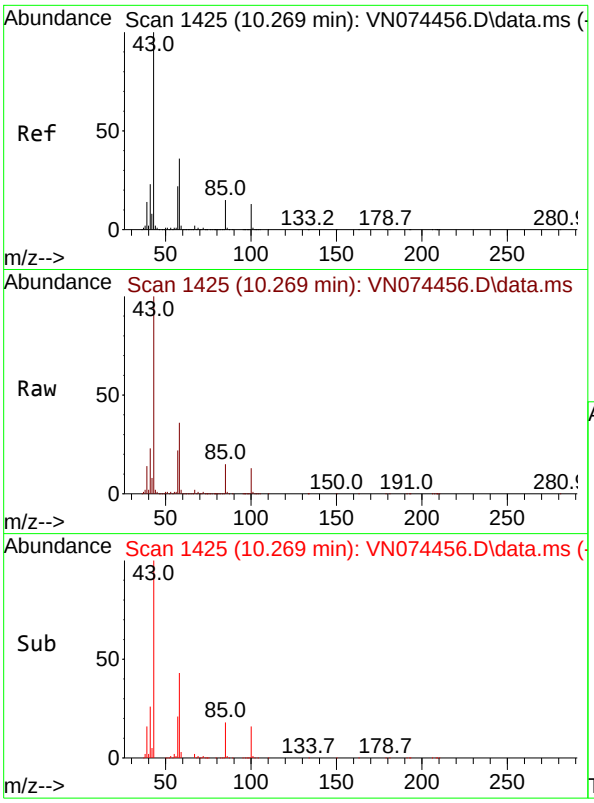


#50
Toluene-d8
Concen: 53.190 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074456.D
Acq: 15 Sep 2022 11:48

Tgt Ion: 98 Resp: 1044867

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.6	78.8





#51
4-Methyl-2-Pentanone
Concen: 337.998 ug/l
RT: 10.269 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN074456.D
Acq: 15 Sep 2022 11:48

Tgt Ion: 43 Resp: 380785

Ion	Ratio	Lower	Upper
43	100		
58	36.9	34.1	51.1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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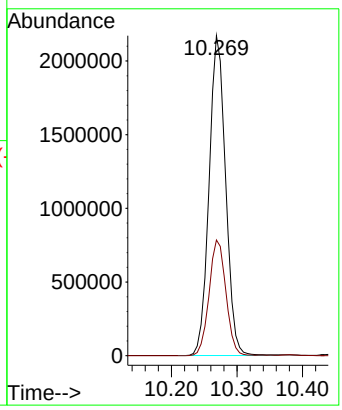
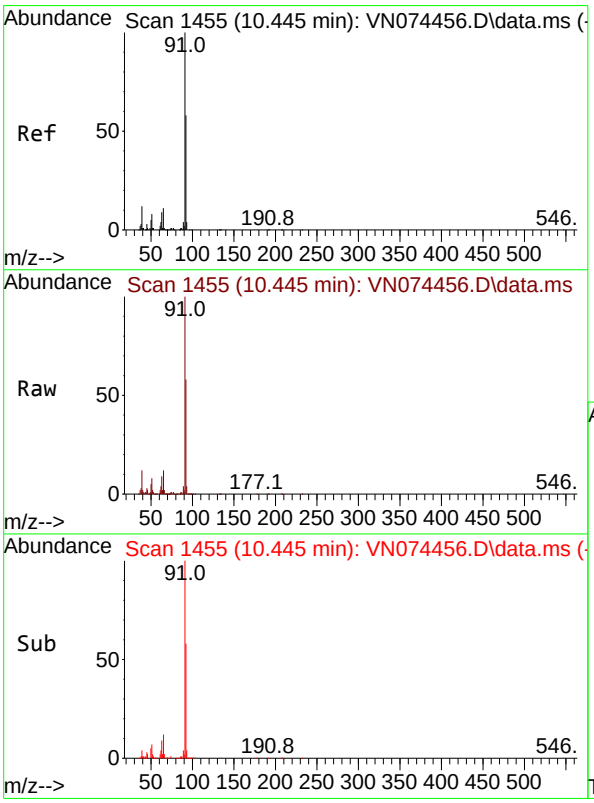
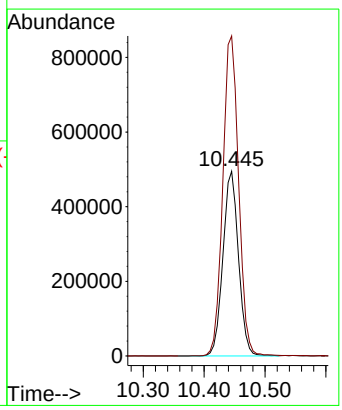


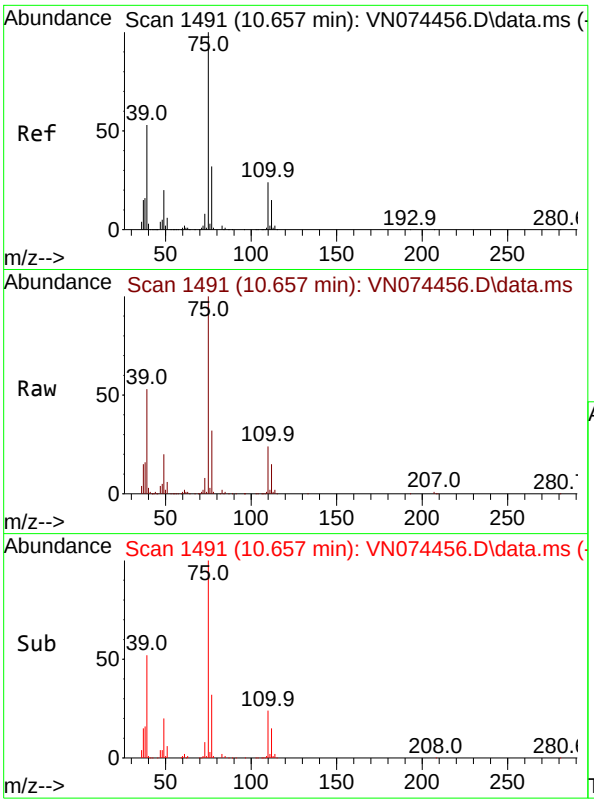


#52
Toluene
Concen: 61.580 ug/l
RT: 10.445 min Scan# 1455
Delta R.T. 0.000 min
Lab File: VN074456.D
Acq: 15 Sep 2022 11:48

Tgt Ion: 92 Resp: 876703

Ion	Ratio	Lower	Upper
92	100		
91	176.5	138.6	207.8

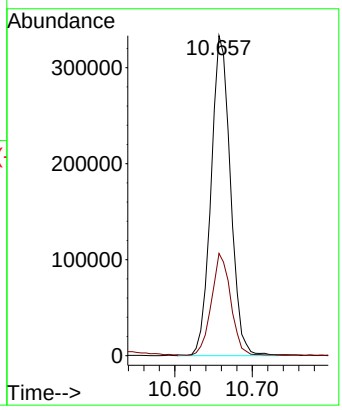




#53
t-1,3-Dichloropropene
Concen: 66.909 ug/l
RT: 10.657 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN074456.D
Acq: 15 Sep 2022 11:48

Tgt Ion: 75 Resp: 58008

Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.6	38.4



Instrument :
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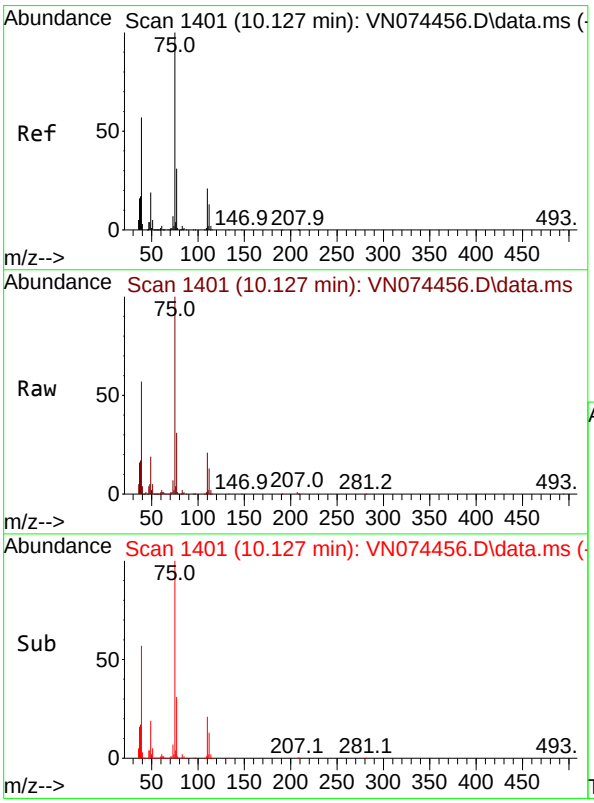
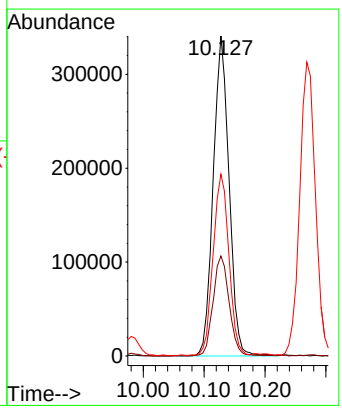
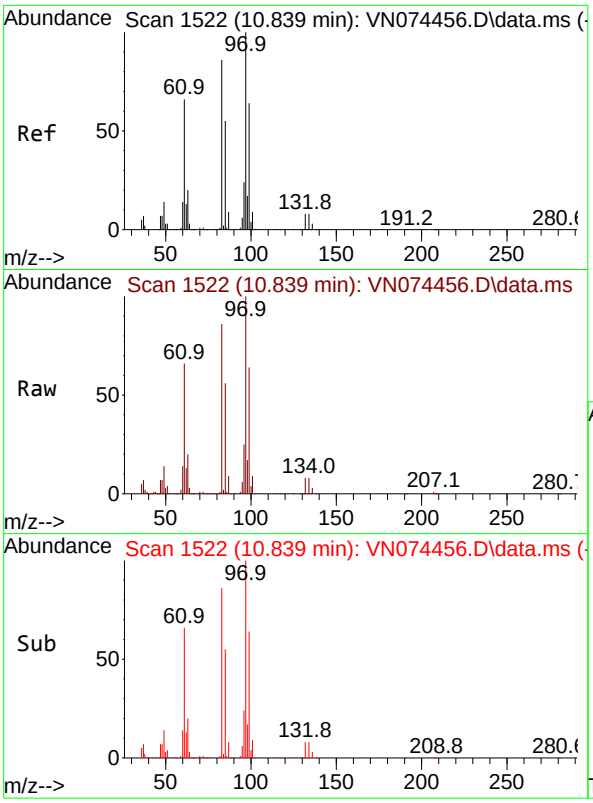


#54
cis-1,3-Dichloropropene
Concen: 64.977 ug/l
RT: 10.127 min Scan# 1401
Delta R.T. 0.000 min
Lab File: VN074456.D
Acq: 15 Sep 2022 11:48

Tgt Ion: 75 Resp: 614325

Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.2	37.8
39	56.7	35.7	53.5#

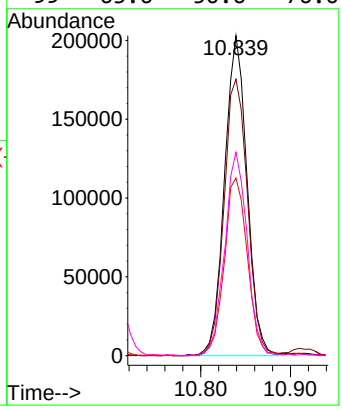




#55
1,1,2-Trichloroethane
Concen: 57.101 ug/l
RT: 10.839 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074456.D
Acq: 15 Sep 2022 11:48

Tgt Ion: 97 Resp: 35409

Ion	Ratio	Lower	Upper
97	100		
83	86.4	66.2	99.4
85	55.4	43.9	65.9
99	63.6	50.6	76.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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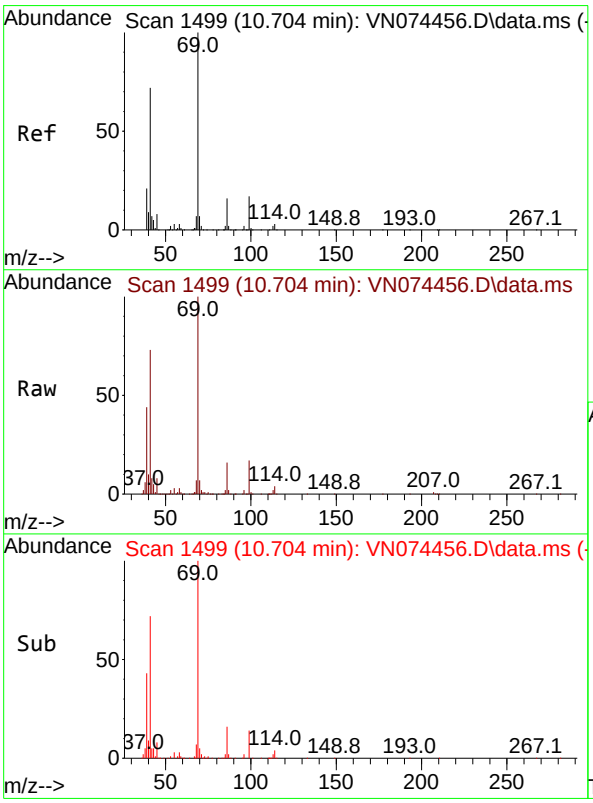
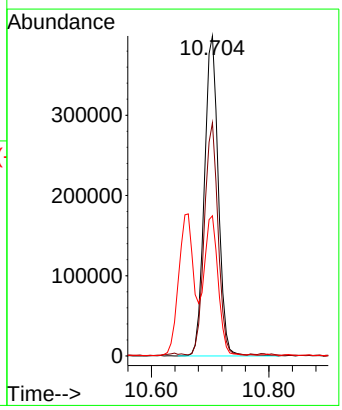
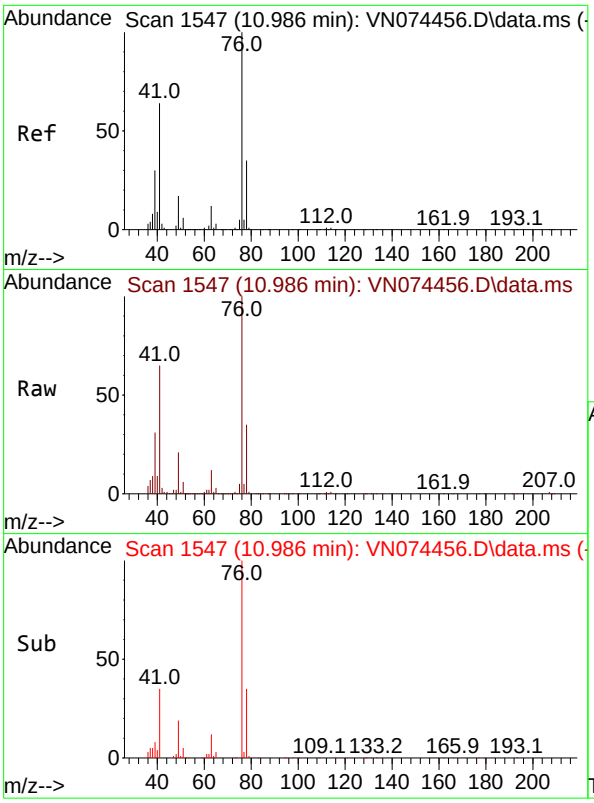


#56
Ethyl methacrylate
Concen: 64.662 ug/l
RT: 10.704 min Scan# 1499
Delta R.T. 0.000 min
Lab File: VN074456.D
Acq: 15 Sep 2022 11:48

Tgt Ion: 69 Resp: 652505

Ion	Ratio	Lower	Upper
69	100		
41	71.5	47.8	71.6
39	43.2	27.3	40.9#

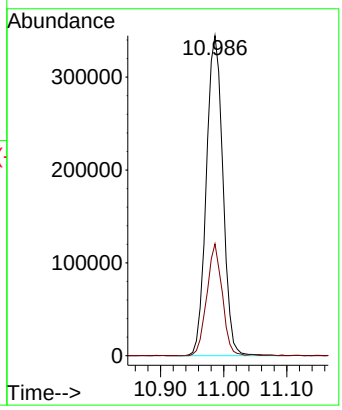




#57
1,3-Dichloropropane
Concen: 60.468 ug/l
RT: 10.986 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074456.D
Acq: 15 Sep 2022 11:48

Tgt Ion: 76 Resp: 62803

Ion	Ratio	Lower	Upper
76	100		
78	32.5	26.2	39.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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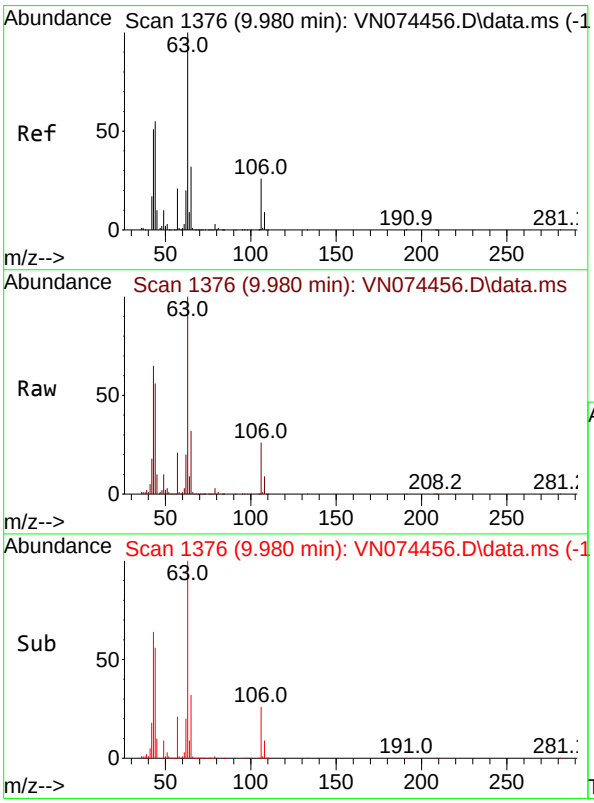
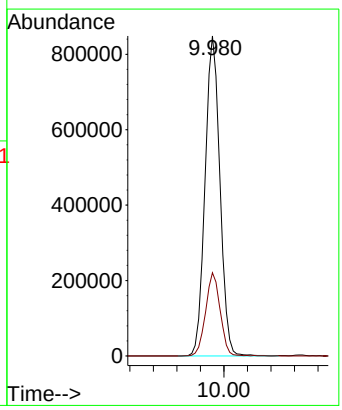
Supervised By :Mahesh Dadoda 09/16/2022

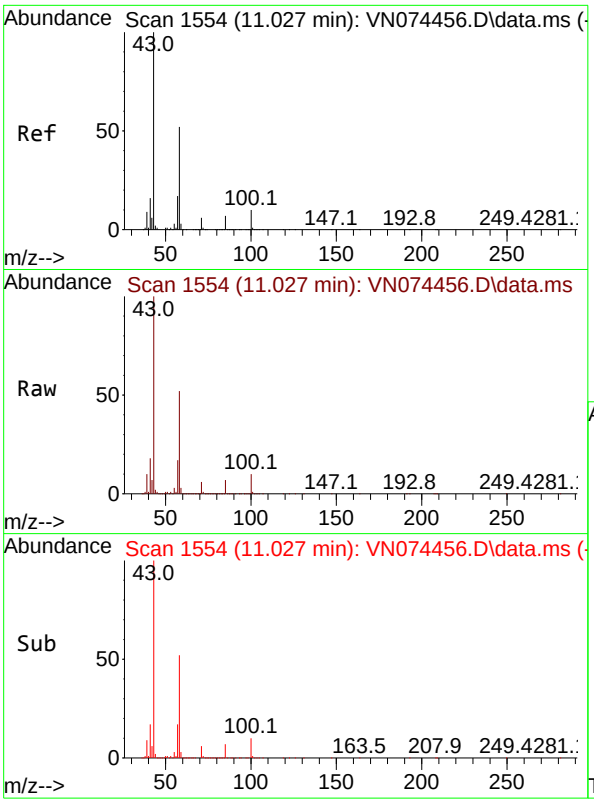


#58
2-Chloroethyl Vinyl ether
Concen: 333.402 ug/l
RT: 9.980 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VN074456.D
Acq: 15 Sep 2022 11:48

Tgt Ion: 63 Resp: 1483354

Ion	Ratio	Lower	Upper
63	100		
106	25.5	24.6	36.8

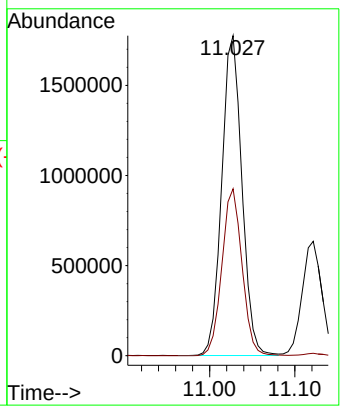




#59
2-Hexanone
Concen: 336.421 ug/l
RT: 11.027 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074456.D
Acq: 15 Sep 2022 11:48

Tgt Ion: 43 Resp: 292419

Ion	Ratio	Lower	Upper
43	100		
58	52.1	29.7	89.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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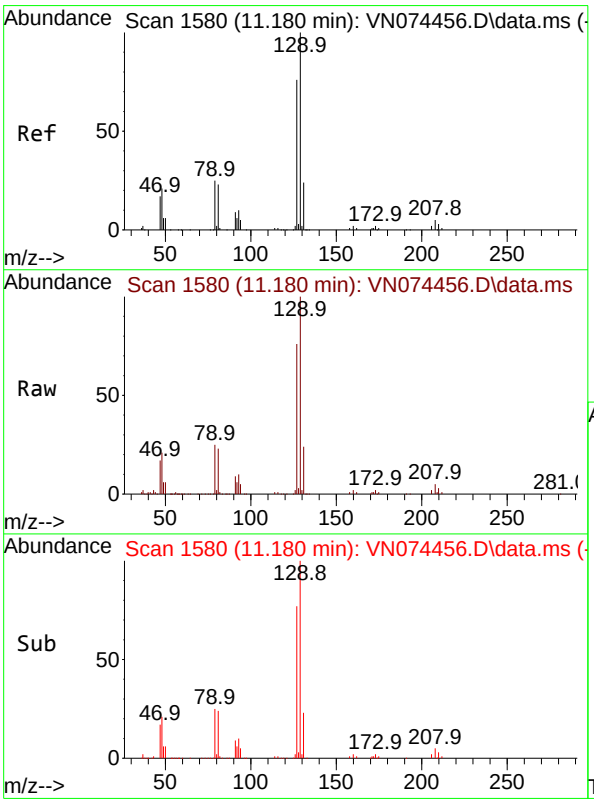
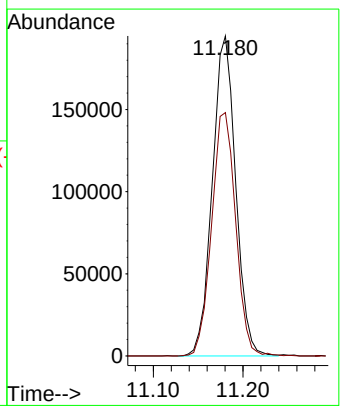
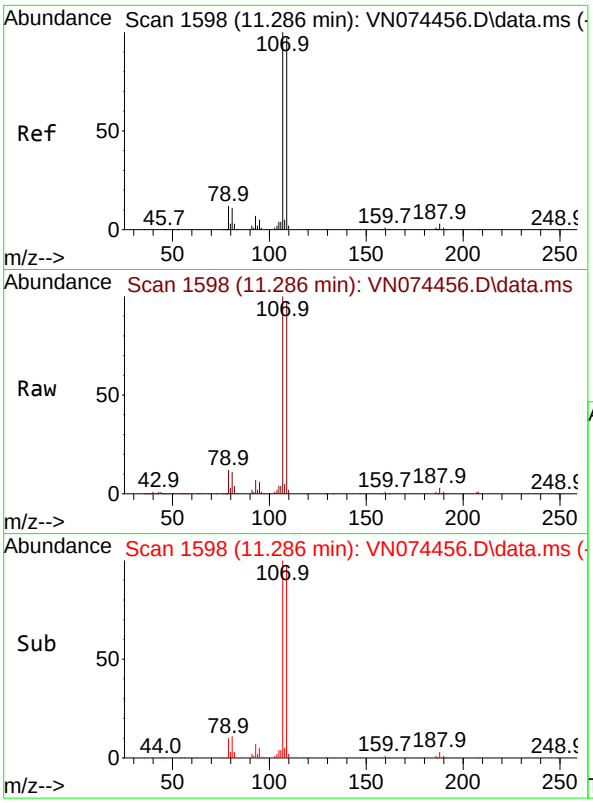


#60
Dibromochloromethane
Concen: 60.574 ug/l
RT: 11.180 min Scan# 1580
Delta R.T. 0.000 min
Lab File: VN074456.D
Acq: 15 Sep 2022 11:48

Tgt Ion:129 Resp: 351655

Ion	Ratio	Lower	Upper
129	100		
127	78.2	38.8	116.4

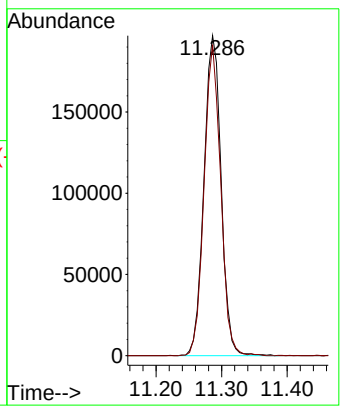




#61
1,2-Dibromoethane
Concen: 58.974 ug/l
RT: 11.286 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074456.D
Acq: 15 Sep 2022 11:48

Tgt Ion:107 Resp: 35894

Ion	Ratio	Lower	Upper
107	100		
109	93.8	75.0	112.6



Instrument :
MSVOA_N
ClientSampleId :
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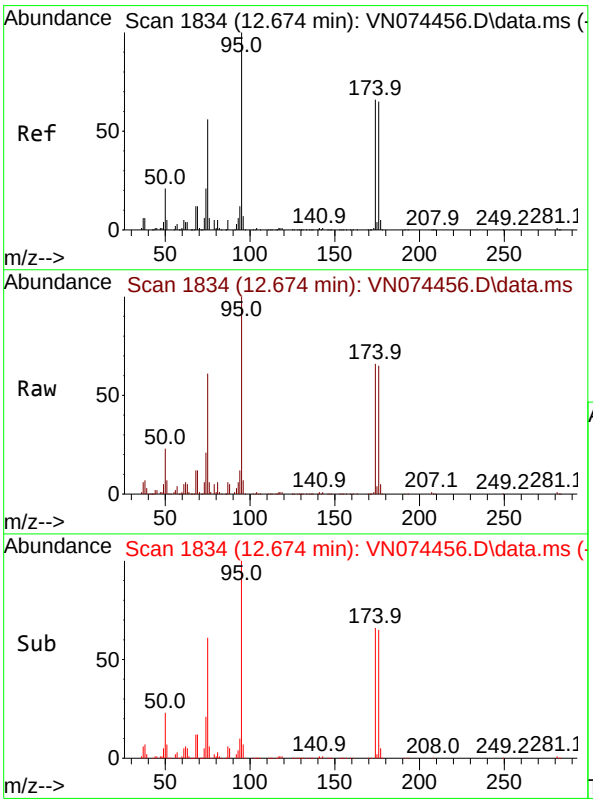
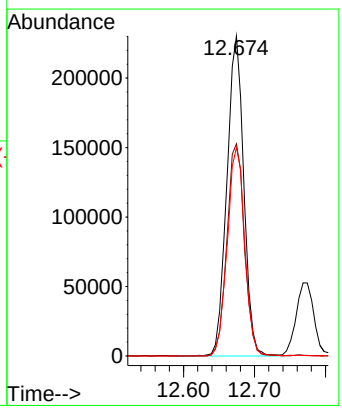
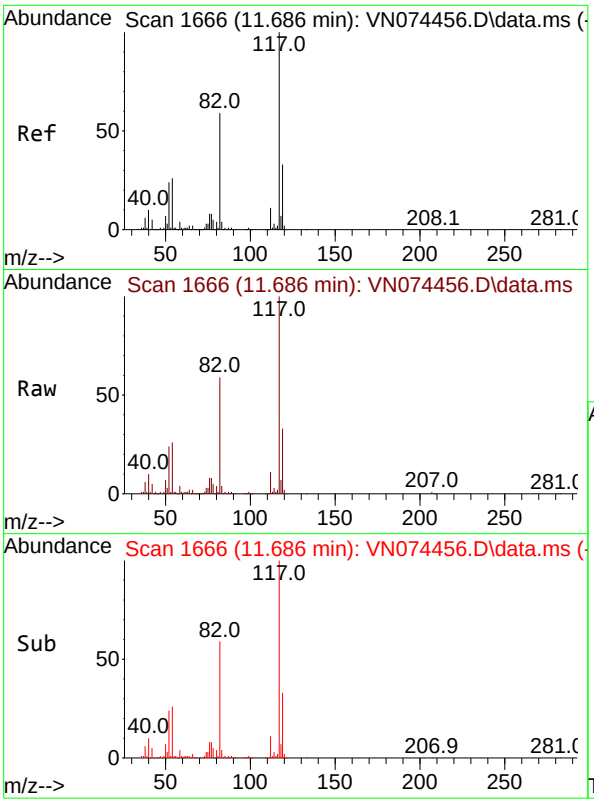


#62
4-Bromofluorobenzene
Concen: 53.598 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN074456.D
Acq: 15 Sep 2022 11:48

Tgt Ion: 95 Resp: 379262

Ion	Ratio	Lower	Upper
95	100		
174	68.8	0.0	167.6
176	67.3	0.0	163.4

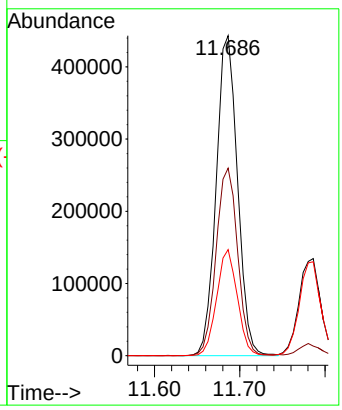




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VN074456.D
Acq: 15 Sep 2022 11:48

Tgt Ion:117 Resp: 77057

Ion	Ratio	Lower	Upper
117	100		
82	58.5	44.2	66.2
119	33.1	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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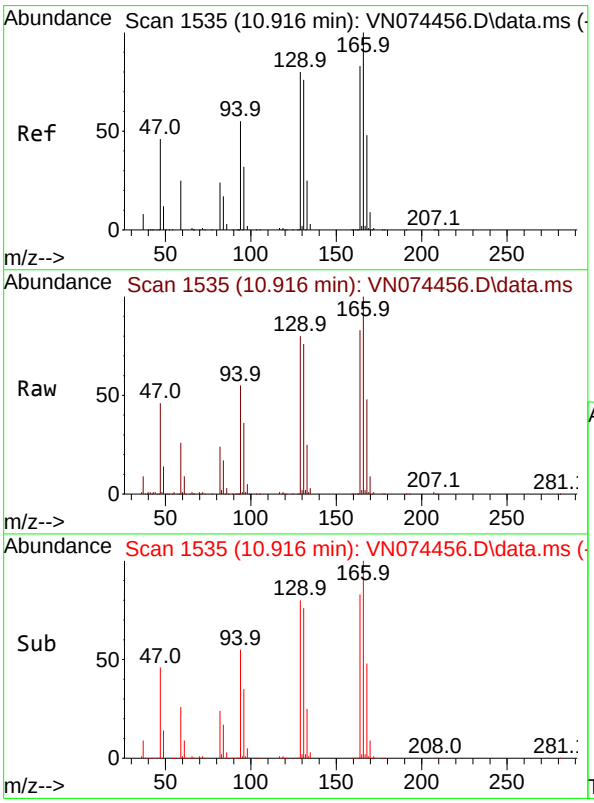
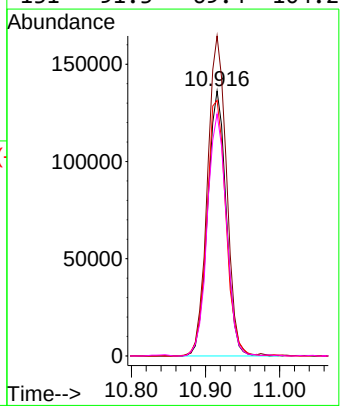
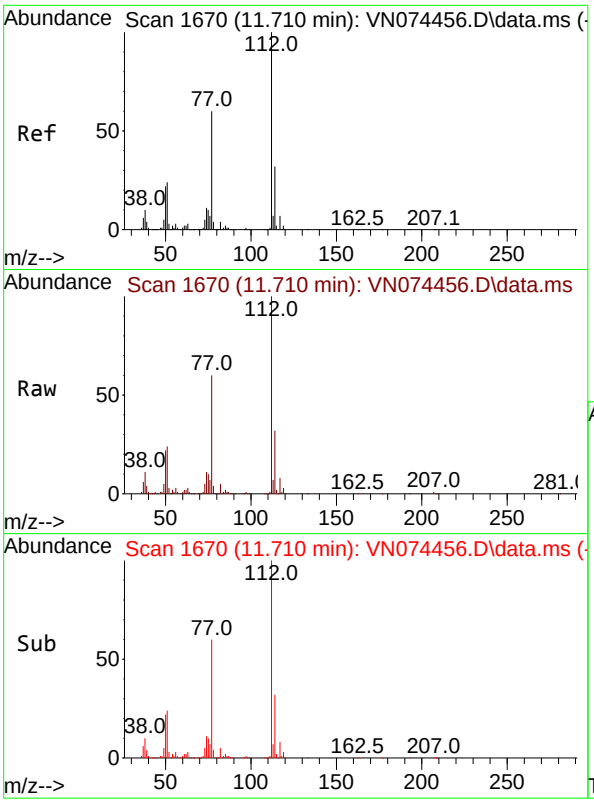


#64
Tetrachloroethene
Concen: 50.398 ug/l
RT: 10.916 min Scan# 1535
Delta R.T. 0.000 min
Lab File: VN074456.D
Acq: 15 Sep 2022 11:48

Tgt Ion:164 Resp: 236920

Ion	Ratio	Lower	Upper
164	100		
166	120.8	104.2	156.2
129	96.4	73.9	110.9
131	91.3	69.4	104.2

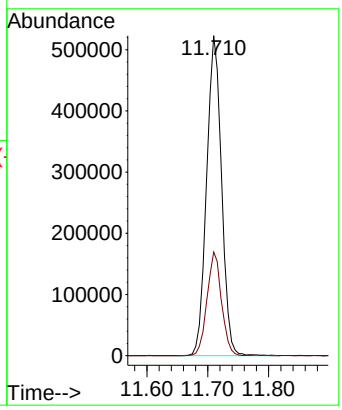




#65
Chlorobenzene
Concen: 57.555 ug/l
RT: 11.710 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074456.D
Acq: 15 Sep 2022 11:48

Tgt Ion:112 Resp: 88915

Ion	Ratio	Lower	Upper
112	100		
114	32.4	25.4	38.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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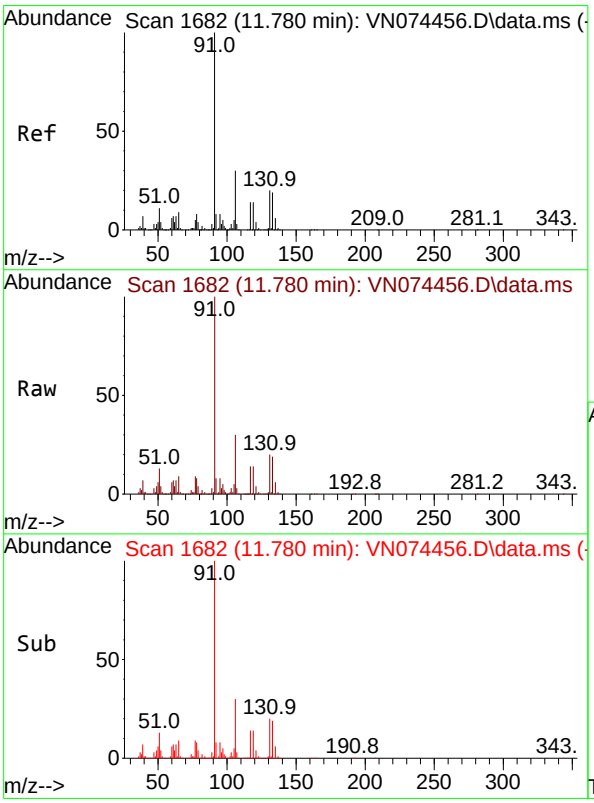
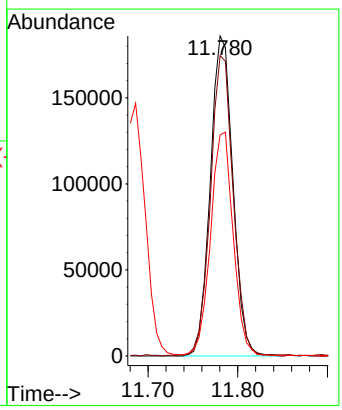
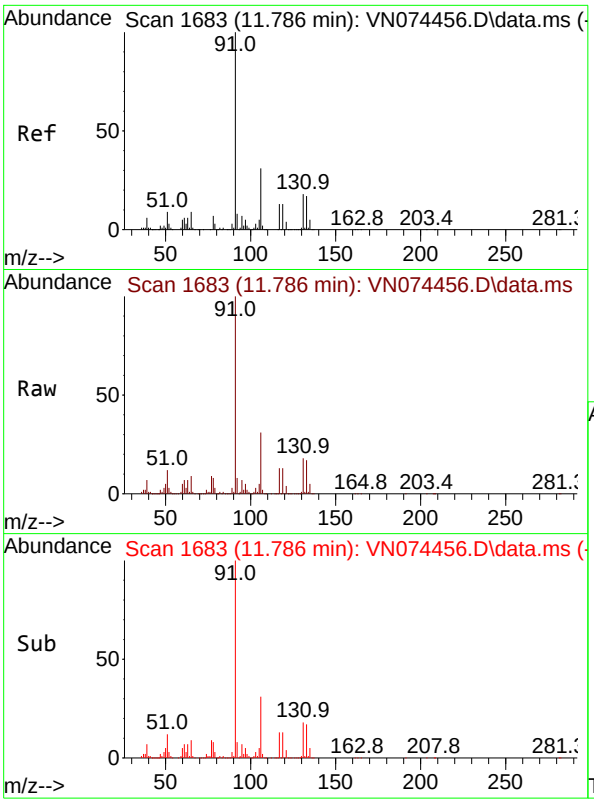


#66
1,1,1,2-Tetrachloroethane
Concen: 55.683 ug/l
RT: 11.780 min Scan# 1682
Delta R.T. 0.000 min
Lab File: VN074456.D
Acq: 15 Sep 2022 11:48

Tgt Ion:131 Resp: 324701

Ion	Ratio	Lower	Upper
131	100		
133	95.2	47.8	143.4
119	70.4	33.4	100.2

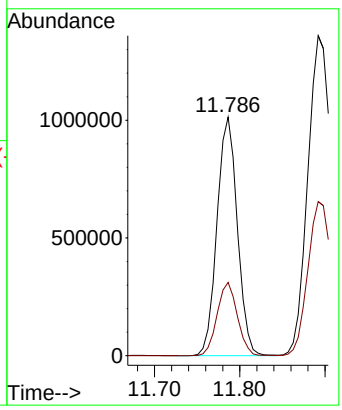




#67
Ethyl Benzene
Concen: 61.083 ug/l
RT: 11.786 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074456.D
Acq: 15 Sep 2022 11:48

Tgt Ion: 91 Resp: 167901

Ion	Ratio	Lower	Upper
91	100		
106	30.8	24.9	37.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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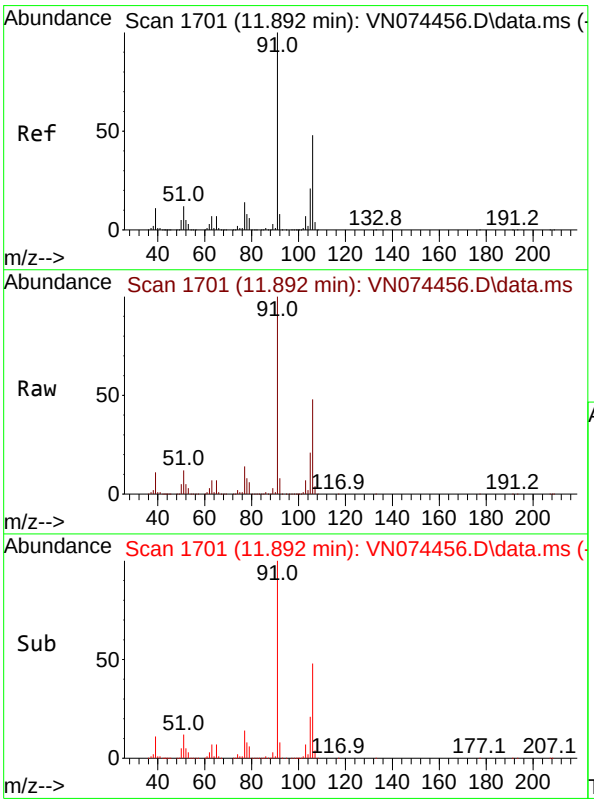
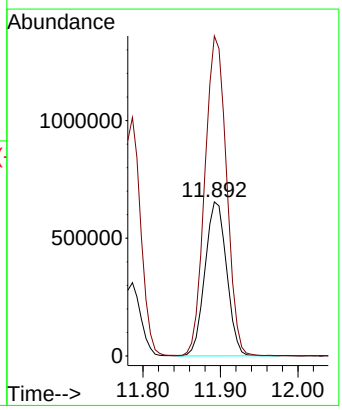
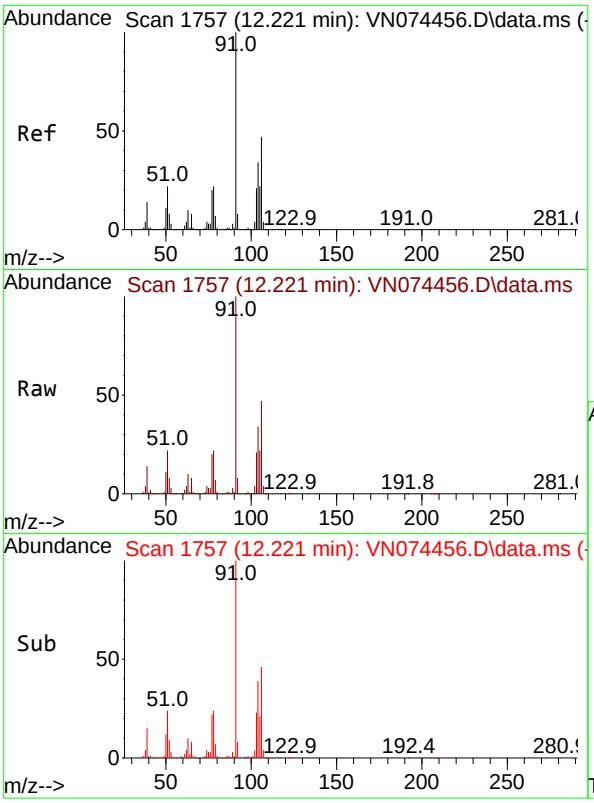


#68
m/p-Xylenes
Concen: 118.241 ug/l
RT: 11.892 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN074456.D
Acq: 15 Sep 2022 11:48

Tgt Ion:106 Resp: 1268831

Ion	Ratio	Lower	Upper
106	100		
91	208.2	158.9	238.3

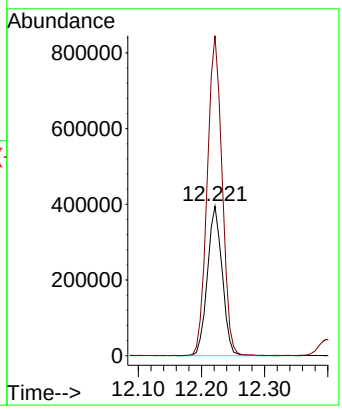




#69
o-Xylene
Concen: 59.584 ug/l
RT: 12.221 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074456.D
Acq: 15 Sep 2022 11:48

Tgt Ion:106 Resp: 64062

Ion	Ratio	Lower	Upper
106	100		
91	216.5	106.0	318.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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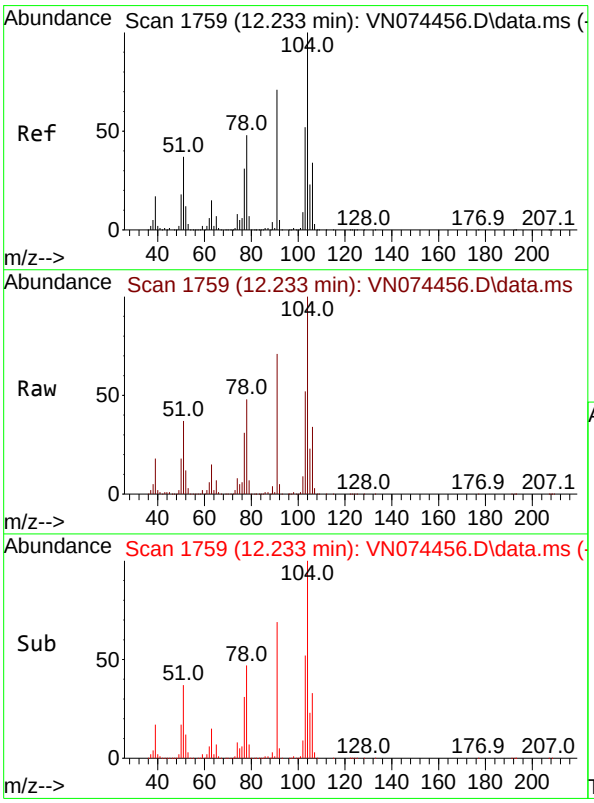
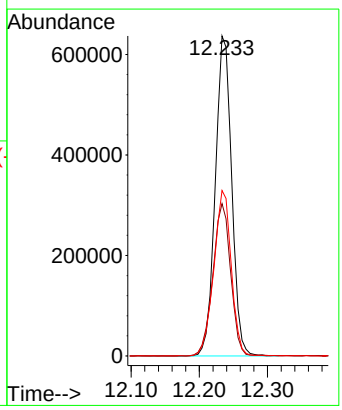
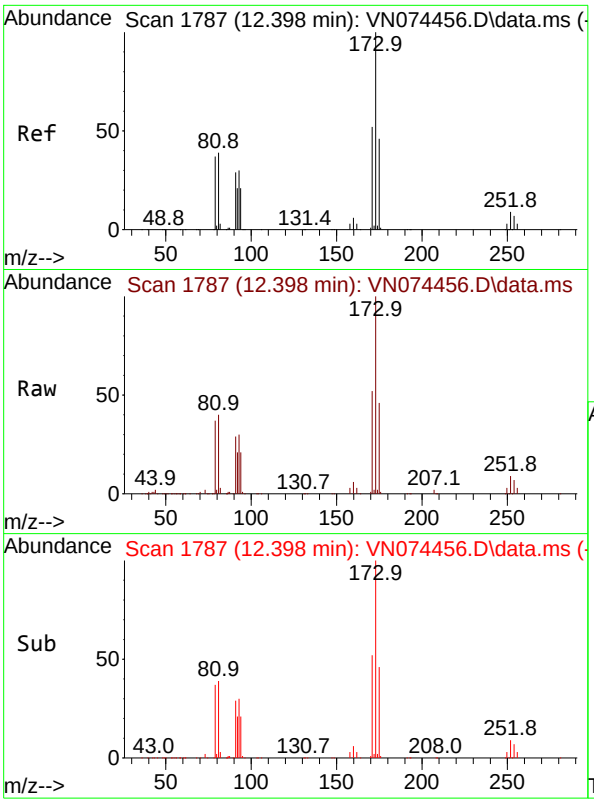


#70
Styrene
Concen: 61.657 ug/l
RT: 12.233 min Scan# 1759
Delta R.T. 0.000 min
Lab File: VN074456.D
Acq: 15 Sep 2022 11:48

Tgt Ion:104 Resp: 1067942

Ion	Ratio	Lower	Upper
104	100		
78	51.6	39.5	59.3
103	55.0	44.0	66.0

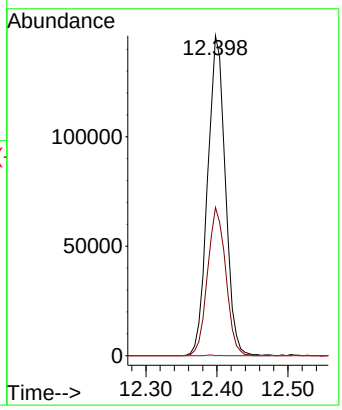




#71
Bromoform
Concen: 57.941 ug/l
RT: 12.398 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074456.D
Acq: 15 Sep 2022 11:48

Tgt Ion:173 Resp: 25333

Ion	Ratio	Lower	Upper
173	100		
175	47.5	24.6	73.6
254	0.1	0.1	0.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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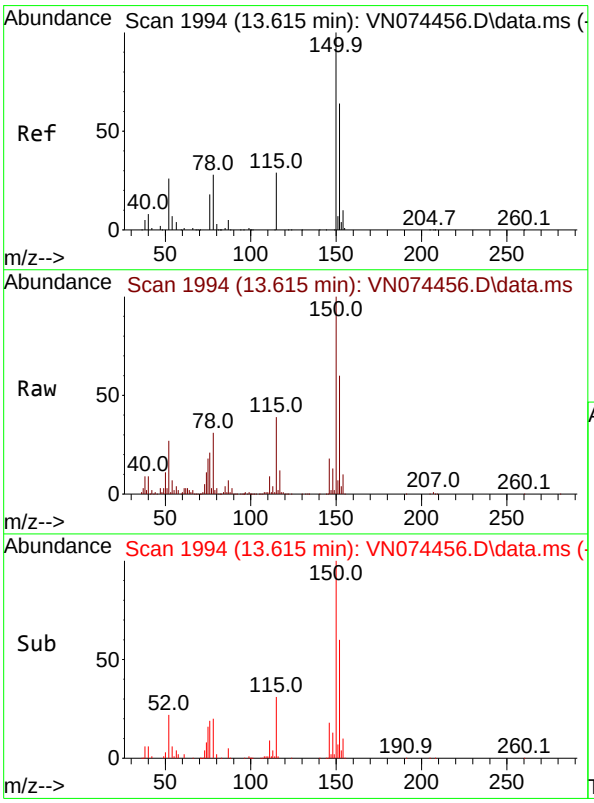
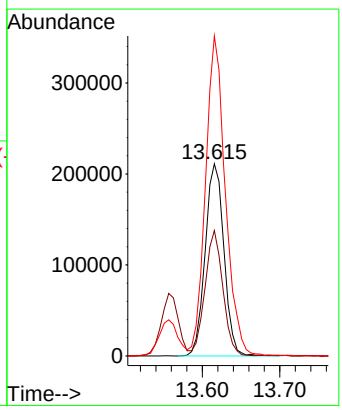
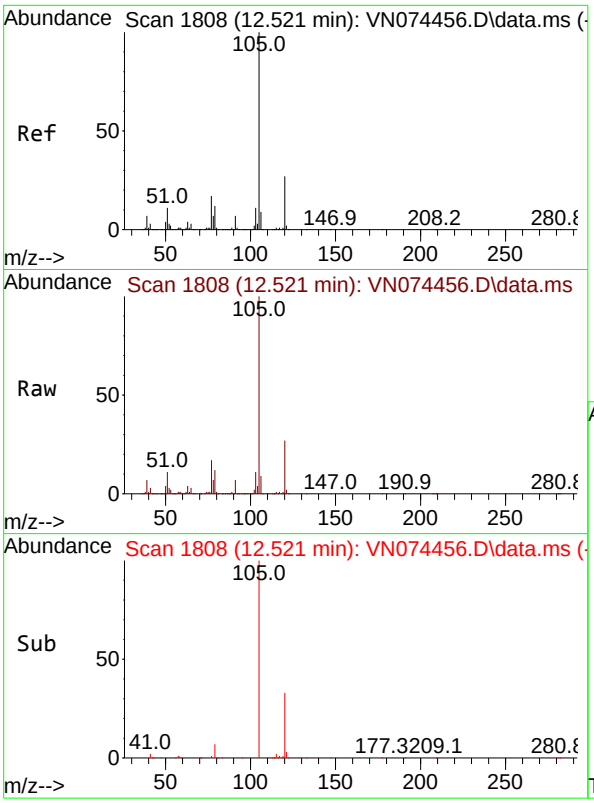


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.615 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VN074456.D
Acq: 15 Sep 2022 11:48

Tgt Ion:152 Resp: 355322

Ion	Ratio	Lower	Upper
152	100		
115	61.4	28.9	86.7
150	176.5	0.0	356.2

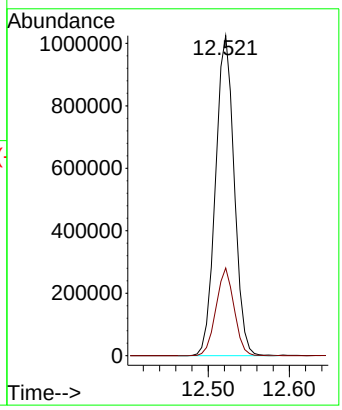




#73
Isopropylbenzene
Concen: 57.794 ug/l
RT: 12.521 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN074456.D
Acq: 15 Sep 2022 11:48

Tgt Ion:105 Resp: 163942

Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.5	40.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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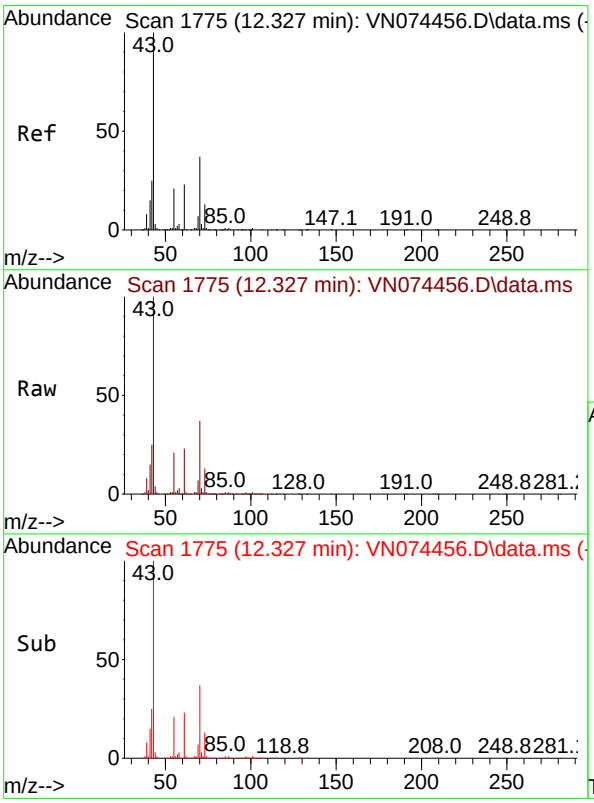
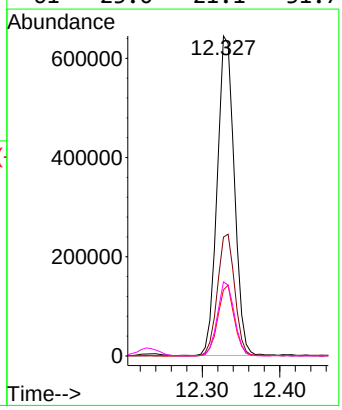
Supervised By :Mahesh Dadoda 09/16/2022

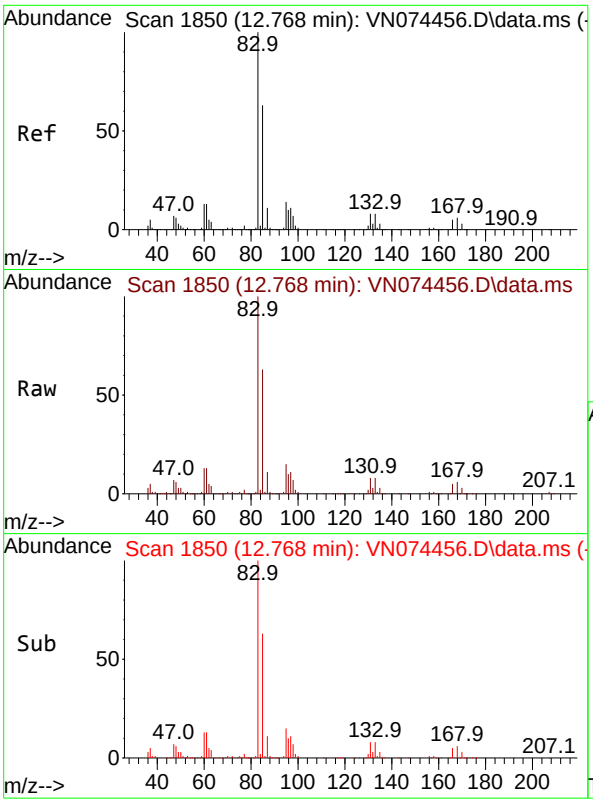


#74
N-amyl acetate
Concen: 65.212 ug/l
RT: 12.327 min Scan# 1775
Delta R.T. 0.000 min
Lab File: VN074456.D
Acq: 15 Sep 2022 11:48

Tgt Ion: 43 Resp: 987789

Ion	Ratio	Lower	Upper
43	100		
70	38.6	39.0	58.4#
55	21.3	21.1	31.7
61	23.0	21.1	31.7





#75
1,1,2,2-Tetrachloroethane
Concen: 60.128 ug/l
RT: 12.768 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074456.D
Acq: 15 Sep 2022 11:48

Tgt Ion: 83 Resp: 62295

Ion	Ratio	Lower	Upper
83	100		
131	9.0	5.3	15.9
85	63.7	32.3	96.9

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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Reviewed By :John Carlone 09/16/2022
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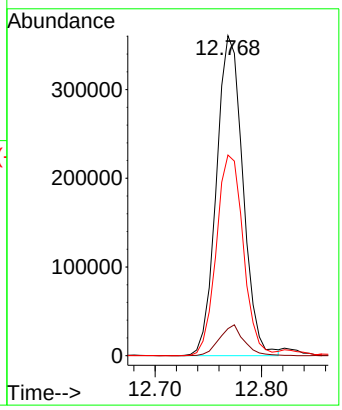
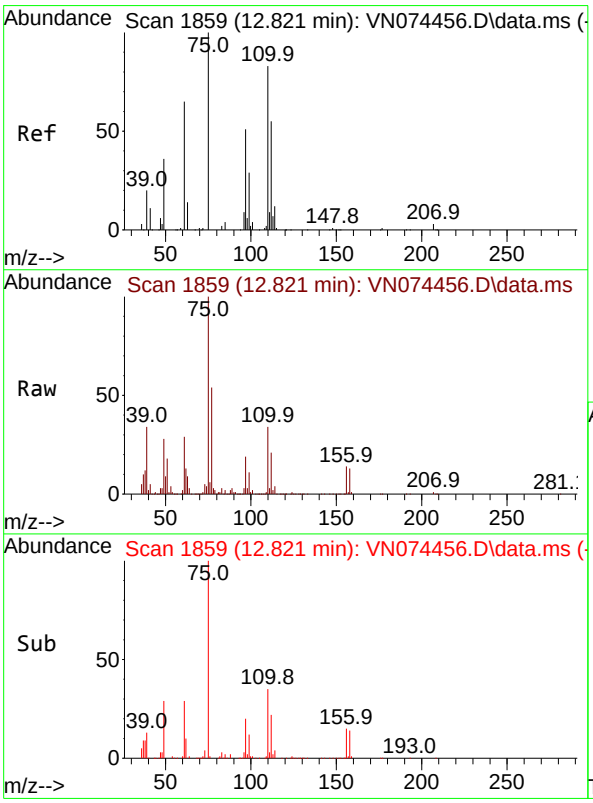
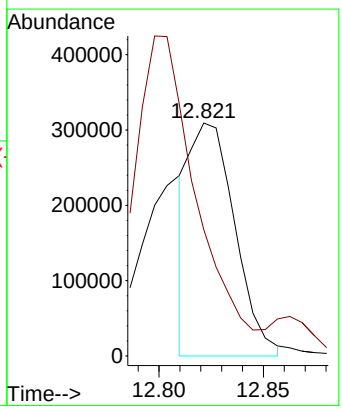


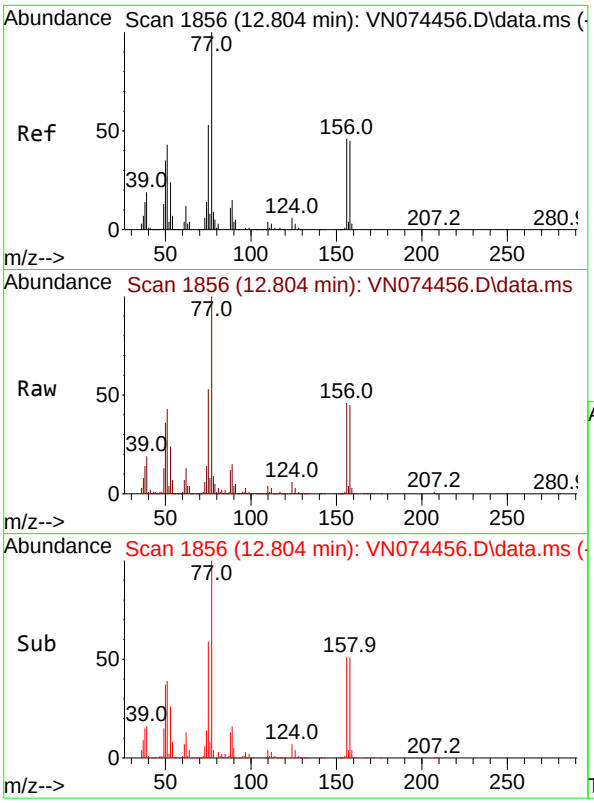


#76
1,2,3-Trichloropropane
Concen: 52.931 ug/l m
RT: 12.821 min Scan# 1859
Delta R.T. 0.000 min
Lab File: VN074456.D
Acq: 15 Sep 2022 11:48

Tgt Ion: 75 Resp: 471986

Ion	Ratio	Lower	Upper
75	100		
77	0.0	98.5	295.5#

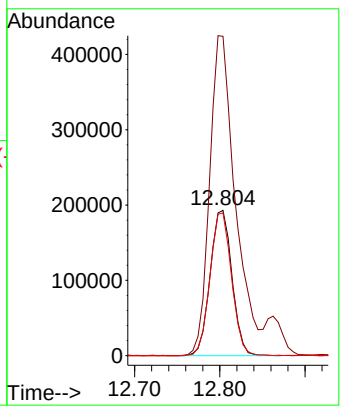




#77
Bromobenzene
Concen: 51.742 ug/l
RT: 12.804 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074456.D
Acq: 15 Sep 2022 11:48

Tgt Ion:156 Resp: 34254

Ion	Ratio	Lower	Upper
156	100		
77	257.7	100.5	301.5
158	97.5	48.9	146.6



Instrument :
MSVOA_N
ClientSampleId :
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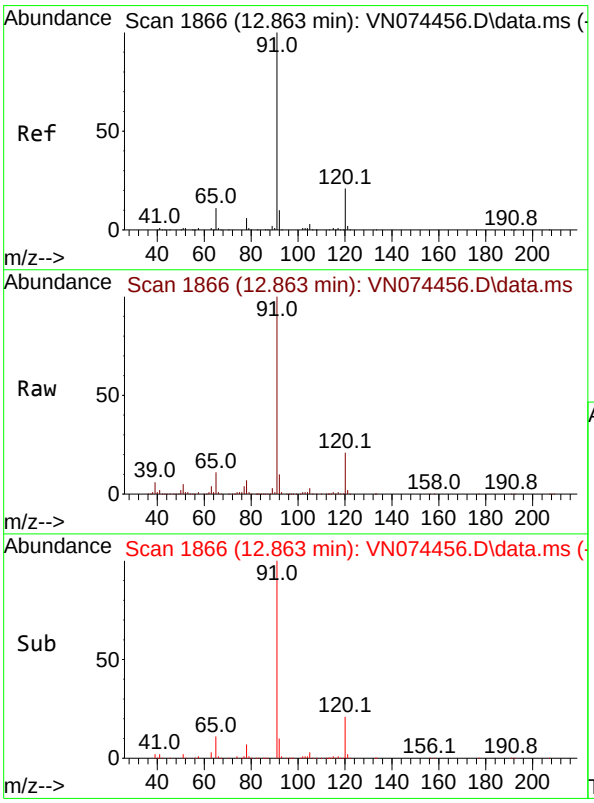
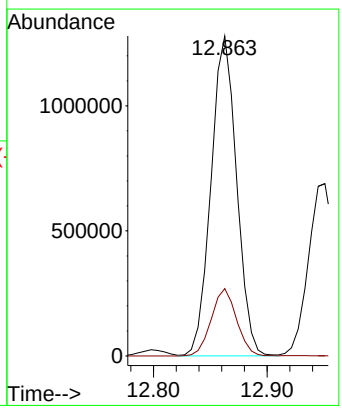
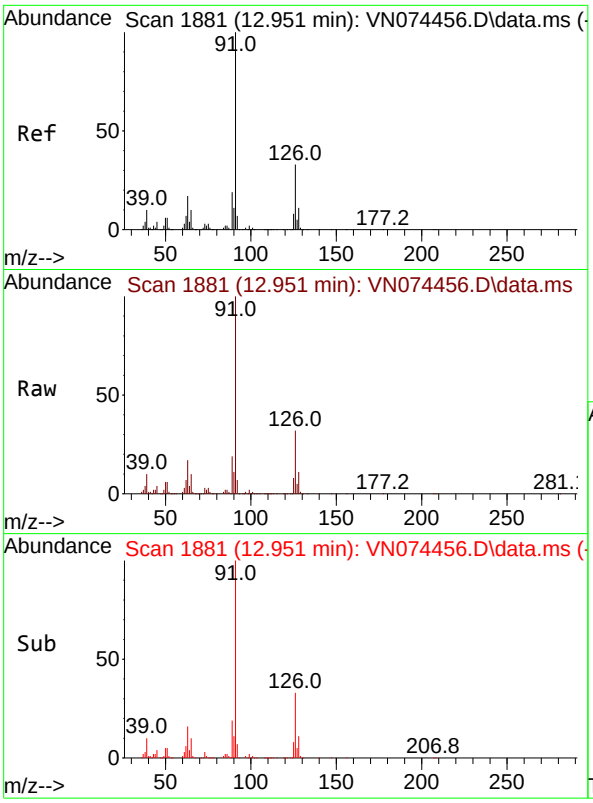


#78
n-propylbenzene
Concen: 63.256 ug/l
RT: 12.863 min Scan# 1866
Delta R.T. 0.000 min
Lab File: VN074456.D
Acq: 15 Sep 2022 11:48

Tgt Ion: 91 Resp: 2004924

Ion	Ratio	Lower	Upper
91	100		
120	20.8	11.9	35.5

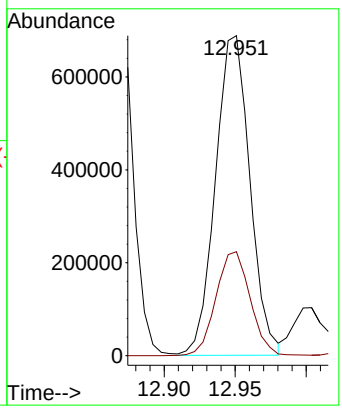




#79
2-Chlorotoluene
Concen: 57.404 ug/l
RT: 12.951 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074456.D
Acq: 15 Sep 2022 11:48

Tgt Ion: 91 Resp: 116114

Ion	Ratio	Lower	Upper
91	100		
126	32.4	17.3	51.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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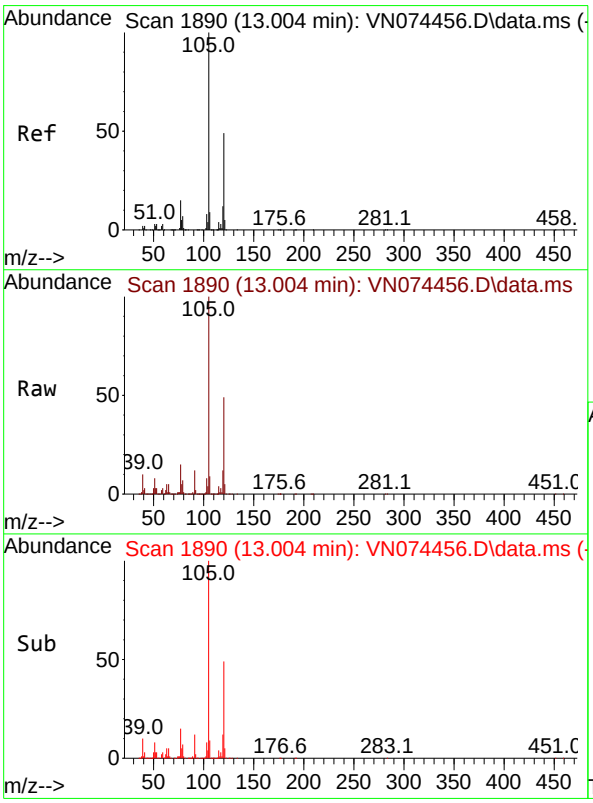
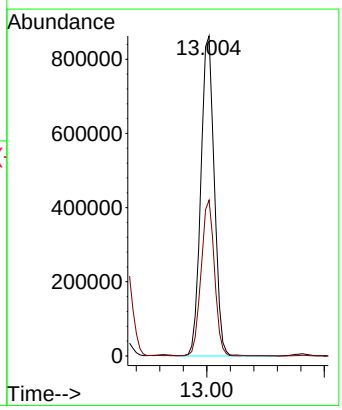
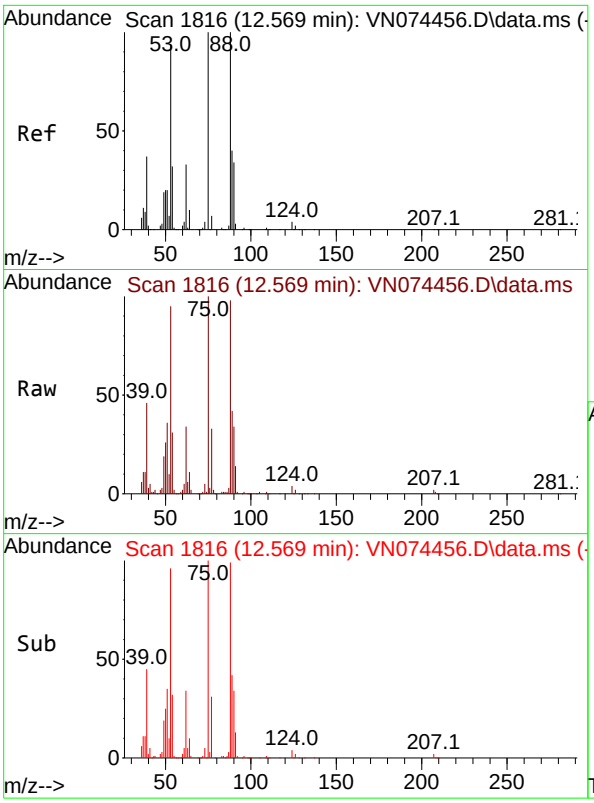


#80
1,3,5-Trimethylbenzene
Concen: 58.665 ug/l
RT: 13.004 min Scan# 1890
Delta R.T. 0.000 min
Lab File: VN074456.D
Acq: 15 Sep 2022 11:48

Tgt Ion:105 Resp: 1365255

Ion	Ratio	Lower	Upper
105	100		
120	48.4	24.9	74.7

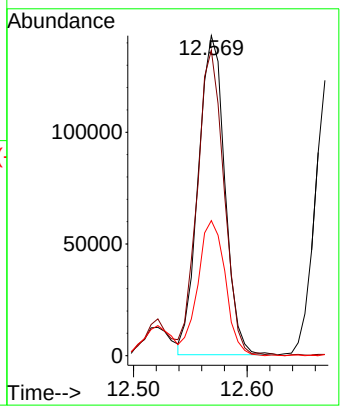




#81
trans-1,4-Dichloro-2-butene
Concen: 67.342 ug/l
RT: 12.569 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074456.D
Acq: 15 Sep 2022 11:48

Tgt Ion: 75 Resp: 23188

Ion	Ratio	Lower	Upper
75	100		
53	96.7	78.0	117.0
89	43.9	37.2	55.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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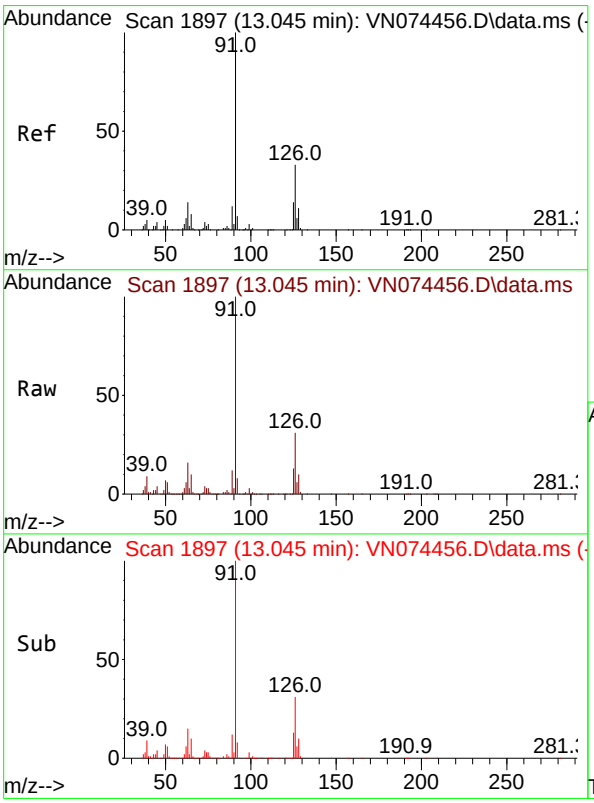
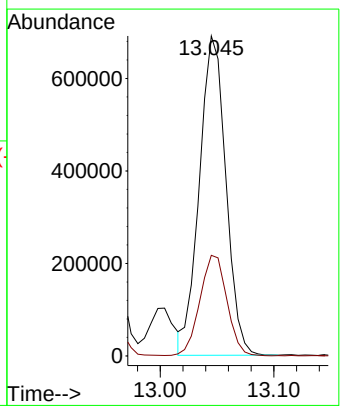
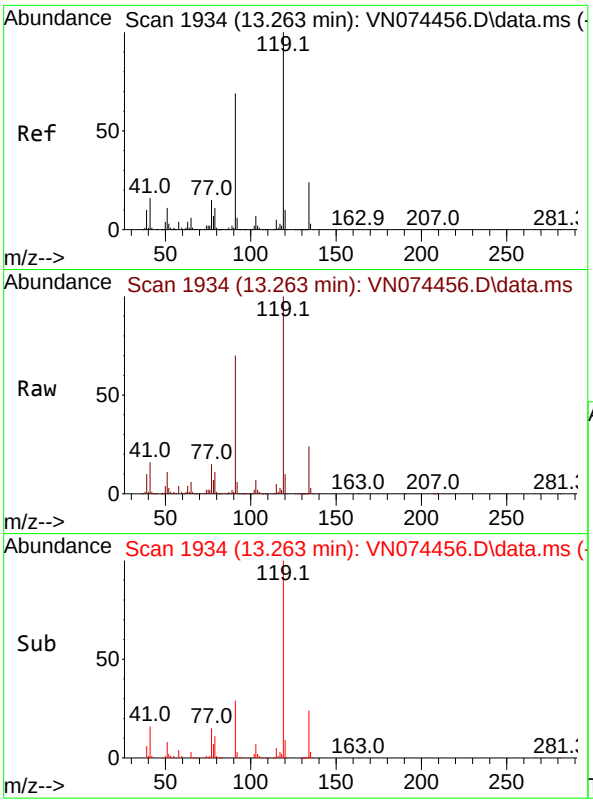


#82
4-Chlorotoluene
Concen: 58.451 ug/l
RT: 13.045 min Scan# 1897
Delta R.T. 0.000 min
Lab File: VN074456.D
Acq: 15 Sep 2022 11:48

Tgt Ion: 91 Resp: 1117491

Ion	Ratio	Lower	Upper
91	100		
126	32.1	17.2	51.6

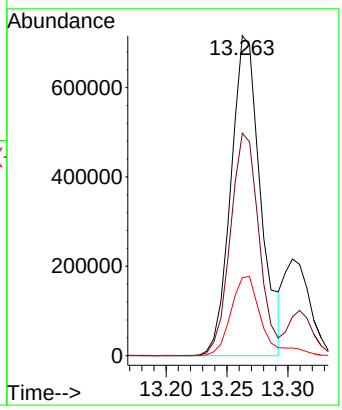




#83
tert-Butylbenzene
Concen: 57.103 ug/l
RT: 13.263 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074456.D
Acq: 15 Sep 2022 11:48

Tgt Ion:119 Resp: 121147

Ion	Ratio	Lower	Upper
119	100		
91	67.0	31.6	94.8
134	25.9	13.7	41.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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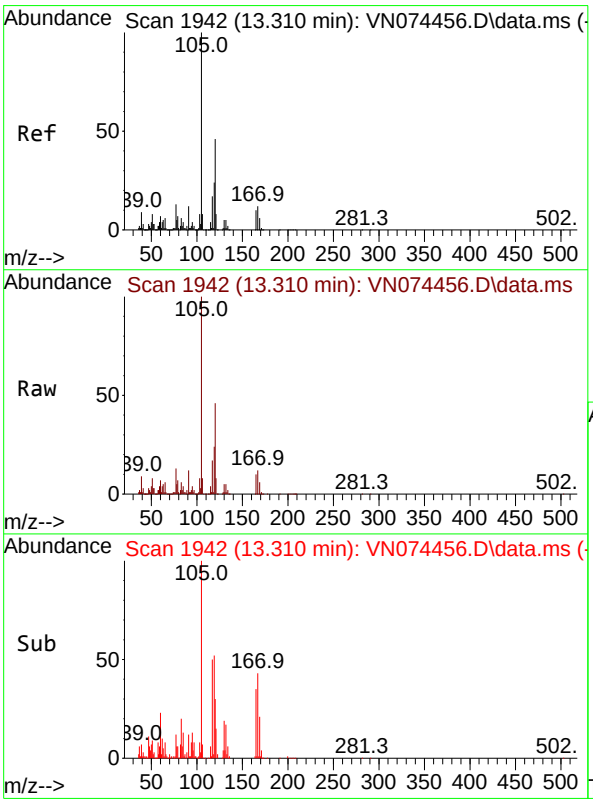
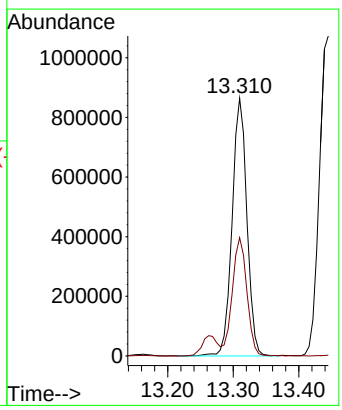
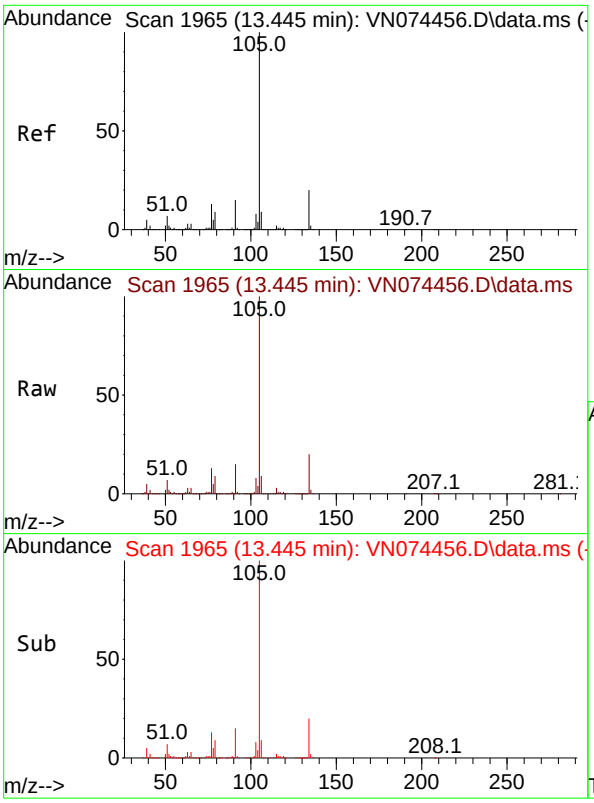


#84
1,2,4-Trimethylbenzene
Concen: 58.469 ug/l
RT: 13.310 min Scan# 1942
Delta R.T. 0.000 min
Lab File: VN074456.D
Acq: 15 Sep 2022 11:48

Tgt Ion:105 Resp: 1356804

Ion	Ratio	Lower	Upper
105	100		
120	45.3	23.3	69.8

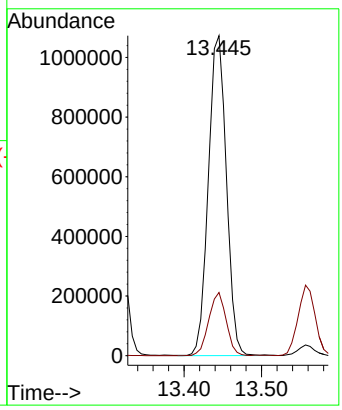




#85
sec-Butylbenzene
Concen: 60.565 ug/l
RT: 13.445 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074456.D
Acq: 15 Sep 2022 11:48

Tgt Ion:105 Resp: 173451

Ion	Ratio	Lower	Upper
105	100		
134	19.1	10.4	31.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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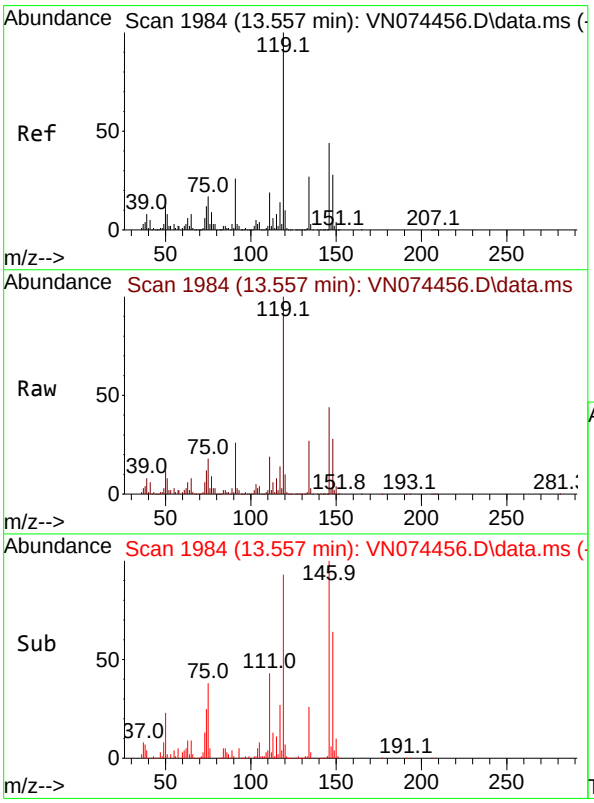
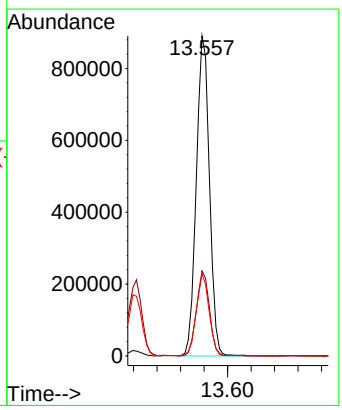
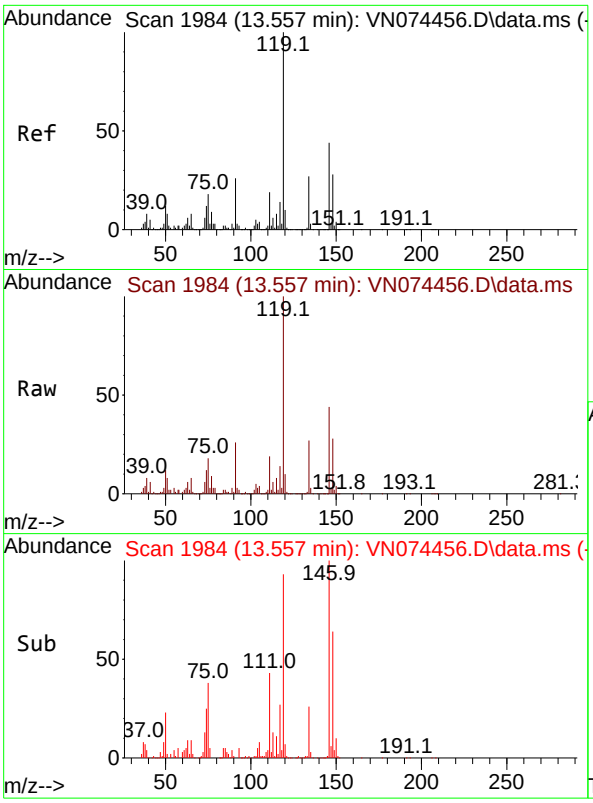


#86
p-Isopropyltoluene
Concen: 60.019 ug/l
RT: 13.557 min Scan# 1984
Delta R.T. 0.000 min
Lab File: VN074456.D
Acq: 15 Sep 2022 11:48

Tgt Ion:119 Resp: 1381712

Ion	Ratio	Lower	Upper
119	100		
134	26.1	13.3	39.8
91	24.7	11.3	33.9





#87
1,3-Dichlorobenzene
Concen: 54.072 ug/l
RT: 13.557 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074456.D
Acq: 15 Sep 2022 11:48

Tgt Ion:146 Resp: 64792

Ion	Ratio	Lower	Upper
146	100		
111	42.2	20.0	60.0
148	63.5	32.0	96.0

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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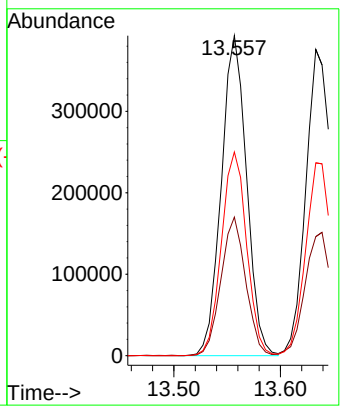
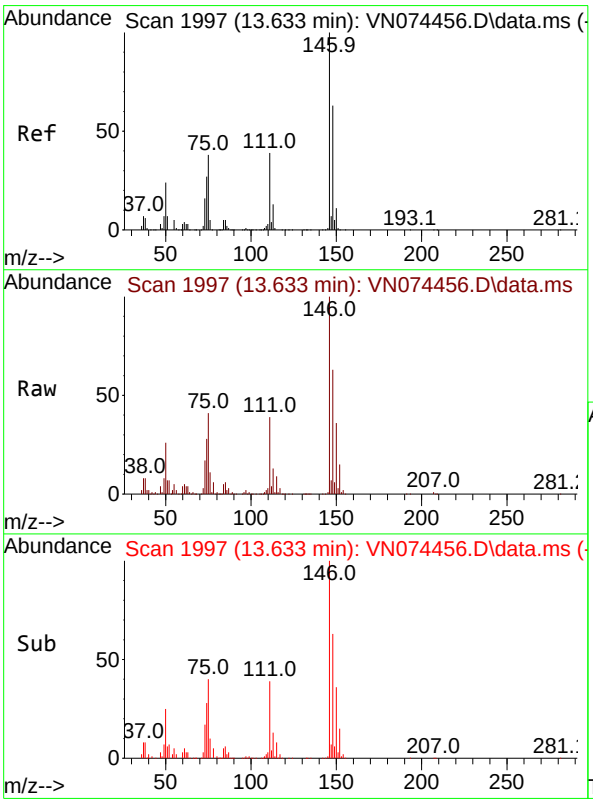
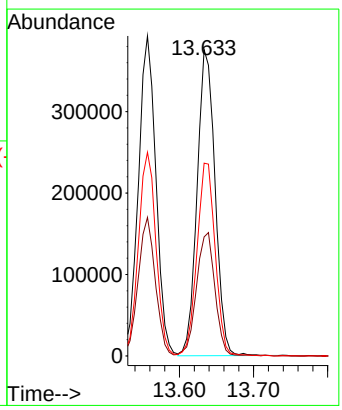


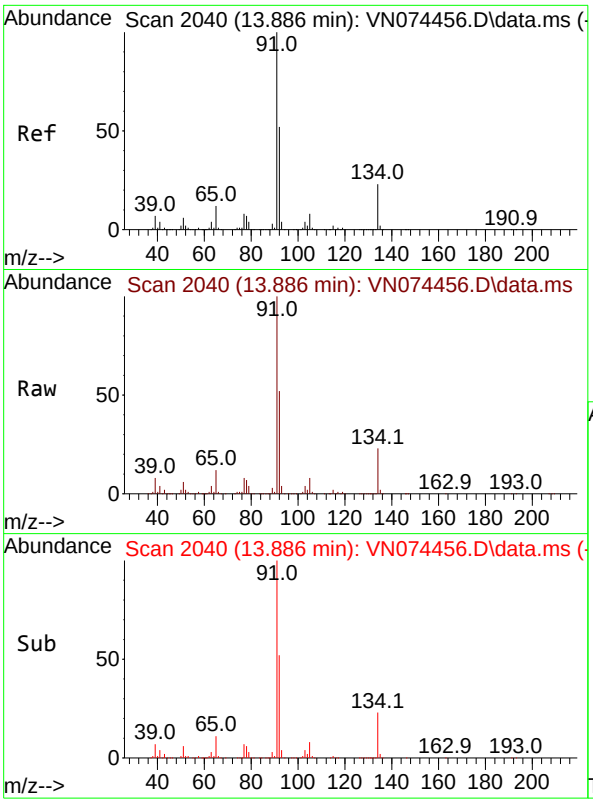


#88
1,4-Dichlorobenzene
Concen: 52.507 ug/l
RT: 13.633 min Scan# 1997
Delta R.T. 0.000 min
Lab File: VN074456.D
Acq: 15 Sep 2022 11:48

Tgt Ion:146 Resp: 632867

Ion	Ratio	Lower	Upper
146	100		
111	40.9	19.1	57.1
148	63.8	31.4	94.3

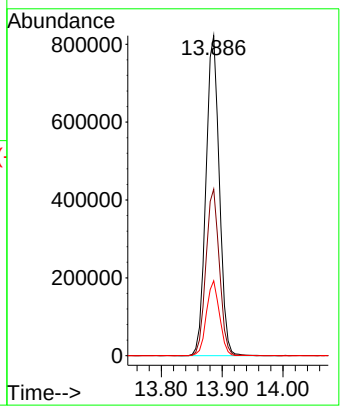




#89
n-Butylbenzene
Concen: 65.357 ug/l
RT: 13.886 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN074456.D
Acq: 15 Sep 2022 11:48

Tgt Ion: 91 Resp: 125238

Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.9	80.7
134	22.9	13.6	40.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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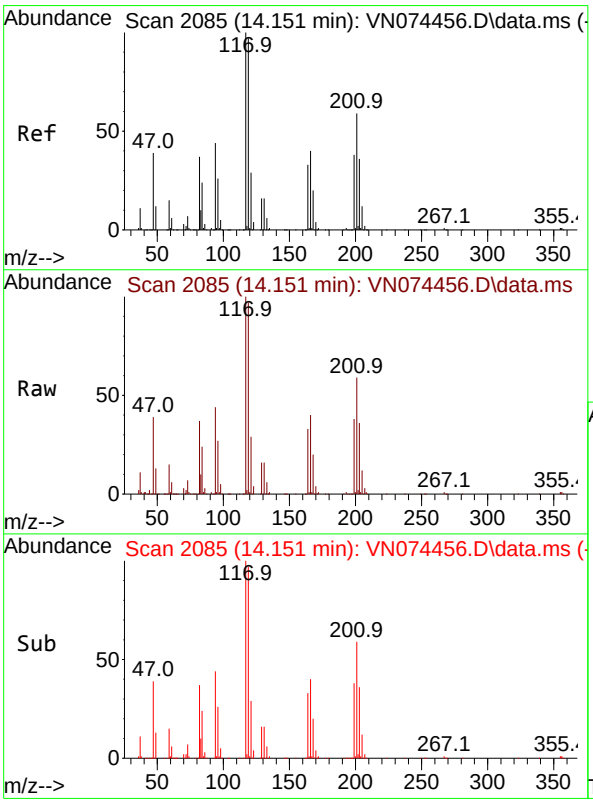
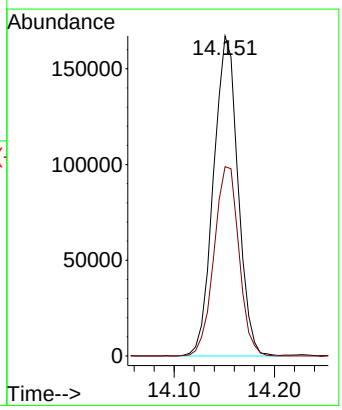
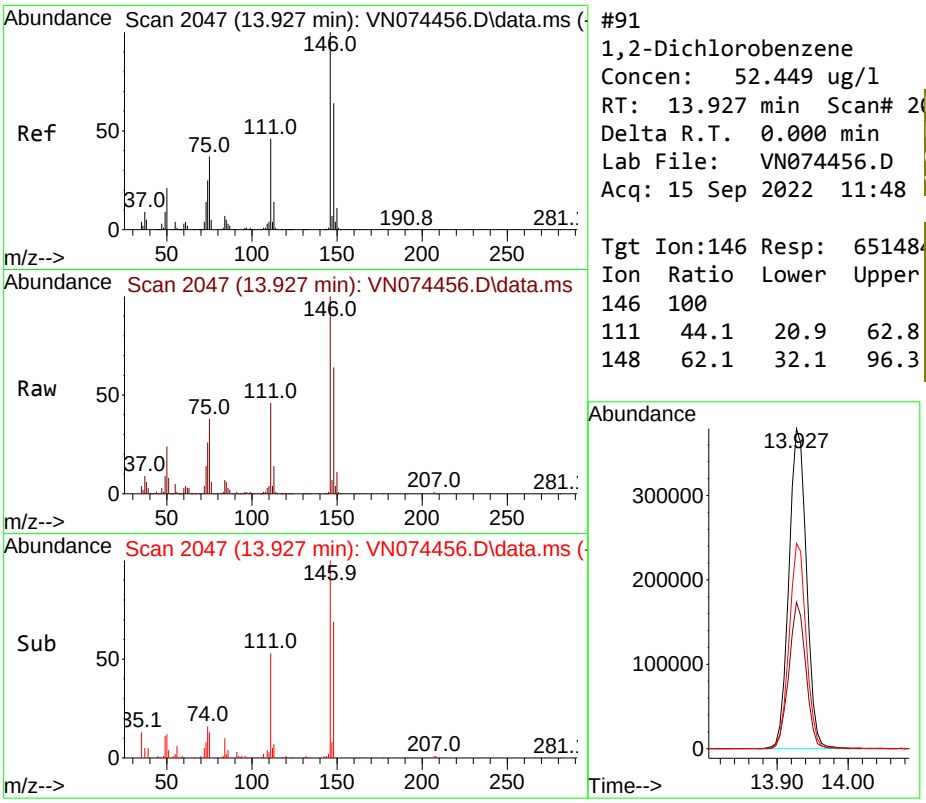


#90
Hexachloroethane
Concen: 63.889 ug/l
RT: 14.151 min Scan# 2085
Delta R.T. 0.000 min
Lab File: VN074456.D
Acq: 15 Sep 2022 11:48

Tgt Ion:117 Resp: 282694

Ion	Ratio	Lower	Upper
117	100		
201	60.5	40.6	122.0





#91
1,2-Dichlorobenzene
Concen: 52.449 ug/l
RT: 13.927 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN074456.D
Acq: 15 Sep 2022 11:48

Tgt Ion:146 Resp: 65148

Ion	Ratio	Lower	Upper
146	100		
111	44.1	20.9	62.8
148	62.1	32.1	96.3

Instrument :
MSVOA_N
ClientSampleId :
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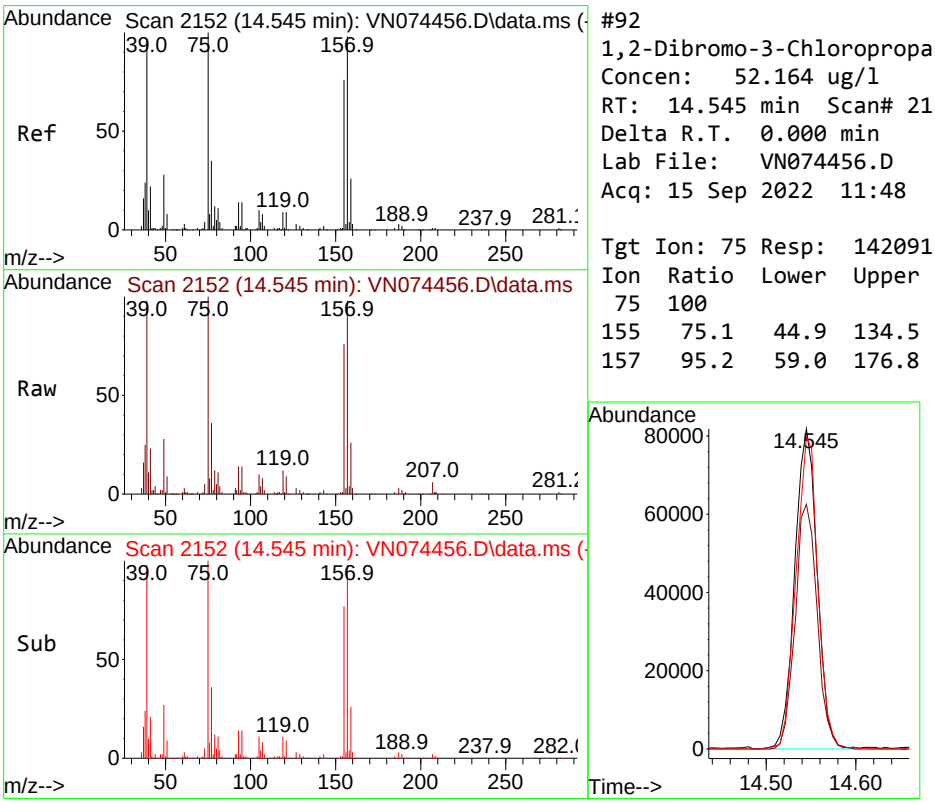
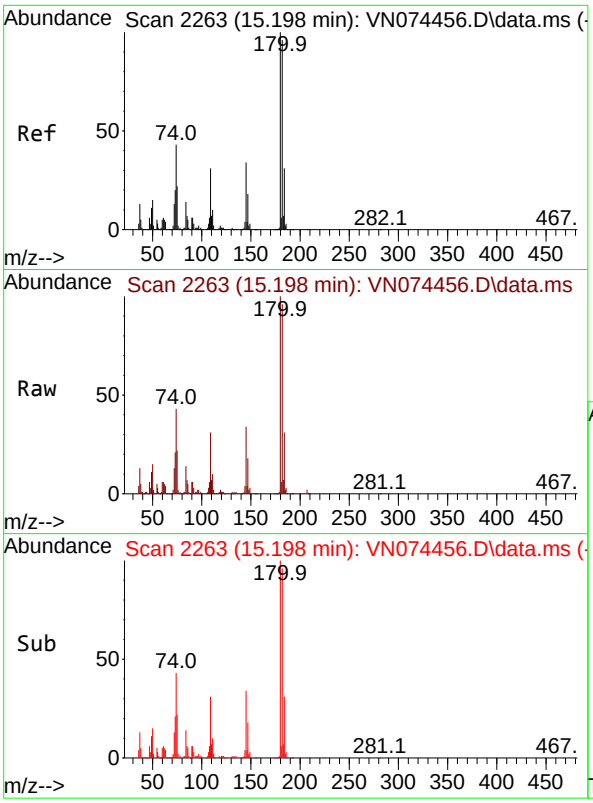


#92
1,2-Dibromo-3-Chloropropane
Concen: 52.164 ug/l
RT: 14.545 min Scan# 2152
Delta R.T. 0.000 min
Lab File: VN074456.D
Acq: 15 Sep 2022 11:48

Tgt Ion: 75 Resp: 142091

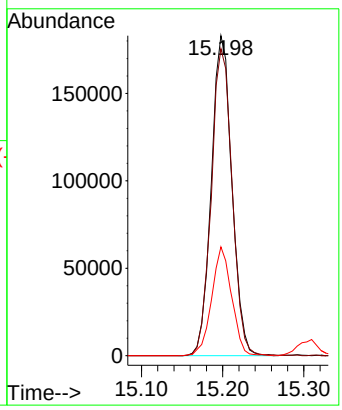
Ion	Ratio	Lower	Upper
75	100		
155	75.1	44.9	134.5
157	95.2	59.0	176.8



#93
1,2,4-Trichlorobenzene
Concen: 47.996 ug/l
RT: 15.198 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN074456.D
Acq: 15 Sep 2022 11:48

Tgt Ion:180 Resp: 32216

Ion	Ratio	Lower	Upper
180	100		
182	97.2	47.5	142.5
145	33.1	14.5	43.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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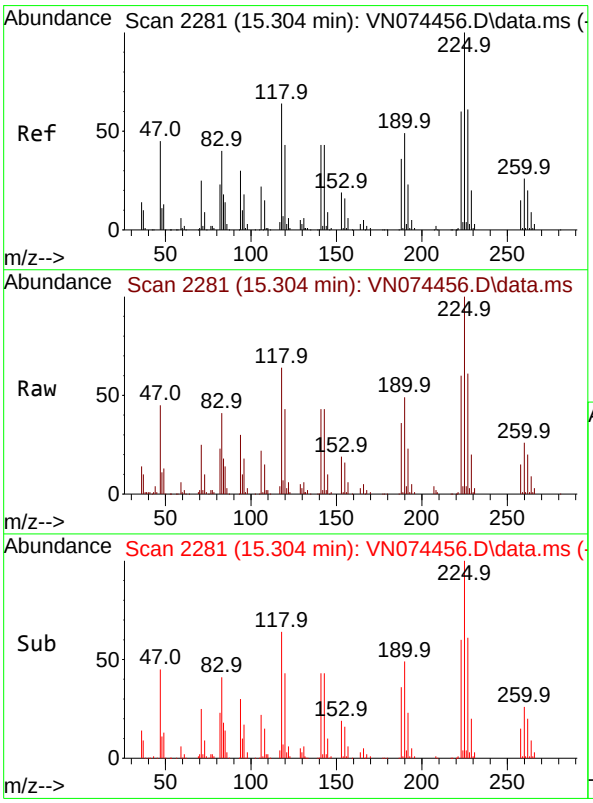
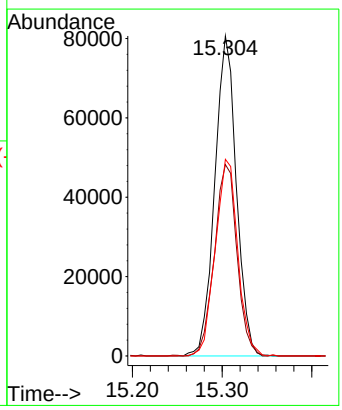
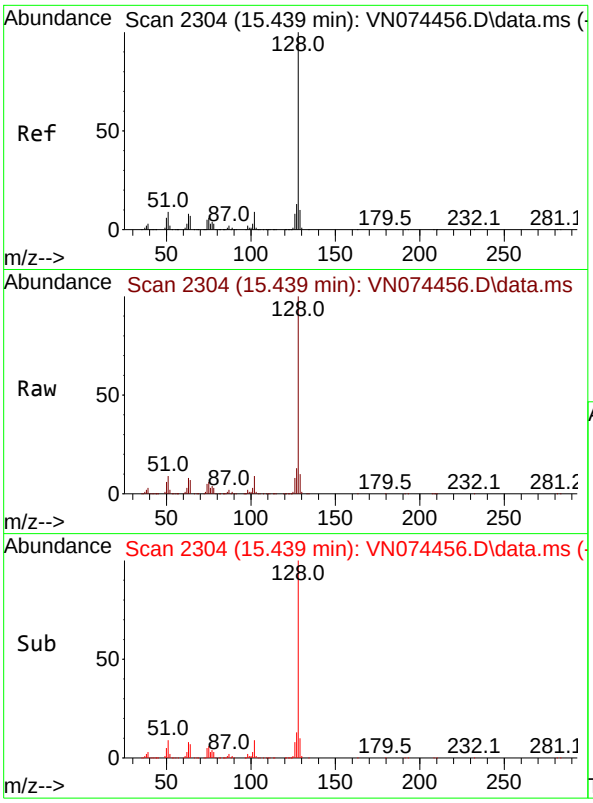


#94
Hexachlorobutadiene
Concen: 46.321 ug/l
RT: 15.304 min Scan# 2281
Delta R.T. 0.000 min
Lab File: VN074456.D
Acq: 15 Sep 2022 11:48

Tgt Ion:225 Resp: 134680

Ion	Ratio	Lower	Upper
225	100		
223	62.6	32.4	97.2
227	64.1	31.8	95.4

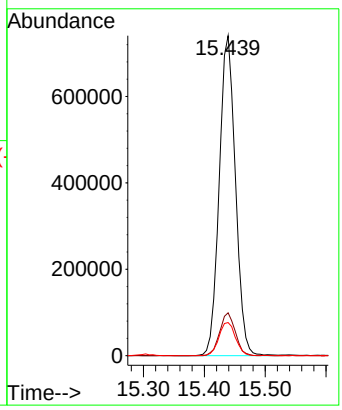




#95
Naphthalene
Concen: 49.604 ug/l
RT: 15.439 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN074456.D
Acq: 15 Sep 2022 11:48

Tgt Ion:128 Resp: 136902

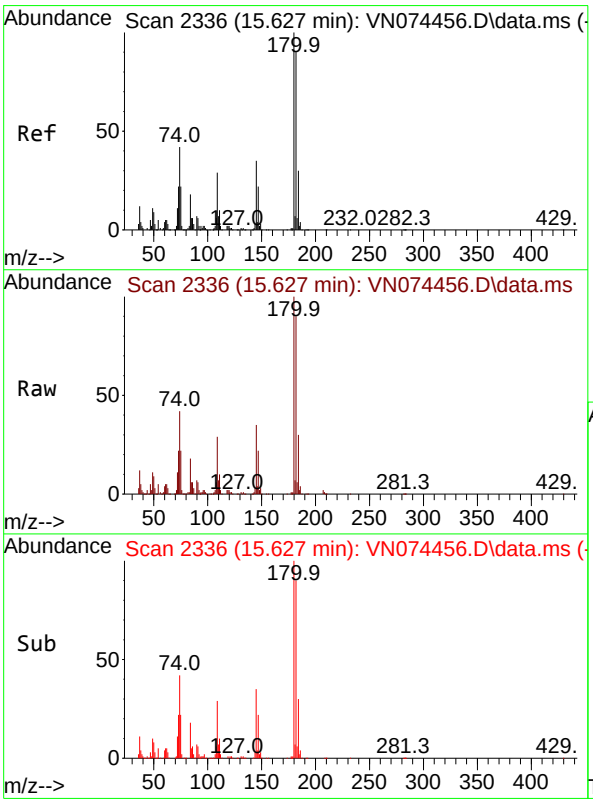
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.3	15.5
129	10.7	8.6	13.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

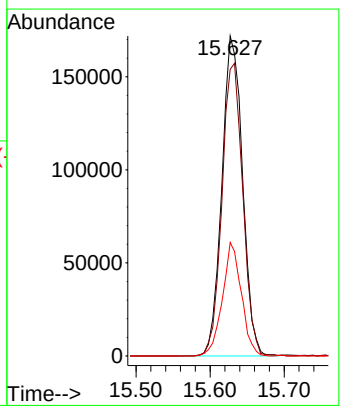
Reviewed By :John Carlone 09/16/2022
Supervised By :Mahesh Dadoda 09/16/2022



#96
1,2,3-Trichlorobenzene
Concen: 46.320 ug/l
RT: 15.627 min Scan# 2336
Delta R.T. 0.000 min
Lab File: VN074456.D
Acq: 15 Sep 2022 11:48

Tgt Ion:180 Resp: 333159

Ion	Ratio	Lower	Upper
180	100		
182	92.0	47.8	143.3
145	32.5	15.5	46.5



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091522\
Data File : VN074457.D
Acq On : 15 Sep 2022 12:12
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 15 19:07:44 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 15 19:05:53 2022
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 09/16/2022
Supervised By :Mahesh Dadoda 09/16/2022

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.016	168	411173	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.904	114	781661	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	726394	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	343468	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	734884	127.510	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 255.020%#			
35) Dibromofluoromethane	7.945	113	553505	113.576	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 227.160%#			
50) Toluene-d8	10.381	98	2135371	117.848	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 235.700%#			
62) 4-Bromofluorobenzene	12.675	95	804578	123.272	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 246.540%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.040	85	427916	110.695	ug/l	98
3) Chloromethane	2.263	50	769434	158.143	ug/l	98
4) Vinyl Chloride	2.405	62	791098	194.633	ug/l	98
5) Bromomethane	2.775	94	360027	193.073	ug/l	98
6) Chloroethane	2.934	64	524965	200.512	ug/l	99
7) Trichlorofluoromethane	3.299	101	892077	145.510	ug/l	97
8) Diethyl Ether	3.757	74	434817	139.685	ug/l	82
9) 1,1,2-Trichlorotrifluo...	4.134	101	556726	135.704	ug/l	91
10) Methyl Iodide	4.340	142	729593	150.559	ug/l	95
11) Tert butyl alcohol	5.287	59	1089437	712.696	ug/l	99
12) 1,1-Dichloroethene	4.104	96	559313	137.022	ug/l	91
13) Acrolein	3.975	56	457021	747.745	ug/l	96
14) Allyl chloride	4.751	41	1315738	147.197	ug/l	95
15) Acrylonitrile	5.469	53	2724820	772.065	ug/l	99
16) Acetone	4.216	43	2218277	692.796	ug/l	95
17) Carbon Disulfide	4.446	76	1510494	142.571	ug/l	100
18) Methyl Acetate	4.763	43	1358317	153.456	ug/l	92
19) Methyl tert-butyl Ether	5.528	73	2385237	152.281	ug/l	98
20) Methylene Chloride	5.004	84	696748	129.286	ug/l #	84
21) trans-1,2-Dichloroethene	5.504	96	609643	136.009	ug/l	94
22) Diisopropyl ether	6.404	45	2691960	158.893	ug/l	95
23) Vinyl Acetate	6.346	43	12342784	792.986	ug/l #	93
24) 1,1-Dichloroethane	6.298	63	1330597	152.011	ug/l	99
25) 2-Butanone	7.257	43	3884912	751.757	ug/l	91
26) 2,2-Dichloropropane	7.245	77	1125048	144.046	ug/l	98
27) cis-1,2-Dichloroethene	7.245	96	763250	141.433	ug/l	92
28) Bromochloromethane	7.581	49	391173	115.699	ug/l #	73
29) Tetrahydrofuran	7.604	42	2574341	751.481	ug/l	87
30) Chloroform	7.745	83	1274589	145.718	ug/l	97
31) Cyclohexane	8.022	56	1213250	147.006	ug/l	87
32) 1,1,1-Trichloroethane	7.940	97	1085614	142.759	ug/l	97
36) 1,1-Dichloropropene	8.145	75	934812	137.212	ug/l	97
37) Ethyl Acetate	7.334	43	1537699	140.161	ug/l #	94
38) Carbon Tetrachloride	8.134	117	894406	127.350	ug/l	98
39) Methylcyclohexane	9.392	83	1180042	142.843	ug/l	94
40) Benzene	8.387	78	2991814	139.284	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091522\
Data File : VN074457.D
Acq On : 15 Sep 2022 12:12
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 15 19:07:44 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 15 19:05:53 2022
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 09/16/2022
Supervised By :Mahesh Dadoda 09/16/2022

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.563	41	724929	139.709	ug/l		88
42) 1,2-Dichloroethane	8.463	62	1024322	135.308	ug/l		98
43) Isopropyl Acetate	8.492	43	2367809	149.807	ug/l	#	92
44) Trichloroethene	9.151	130	643455	122.612	ug/l		93
45) 1,2-Dichloropropane	9.422	63	809671	145.573	ug/l		95
46) Dibromomethane	9.510	93	511734	138.653	ug/l	#	84
47) Bromodichloromethane	9.698	83	1045272	142.501	ug/l		99
48) Methyl methacrylate	9.498	41	1076920	150.579	ug/l		88
49) 1,4-Dioxane	9.504	88	410000	2613.796	ug/l	#	93
51) 4-Methyl-2-Pentanone	10.269	43	8014142	771.211	ug/l		91
52) Toluene	10.445	92	1845045	140.499	ug/l		98
53) t-1,3-Dichloropropene	10.657	75	1242218	155.335	ug/l		98
54) cis-1,3-Dichloropropene	10.128	75	1298525	148.901	ug/l	#	89
55) 1,1,2-Trichloroethane	10.839	97	749402	131.014	ug/l		95
56) Ethyl methacrylate	10.704	69	1419810	152.539	ug/l	#	85
57) 1,3-Dichloropropane	10.986	76	1345505	140.447	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.981	63	3107962	757.324	ug/l		90
59) 2-Hexanone	11.028	43	6234008	777.548	ug/l		91
60) Dibromochloromethane	11.180	129	753731	140.755	ug/l		99
61) 1,2-Dibromoethane	11.286	107	760101	135.391	ug/l		100
64) Tetrachloroethene	10.916	164	490551	110.697	ug/l		92
65) Chlorobenzene	11.710	112	1880863	129.154	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.780	131	684683	124.557	ug/l		99
67) Ethyl Benzene	11.786	91	3629681	140.081	ug/l		99
68) m/p-Xylenes	11.892	106	2726895	269.573	ug/l		95
69) o-Xylene	12.222	106	1354722	133.664	ug/l		96
70) Styrene	12.233	104	2323092	142.279	ug/l		98
71) Bromoform	12.398	173	540390	131.113	ug/l		100
73) Isopropylbenzene	12.522	105	3516347	128.239	ug/l		99
74) N-amyl acetate	12.333	43	2145093	146.504	ug/l	#	89
75) 1,1,2,2-Tetrachloroethane	12.769	83	1315197	131.325	ug/l		99
76) 1,2,3-Trichloropropane	12.822	75	1013127m	117.539	ug/l		
77) Bromobenzene	12.804	156	736138	115.034	ug/l		74
78) n-propylbenzene	12.863	91	4356190	142.182	ug/l		95
79) 2-Chlorotoluene	12.951	91	2493519	127.529	ug/l		95
80) 1,3,5-Trimethylbenzene	13.004	105	2918144	129.720	ug/l		97
81) trans-1,4-Dichloro-2-b...	12.569	75	508291	152.711	ug/l		96
82) 4-Chlorotoluene	13.045	91	2473187	133.826	ug/l		97
83) tert-Butylbenzene	13.263	119	2582376	125.921	ug/l		96
84) 1,2,4-Trimethylbenzene	13.310	105	2938303	130.990	ug/l		97
85) sec-Butylbenzene	13.445	105	3772844	136.284	ug/l		97
86) p-Isopropyltoluene	13.557	119	3017252	135.586	ug/l		97
87) 1,3-Dichlorobenzene	13.557	146	1407181	121.488	ug/l		98
88) 1,4-Dichlorobenzene	13.639	146	1406205	120.696	ug/l		97
89) n-Butylbenzene	13.886	91	2869445	154.913	ug/l		96
90) Hexachloroethane	14.151	117	597859	139.779	ug/l		77
91) 1,2-Dichlorobenzene	13.927	146	1421873	118.421	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.545	75	301898	114.658	ug/l		84
93) 1,2,4-Trichlorobenzene	15.198	180	745625	114.917	ug/l		97
94) Hexachlorobutadiene	15.304	225	302110	107.492	ug/l		99
95) Naphthalene	15.439	128	3060993	114.737	ug/l		100
96) 1,2,3-Trichlorobenzene	15.633	180	732286	105.326	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091522\
Data File : VN074457.D
Acq On : 15 Sep 2022 12:12
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 15 19:07:44 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 15 19:05:53 2022
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 09/16/2022
Supervised By :Mahesh Dadoda 09/16/2022

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

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

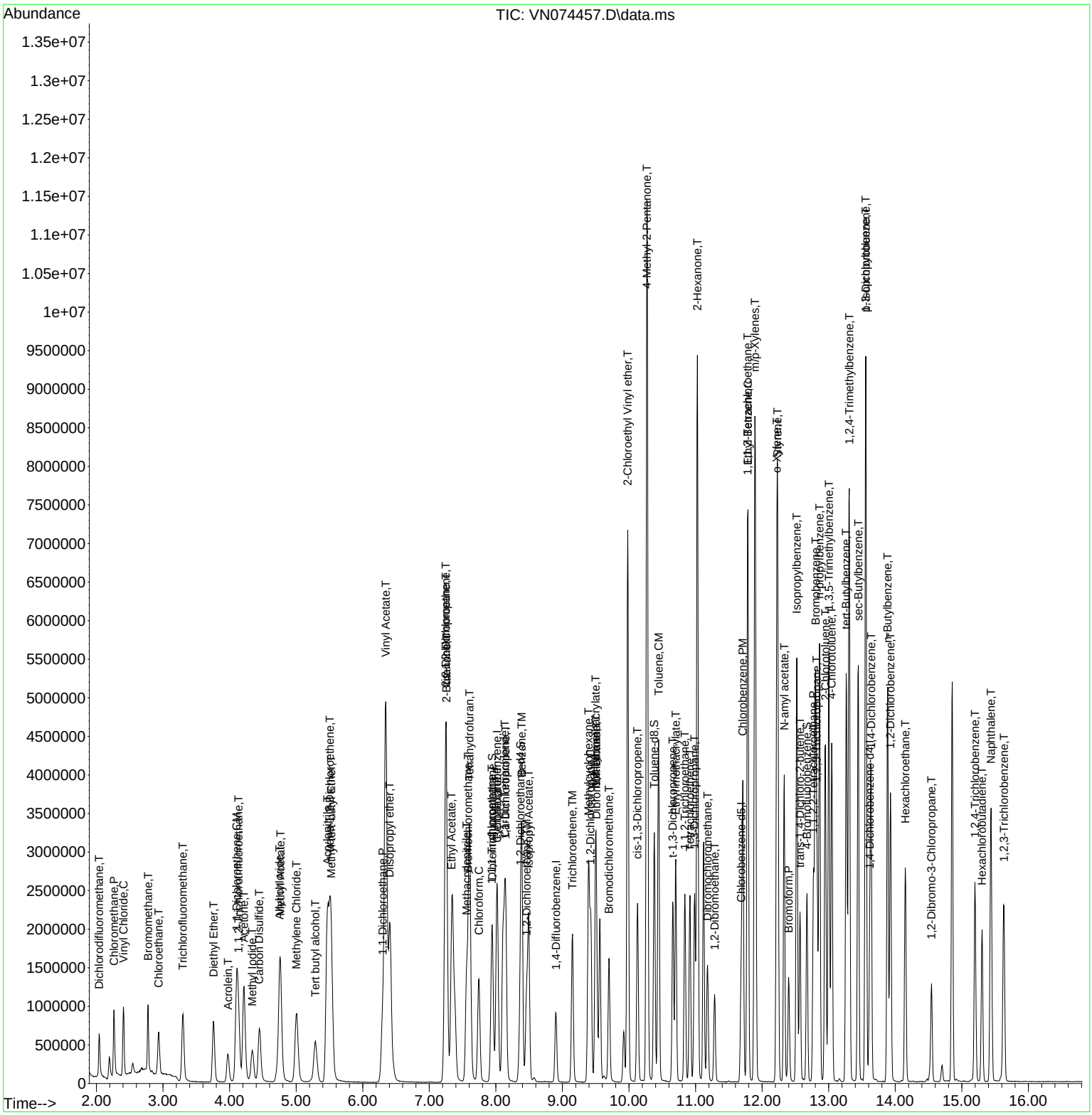
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091522\
Data File : VN074457.D
Acq On : 15 Sep 2022 12:12
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

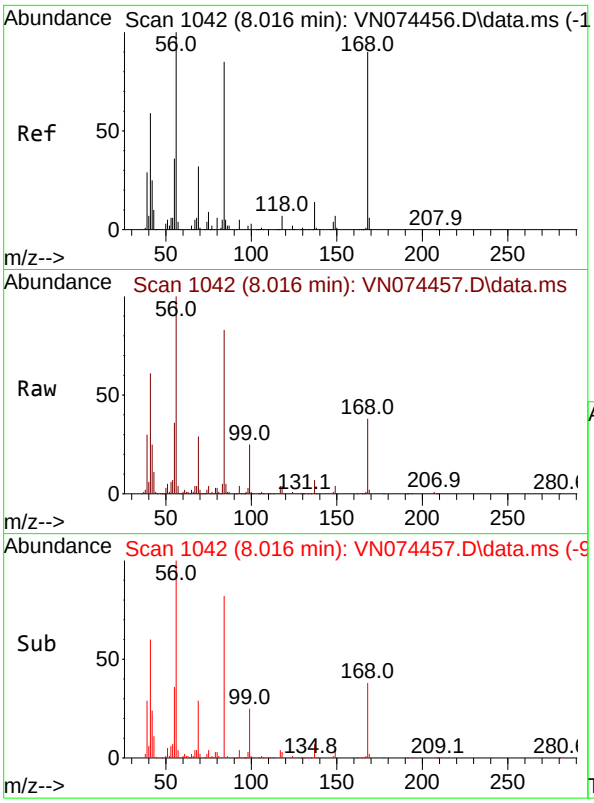
Quant Time: Sep 15 19:07:44 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 15 19:05:53 2022
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 09/16/2022
Supervised By :Mahesh Dadoda 09/16/2022

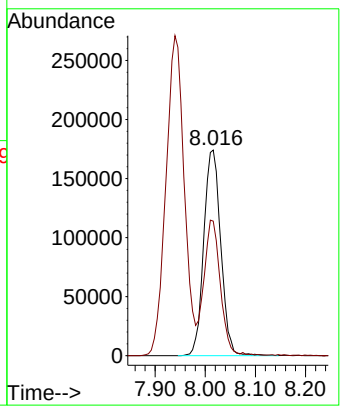




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074457.D
Acq: 15 Sep 2022 12:12

Tgt Ion:168 Resp: 41117

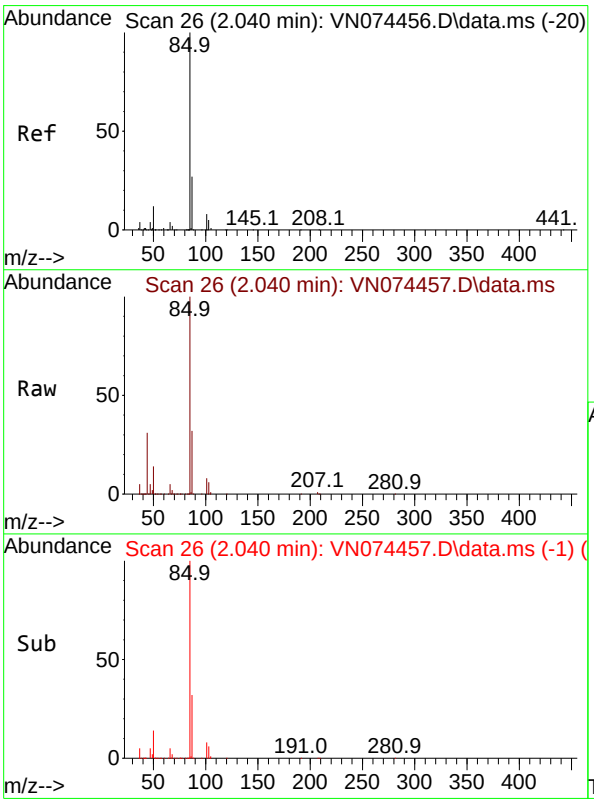
Ion	Ratio	Lower	Upper
168	100		
99	64.8	42.3	63.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

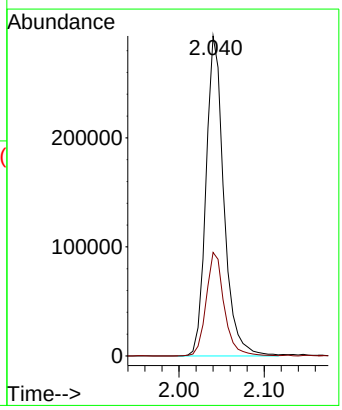
Reviewed By :John Carlone 09/16/2022
Supervised By :Mahesh Dadoda 09/16/2022

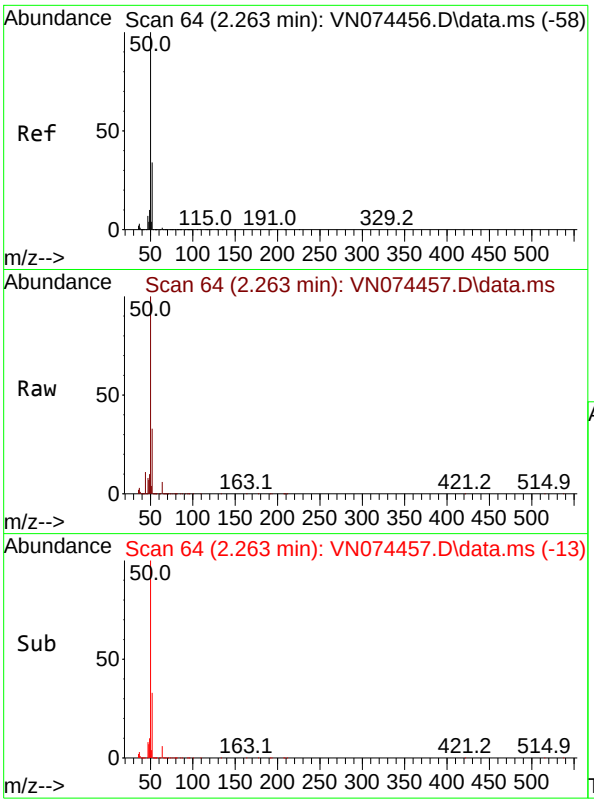


#2
Dichlorodifluoromethane
Concen: 110.695 ug/l
RT: 2.040 min Scan# 26
Delta R.T. 0.000 min
Lab File: VN074457.D
Acq: 15 Sep 2022 12:12

Tgt Ion: 85 Resp: 427916

Ion	Ratio	Lower	Upper
85	100		
87	32.3	15.7	47.1

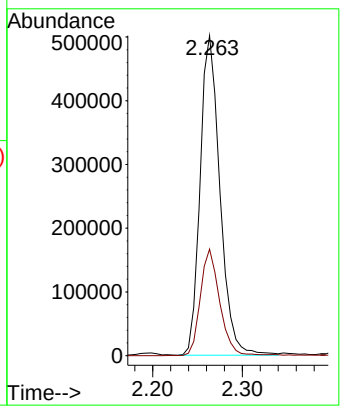




#3
Chloromethane
Concen: 158.143 ug/l
RT: 2.263 min Scan# 64
Delta R.T. 0.000 min
Lab File: VN074457.D
Acq: 15 Sep 2022 12:12

Tgt Ion: 50 Resp: 76943

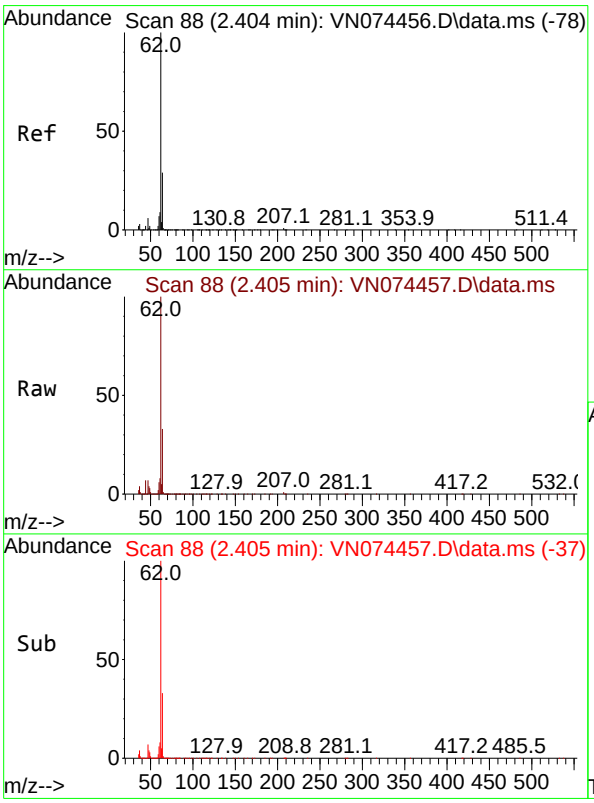
Ion	Ratio	Lower	Upper
50	100		
52	33.3	25.7	38.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

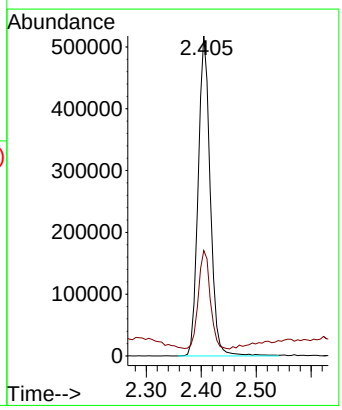
Reviewed By :John Carlone 09/16/2022
Supervised By :Mahesh Dadoda 09/16/2022

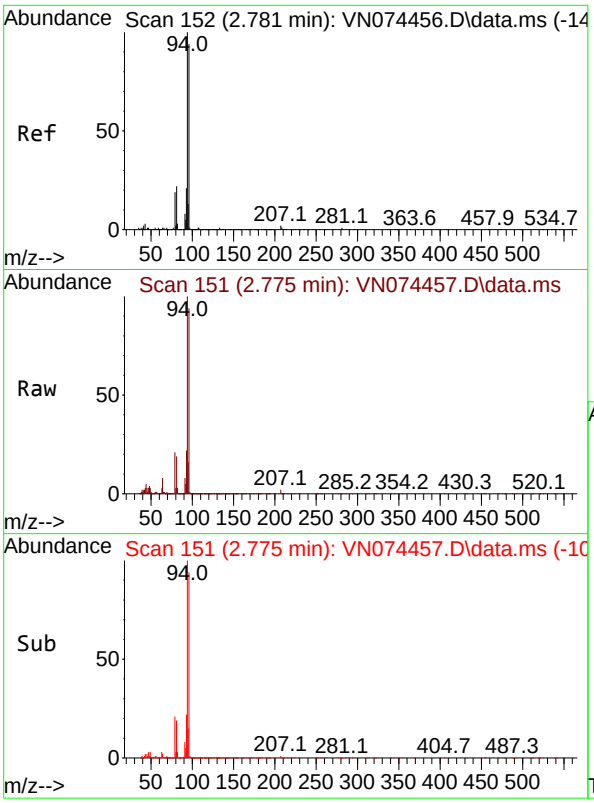


#4
Vinyl Chloride
Concen: 194.633 ug/l
RT: 2.405 min Scan# 88
Delta R.T. 0.000 min
Lab File: VN074457.D
Acq: 15 Sep 2022 12:12

Tgt Ion: 62 Resp: 791098

Ion	Ratio	Lower	Upper
62	100		
64	30.2	25.0	37.4

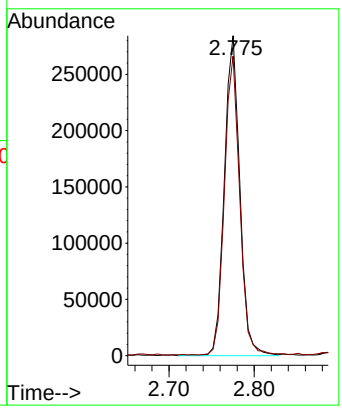




#5
Bromomethane
Concen: 193.073 ug/l
RT: 2.775 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN074457.D
Acq: 15 Sep 2022 12:12

Tgt Ion: 94 Resp: 36002

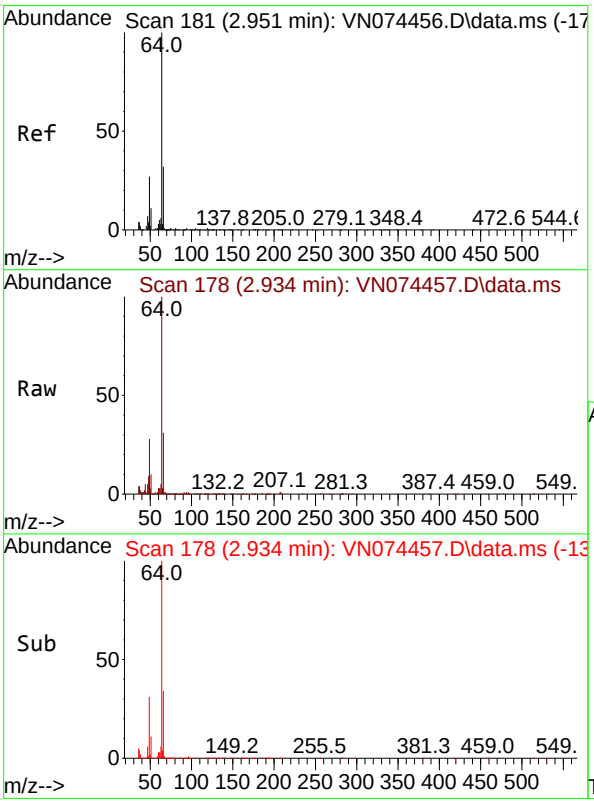
Ion	Ratio	Lower	Upper
94	100		
96	93.3	76.0	114.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

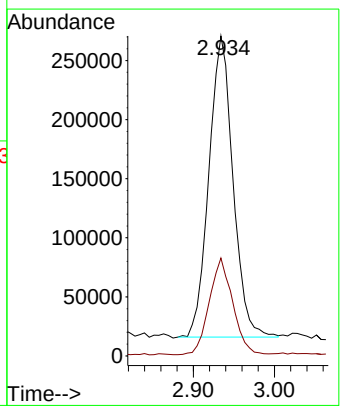
Reviewed By :John Carlone 09/16/2022
Supervised By :Mahesh Dadoda 09/16/2022

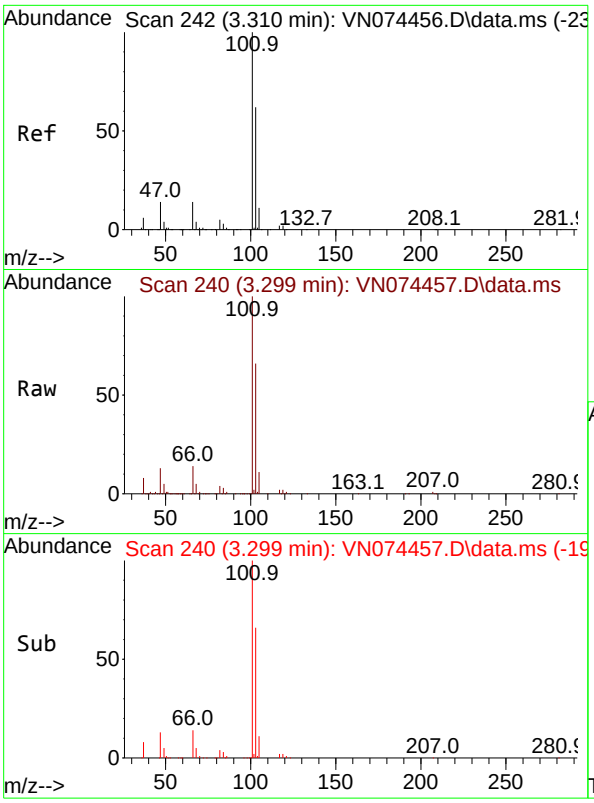


#6
Chloroethane
Concen: 200.512 ug/l
RT: 2.934 min Scan# 178
Delta R.T. -0.018 min
Lab File: VN074457.D
Acq: 15 Sep 2022 12:12

Tgt Ion: 64 Resp: 524965

Ion	Ratio	Lower	Upper
64	100		
66	32.1	26.2	39.4

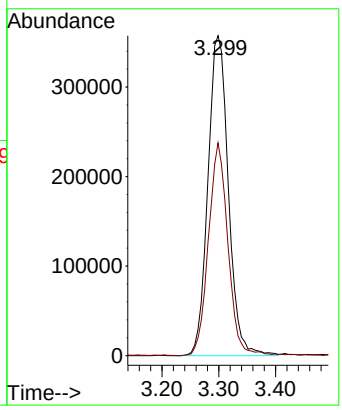




#7
Trichlorofluoromethane
Concen: 145.510 ug/l
RT: 3.299 min Scan# 24
Delta R.T. -0.012 min
Lab File: VN074457.D
Acq: 15 Sep 2022 12:12

Tgt Ion:101 Resp: 89207

Ion	Ratio	Lower	Upper
101	100		
103	66.5	51.5	77.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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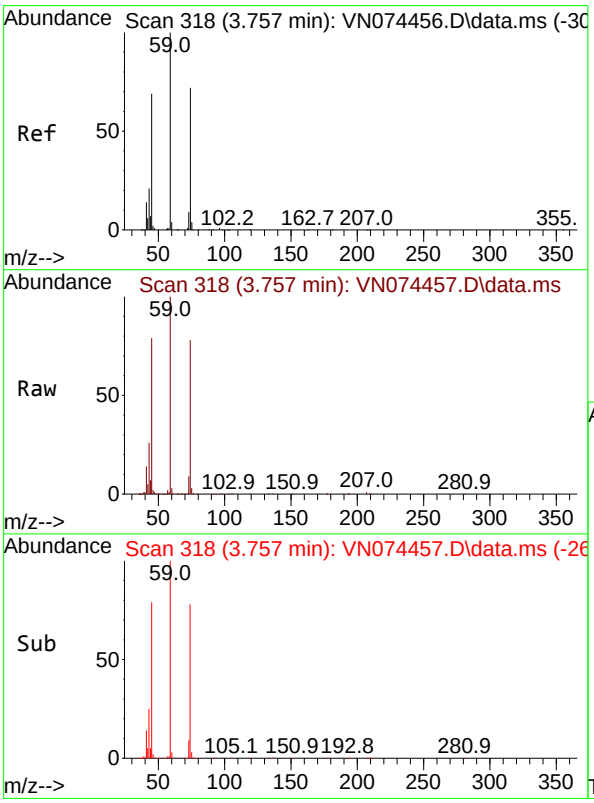
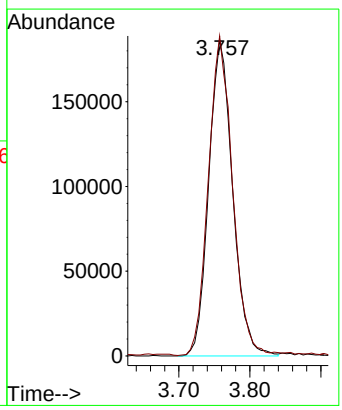
Reviewed By :John Carlone 09/16/2022
Supervised By :Mahesh Dadoda 09/16/2022

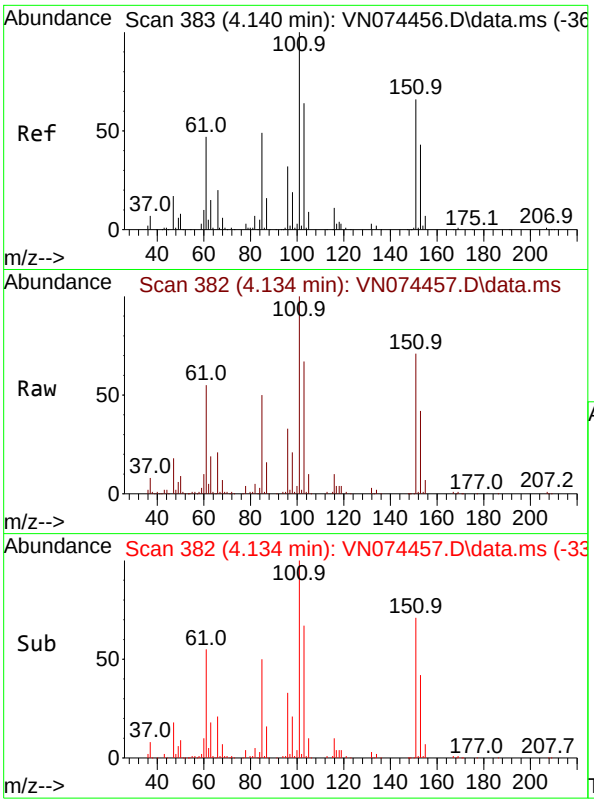


#8
Diethyl Ether
Concen: 139.685 ug/l
RT: 3.757 min Scan# 318
Delta R.T. 0.000 min
Lab File: VN074457.D
Acq: 15 Sep 2022 12:12

Tgt Ion: 74 Resp: 434817

Ion	Ratio	Lower	Upper
74	100		
45	102.0	42.9	128.5

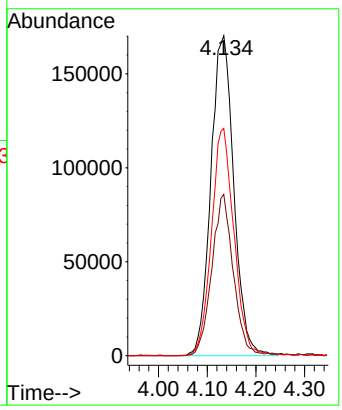




#9
1,1,2-Trichlorotrifluoroethane
Concen: 135.704 ug/l
RT: 4.134 min Scan# 3
Delta R.T. -0.006 min
Lab File: VN074457.D
Acq: 15 Sep 2022 12:12

Tgt Ion:101 Resp: 55672

Ion	Ratio	Lower	Upper
101	100		
85	47.4	34.7	52.1
151	69.9	63.0	94.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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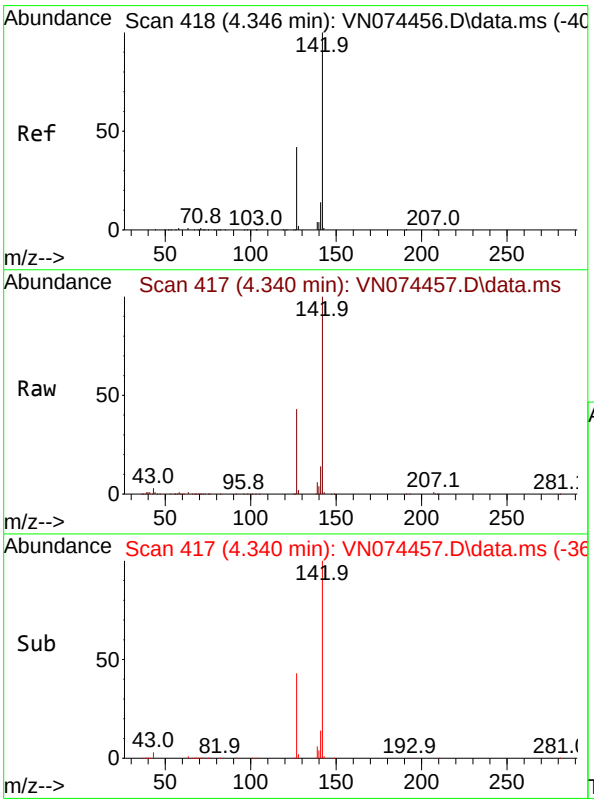
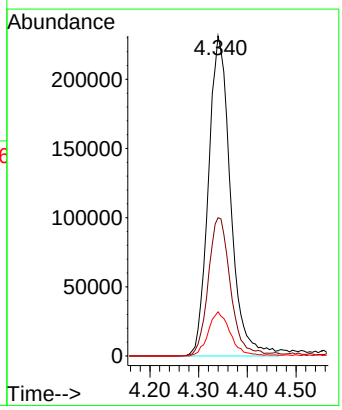
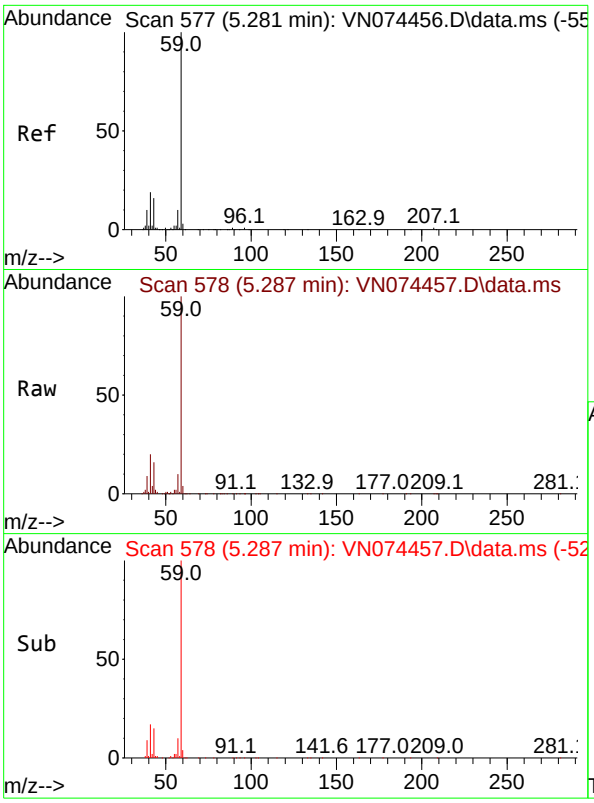


#10
Methyl Iodide
Concen: 150.559 ug/l
RT: 4.340 min Scan# 417
Delta R.T. -0.006 min
Lab File: VN074457.D
Acq: 15 Sep 2022 12:12

Tgt Ion:142 Resp: 729593

Ion	Ratio	Lower	Upper
142	100		
127	43.5	31.3	46.9
141	13.9	11.2	16.8

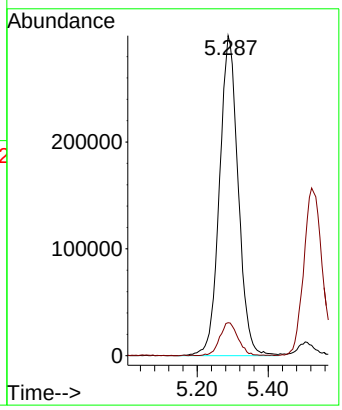




#11
Tert butyl alcohol
Concen: 712.696 ug/l
RT: 5.287 min Scan# 5
Delta R.T. 0.006 min
Lab File: VN074457.D
Acq: 15 Sep 2022 12:12

Tgt Ion: 59 Resp: 108943

Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.3	12.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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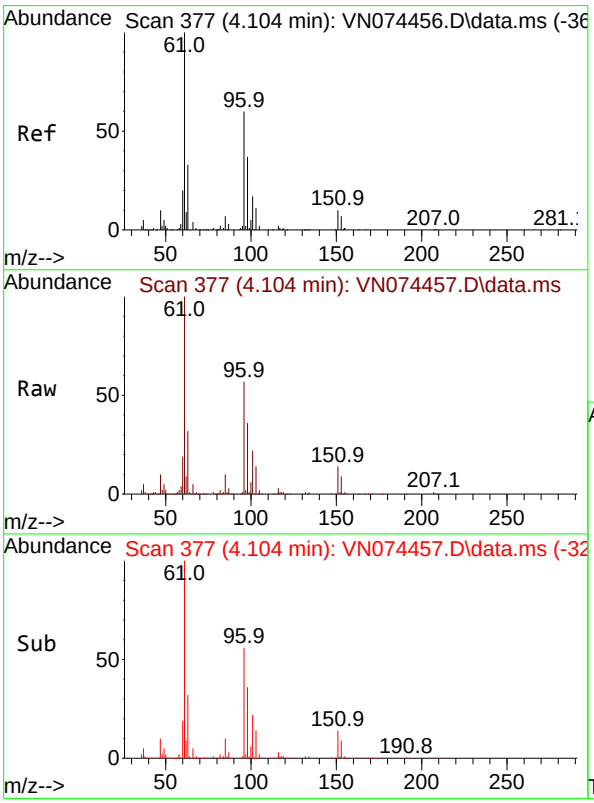
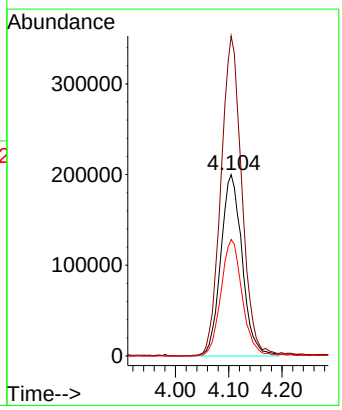
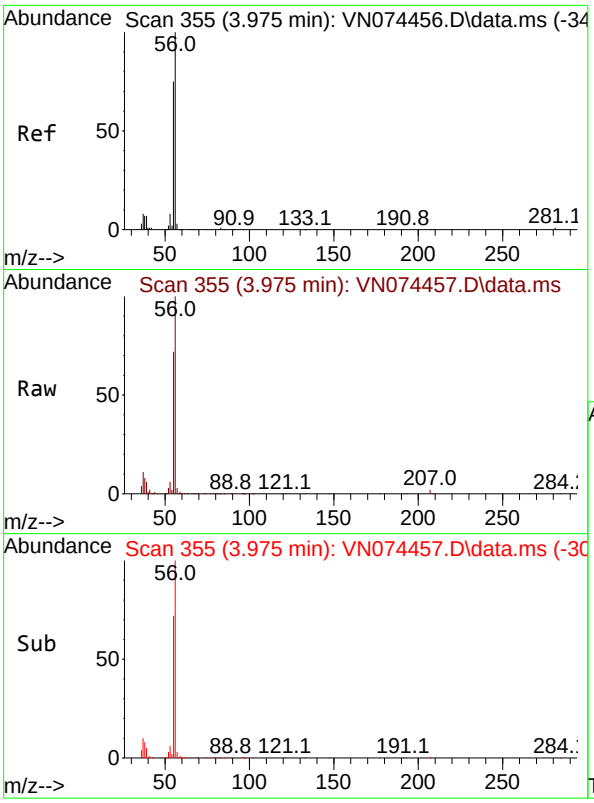


#12
1,1-Dichloroethene
Concen: 137.022 ug/l
RT: 4.104 min Scan# 377
Delta R.T. 0.000 min
Lab File: VN074457.D
Acq: 15 Sep 2022 12:12

Tgt Ion: 96 Resp: 559313

Ion	Ratio	Lower	Upper
96	100		
61	176.6	127.6	191.4
98	64.3	51.2	76.8

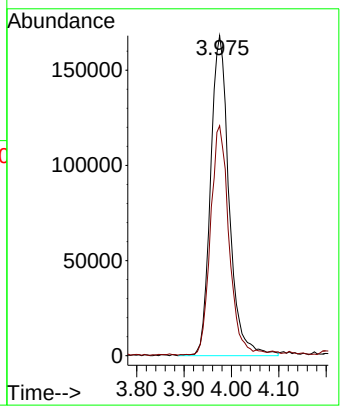




#13
Acrolein
Concen: 747.745 ug/l
RT: 3.975 min Scan# 3
Delta R.T. 0.000 min
Lab File: VN074457.D
Acq: 15 Sep 2022 12:12

Tgt Ion: 56 Resp: 45702

Ion	Ratio	Lower	Upper
56	100		
55	71.5	54.8	82.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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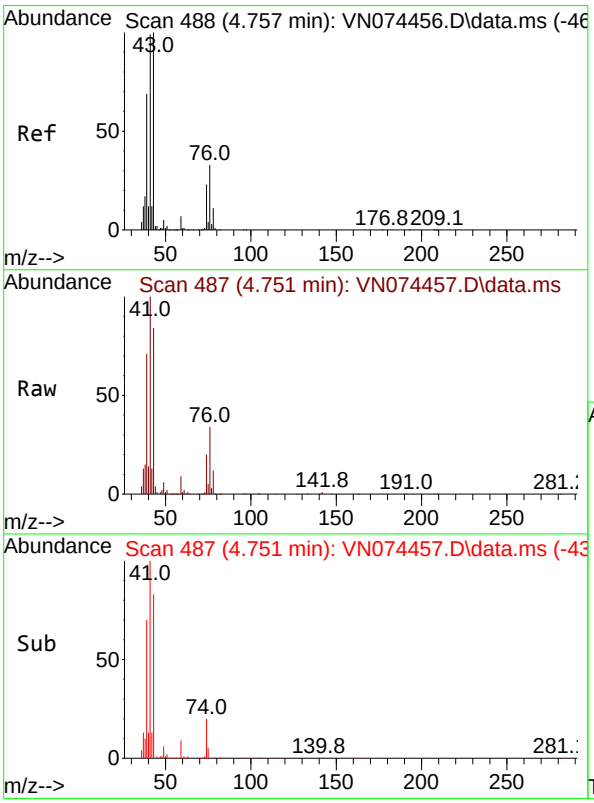
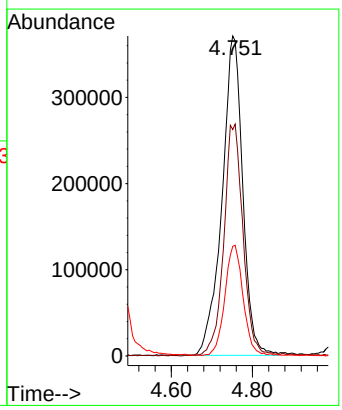
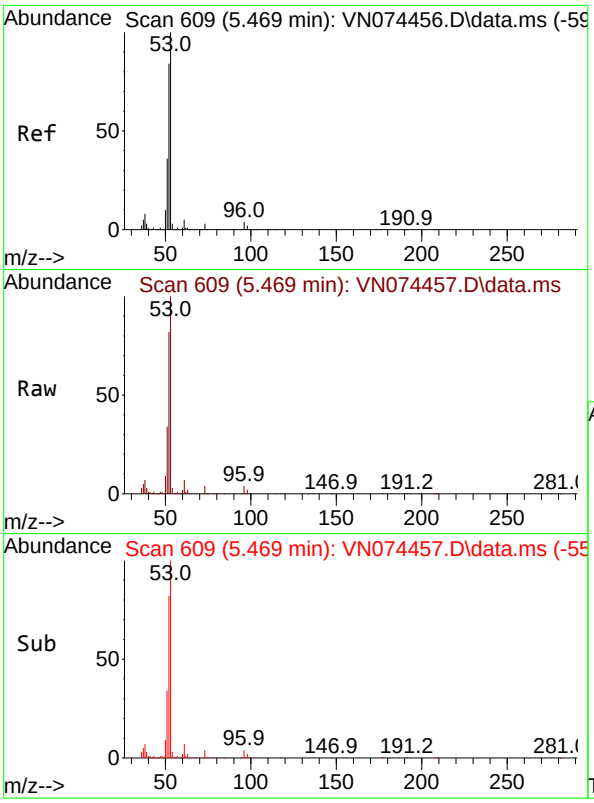


#14
Allyl chloride
Concen: 147.197 ug/l
RT: 4.751 min Scan# 487
Delta R.T. -0.006 min
Lab File: VN074457.D
Acq: 15 Sep 2022 12:12

Tgt Ion: 41 Resp: 1315738

Ion	Ratio	Lower	Upper
41	100		
39	67.6	53.2	79.8
76	30.4	29.9	44.9

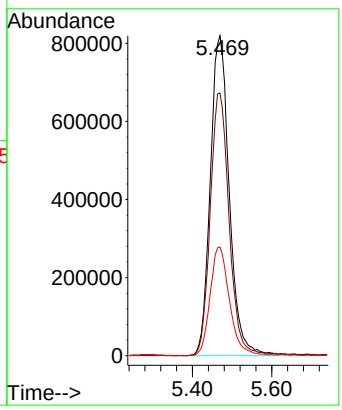




#15
Acrylonitrile
Concen: 772.065 ug/l
RT: 5.469 min Scan# 6(
Delta R.T. 0.000 min
Lab File: VN074457.D
Acq: 15 Sep 2022 12:12

Tgt Ion: 53 Resp: 272482(

Ion	Ratio	Lower	Upper
53	100		
52	81.7	66.4	99.6
51	34.8	28.5	42.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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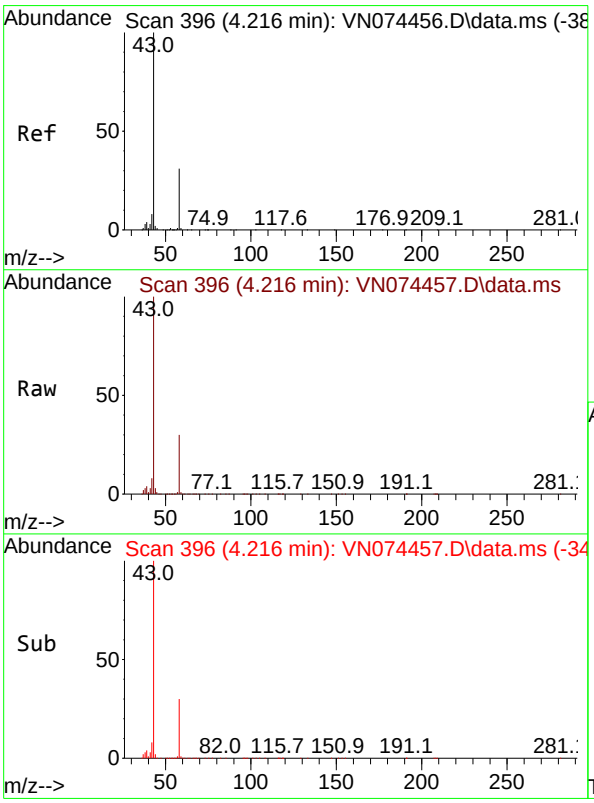
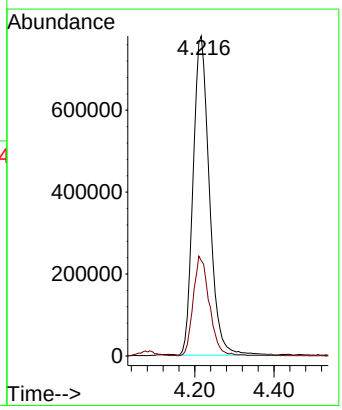
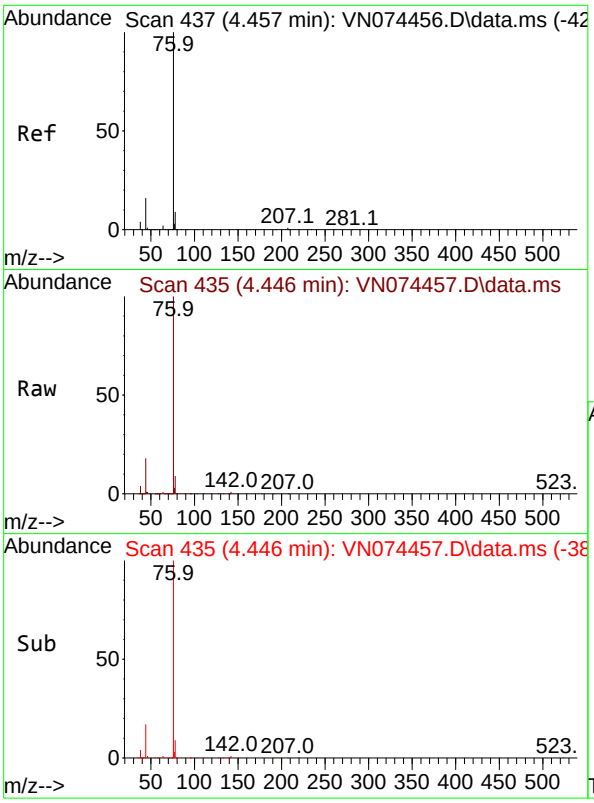


#16
Acetone
Concen: 692.796 ug/l
RT: 4.216 min Scan# 396
Delta R.T. 0.000 min
Lab File: VN074457.D
Acq: 15 Sep 2022 12:12

Tgt Ion: 43 Resp: 2218277

Ion	Ratio	Lower	Upper
43	100		
58	29.8	26.0	39.0

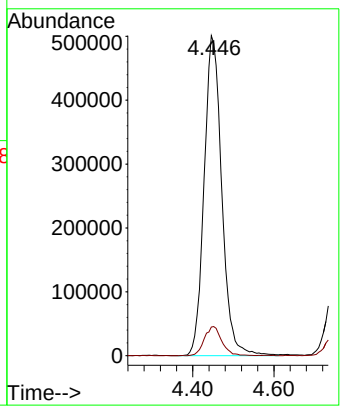




#17
Carbon Disulfide
Concen: 142.571 ug/l
RT: 4.446 min Scan# 4
Delta R.T. -0.012 min
Lab File: VN074457.D
Acq: 15 Sep 2022 12:12

Tgt Ion: 76 Resp: 151049

Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.2	10.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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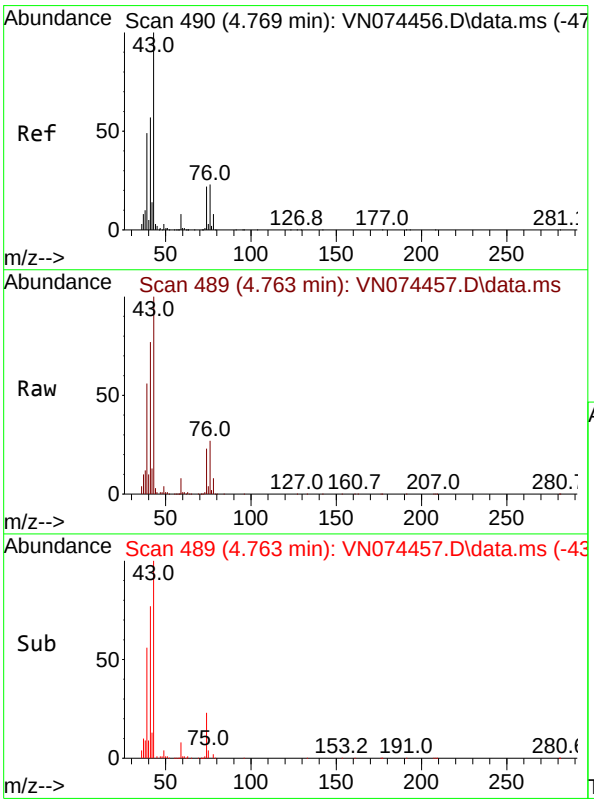
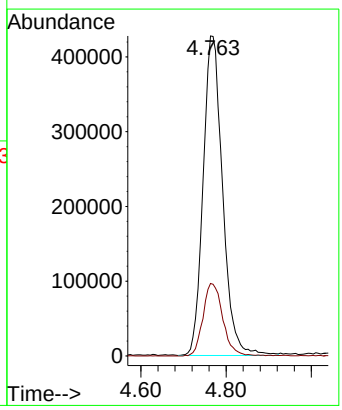
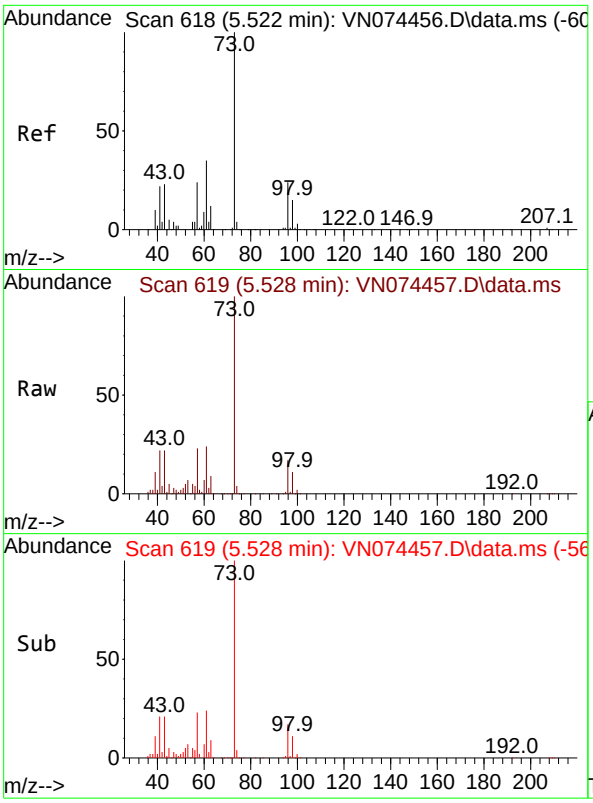


#18
Methyl Acetate
Concen: 153.456 ug/l
RT: 4.763 min Scan# 489
Delta R.T. -0.006 min
Lab File: VN074457.D
Acq: 15 Sep 2022 12:12

Tgt Ion: 43 Resp: 1358317

Ion	Ratio	Lower	Upper
43	100		
74	22.9	21.6	32.4

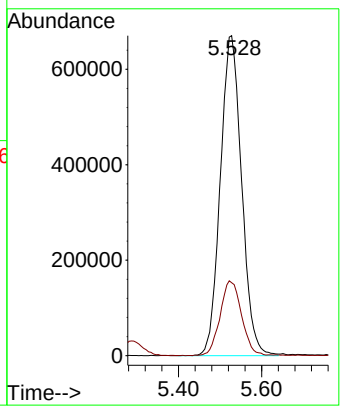




#19
Methyl tert-butyl Ether
Concen: 152.281 ug/l
RT: 5.528 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN074457.D
Acq: 15 Sep 2022 12:12

Tgt Ion: 73 Resp: 238523

Ion	Ratio	Lower	Upper
73	100		
57	22.7	17.6	26.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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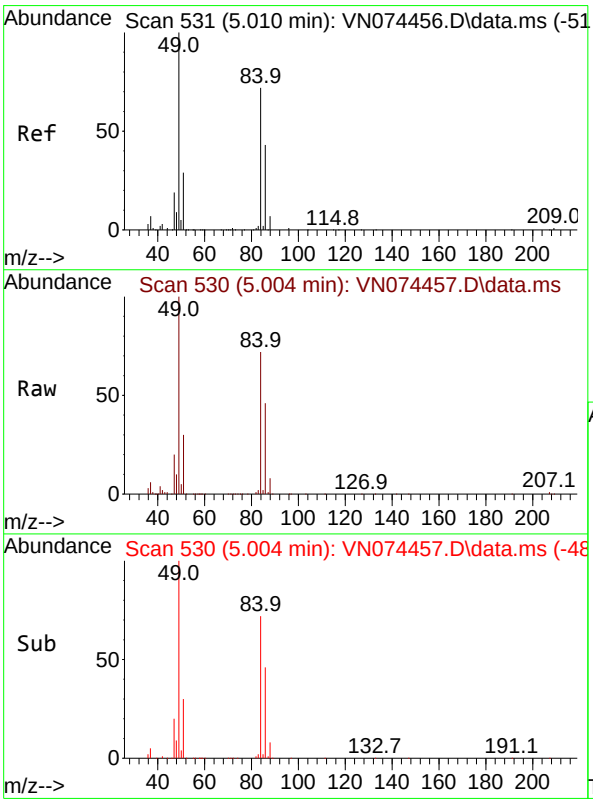
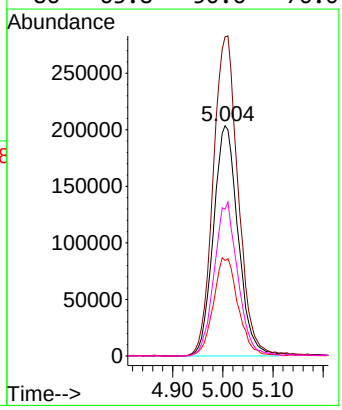
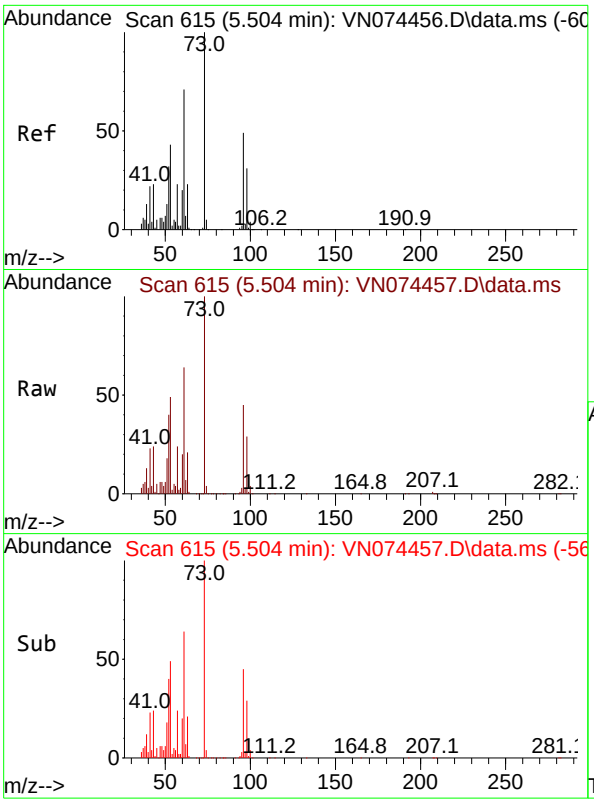


#20
Methylene Chloride
Concen: 129.286 ug/l
RT: 5.004 min Scan# 530
Delta R.T. -0.006 min
Lab File: VN074457.D
Acq: 15 Sep 2022 12:12

Tgt Ion: 84 Resp: 696748

Ion	Ratio	Lower	Upper
84	100		
49	138.7	88.3	132.5#
51	41.5	28.2	42.2
86	63.8	50.6	76.0

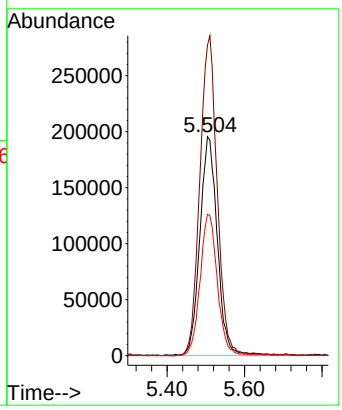




#21
trans-1,2-Dichloroethene
Concen: 136.009 ug/l
RT: 5.504 min Scan# 61
Delta R.T. 0.000 min
Lab File: VN074457.D
Acq: 15 Sep 2022 12:12

Tgt Ion: 96 Resp: 60964

Ion	Ratio	Lower	Upper
96	100		
61	141.7	105.8	158.8
98	64.5	50.3	75.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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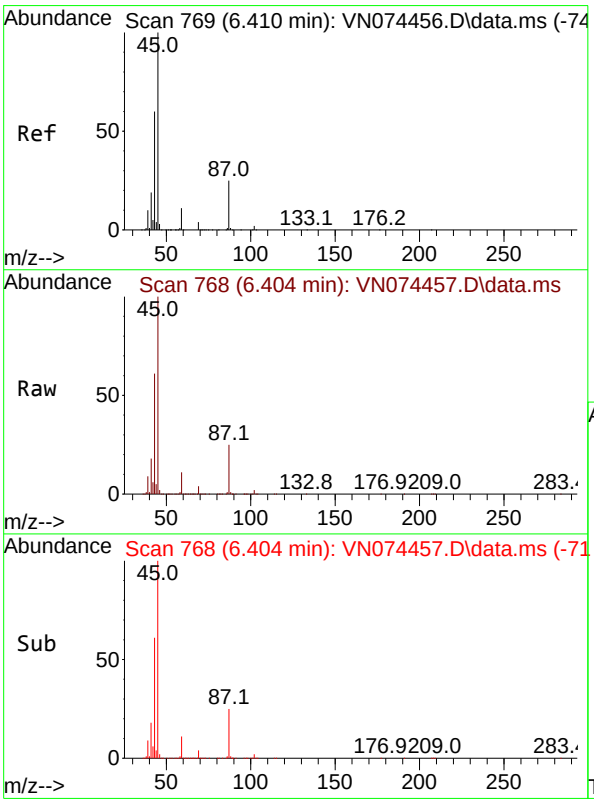
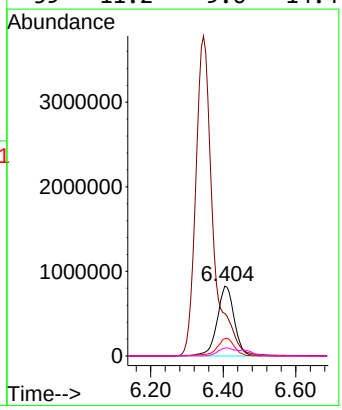
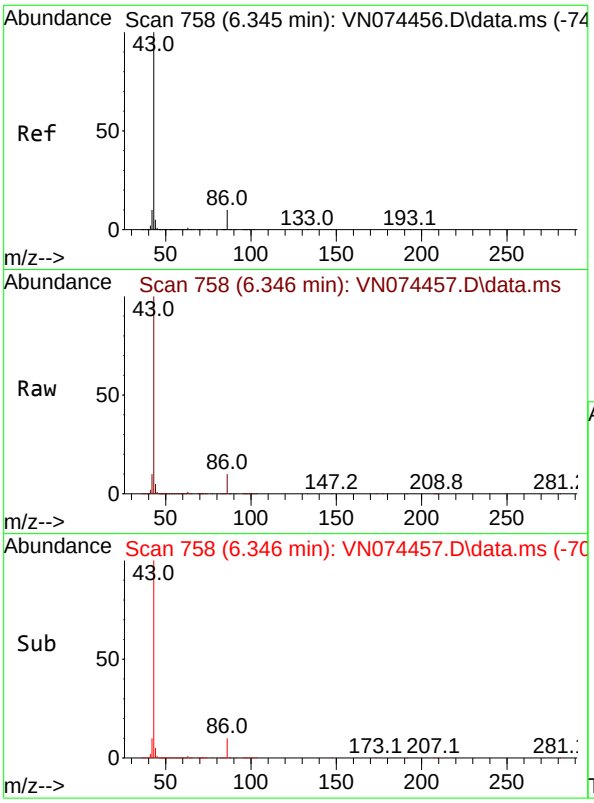


#22
Diisopropyl ether
Concen: 158.893 ug/l
RT: 6.404 min Scan# 768
Delta R.T. -0.006 min
Lab File: VN074457.D
Acq: 15 Sep 2022 12:12

Tgt Ion: 45 Resp: 2691960

Ion	Ratio	Lower	Upper
45	100		
43	60.6	46.6	70.0
87	24.6	24.3	36.5
59	11.2	9.6	14.4

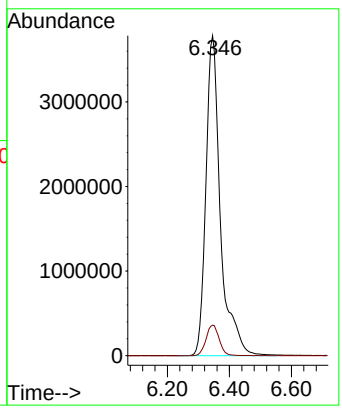




#23
Vinyl Acetate
Concen: 792.986 ug/l
RT: 6.346 min Scan# 7
Delta R.T. 0.000 min
Lab File: VN074457.D
Acq: 15 Sep 2022 12:12

Tgt Ion: 43 Resp:1234278

Ion	Ratio	Lower	Upper
43	100		
86	9.6	10.0	15.0#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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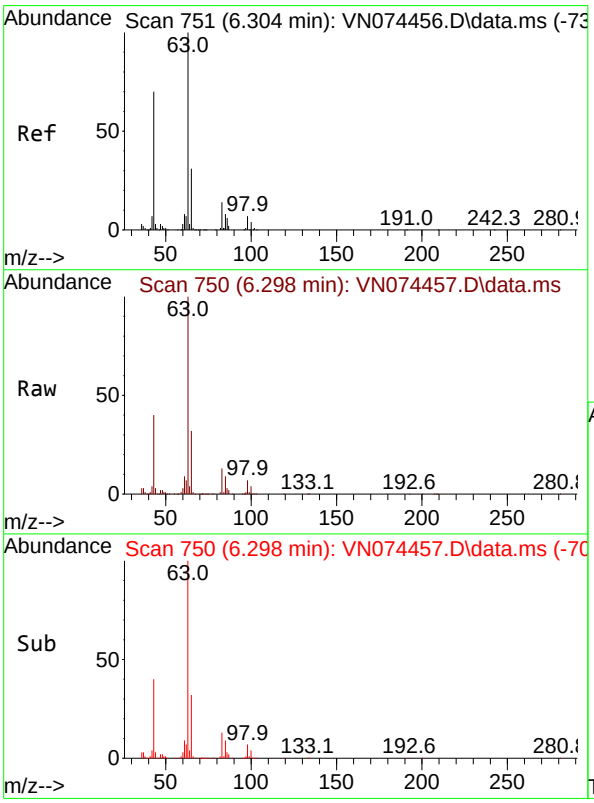
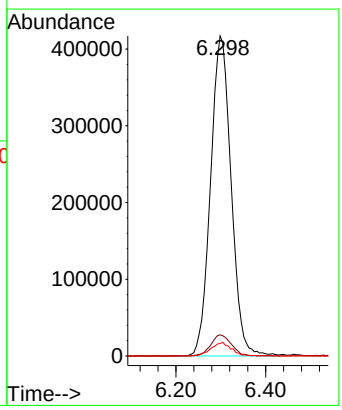
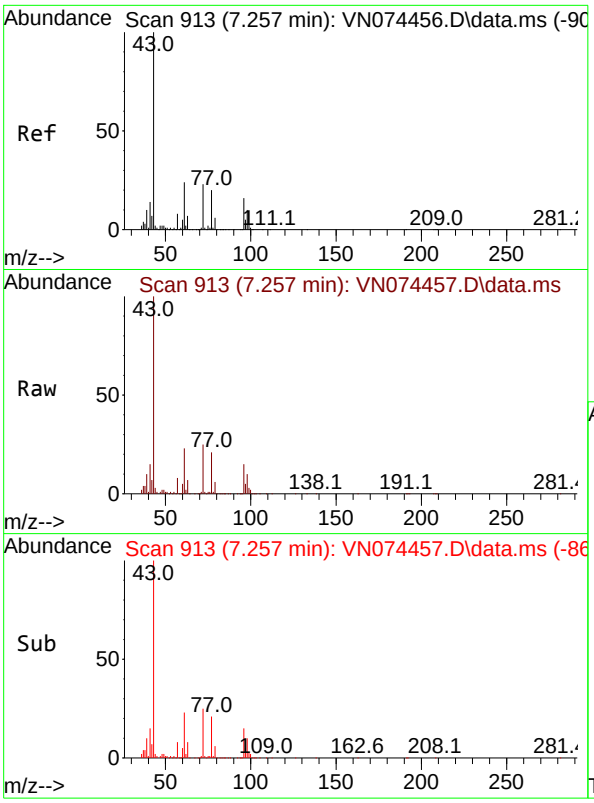


#24
1,1-Dichloroethane
Concen: 152.011 ug/l
RT: 6.298 min Scan# 750
Delta R.T. -0.006 min
Lab File: VN074457.D
Acq: 15 Sep 2022 12:12

Tgt Ion: 63 Resp: 1330597

Ion	Ratio	Lower	Upper
63	100		
98	6.6	3.5	10.4
100	3.9	2.3	6.8





#25
2-Butanone
Concen: 751.757 ug/l
RT: 7.257 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN074457.D
Acq: 15 Sep 2022 12:12

Tgt Ion: 43 Resp: 388491

Ion	Ratio	Lower	Upper
43	100		
72	24.7	23.7	35.5

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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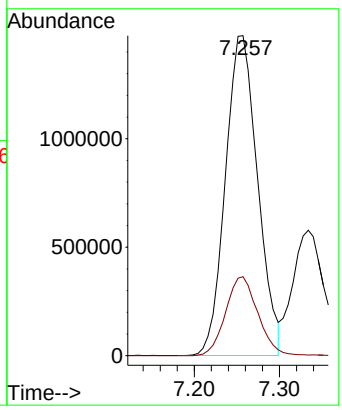
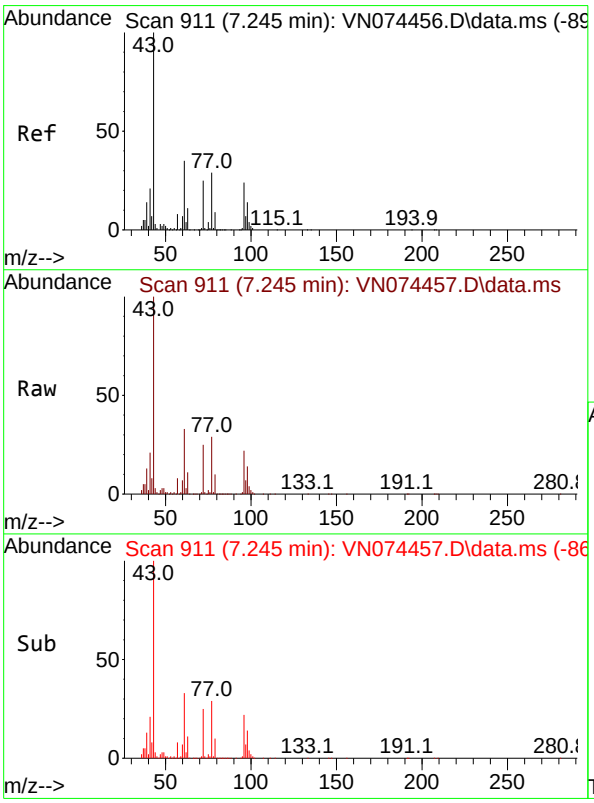
Supervised By :Mahesh Dadoda 09/16/2022

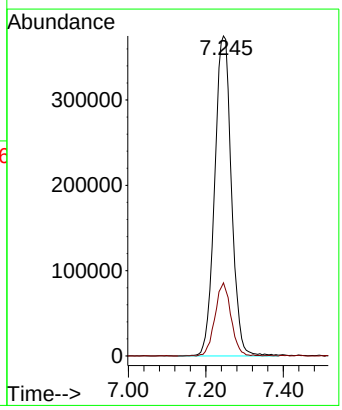


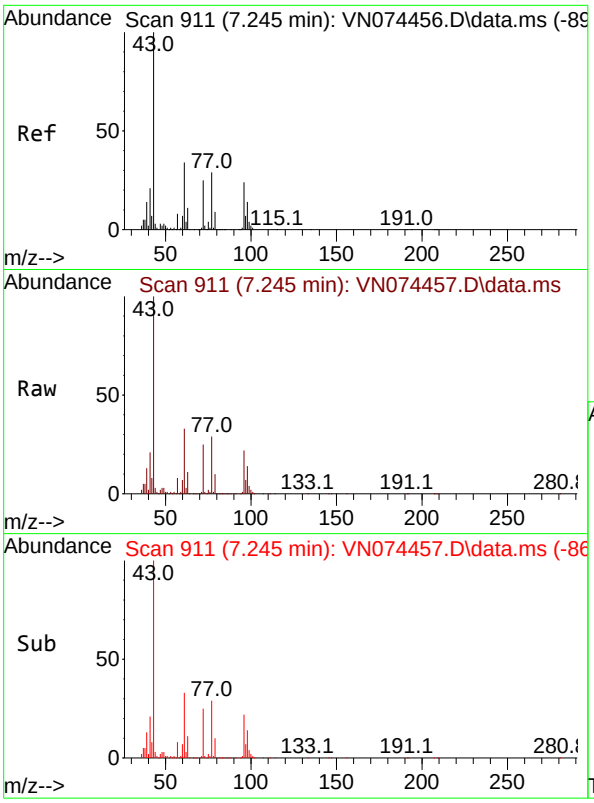


#26
2,2-Dichloropropane
Concen: 144.046 ug/l
RT: 7.245 min Scan# 911
Delta R.T. 0.000 min
Lab File: VN074457.D
Acq: 15 Sep 2022 12:12

Tgt Ion: 77 Resp: 1125048

Ion	Ratio	Lower	Upper
77	100		
97	21.8	11.4	34.2

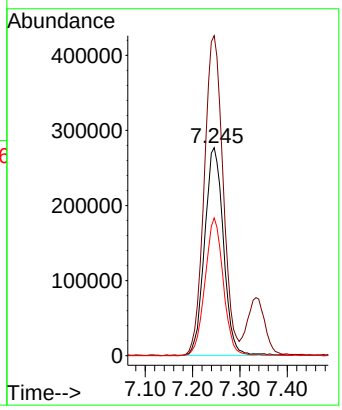




#27
cis-1,2-Dichloroethene
Concen: 141.433 ug/l
RT: 7.245 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN074457.D
Acq: 15 Sep 2022 12:12

Tgt Ion: 96 Resp: 76325

Ion	Ratio	Lower	Upper
96	100		
61	154.5	0.0	280.6
98	64.4	0.0	128.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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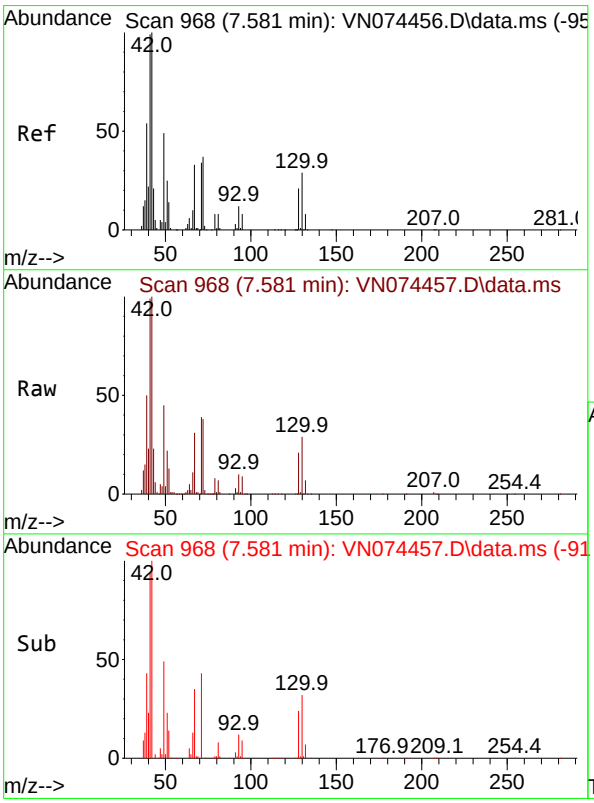
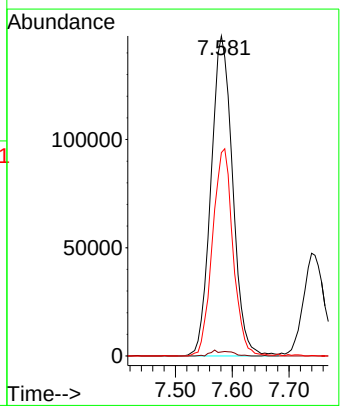
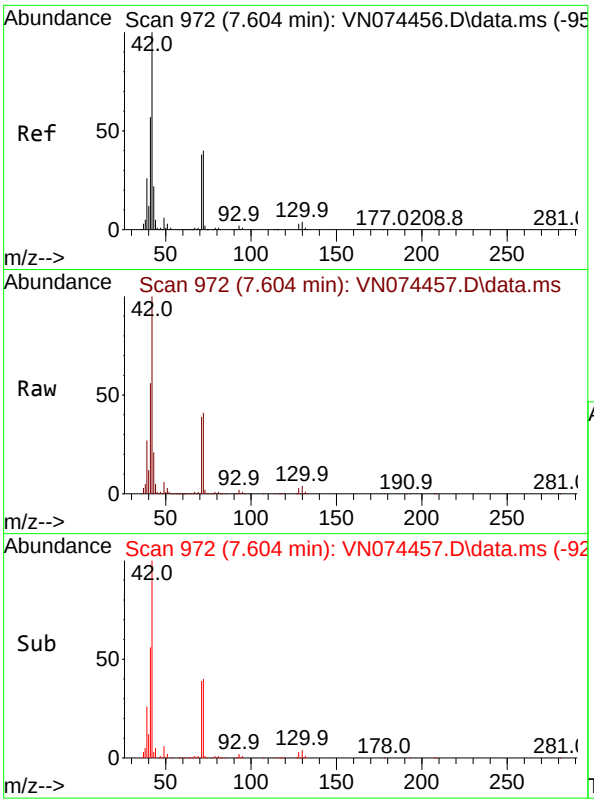


#28
Bromochloromethane
Concen: 115.699 ug/l
RT: 7.581 min Scan# 968
Delta R.T. 0.000 min
Lab File: VN074457.D
Acq: 15 Sep 2022 12:12

Tgt Ion: 49 Resp: 391173

Ion	Ratio	Lower	Upper
49	100		
129	0.8	0.0	4.6
130	61.4	69.7	104.5#

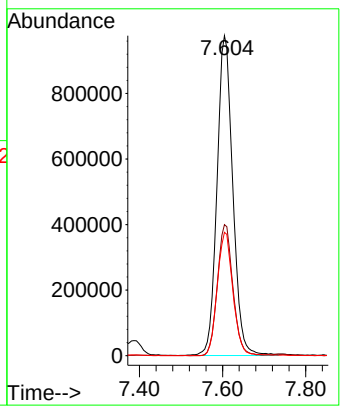




#29
Tetrahydrofuran
Concen: 751.481 ug/l
RT: 7.604 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN074457.D
Acq: 15 Sep 2022 12:12

Tgt Ion: 42 Resp: 257434

Ion	Ratio	Lower	Upper
42	100		
72	40.2	39.7	59.5
71	38.3	36.6	55.0



Instrument :
MSVOA_N
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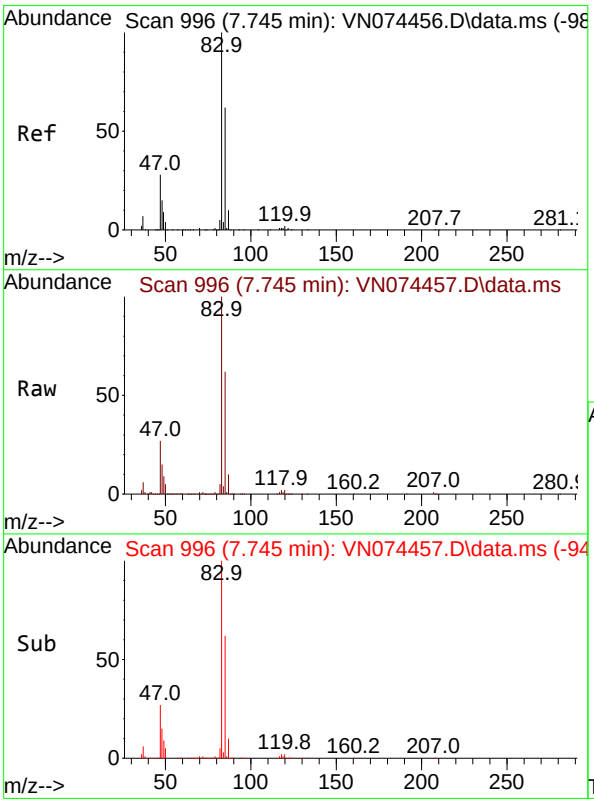
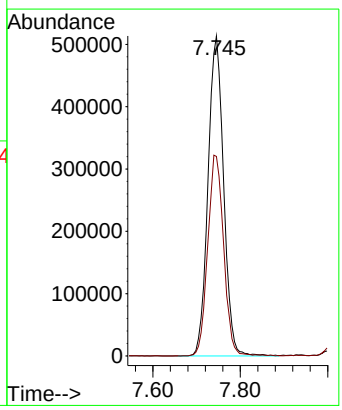
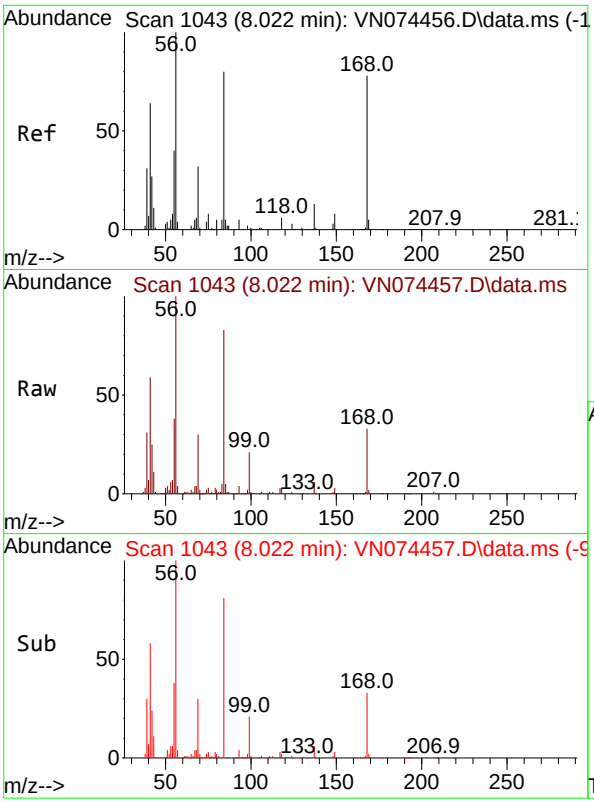


#30
Chloroform
Concen: 145.718 ug/l
RT: 7.745 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN074457.D
Acq: 15 Sep 2022 12:12

Tgt Ion: 83 Resp: 1274589

Ion	Ratio	Lower	Upper
83	100		
85	62.3	51.8	77.8

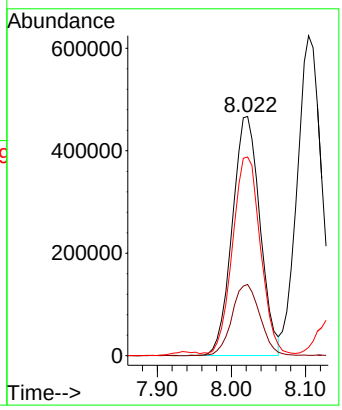




#31
Cyclohexane
Concen: 147.006 ug/l
RT: 8.022 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074457.D
Acq: 15 Sep 2022 12:12

Tgt Ion: 56 Resp: 121325

Ion	Ratio	Lower	Upper
56	100		
69	29.8	27.8	41.8
84	81.6	76.9	115.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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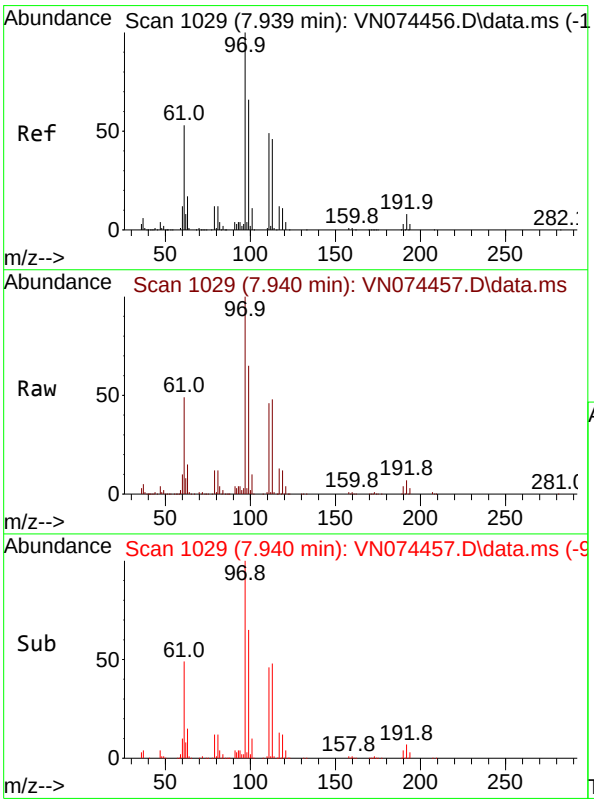
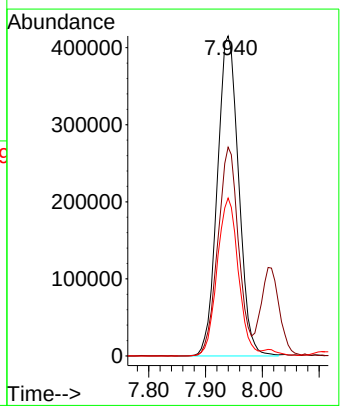
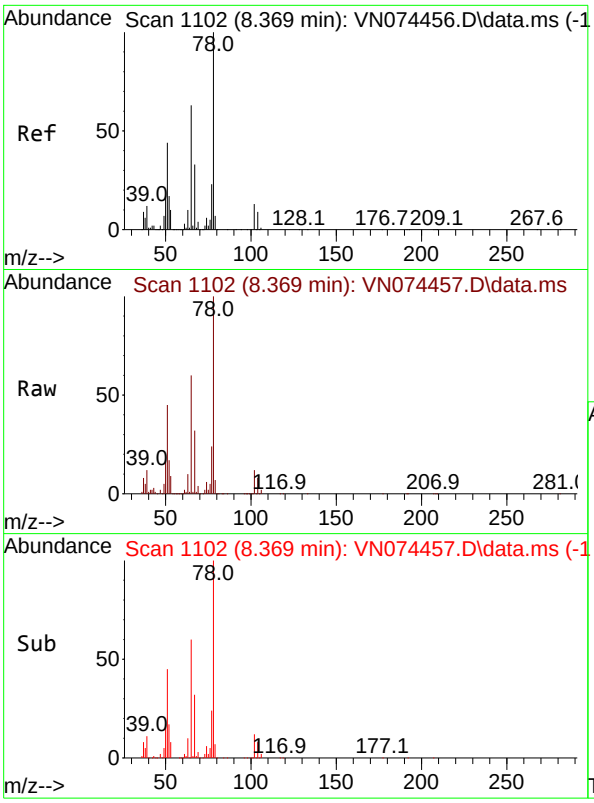


#32
1,1,1-Trichloroethane
Concen: 142.759 ug/l
RT: 7.940 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VN074457.D
Acq: 15 Sep 2022 12:12

Tgt Ion: 97 Resp: 1085614

Ion	Ratio	Lower	Upper
97	100		
99	63.2	50.6	76.0
61	49.2	36.0	54.0

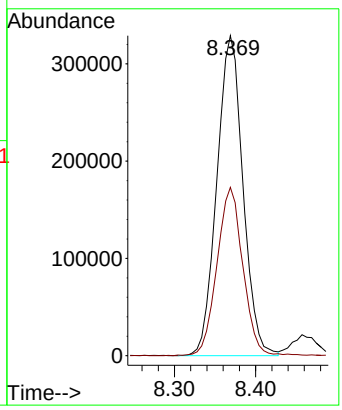




#33
1,2-Dichloroethane-d4
Concen: 127.510 ug/l
RT: 8.369 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN074457.D
Acq: 15 Sep 2022 12:12

Tgt Ion: 65 Resp: 73488

Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	104.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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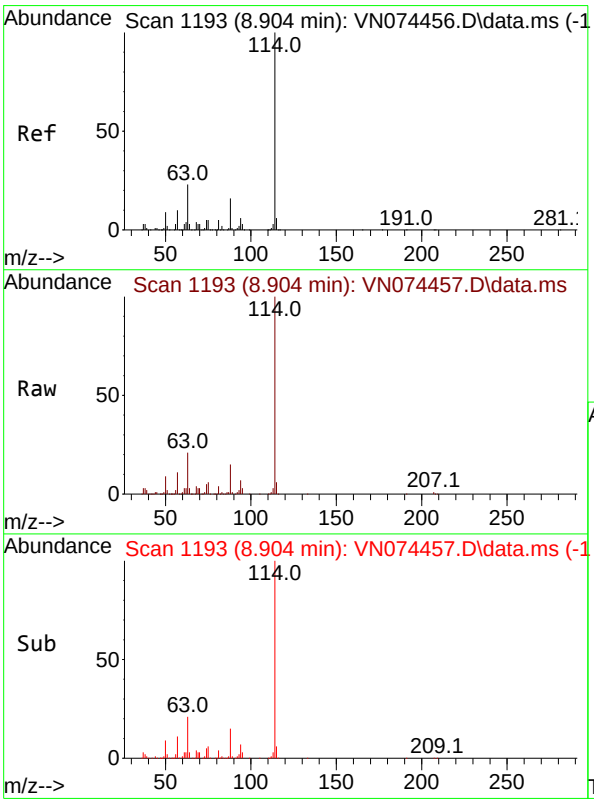
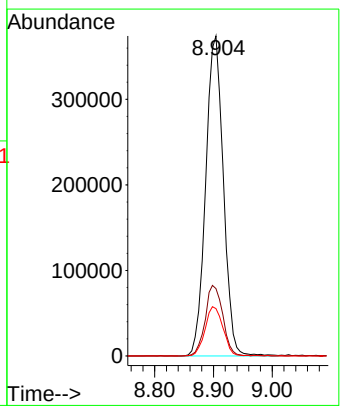
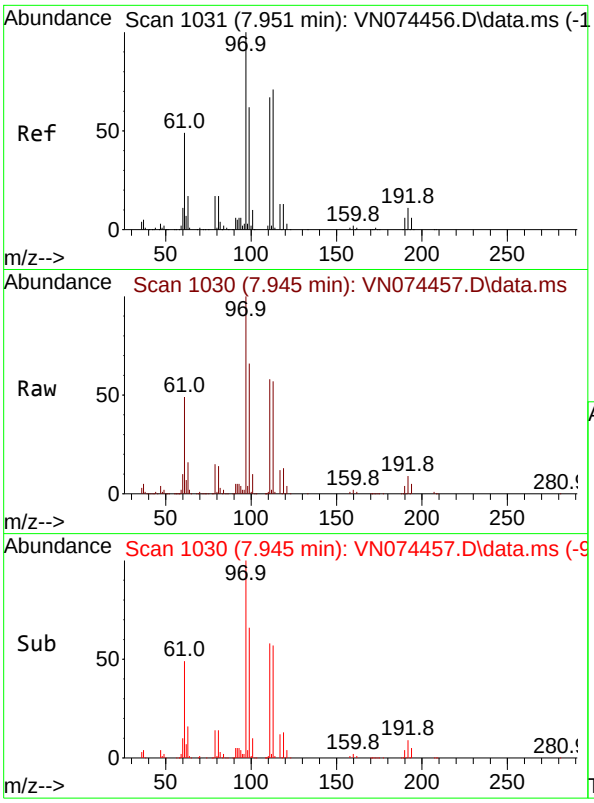


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VN074457.D
Acq: 15 Sep 2022 12:12

Tgt Ion:114 Resp: 781661

Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	40.0
88	14.8	0.0	32.6

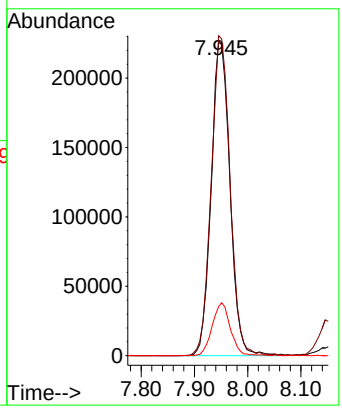




#35
Dibromofluoromethane
Concen: 113.576 ug/l
RT: 7.945 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN074457.D
Acq: 15 Sep 2022 12:12

Tgt Ion:113 Resp: 55350

Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.4	122.0
192	16.4	17.0	25.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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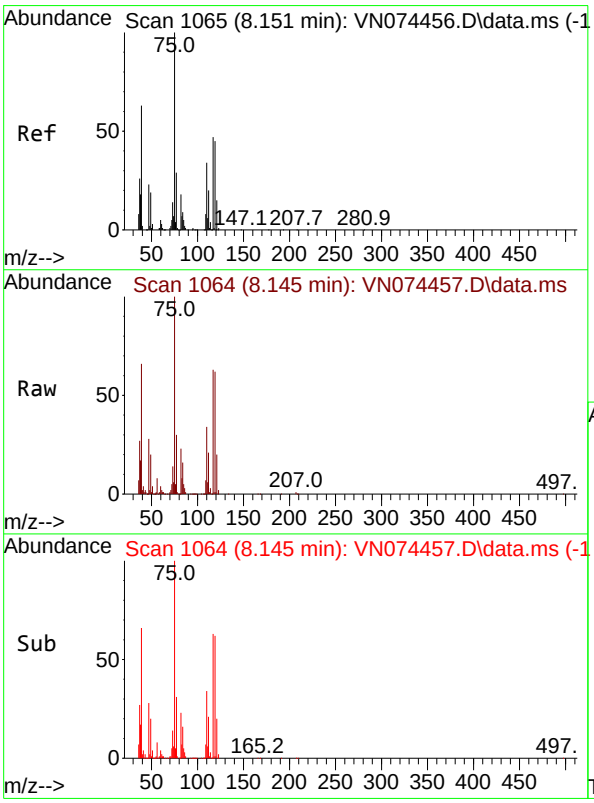
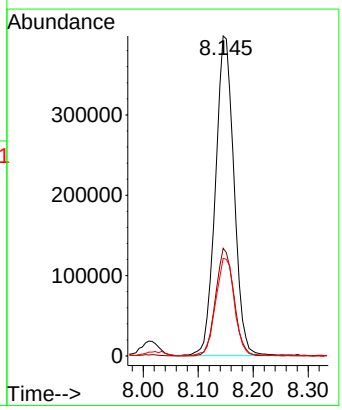
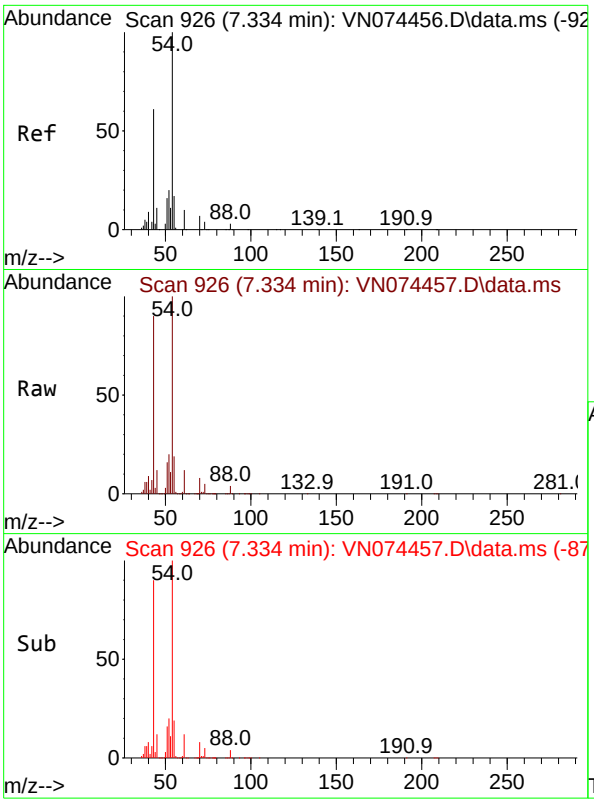


#36
1,1-Dichloropropene
Concen: 137.212 ug/l
RT: 8.145 min Scan# 1064
Delta R.T. -0.006 min
Lab File: VN074457.D
Acq: 15 Sep 2022 12:12

Tgt Ion: 75 Resp: 934812

Ion	Ratio	Lower	Upper
75	100		
110	33.1	18.3	54.8
77	30.9	25.1	37.7

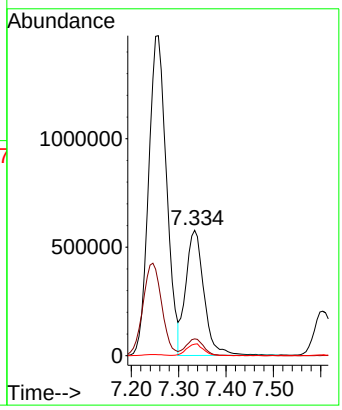




#37
Ethyl Acetate
Concen: 140.161 ug/l
RT: 7.334 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN074457.D
Acq: 15 Sep 2022 12:12

Tgt Ion: 43 Resp: 153769

Ion	Ratio	Lower	Upper
43	100		
61	12.9	11.8	17.6
70	8.8	9.3	13.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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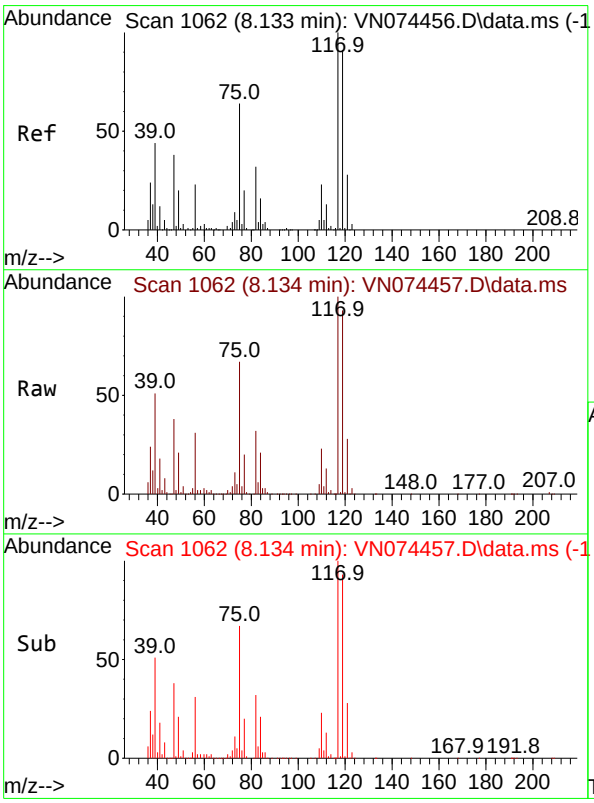
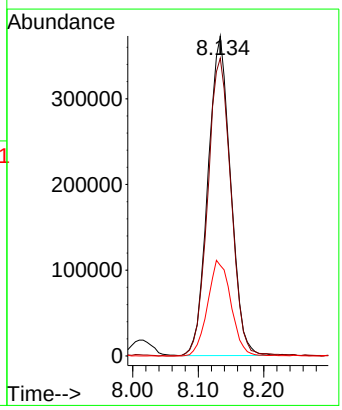
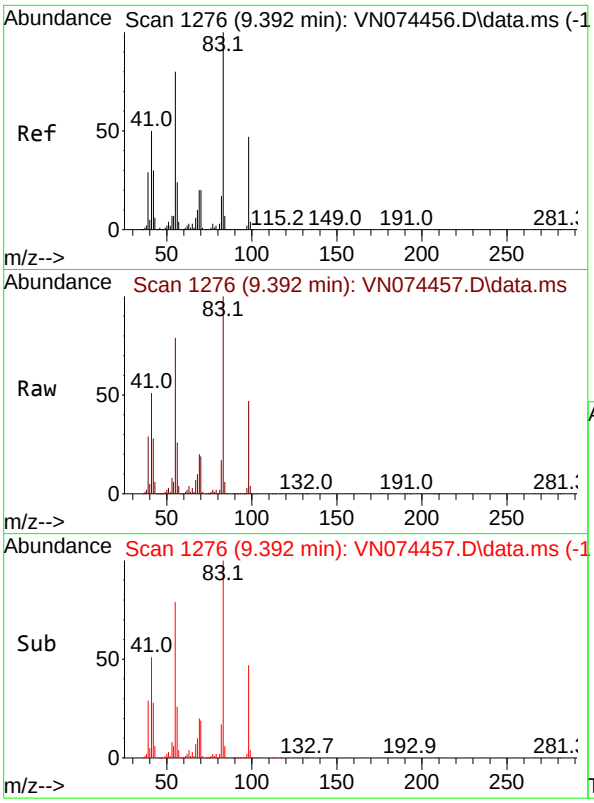


#38
Carbon Tetrachloride
Concen: 127.350 ug/l
RT: 8.134 min Scan# 1062
Delta R.T. 0.000 min
Lab File: VN074457.D
Acq: 15 Sep 2022 12:12

Tgt Ion:117 Resp: 894406

Ion	Ratio	Lower	Upper
117	100		
119	93.1	75.8	113.8
121	28.3	24.6	37.0

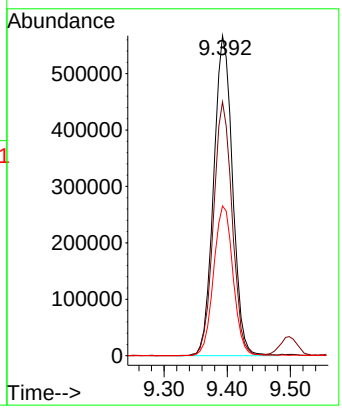




#39
Methylcyclohexane
Concen: 142.843 ug/l
RT: 9.392 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074457.D
Acq: 15 Sep 2022 12:12

Tgt Ion: 83 Resp: 118004

Ion	Ratio	Lower	Upper
83	100		
55	79.3	57.8	86.8
98	46.8	39.4	59.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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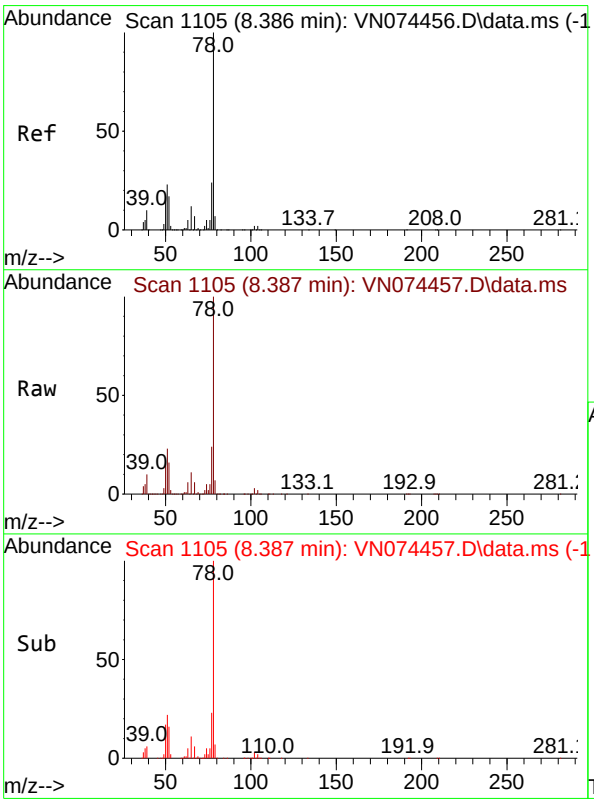
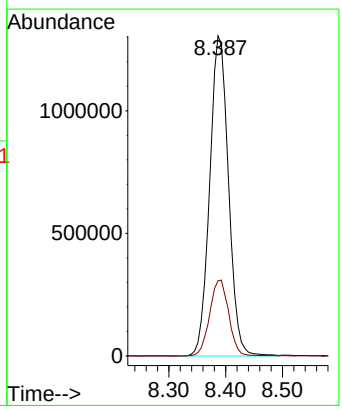
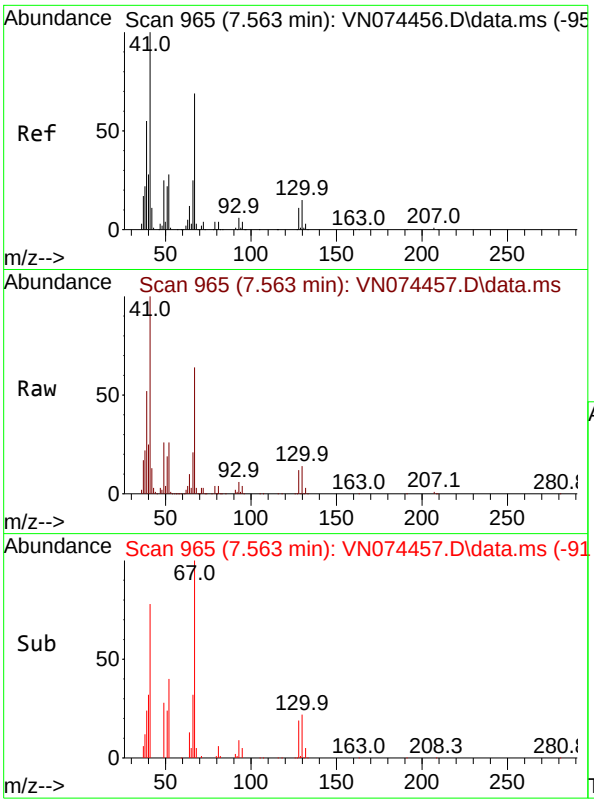


#40
Benzene
Concen: 139.284 ug/l
RT: 8.387 min Scan# 1105
Delta R.T. 0.000 min
Lab File: VN074457.D
Acq: 15 Sep 2022 12:12

Tgt Ion: 78 Resp: 2991814

Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.4	29.0

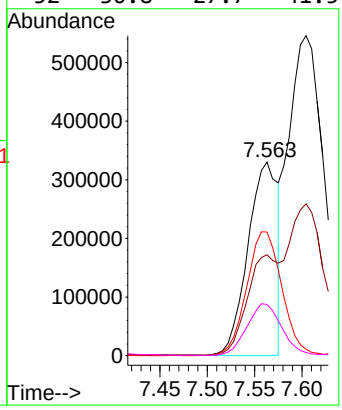




#41
Methacrylonitrile
Concen: 139.709 ug/l
RT: 7.563 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN074457.D
Acq: 15 Sep 2022 12:12

Tgt Ion: 41 Resp: 72492

Ion	Ratio	Lower	Upper
41	100		
39	53.6	48.6	73.0
67	76.3	73.4	110.2
52	30.8	27.7	41.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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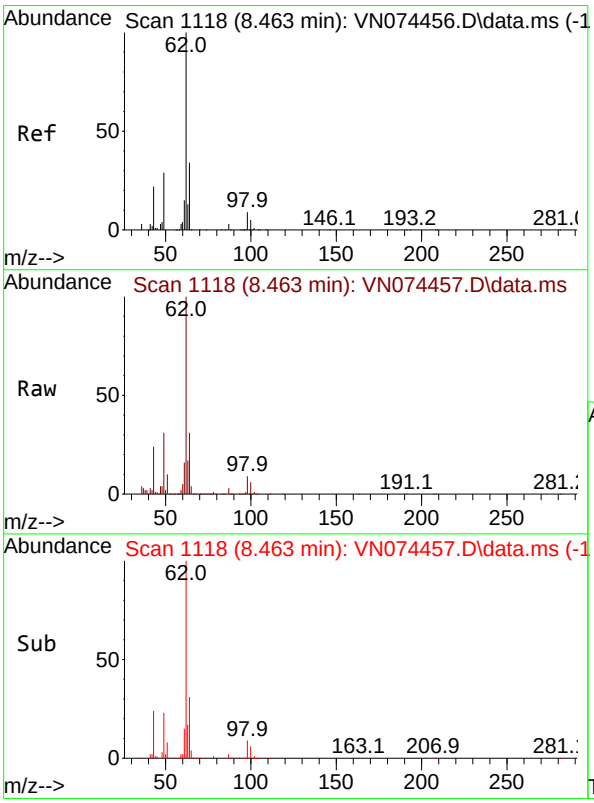
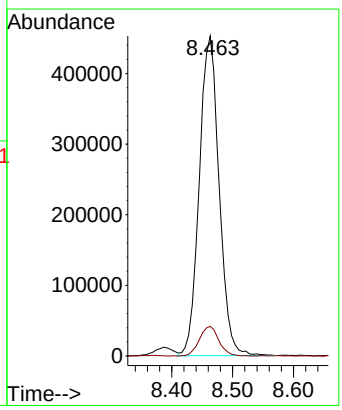
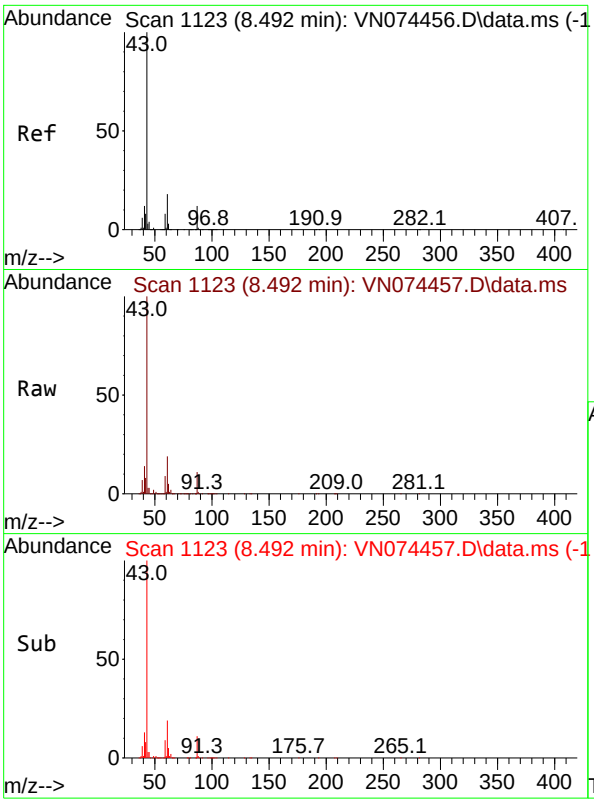


#42
1,2-Dichloroethane
Concen: 135.308 ug/l
RT: 8.463 min Scan# 1118
Delta R.T. 0.000 min
Lab File: VN074457.D
Acq: 15 Sep 2022 12:12

Tgt Ion: 62 Resp: 1024322

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	19.4

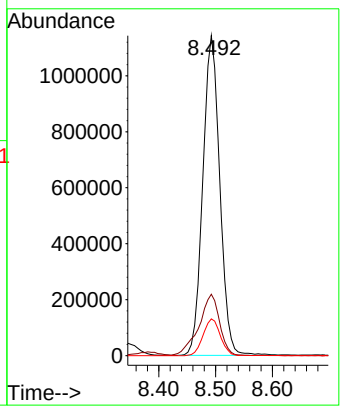




#43
Isopropyl Acetate
Concen: 149.807 ug/l
RT: 8.492 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074457.D
Acq: 15 Sep 2022 12:12

Tgt Ion: 43 Resp: 236780

Ion	Ratio	Lower	Upper
43	100		
61	23.3	21.9	32.9
87	11.7	12.0	18.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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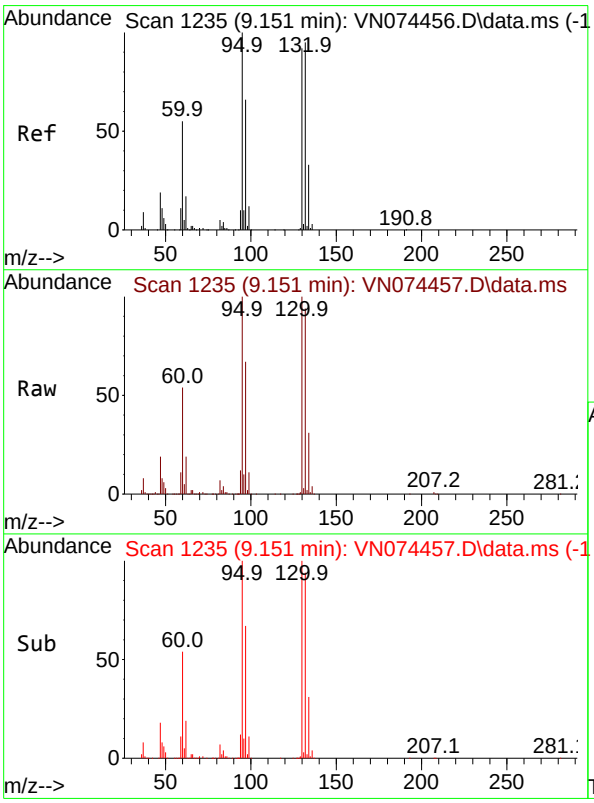
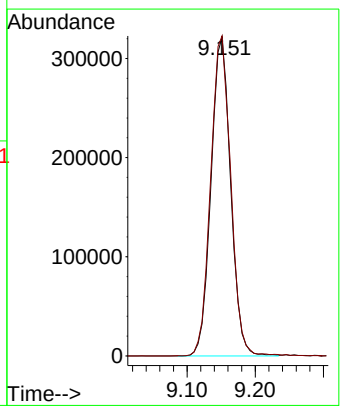
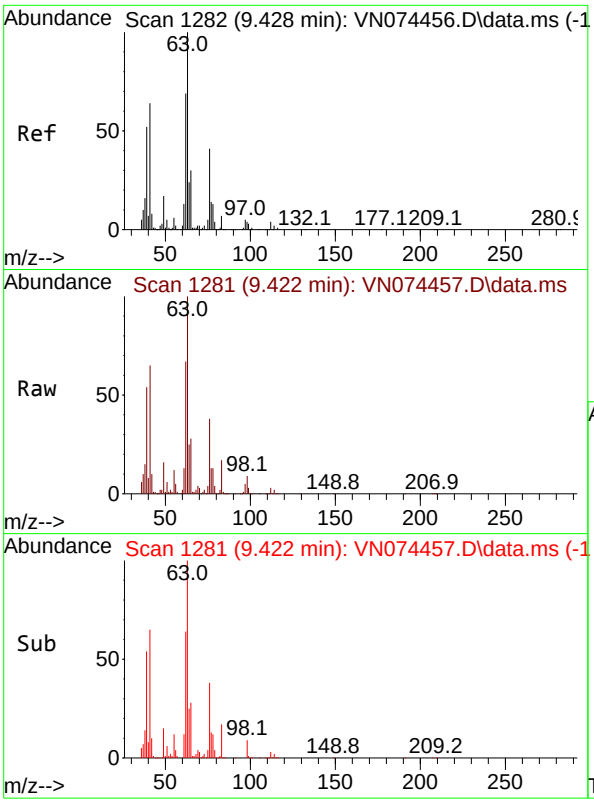


#44
Trichloroethene
Concen: 122.612 ug/l
RT: 9.151 min Scan# 1235
Delta R.T. 0.000 min
Lab File: VN074457.D
Acq: 15 Sep 2022 12:12

Tgt Ion:130 Resp: 643455

Ion	Ratio	Lower	Upper
130	100		
95	100.2	0.0	186.8

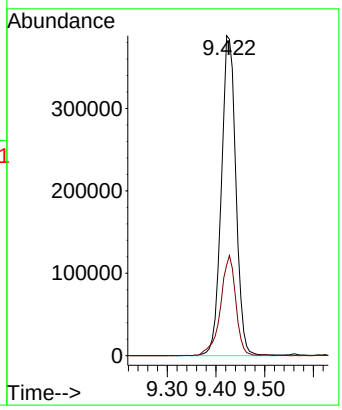




#45
1,2-Dichloropropane
Concen: 145.573 ug/l
RT: 9.422 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN074457.D
Acq: 15 Sep 2022 12:12

Tgt Ion: 63 Resp: 80967

Ion	Ratio	Lower	Upper
63	100		
65	28.4	24.9	37.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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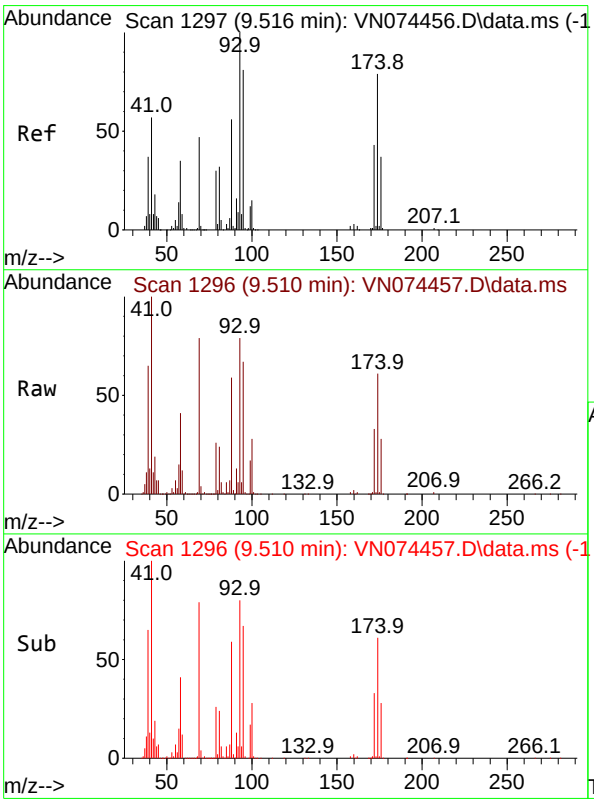
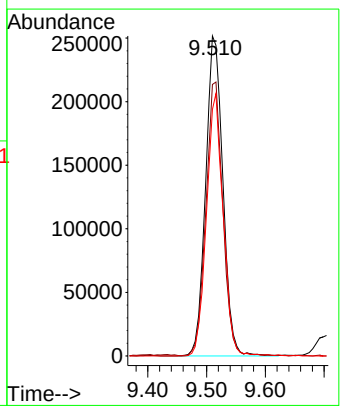
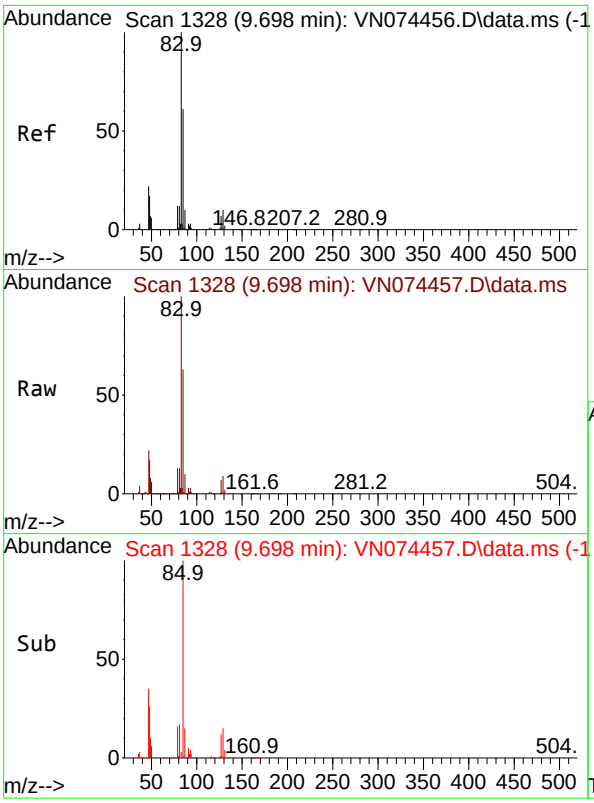


#46
Dibromomethane
Concen: 138.653 ug/l
RT: 9.510 min Scan# 1296
Delta R.T. -0.006 min
Lab File: VN074457.D
Acq: 15 Sep 2022 12:12

Tgt Ion: 93 Resp: 511734

Ion	Ratio	Lower	Upper
93	100		
95	83.9	66.9	100.3
174	79.4	86.6	130.0#

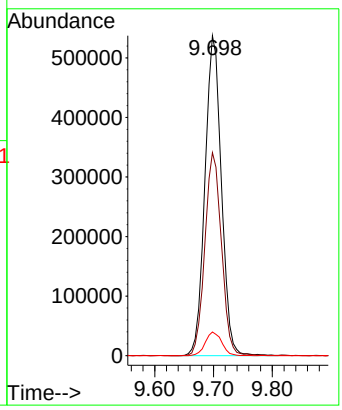




#47
Bromodichloromethane
Concen: 142.501 ug/l
RT: 9.698 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074457.D
Acq: 15 Sep 2022 12:12

Tgt Ion: 83 Resp: 104527

Ion	Ratio	Lower	Upper
83	100		
85	63.4	50.5	75.7
127	7.4	6.8	10.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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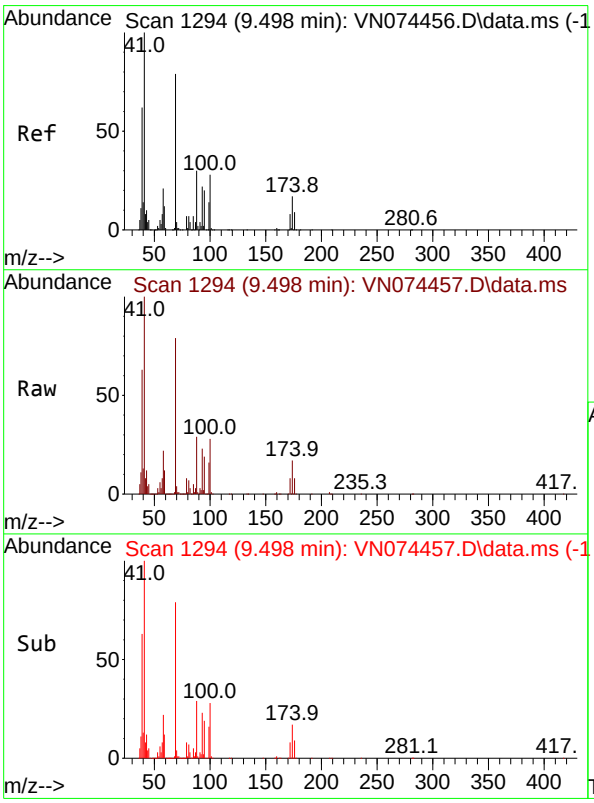
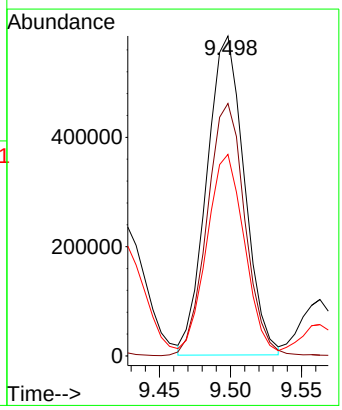
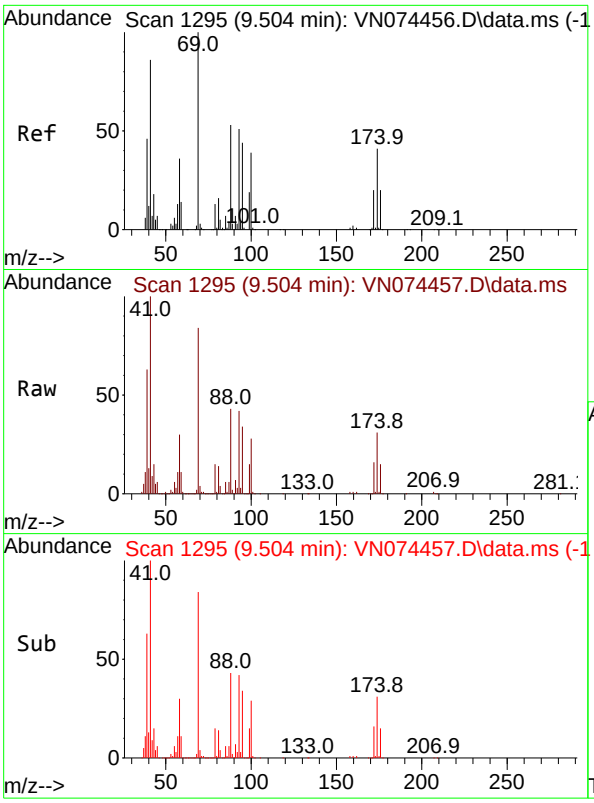


#48
Methyl methacrylate
Concen: 150.579 ug/l
RT: 9.498 min Scan# 1294
Delta R.T. 0.000 min
Lab File: VN074457.D
Acq: 15 Sep 2022 12:12

Tgt Ion: 41 Resp: 1076920

Ion	Ratio	Lower	Upper
41	100		
69	79.5	74.7	112.1
39	63.5	45.6	68.4





#49
1,4-Dioxane
Concen: 2613.796 ug/l
RT: 9.504 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074457.D
Acq: 15 Sep 2022 12:12

Tgt Ion: 88 Resp: 41000

Ion	Ratio	Lower	Upper
88	100		
43	35.3	20.2	30.4
58	70.0	54.2	81.4

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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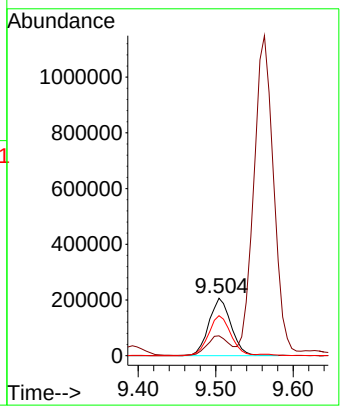
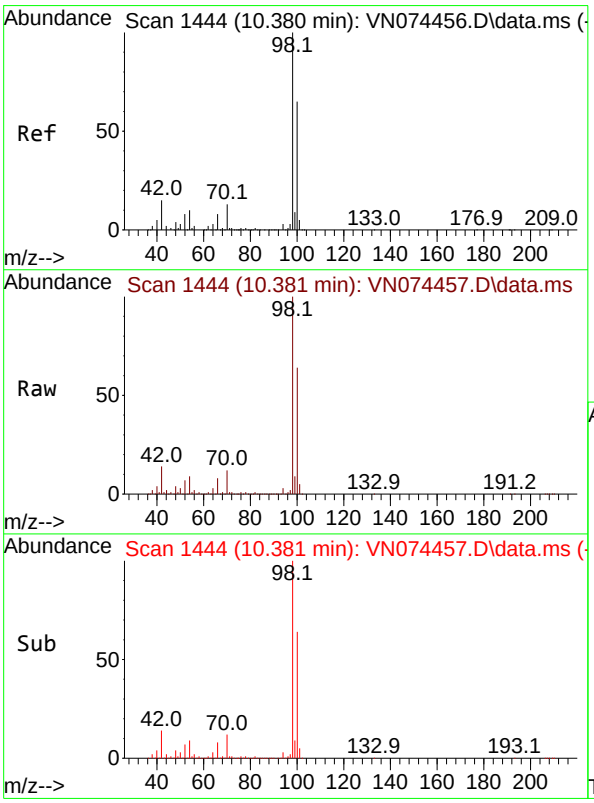
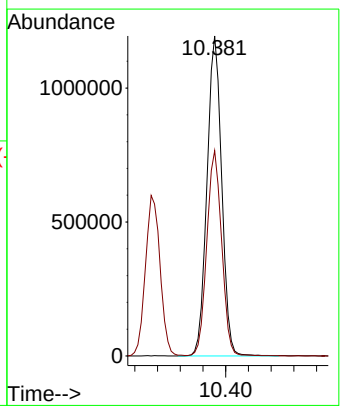


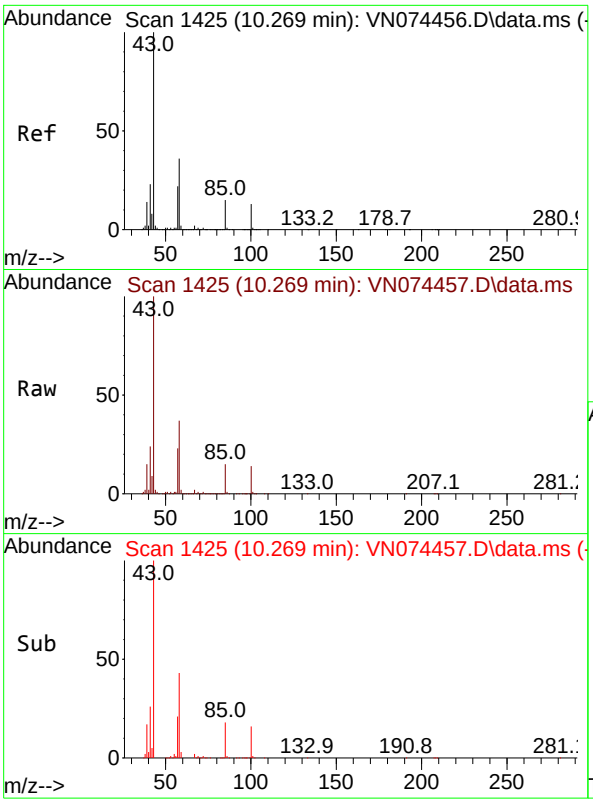


#50
Toluene-d8
Concen: 117.848 ug/l
RT: 10.381 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074457.D
Acq: 15 Sep 2022 12:12

Tgt Ion: 98 Resp: 2135371

Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.6	78.8

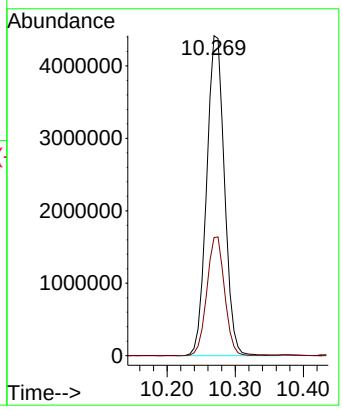




#51
4-Methyl-2-Pentanone
Concen: 771.211 ug/l
RT: 10.269 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN074457.D
Acq: 15 Sep 2022 12:12

Tgt Ion: 43 Resp: 801414

Ion	Ratio	Lower	Upper
43	100		
58	37.1	34.1	51.1



Instrument :
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ClientSampleId :
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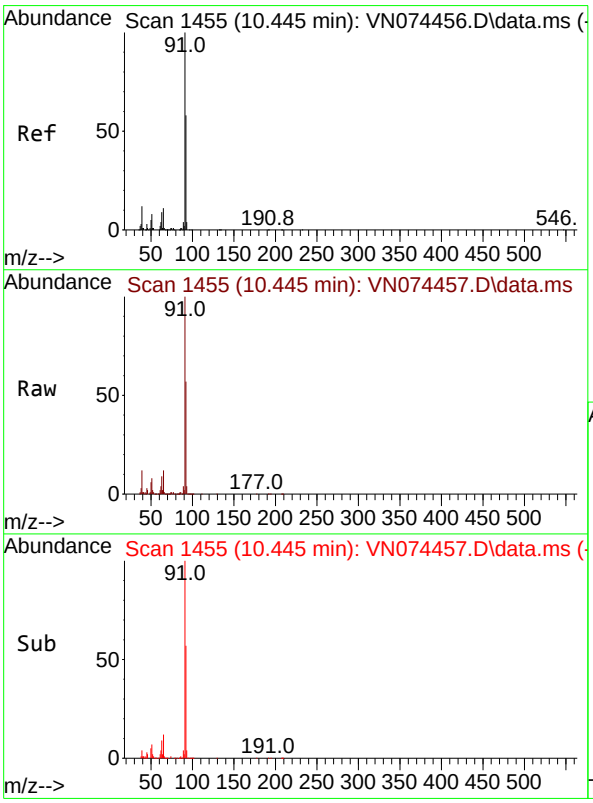
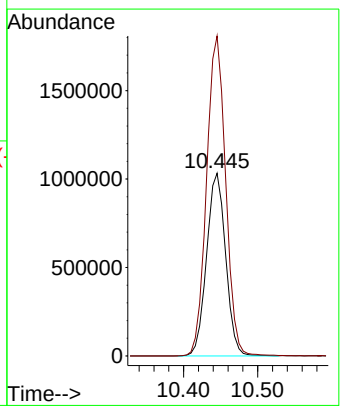
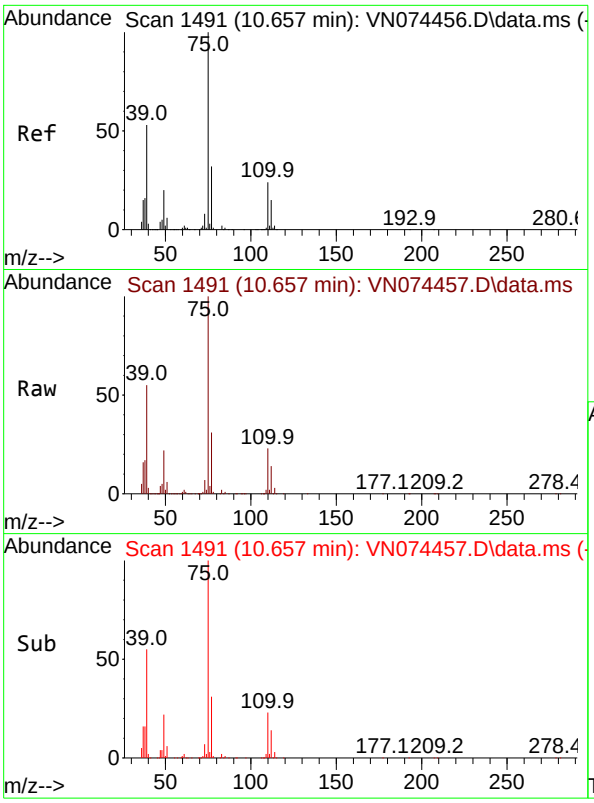


#52
Toluene
Concen: 140.499 ug/l
RT: 10.445 min Scan# 1455
Delta R.T. 0.000 min
Lab File: VN074457.D
Acq: 15 Sep 2022 12:12

Tgt Ion: 92 Resp: 1845045

Ion	Ratio	Lower	Upper
92	100		
91	175.7	138.6	207.8

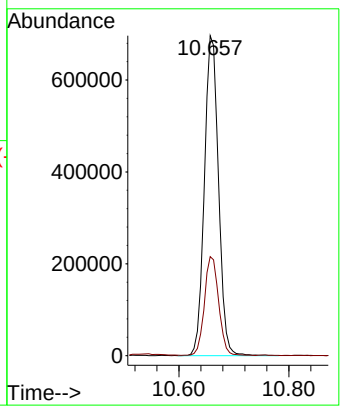




#53
t-1,3-Dichloropropene
Concen: 155.335 ug/l
RT: 10.657 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN074457.D
Acq: 15 Sep 2022 12:12

Tgt Ion: 75 Resp: 124221

Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.6	38.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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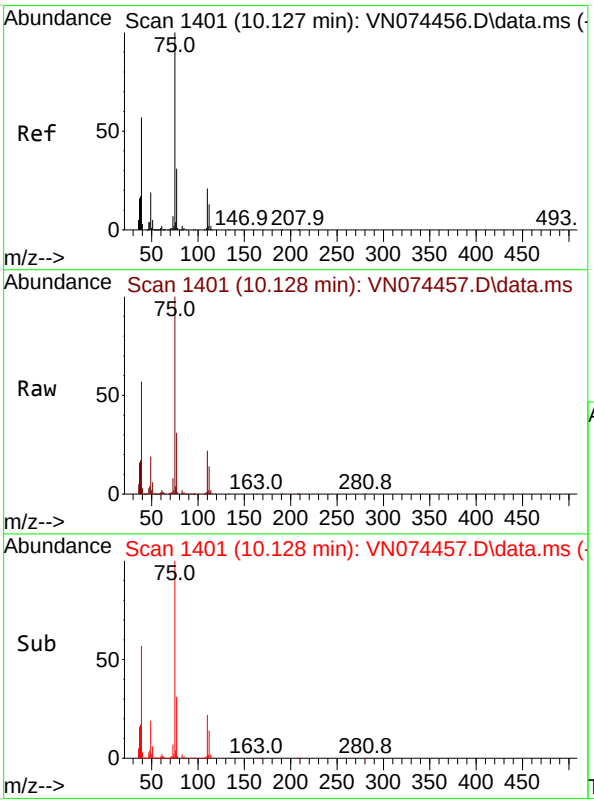
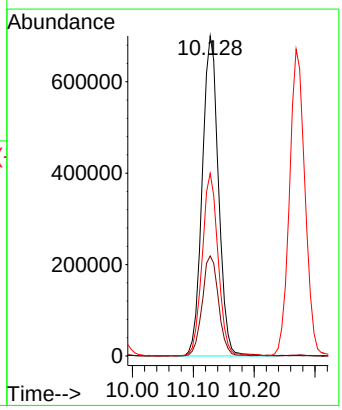
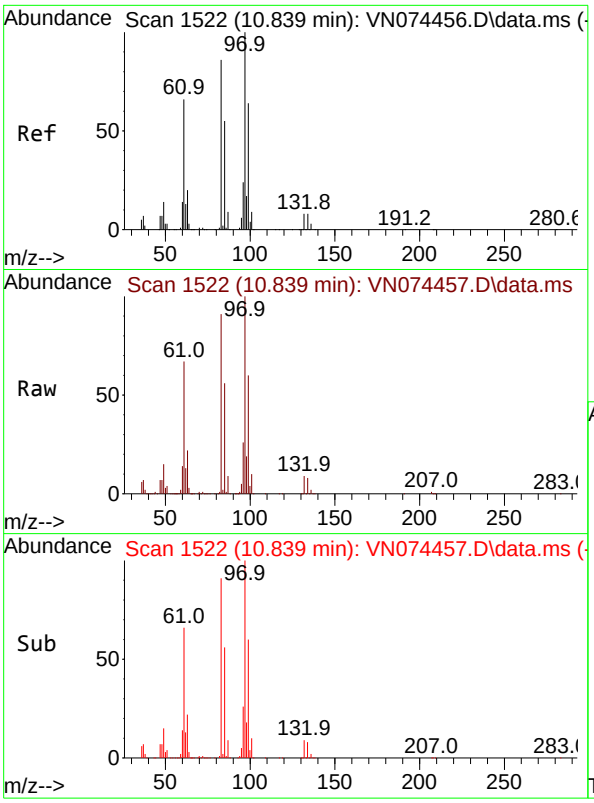


#54
cis-1,3-Dichloropropene
Concen: 148.901 ug/l
RT: 10.128 min Scan# 1401
Delta R.T. 0.000 min
Lab File: VN074457.D
Acq: 15 Sep 2022 12:12

Tgt Ion: 75 Resp: 1298525

Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.2	37.8
39	57.0	35.7	53.5#

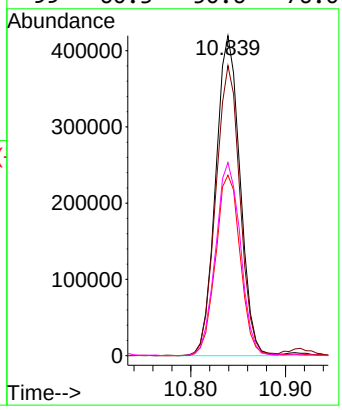




#55
1,1,2-Trichloroethane
Concen: 131.014 ug/l
RT: 10.839 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074457.D
Acq: 15 Sep 2022 12:12

Tgt Ion: 97 Resp: 74940

Ion	Ratio	Lower	Upper
97	100		
83	90.7	66.2	99.4
85	56.3	43.9	65.9
99	60.3	50.6	76.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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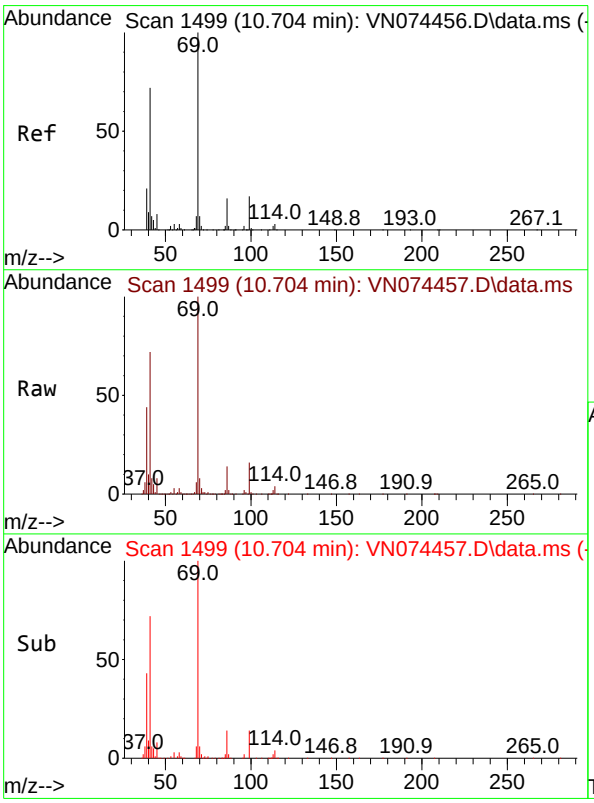
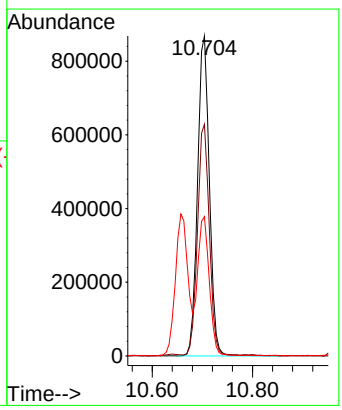
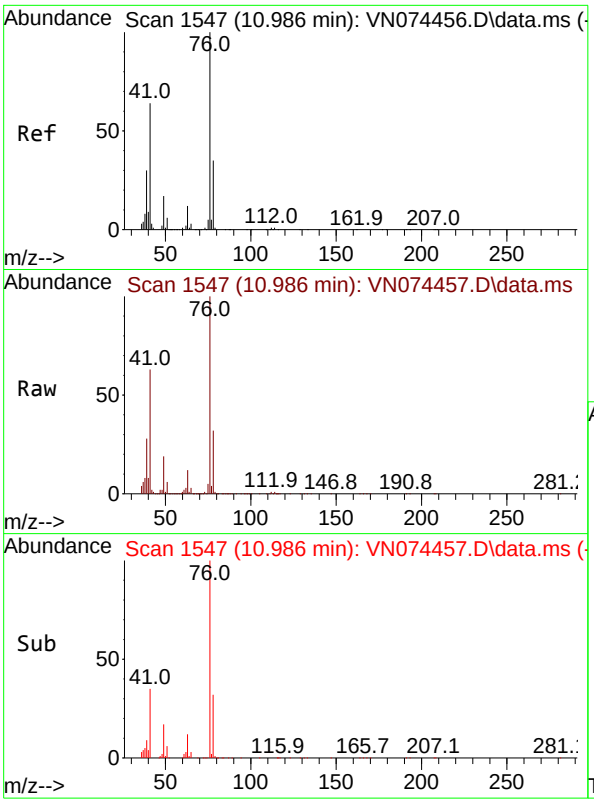


#56
Ethyl methacrylate
Concen: 152.539 ug/l
RT: 10.704 min Scan# 1499
Delta R.T. 0.000 min
Lab File: VN074457.D
Acq: 15 Sep 2022 12:12

Tgt Ion: 69 Resp: 1419810

Ion	Ratio	Lower	Upper
69	100		
41	71.6	47.8	71.6
39	42.6	27.3	40.9#

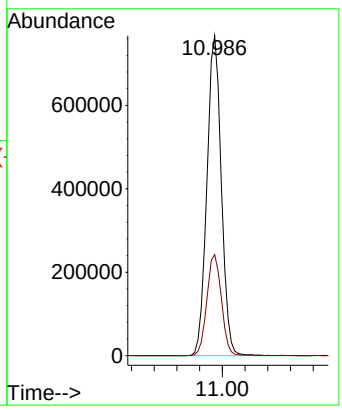




#57
1,3-Dichloropropane
Concen: 140.447 ug/l
RT: 10.986 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074457.D
Acq: 15 Sep 2022 12:12

Tgt Ion: 76 Resp: 134550

Ion	Ratio	Lower	Upper
76	100		
78	31.9	26.2	39.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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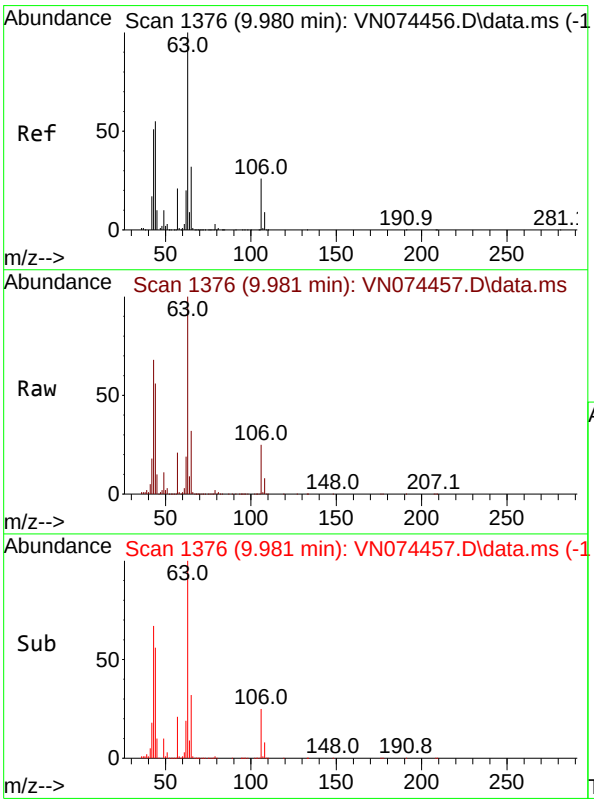
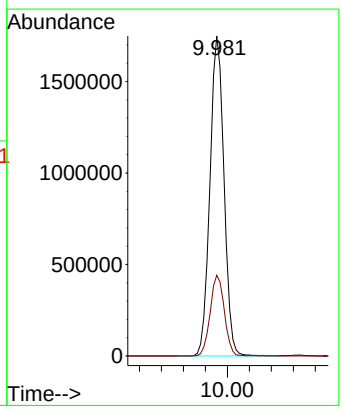
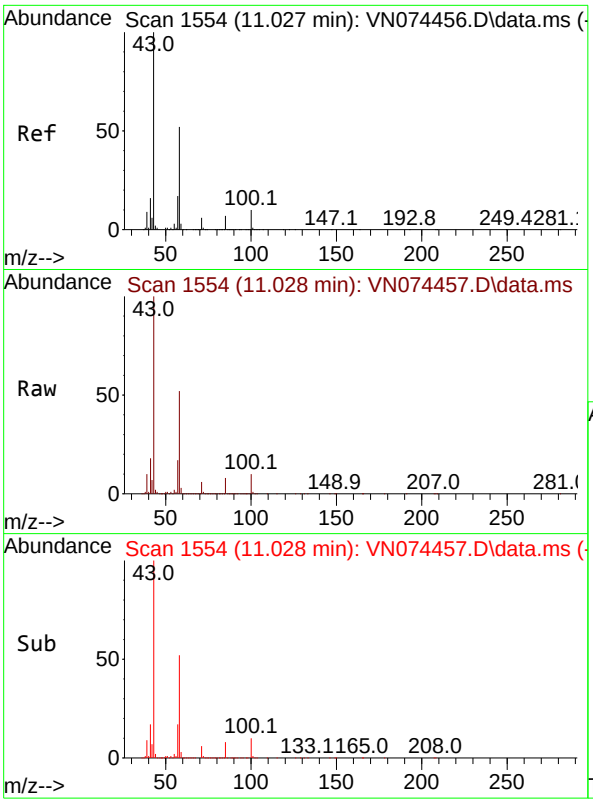


#58
2-Chloroethyl Vinyl ether
Concen: 757.324 ug/l
RT: 9.981 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VN074457.D
Acq: 15 Sep 2022 12:12

Tgt Ion: 63 Resp: 3107962

Ion	Ratio	Lower	Upper
63	100		
106	25.3	24.6	36.8

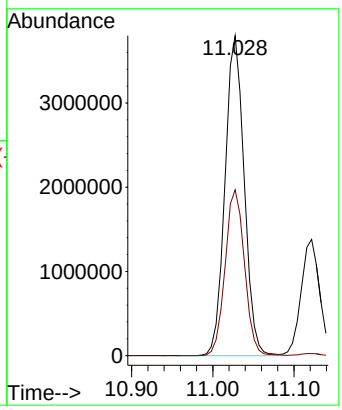




#59
2-Hexanone
Concen: 777.548 ug/l
RT: 11.028 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074457.D
Acq: 15 Sep 2022 12:12

Tgt Ion: 43 Resp: 623400

Ion	Ratio	Lower	Upper
43	100		
58	52.3	29.7	89.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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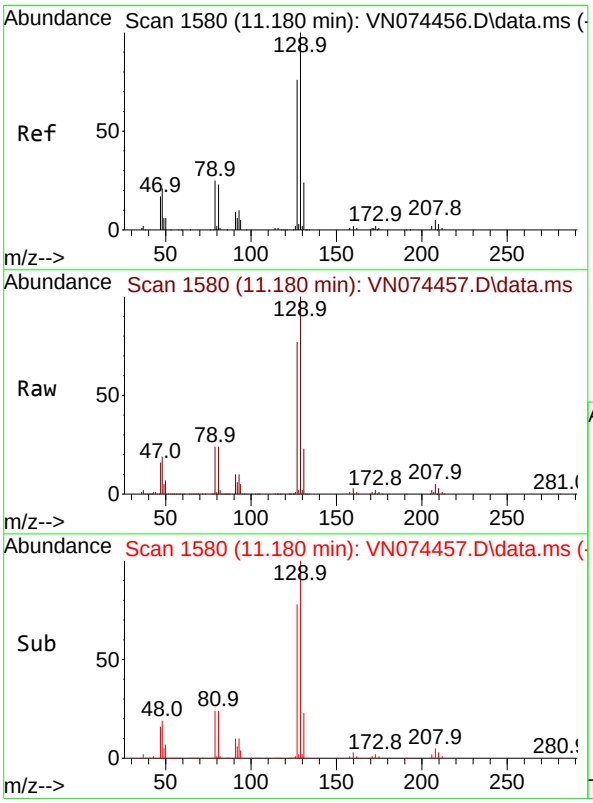
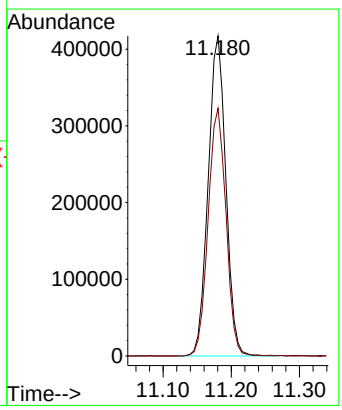
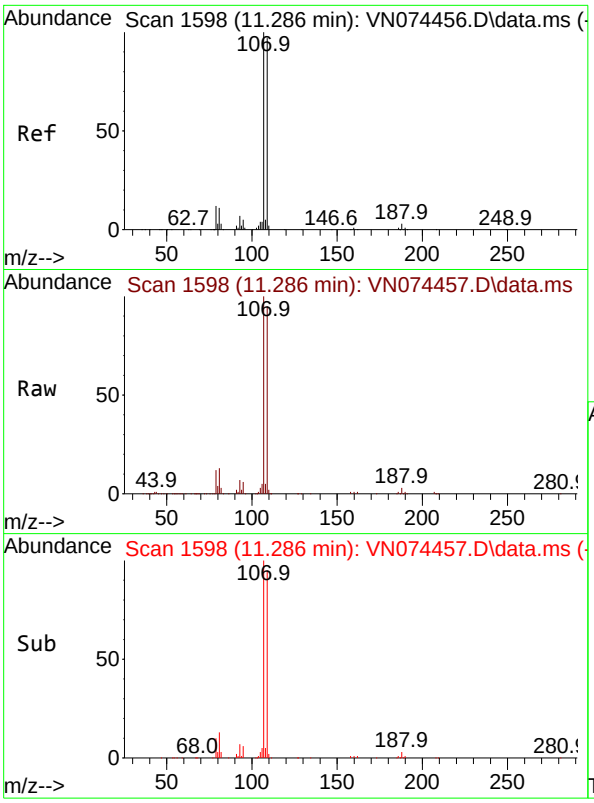


#60
Dibromochloromethane
Concen: 140.755 ug/l
RT: 11.180 min Scan# 1580
Delta R.T. 0.000 min
Lab File: VN074457.D
Acq: 15 Sep 2022 12:12

Tgt Ion:129 Resp: 753731

Ion	Ratio	Lower	Upper
129	100		
127	78.0	38.8	116.4

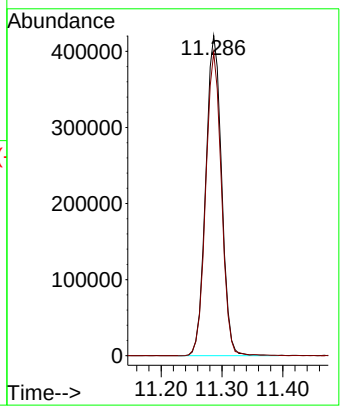




#61
1,2-Dibromoethane
Concen: 135.391 ug/l
RT: 11.286 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074457.D
Acq: 15 Sep 2022 12:12

Tgt Ion:107 Resp: 76010

Ion	Ratio	Lower	Upper
107	100		
109	93.9	75.0	112.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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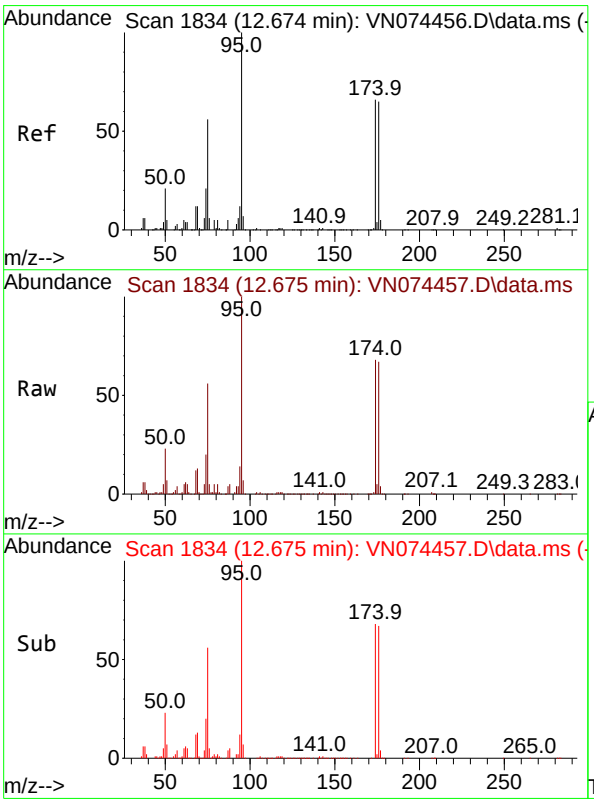
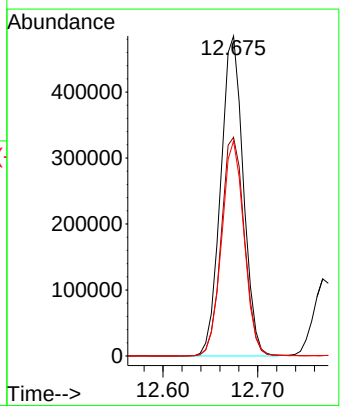
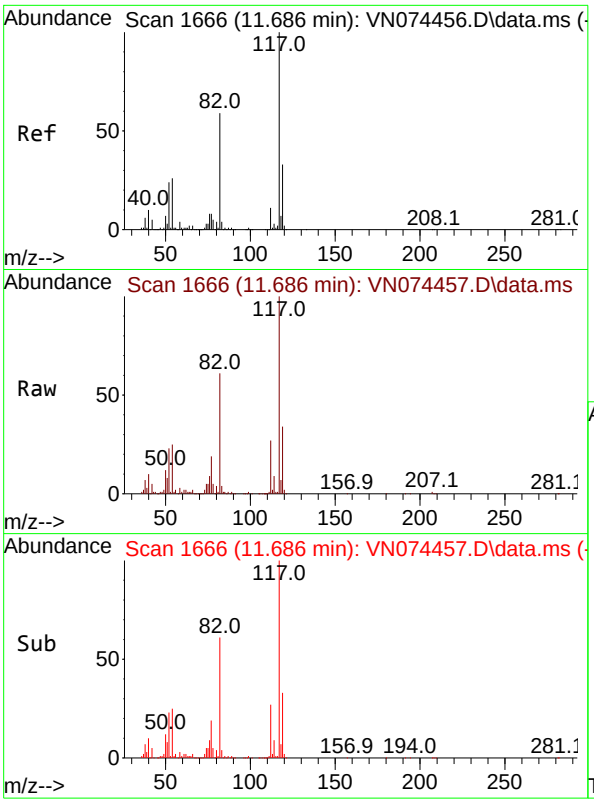


#62
4-Bromofluorobenzene
Concen: 123.272 ug/l
RT: 12.675 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN074457.D
Acq: 15 Sep 2022 12:12

Tgt Ion: 95 Resp: 804578

Ion	Ratio	Lower	Upper
95	100		
174	69.9	0.0	167.6
176	66.8	0.0	163.4

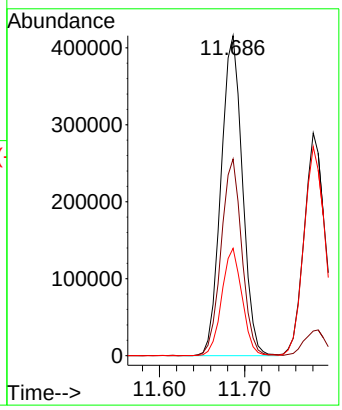




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VN074457.D
Acq: 15 Sep 2022 12:12

Tgt Ion:117 Resp: 72639

Ion	Ratio	Lower	Upper
117	100		
82	61.5	44.2	66.2
119	33.5	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
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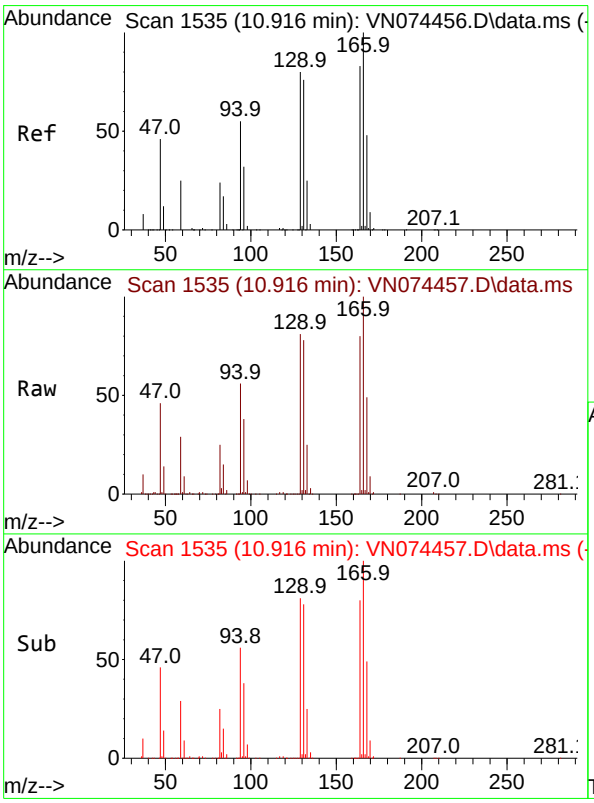
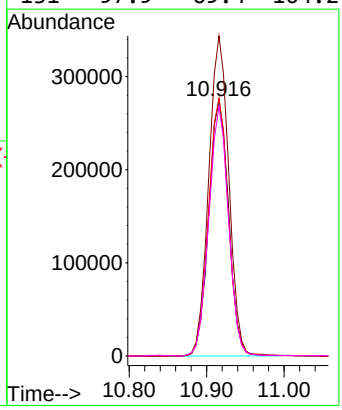
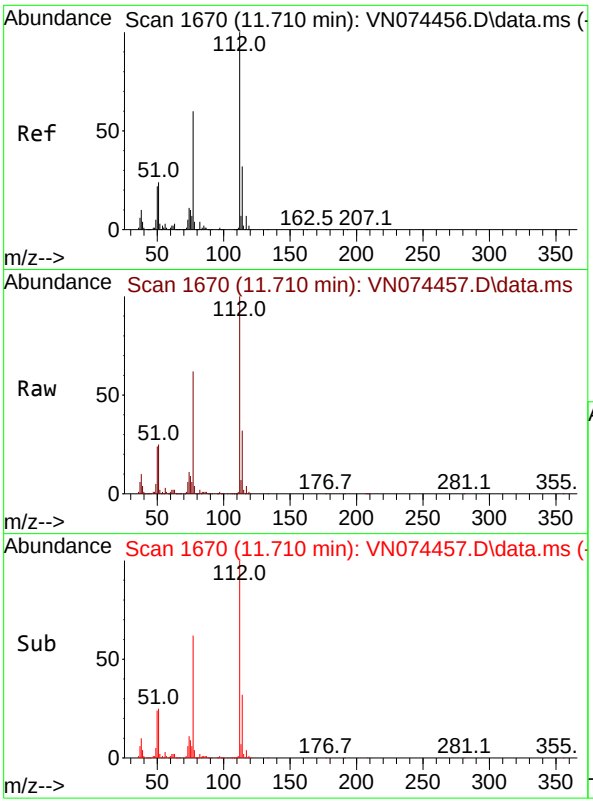


#64
Tetrachloroethene
Concen: 110.697 ug/l
RT: 10.916 min Scan# 1535
Delta R.T. 0.000 min
Lab File: VN074457.D
Acq: 15 Sep 2022 12:12

Tgt Ion:164 Resp: 490551

Ion	Ratio	Lower	Upper
164	100		
166	125.6	104.2	156.2
129	101.1	73.9	110.9
131	97.9	69.4	104.2

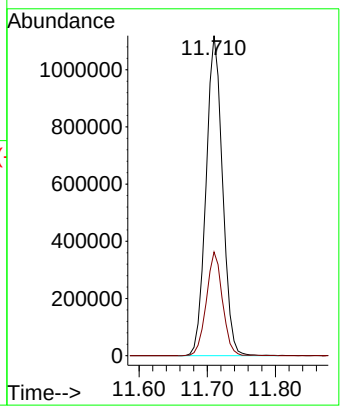




#65
Chlorobenzene
Concen: 129.154 ug/l
RT: 11.710 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074457.D
Acq: 15 Sep 2022 12:12

Tgt Ion:112 Resp: 188086

Ion	Ratio	Lower	Upper
112	100		
114	32.4	25.4	38.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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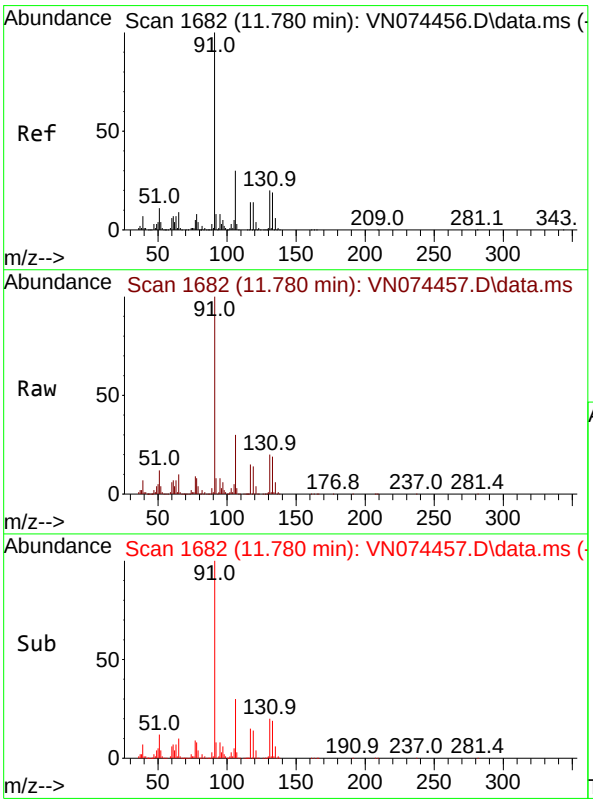
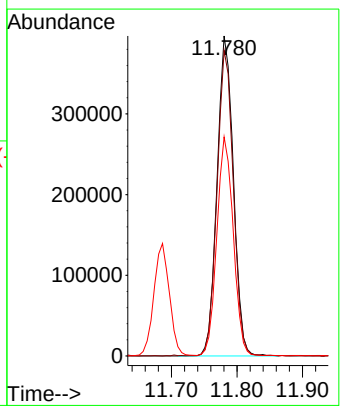
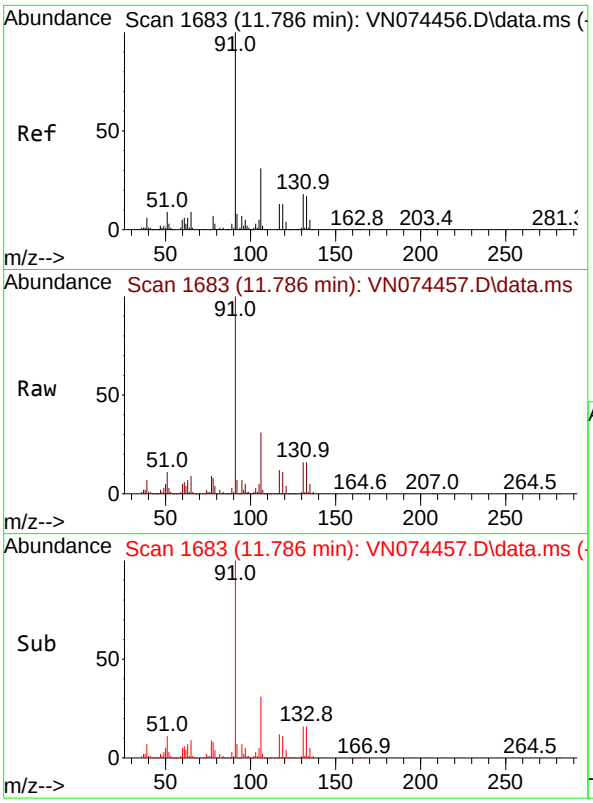


#66
1,1,1,2-Tetrachloroethane
Concen: 124.557 ug/l
RT: 11.780 min Scan# 1682
Delta R.T. 0.000 min
Lab File: VN074457.D
Acq: 15 Sep 2022 12:12

Tgt Ion:131 Resp: 684683

Ion	Ratio	Lower	Upper
131	100		
133	95.1	47.8	143.4
119	68.8	33.4	100.2





#67
Ethyl Benzene
Concen: 140.081 ug/l
RT: 11.786 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074457.D
Acq: 15 Sep 2022 12:12

Tgt Ion: 91 Resp: 362968

Ion	Ratio	Lower	Upper
91	100		
106	30.8	24.9	37.3

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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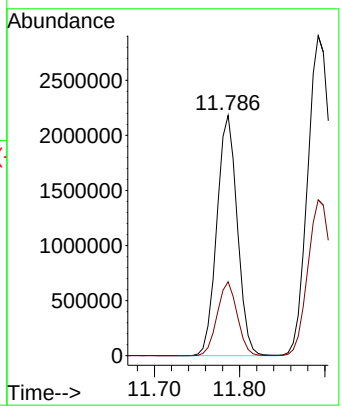
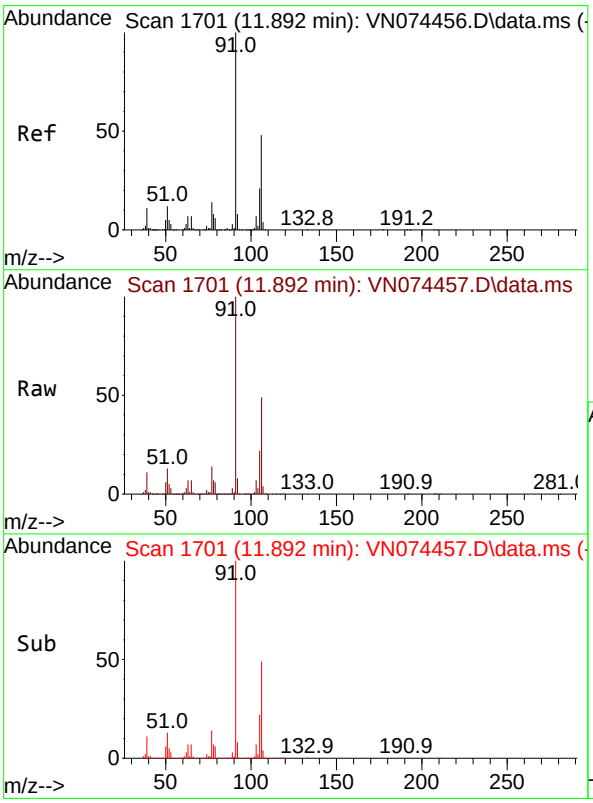
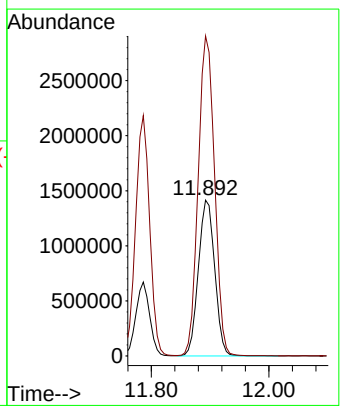


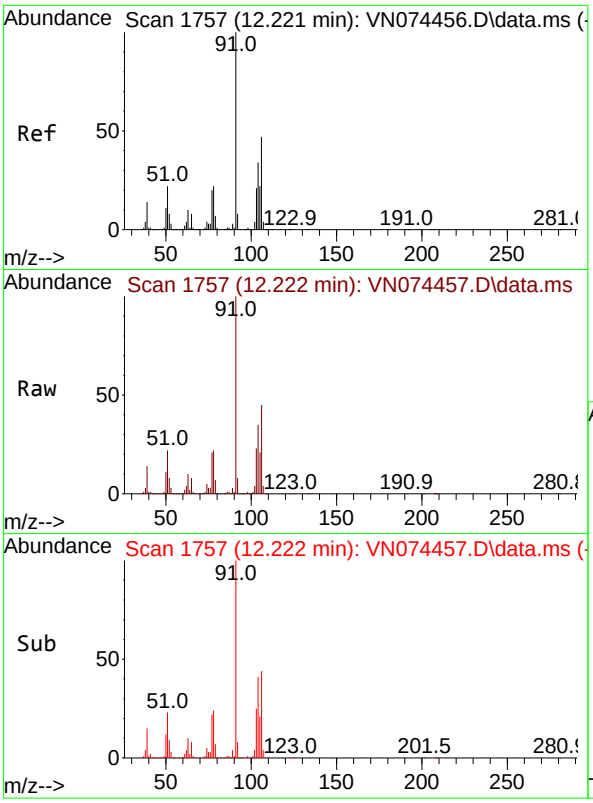


#68
m/p-Xylenes
Concen: 269.573 ug/l
RT: 11.892 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN074457.D
Acq: 15 Sep 2022 12:12

Tgt Ion:106 Resp: 2726895

Ion	Ratio	Lower	Upper
106	100		
91	205.6	158.9	238.3

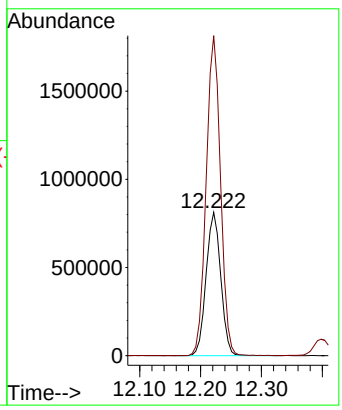




#69
o-Xylene
Concen: 133.664 ug/l
RT: 12.222 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074457.D
Acq: 15 Sep 2022 12:12

Tgt Ion:106 Resp: 135472

Ion	Ratio	Lower	Upper
106	100		
91	218.8	106.0	318.0



Instrument :
MSVOA_N
ClientSampleId :
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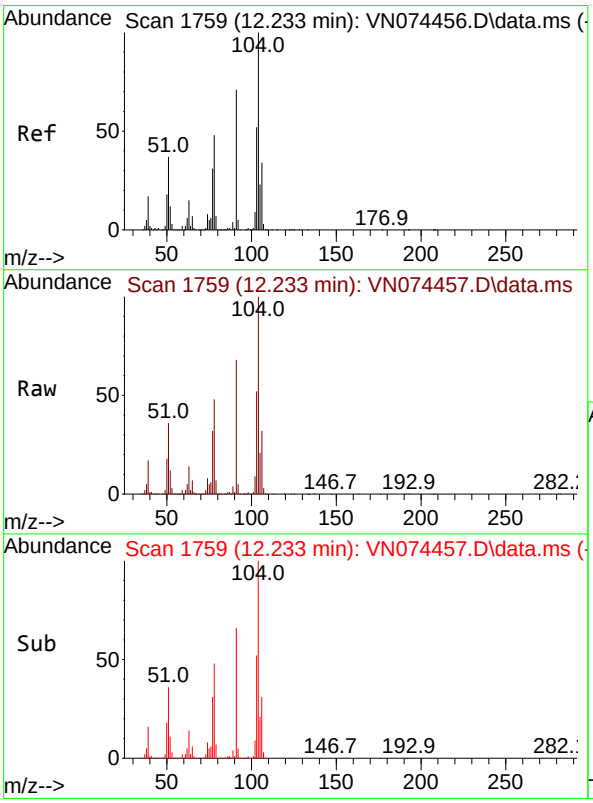
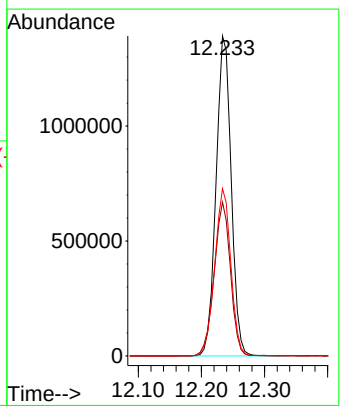
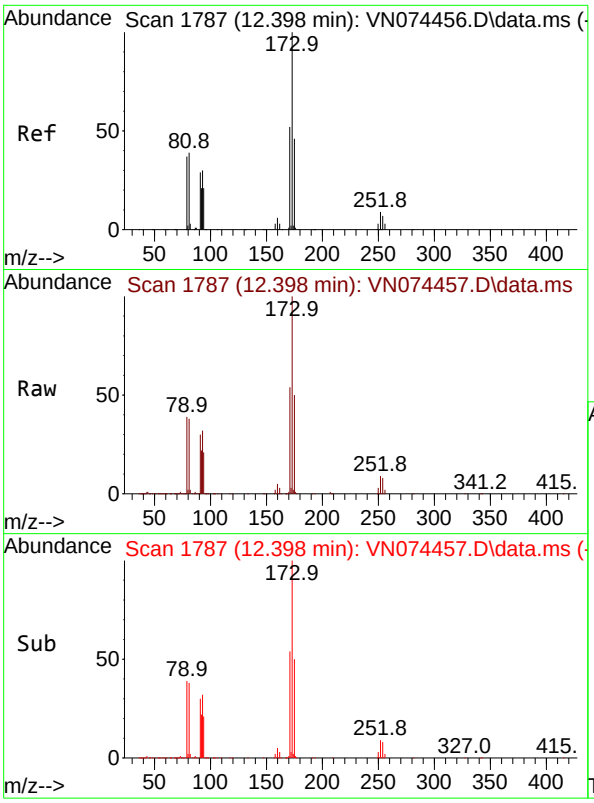


#70
Styrene
Concen: 142.279 ug/l
RT: 12.233 min Scan# 1759
Delta R.T. 0.000 min
Lab File: VN074457.D
Acq: 15 Sep 2022 12:12

Tgt Ion:104 Resp: 2323092

Ion	Ratio	Lower	Upper
104	100		
78	51.5	39.5	59.3
103	55.8	44.0	66.0

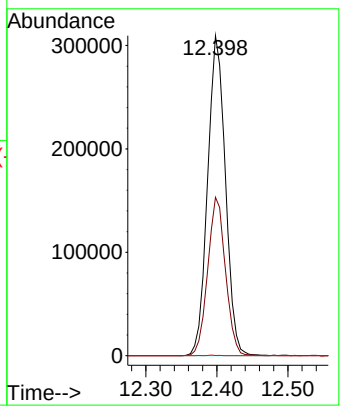




#71
Bromoform
Concen: 131.113 ug/l
RT: 12.398 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074457.D
Acq: 15 Sep 2022 12:12

Tgt Ion:173 Resp: 54039

Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.6	73.6
254	0.1	0.1	0.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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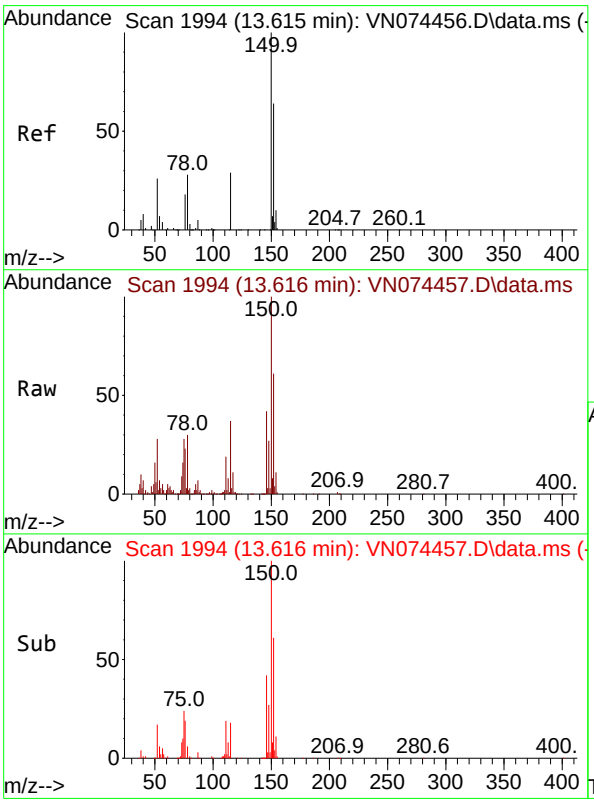
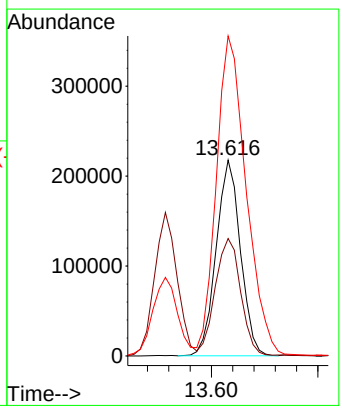
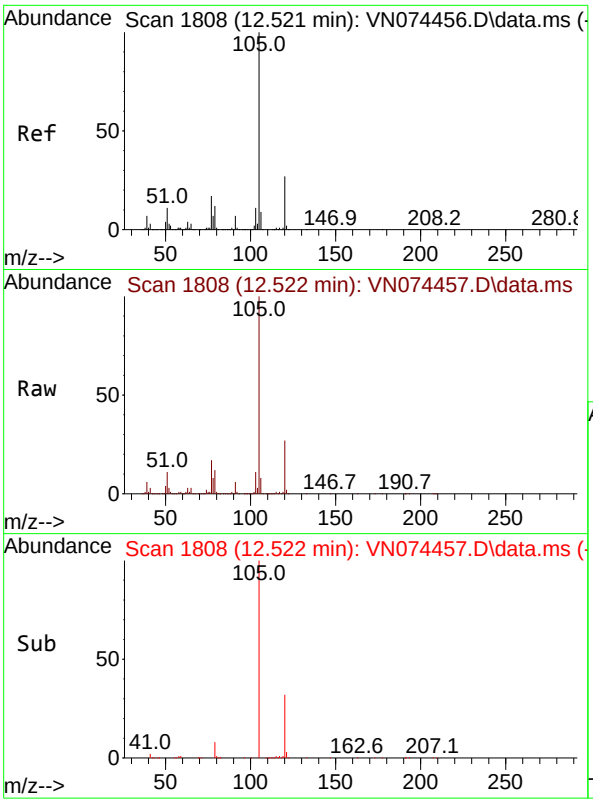


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VN074457.D
Acq: 15 Sep 2022 12:12

Tgt Ion:152 Resp: 343468

Ion	Ratio	Lower	Upper
152	100		
115	62.9	28.9	86.7
150	202.2	0.0	356.2

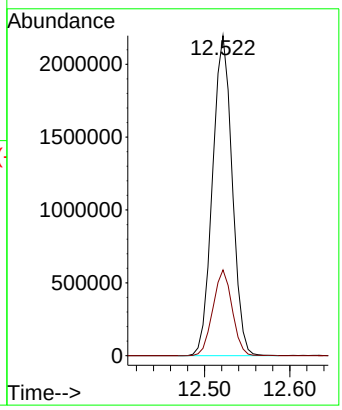




#73
Isopropylbenzene
Concen: 128.239 ug/l
RT: 12.522 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074457.D
Acq: 15 Sep 2022 12:12

Tgt Ion:105 Resp: 351634

Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.5	40.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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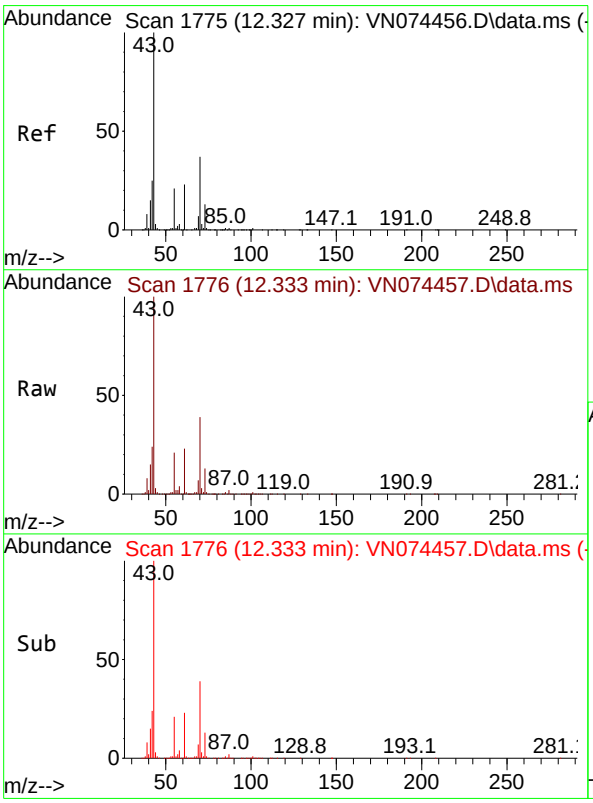
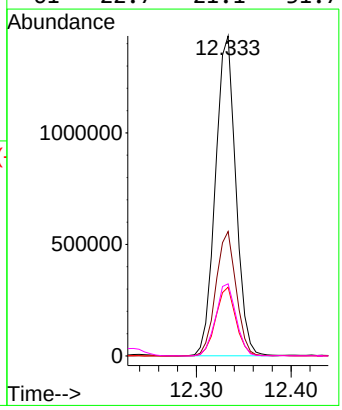
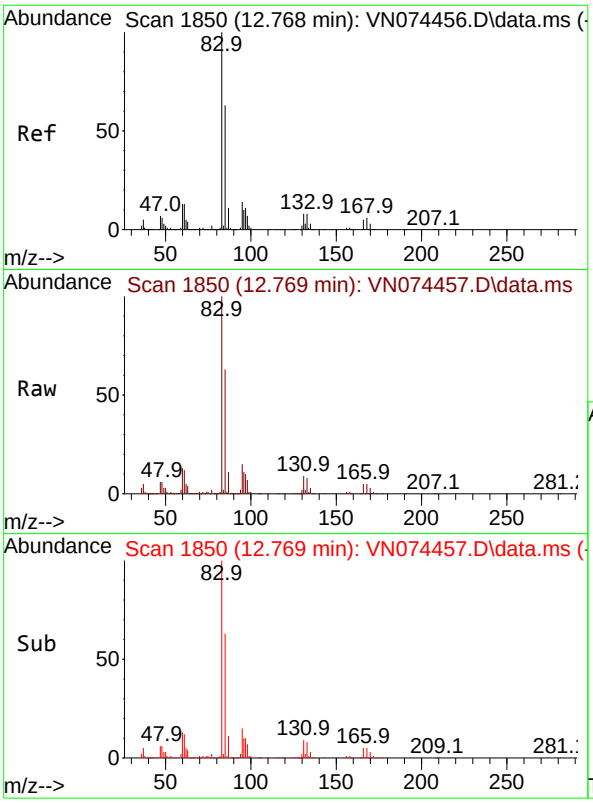


#74
N-amyl acetate
Concen: 146.504 ug/l
RT: 12.333 min Scan# 1776
Delta R.T. 0.006 min
Lab File: VN074457.D
Acq: 15 Sep 2022 12:12

Tgt Ion: 43 Resp: 2145093

Ion	Ratio	Lower	Upper
43	100		
70	38.9	39.0	58.4#
55	21.3	21.1	31.7
61	22.7	21.1	31.7

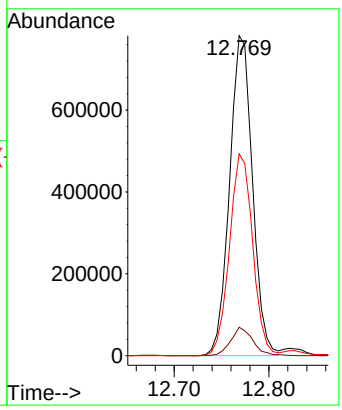




#75
1,1,2,2-Tetrachloroethane
Concen: 131.325 ug/l
RT: 12.769 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074457.D
Acq: 15 Sep 2022 12:12

Tgt Ion: 83 Resp: 131519

Ion	Ratio	Lower	Upper
83	100		
131	8.6	5.3	15.9
85	63.9	32.3	96.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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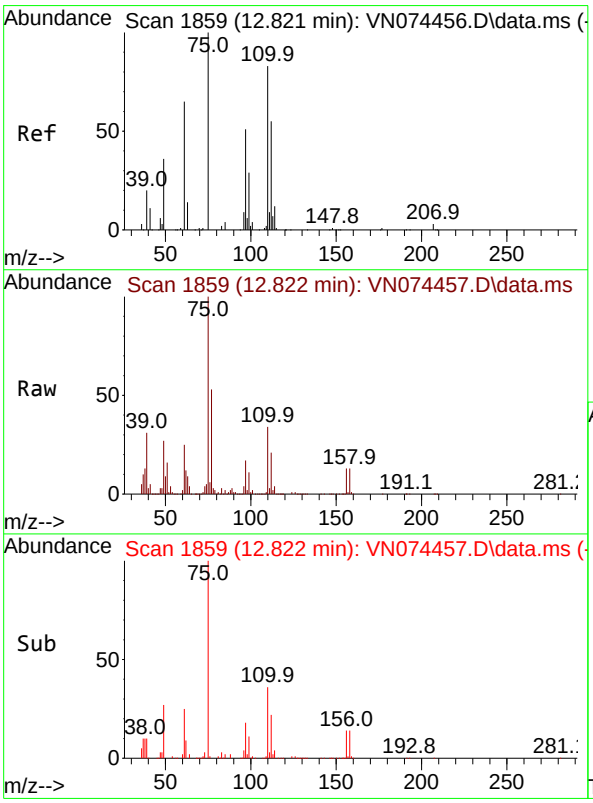
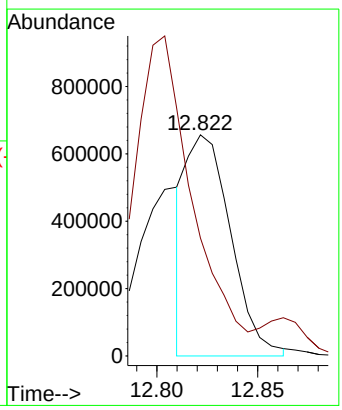
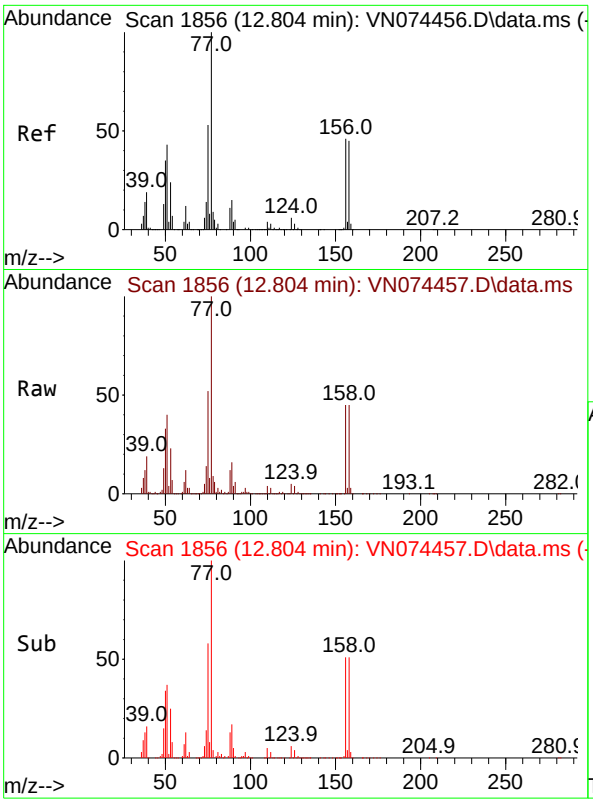


#76
1,2,3-Trichloropropane
Concen: 117.539 ug/l m
RT: 12.822 min Scan# 1859
Delta R.T. 0.000 min
Lab File: VN074457.D
Acq: 15 Sep 2022 12:12

Tgt Ion: 75 Resp: 1013127

Ion	Ratio	Lower	Upper
75	100		
77	188.8	98.5	295.5

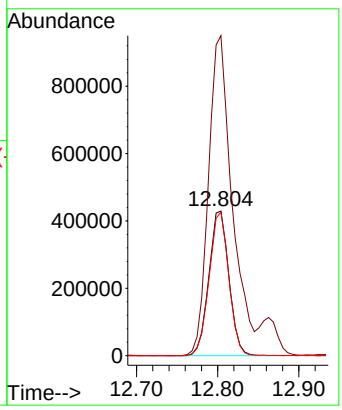




#77
Bromobenzene
Concen: 115.034 ug/l
RT: 12.804 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074457.D
Acq: 15 Sep 2022 12:12

Tgt Ion:156 Resp: 73613

Ion	Ratio	Lower	Upper
156	100		
77	259.9	100.5	301.5
158	97.4	48.9	146.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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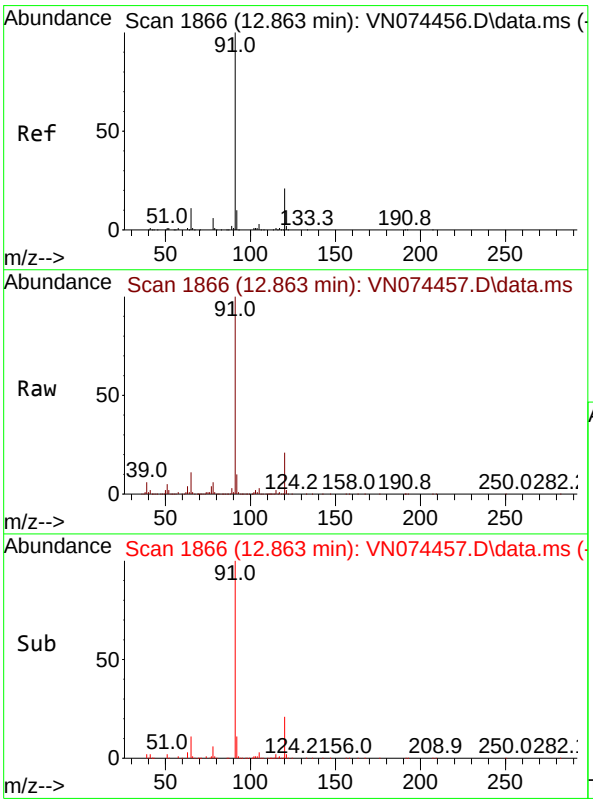
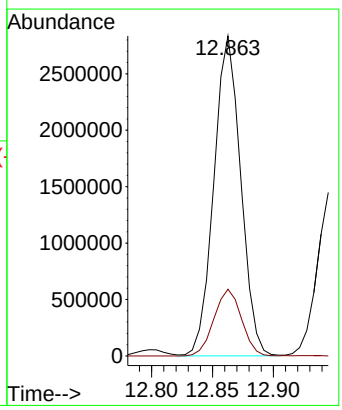
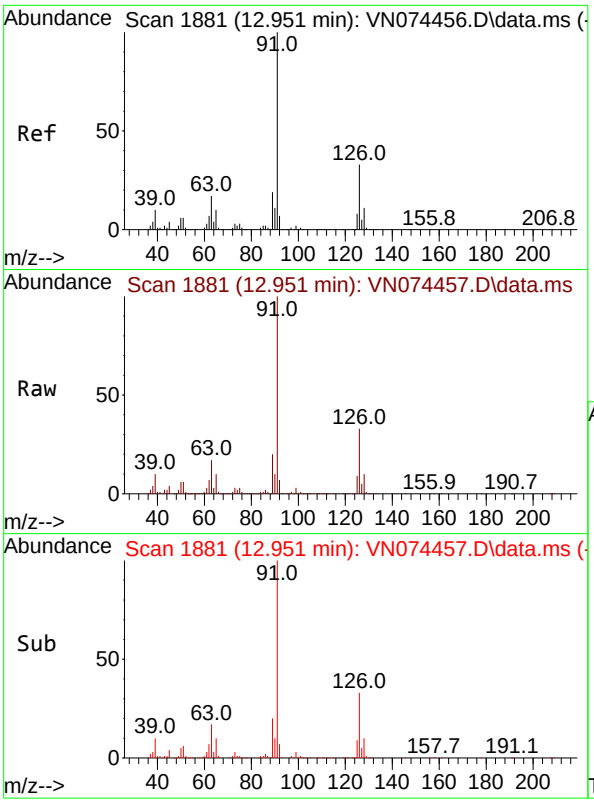


#78
n-propylbenzene
Concen: 142.182 ug/l
RT: 12.863 min Scan# 1866
Delta R.T. 0.000 min
Lab File: VN074457.D
Acq: 15 Sep 2022 12:12

Tgt Ion: 91 Resp: 4356190

Ion	Ratio	Lower	Upper
91	100		
120	21.3	11.9	35.5

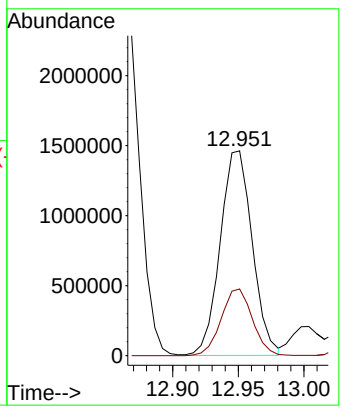




#79
2-Chlorotoluene
Concen: 127.529 ug/l
RT: 12.951 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074457.D
Acq: 15 Sep 2022 12:12

Tgt Ion: 91 Resp: 249351

Ion	Ratio	Lower	Upper
91	100		
126	31.8	17.3	51.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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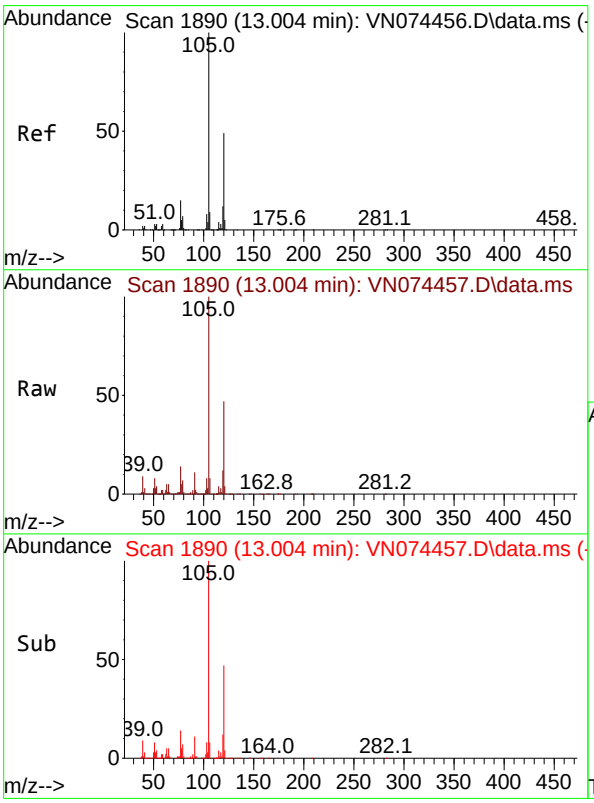
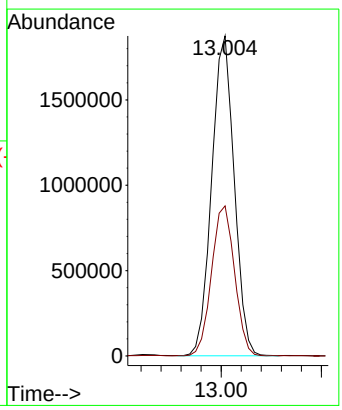
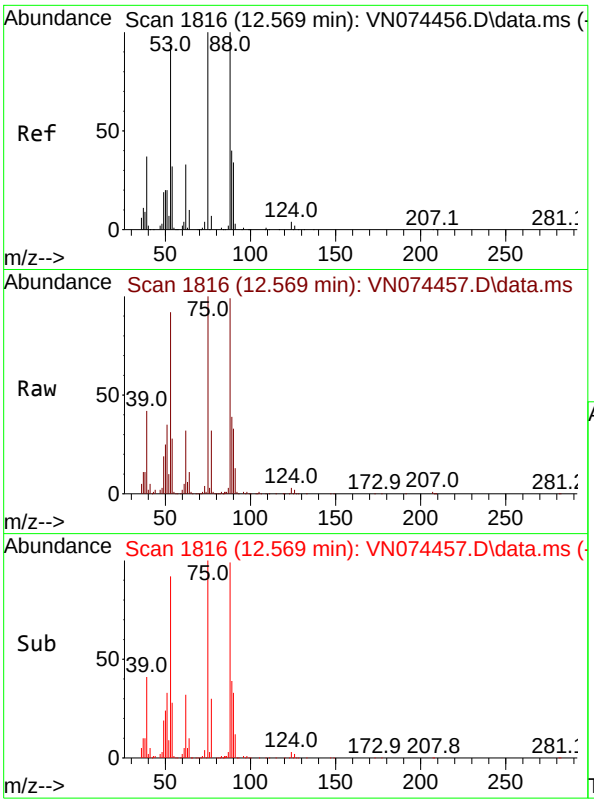


#80
1,3,5-Trimethylbenzene
Concen: 129.720 ug/l
RT: 13.004 min Scan# 1890
Delta R.T. 0.000 min
Lab File: VN074457.D
Acq: 15 Sep 2022 12:12

Tgt Ion:105 Resp: 2918144

Ion	Ratio	Lower	Upper
105	100		
120	48.0	24.9	74.7

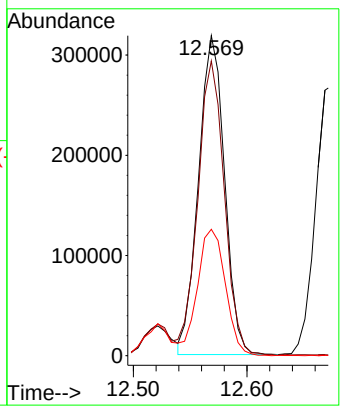




#81
trans-1,4-Dichloro-2-butene
Concen: 152.711 ug/l
RT: 12.569 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074457.D
Acq: 15 Sep 2022 12:12

Tgt Ion: 75 Resp: 50829

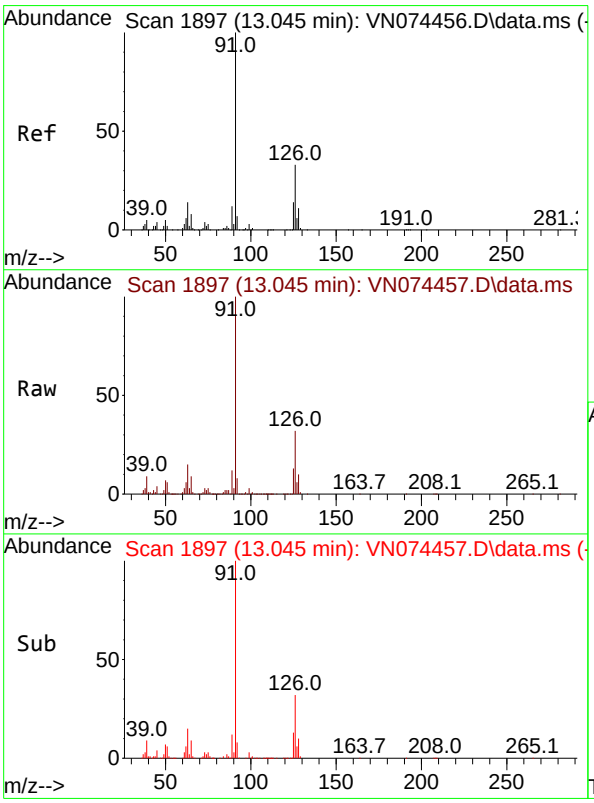
Ion	Ratio	Lower	Upper
75	100		
53	94.8	78.0	117.0
89	42.5	37.2	55.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

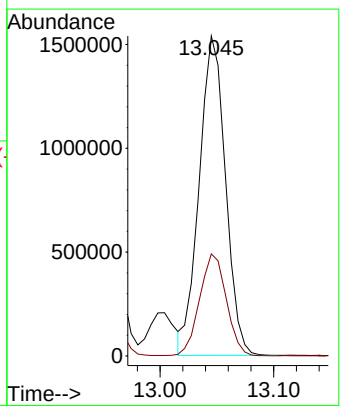
Reviewed By :John Carlone 09/16/2022
Supervised By :Mahesh Dadoda 09/16/2022

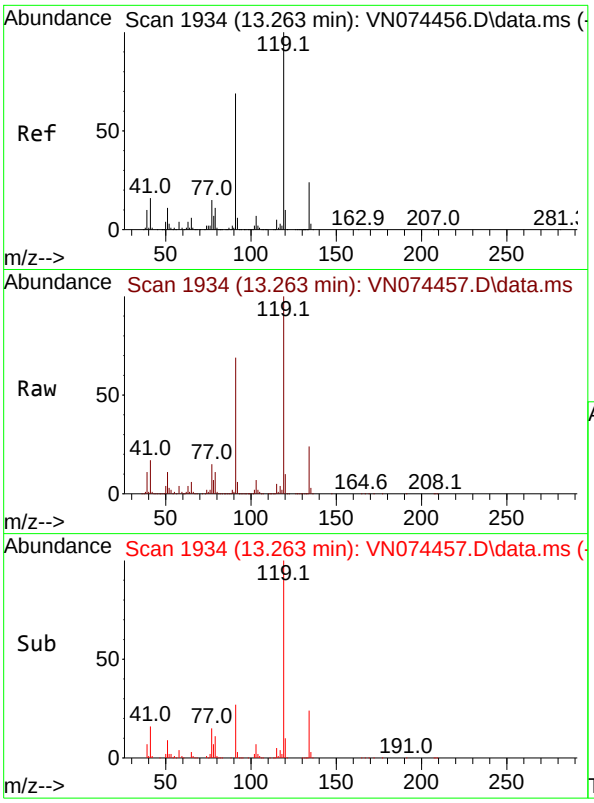


#82
4-Chlorotoluene
Concen: 133.826 ug/l
RT: 13.045 min Scan# 1897
Delta R.T. 0.000 min
Lab File: VN074457.D
Acq: 15 Sep 2022 12:12

Tgt Ion: 91 Resp: 2473187

Ion	Ratio	Lower	Upper
91	100		
126	32.6	17.2	51.6

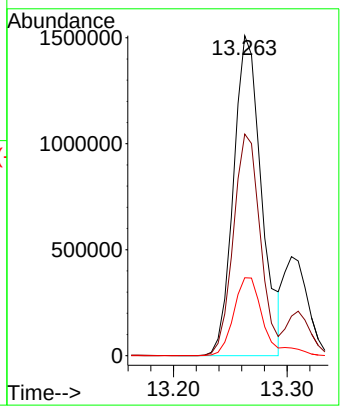




#83
tert-Butylbenzene
Concen: 125.921 ug/l
RT: 13.263 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074457.D
Acq: 15 Sep 2022 12:12

Tgt Ion:119 Resp: 258237

Ion	Ratio	Lower	Upper
119	100		
91	66.8	31.6	94.8
134	26.0	13.7	41.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

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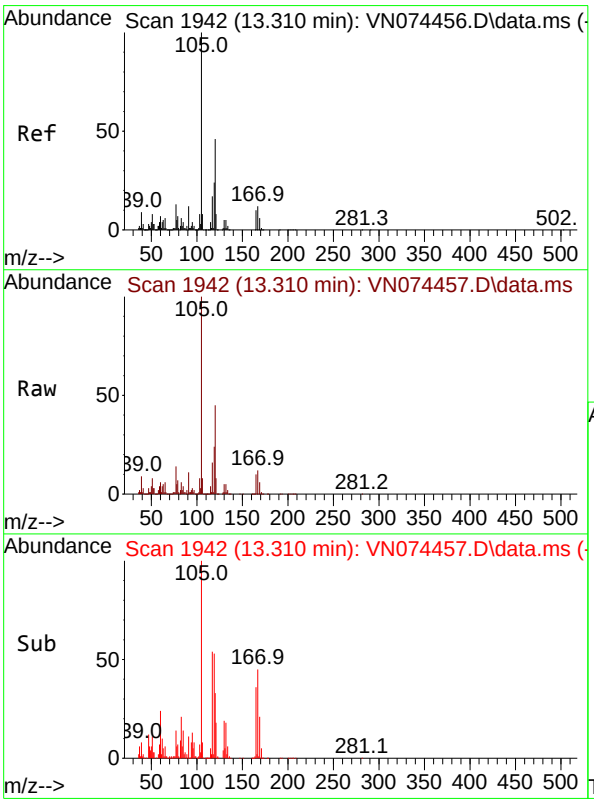
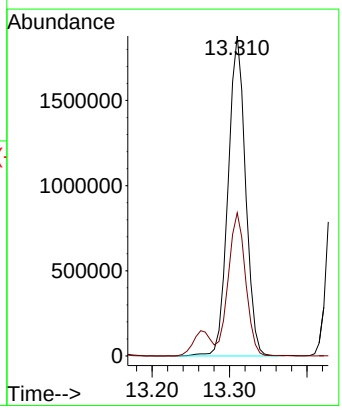
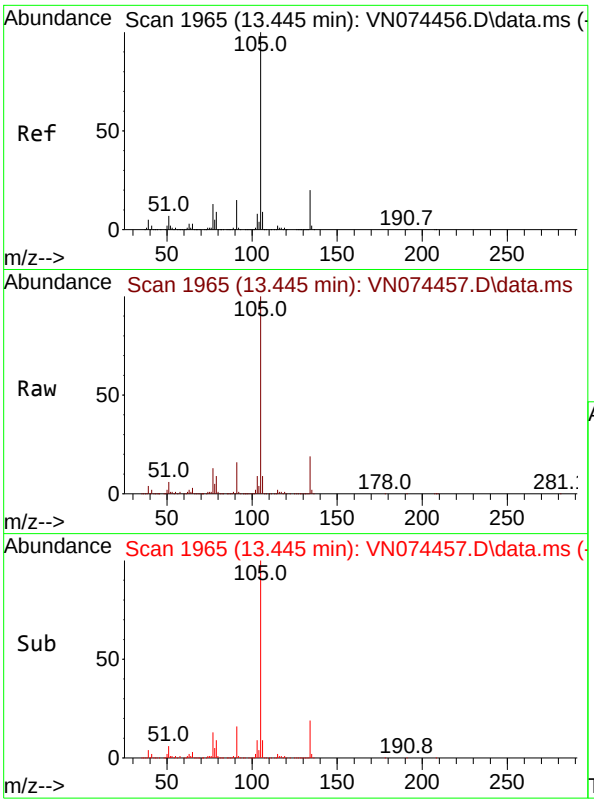


#84
1,2,4-Trimethylbenzene
Concen: 130.990 ug/l
RT: 13.310 min Scan# 1942
Delta R.T. 0.000 min
Lab File: VN074457.D
Acq: 15 Sep 2022 12:12

Tgt Ion:105 Resp: 2938303

Ion	Ratio	Lower	Upper
105	100		
120	44.5	23.3	69.8

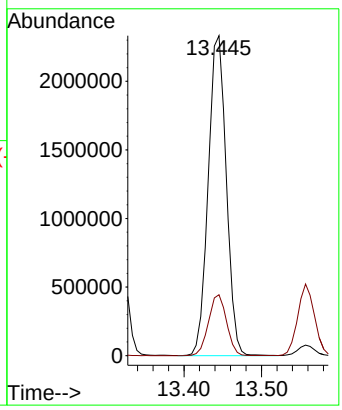




#85
sec-Butylbenzene
Concen: 136.284 ug/l
RT: 13.445 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074457.D
Acq: 15 Sep 2022 12:12

Tgt Ion:105 Resp: 377284

Ion	Ratio	Lower	Upper
105	100		
134	19.1	10.4	31.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
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Reviewed By :John Carlone 09/16/2022
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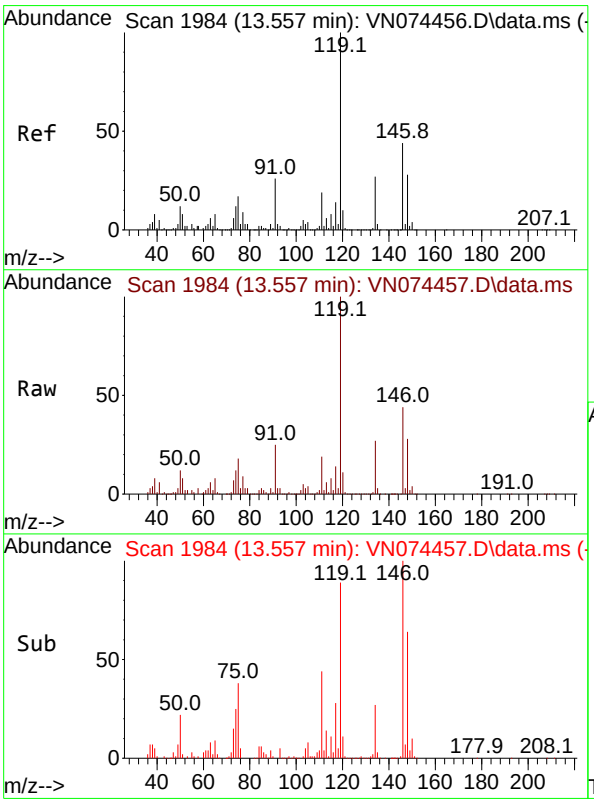
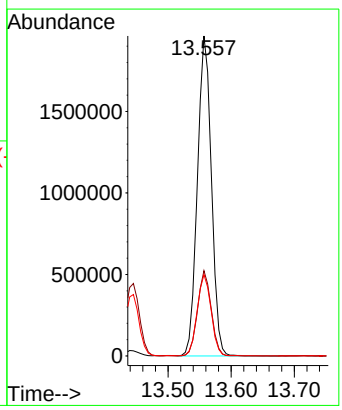
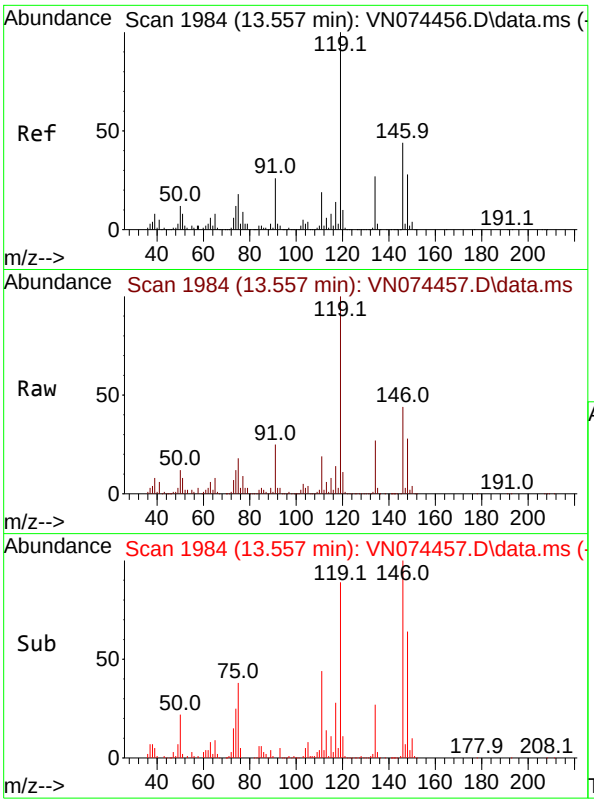


#86
p-Isopropyltoluene
Concen: 135.586 ug/l
RT: 13.557 min Scan# 1984
Delta R.T. 0.000 min
Lab File: VN074457.D
Acq: 15 Sep 2022 12:12

Tgt Ion:119 Resp: 3017252

Ion	Ratio	Lower	Upper
119	100		
134	26.0	13.3	39.8
91	25.3	11.3	33.9

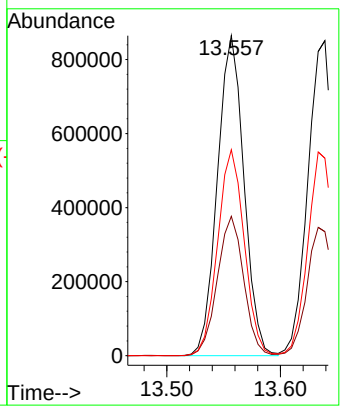




#87
1,3-Dichlorobenzene
Concen: 121.488 ug/l
RT: 13.557 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074457.D
Acq: 15 Sep 2022 12:12

Tgt Ion:146 Resp: 140718

Ion	Ratio	Lower	Upper
146	100		
111	43.0	20.0	60.0
148	64.4	32.0	96.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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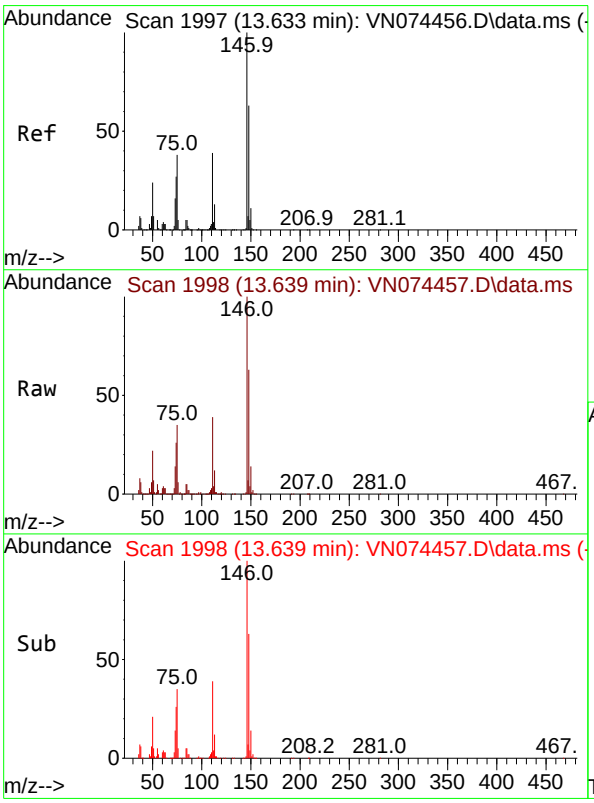
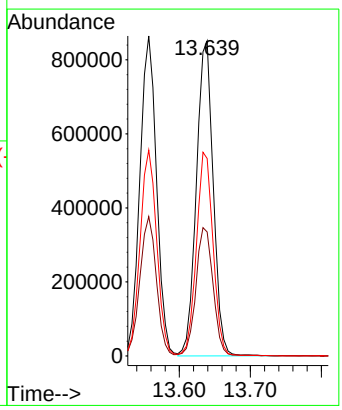
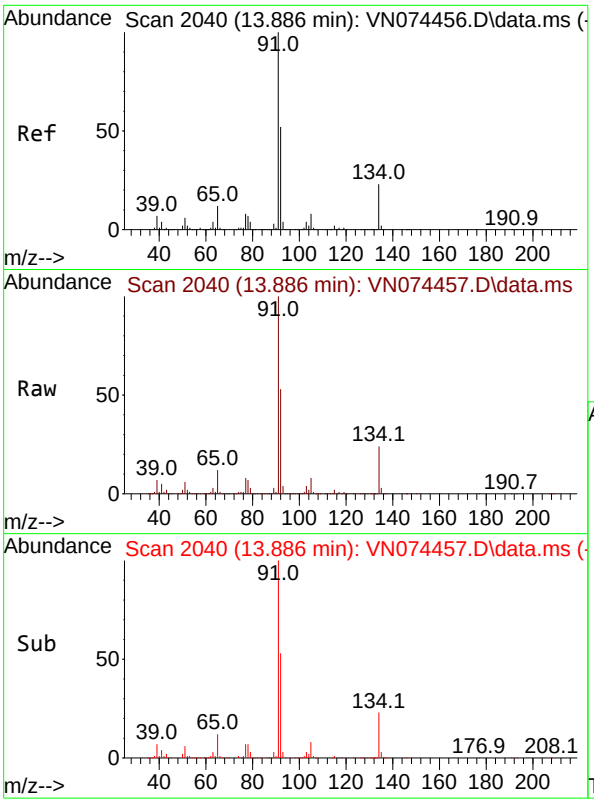


#88
1,4-Dichlorobenzene
Concen: 120.696 ug/l
RT: 13.639 min Scan# 1998
Delta R.T. 0.006 min
Lab File: VN074457.D
Acq: 15 Sep 2022 12:12

Tgt Ion:146 Resp: 1406205

Ion	Ratio	Lower	Upper
146	100		
111	41.7	19.1	57.1
148	63.8	31.4	94.3

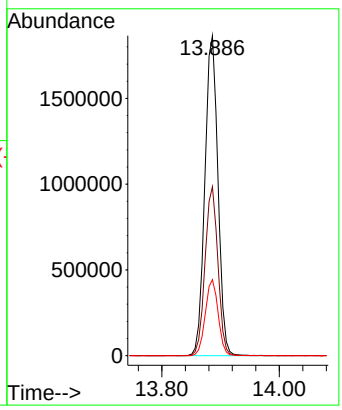




#89
n-Butylbenzene
Concen: 154.913 ug/l
RT: 13.886 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN074457.D
Acq: 15 Sep 2022 12:12

Tgt Ion: 91 Resp: 286944

Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.9	80.7
134	23.4	13.6	40.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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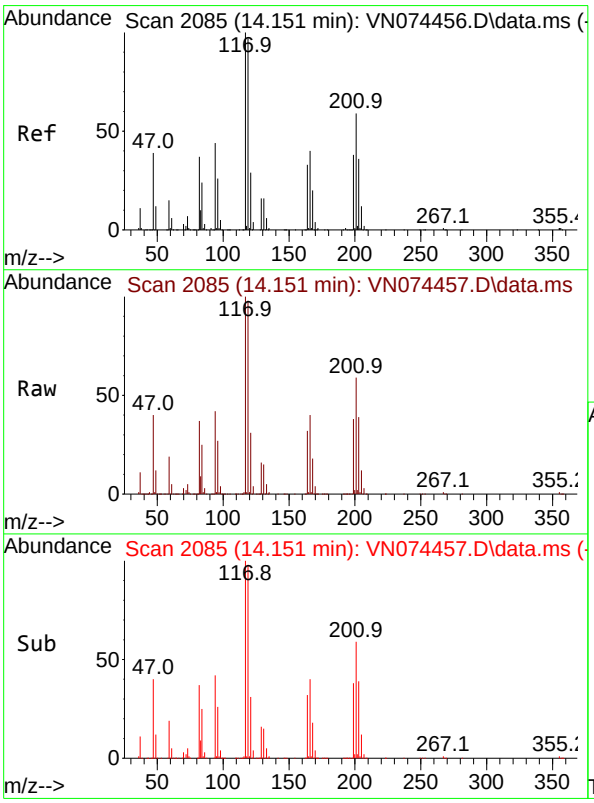
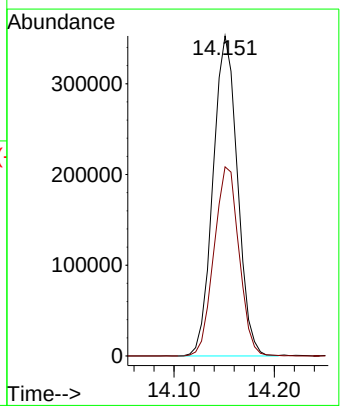
Supervised By :Mahesh Dadoda 09/16/2022

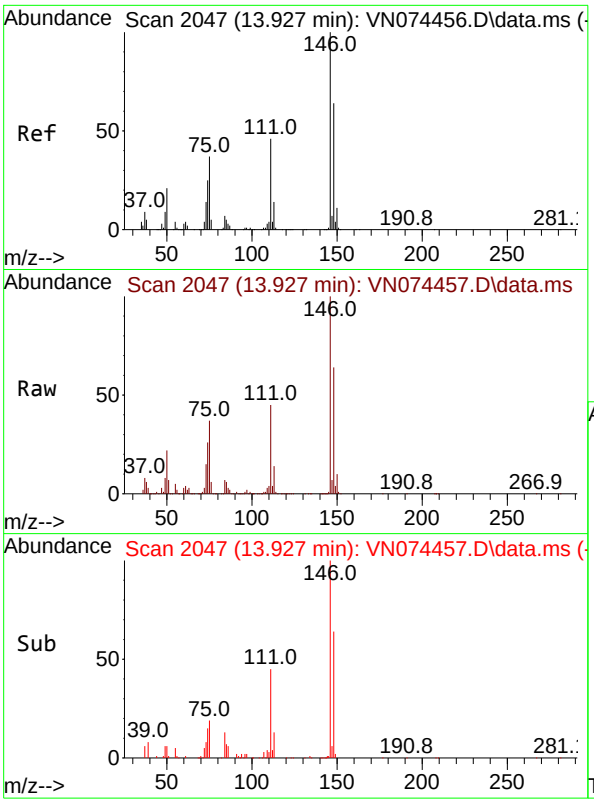


#90
Hexachloroethane
Concen: 139.779 ug/l
RT: 14.151 min Scan# 2085
Delta R.T. 0.000 min
Lab File: VN074457.D
Acq: 15 Sep 2022 12:12

Tgt Ion:117 Resp: 597859

Ion	Ratio	Lower	Upper
117	100		
201	60.5	40.6	122.0

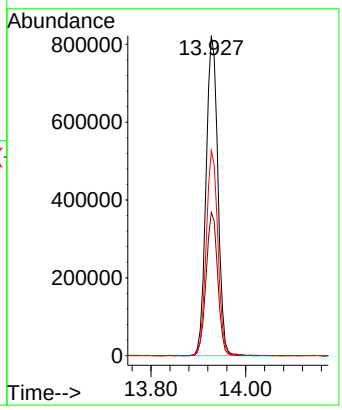




#91
1,2-Dichlorobenzene
Concen: 118.421 ug/l
RT: 13.927 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN074457.D
Acq: 15 Sep 2022 12:12

Tgt Ion:146 Resp: 142187

Ion	Ratio	Lower	Upper
146	100		
111	44.2	20.9	62.8
148	63.2	32.1	96.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

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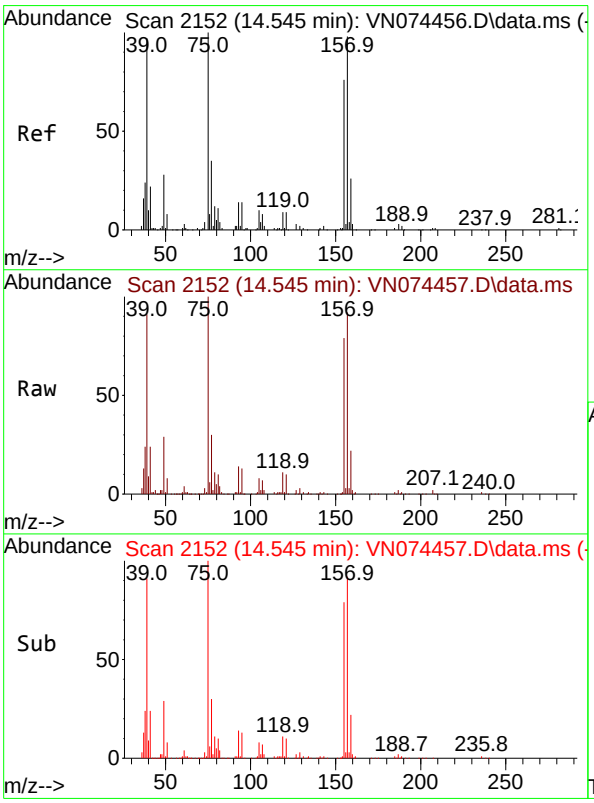
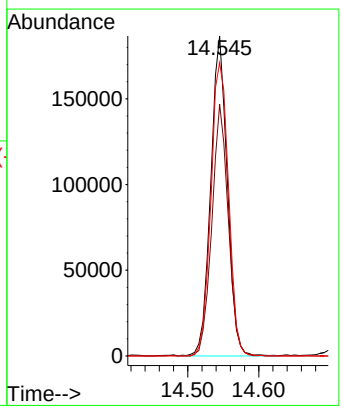
Supervised By :Mahesh Dadoda 09/16/2022

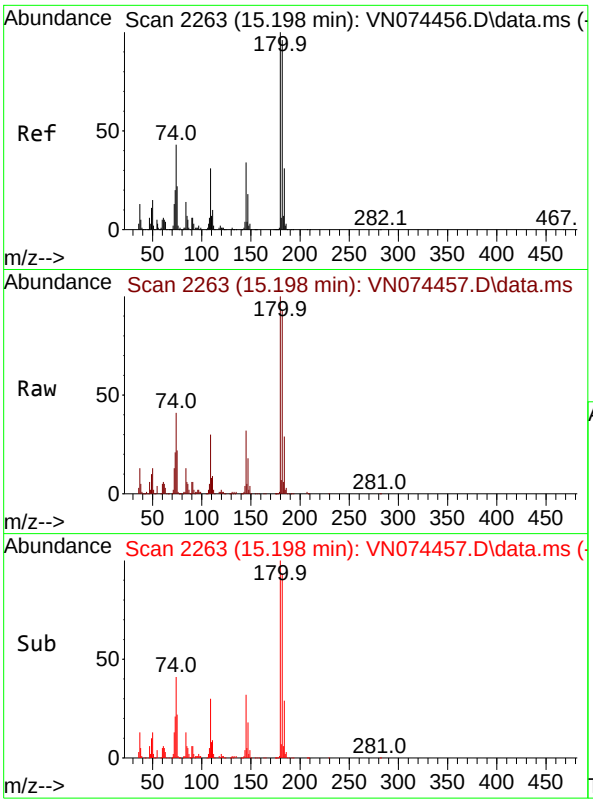


#92
1,2-Dibromo-3-Chloropropane
Concen: 114.658 ug/l
RT: 14.545 min Scan# 2152
Delta R.T. 0.000 min
Lab File: VN074457.D
Acq: 15 Sep 2022 12:12

Tgt Ion: 75 Resp: 301898

Ion	Ratio	Lower	Upper
75	100		
155	77.8	44.9	134.5
157	97.4	59.0	176.8

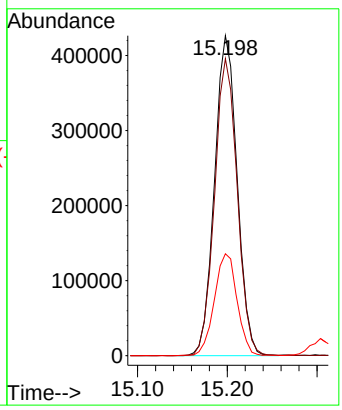




#93
1,2,4-Trichlorobenzene
Concen: 114.917 ug/l
RT: 15.198 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN074457.D
Acq: 15 Sep 2022 12:12

Tgt Ion:180 Resp: 74562

Ion	Ratio	Lower	Upper
180	100		
182	93.2	47.5	142.5
145	32.2	14.5	43.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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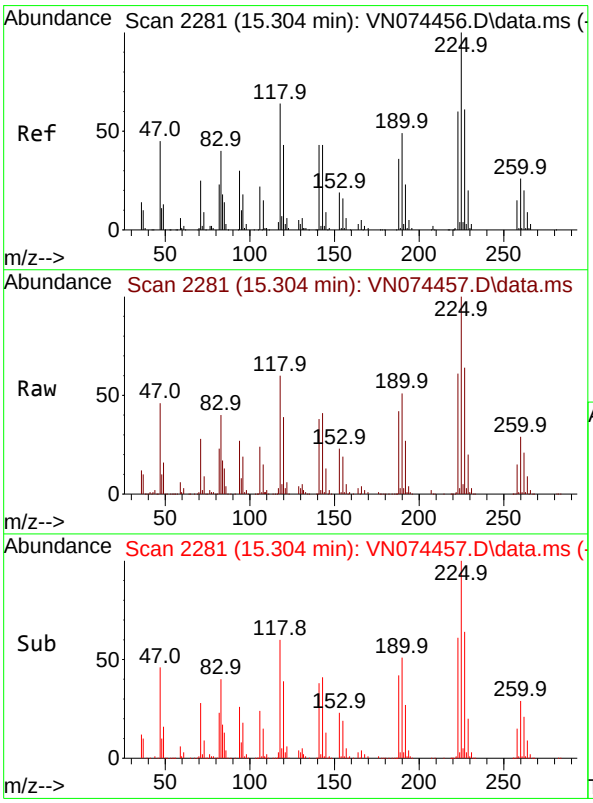
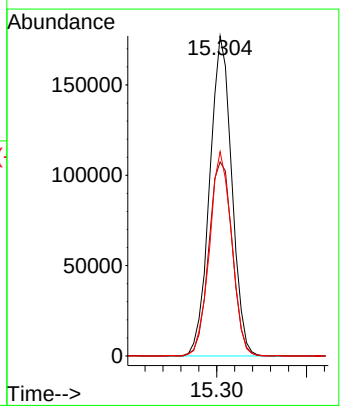
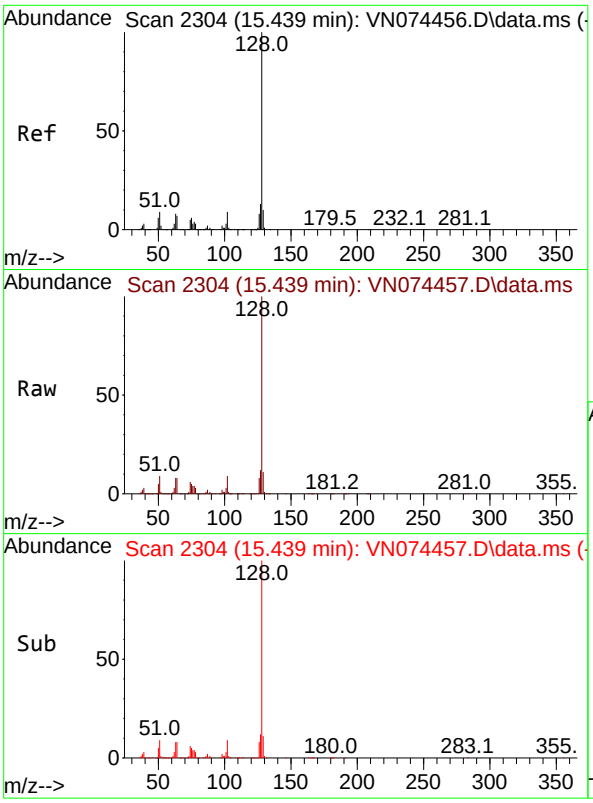


#94
Hexachlorobutadiene
Concen: 107.492 ug/l
RT: 15.304 min Scan# 2281
Delta R.T. 0.000 min
Lab File: VN074457.D
Acq: 15 Sep 2022 12:12

Tgt Ion:225 Resp: 302110

Ion	Ratio	Lower	Upper
225	100		
223	64.4	32.4	97.2
227	64.1	31.8	95.4

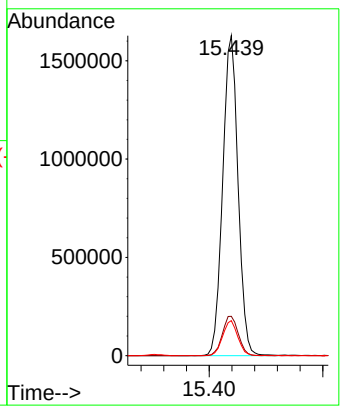




#95
Naphthalene
Concen: 114.737 ug/l
RT: 15.439 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN074457.D
Acq: 15 Sep 2022 12:12

Tgt Ion:128 Resp: 306099

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	10.8	8.6	13.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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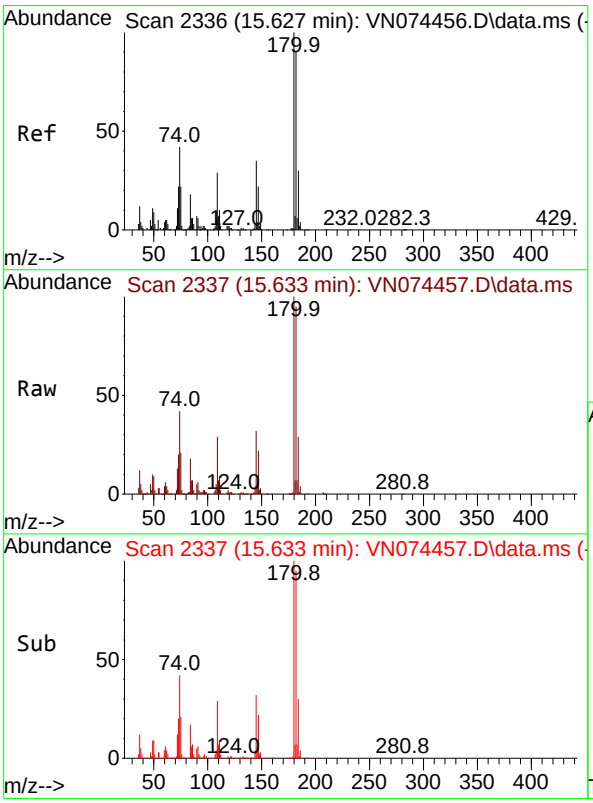
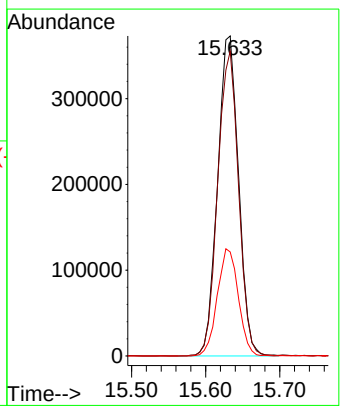


#96
1,2,3-Trichlorobenzene
Concen: 105.326 ug/l
RT: 15.633 min Scan# 2337
Delta R.T. 0.006 min
Lab File: VN074457.D
Acq: 15 Sep 2022 12:12

Tgt Ion:180 Resp: 732286

Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.8	143.3
145	33.6	15.5	46.5



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091522\
Data File : VN074459.D
Acq On : 15 Sep 2022 13:26
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 15 19:08:19 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 15 19:05:53 2022
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED
Reviewed By :John Carlone 09/16/2022
Supervised By :Mahesh Dadoda 09/16/2022

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	8.016	168	456386	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	8.898	114	880360	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.686	117	752403	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	285751	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	0.000	65	0d	0.000	ug/l		
Spiked Amount 50.000	Range 74 - 125		Recovery =	0.000%#			
35) Dibromofluoromethane	0.000	113	0d	0.000	ug/l		
Spiked Amount 50.000	Range 75 - 124		Recovery =	0.000%#			
50) Toluene-d8	0.000	98	0d	0.000	ug/l		
Spiked Amount 50.000	Range 86 - 113		Recovery =	0.000%#			
62) 4-Bromofluorobenzene	0.000	95	0d	0.000	ug/l		
Spiked Amount 50.000	Range 83 - 123		Recovery =	0.000%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.046	85	5952	1.387	ug/l		95
3) Chloromethane	2.263	50	13043	2.415	ug/l		95
4) Vinyl Chloride	2.404	62	10231	2.268	ug/l	#	43
7) Trichlorofluoromethane	3.316	101	11245	1.653	ug/l	#	77
8) Diethyl Ether	3.757	74	6119	1.771	ug/l	#	45
9) 1,1,2-Trichlorotrifluo...	4.145	101	6588	1.447	ug/l	#	88
12) 1,1-Dichloroethene	4.116	96	9246	2.041	ug/l	#	81
14) Allyl chloride	4.757	41	16367	1.650	ug/l		91
15) Acrylonitrile	5.469	53	29890	7.630	ug/l		97
16) Acetone	4.228	43	31497	8.862	ug/l	#	75
17) Carbon Disulfide	4.463	76	20510	1.744	ug/l	#	91
18) Methyl Acetate	4.763	43	16479m	1.677	ug/l		
19) Methyl tert-butyl Ether	5.528	73	26186	1.506	ug/l	#	76
20) Methylene Chloride	5.016	84	11810	1.974	ug/l	#	83
21) trans-1,2-Dichloroethene	5.528	96	9543	1.918	ug/l	#	45
22) Diisopropyl ether	6.404	45	29914	1.591	ug/l	#	92
23) Vinyl Acetate	6.351	43	126945	7.348	ug/l	#	86
24) 1,1-Dichloroethane	6.298	63	16073	1.654	ug/l		99
25) 2-Butanone	7.263	43	43915	7.656	ug/l		94
26) 2,2-Dichloropropane	7.245	77	14155	1.633	ug/l		92
27) cis-1,2-Dichloroethene	7.239	96	10491	1.751	ug/l		97
28) Bromochloromethane	7.592	49	7169m	1.910	ug/l		
29) Tetrahydrofuran	7.616	42	28392	7.467	ug/l	#	84
30) Chloroform	7.745	83	12776	1.316	ug/l		92
32) 1,1,1-Trichloroethane	7.945	97	12963	1.536	ug/l	#	52
36) 1,1-Dichloropropene	8.145	75	12469	1.625	ug/l		93
37) Ethyl Acetate	7.339	43	16871	1.365	ug/l	#	85
38) Carbon Tetrachloride	8.128	117	9960	1.259	ug/l	#	85
39) Methylcyclohexane	9.392	83	12242	1.316	ug/l		86
40) Benzene	8.386	78	32725	1.353	ug/l		95
41) Methacrylonitrile	7.557	41	7071	1.210	ug/l	#	81
42) 1,2-Dichloroethane	8.457	62	11429	1.340	ug/l		96
43) Isopropyl Acetate	8.492	43	26062	1.464	ug/l		93
44) Trichloroethene	9.151	130	7867	1.331	ug/l		75
45) 1,2-Dichloropropane	9.422	63	8946	1.428	ug/l		90
46) Dibromomethane	9.510	93	5853	1.408	ug/l	#	74

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091522\
Data File : VN074459.D
Acq On : 15 Sep 2022 13:26
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 15 19:08:19 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 15 19:05:53 2022
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 09/16/2022
Supervised By :Mahesh Dadoda 09/16/2022

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
47) Bromodichloromethane	9.692	83	10451	1.265	ug/l	#	78
48) Methyl methacrylate	9.492	41	12165	1.510	ug/l	#	82
49) 1,4-Dioxane	9.504	88	4635	26.236	ug/l	#	77
51) 4-Methyl-2-Pentanone	10.269	43	79858	6.823	ug/l		89
52) Toluene	10.445	92	17258	1.167	ug/l		90
53) t-1,3-Dichloropropene	10.657	75	12319	1.368	ug/l		91
54) cis-1,3-Dichloropropene	10.133	75	13812	1.406	ug/l		92
55) 1,1,2-Trichloroethane	10.839	97	8800	1.366	ug/l		92
56) Ethyl methacrylate	10.704	69	12842	1.225	ug/l	#	68
57) 1,3-Dichloropropane	10.986	76	14098	1.307	ug/l		94
58) 2-Chloroethyl Vinyl ether	9.980	63	29991	6.489	ug/l		94
59) 2-Hexanone	11.021	43	60400	6.689	ug/l		90
60) Dibromochloromethane	11.174	129	7481	1.240	ug/l		95
61) 1,2-Dibromoethane	11.292	107	7359	1.164	ug/l	#	74
64) Tetrachloroethene	10.916	164	6061	1.320	ug/l	#	72
65) Chlorobenzene	11.710	112	20040	1.329	ug/l		92
66) 1,1,1,2-Tetrachloroethane	11.780	131	7445	1.308	ug/l	#	66
67) Ethyl Benzene	11.786	91	32957	1.228	ug/l		90
68) m/p-Xylenes	11.886	106	24061	2.296	ug/l		87
69) o-Xylene	12.215	106	12988	1.237	ug/l		98
70) Styrene	12.233	104	21433	1.267	ug/l		99
71) Bromoform	12.404	173	4528	1.061	ug/l	#	88
73) Isopropylbenzene	12.521	105	30568	1.340	ug/l		96
74) N-amyl acetate	12.327	43	20663	1.696	ug/l		93
75) 1,1,2,2-Tetrachloroethane	12.768	83	13639	1.637	ug/l		92
76) 1,2,3-Trichloropropane	12.827	75	10176m	1.419	ug/l		
77) Bromobenzene	12.798	156	7052	1.325	ug/l		77
78) n-propylbenzene	12.863	91	36146	1.418	ug/l		90
79) 2-Chlorotoluene	12.951	91	22495	1.383	ug/l		96
80) 1,3,5-Trimethylbenzene	12.998	105	23853	1.275	ug/l		98
82) 4-Chlorotoluene	13.045	91	21809	1.418	ug/l		98
83) tert-Butylbenzene	13.262	119	22707	1.331	ug/l		92
84) 1,2,4-Trimethylbenzene	13.310	105	24504	1.313	ug/l		100
85) sec-Butylbenzene	13.439	105	30062	1.305	ug/l		100
86) p-Isopropyltoluene	13.557	119	22982	1.241	ug/l		98
87) 1,3-Dichlorobenzene	13.557	146	12817	1.330	ug/l		96
88) 1,4-Dichlorobenzene	13.633	146	13786m	1.422	ug/l		
89) n-Butylbenzene	13.880	91	21102	1.369	ug/l		95
90) Hexachloroethane	14.151	117	5628	1.582	ug/l		75
91) 1,2-Dichlorobenzene	13.933	146	13735	1.375	ug/l		92
92) 1,2-Dibromo-3-Chloropr...	14.545	75	2936	1.340	ug/l		80
93) 1,2,4-Trichlorobenzene	15.204	180	6828	1.265	ug/l		90
94) Hexachlorobutadiene	15.309	225	2908	1.244	ug/l		84
95) Naphthalene	15.439	128	30952	1.395	ug/l		99
96) 1,2,3-Trichlorobenzene	15.639	180	7831	1.354	ug/l		96

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

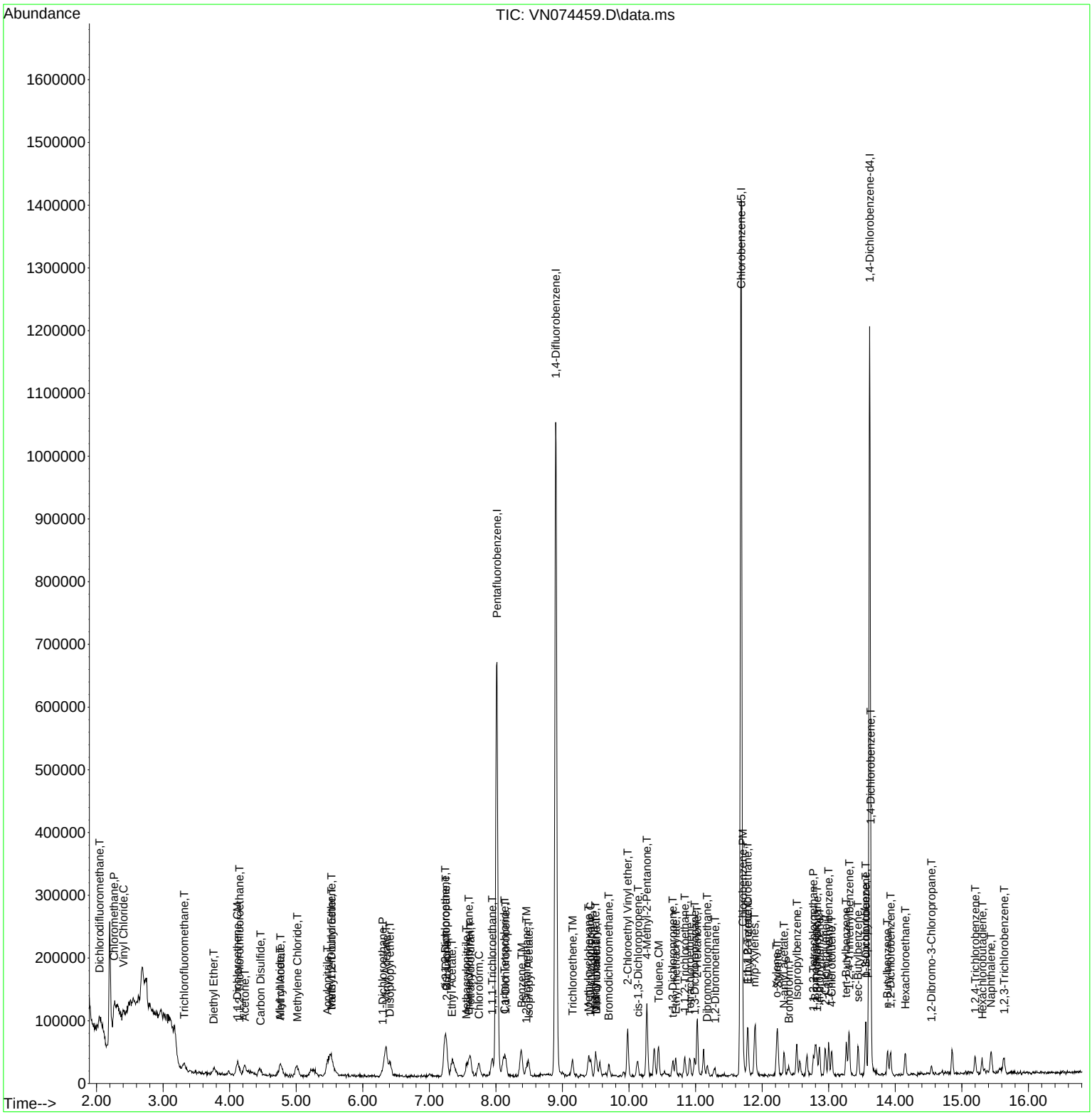
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091522\
Data File : VN074459.D
Acq On : 15 Sep 2022 13:26
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

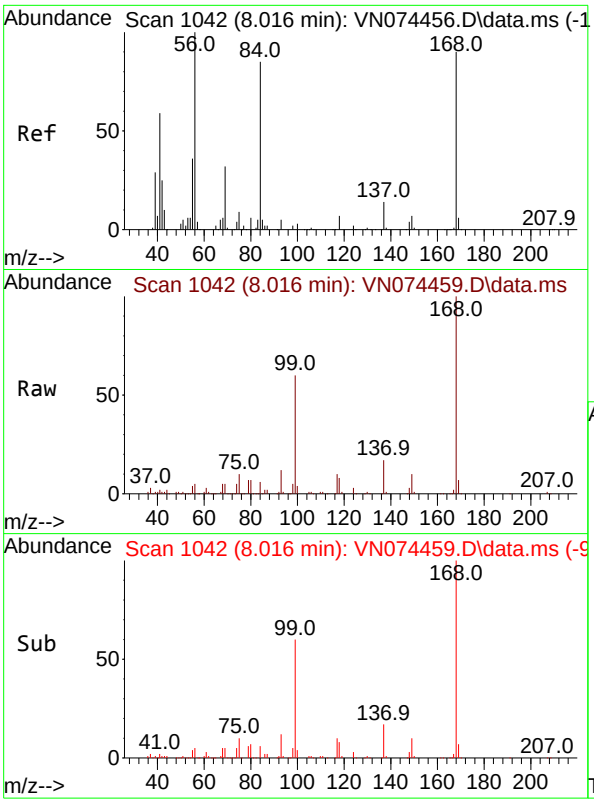
Quant Time: Sep 15 19:08:19 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 15 19:05:53 2022
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 09/16/2022
Supervised By :Mahesh Dadoda 09/16/2022

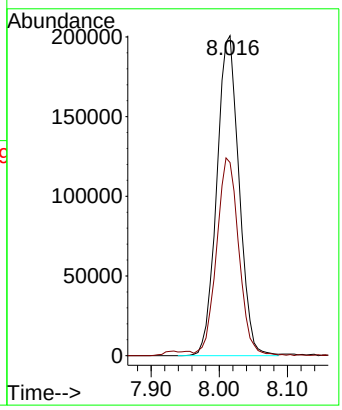




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074459.D
Acq: 15 Sep 2022 13:26

Tgt Ion:168 Resp: 45638

Ion	Ratio	Lower	Upper
168	100		
99	60.1	42.3	63.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
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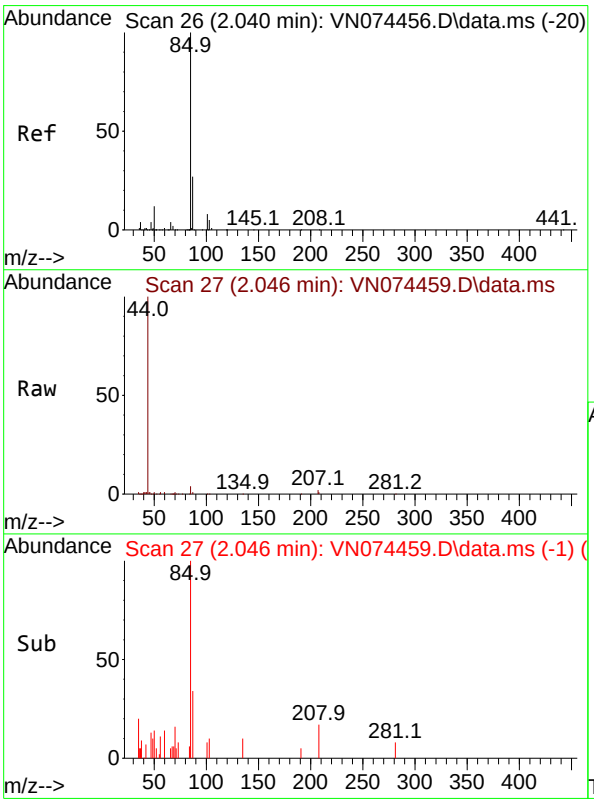
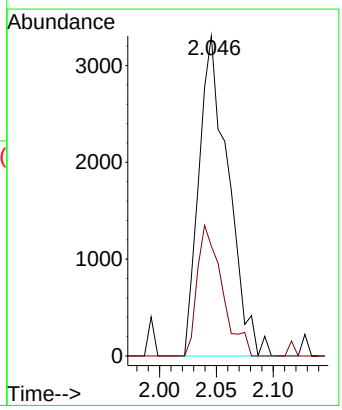
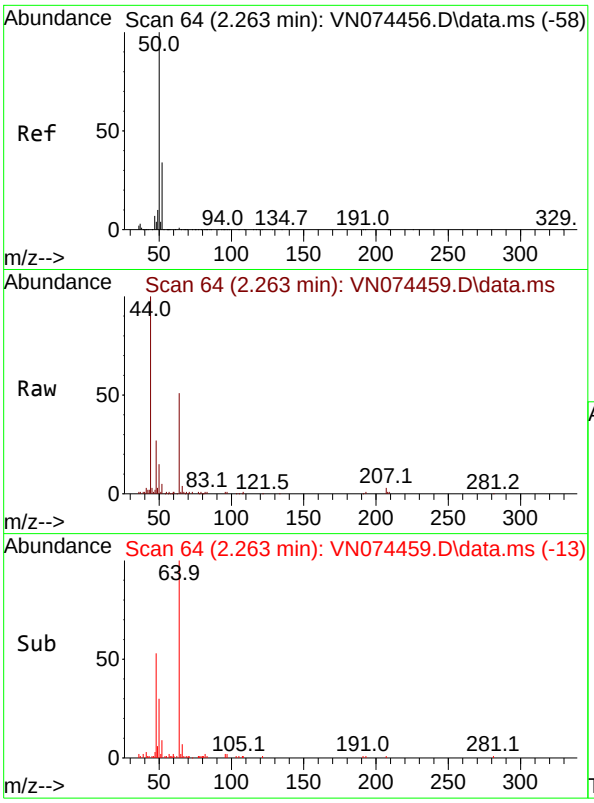


#2
Dichlorodifluoromethane
Concen: 1.387 ug/l
RT: 2.046 min Scan# 27
Delta R.T. 0.006 min
Lab File: VN074459.D
Acq: 15 Sep 2022 13:26

Tgt Ion: 85 Resp: 5952

Ion	Ratio	Lower	Upper
85	100		
87	34.4	15.7	47.1

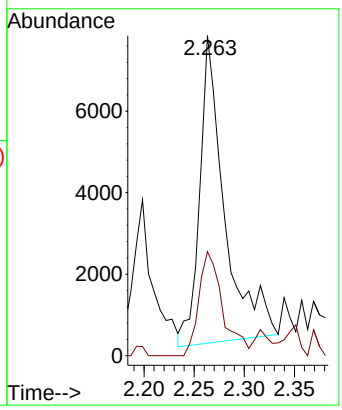




#3
Chloromethane
Concen: 2.415 ug/l
RT: 2.263 min Scan# 64
Delta R.T. -0.000 min
Lab File: VN074459.D
Acq: 15 Sep 2022 13:26

Tgt Ion: 50 Resp: 1304

Ion	Ratio	Lower	Upper
50	100		
52	34.8	25.7	38.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

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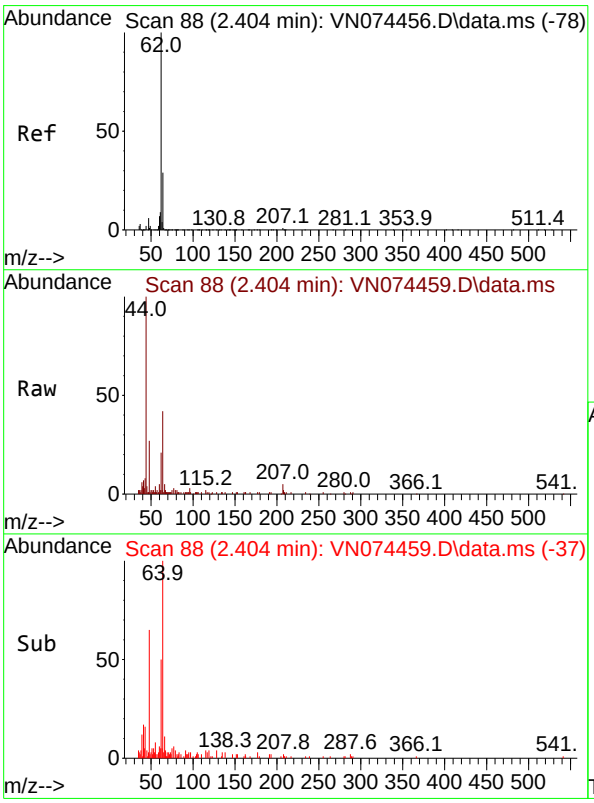
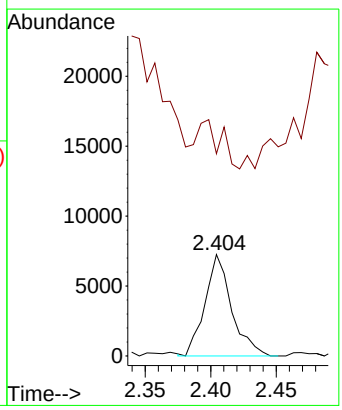
Supervised By :Mahesh Dadoda 09/16/2022

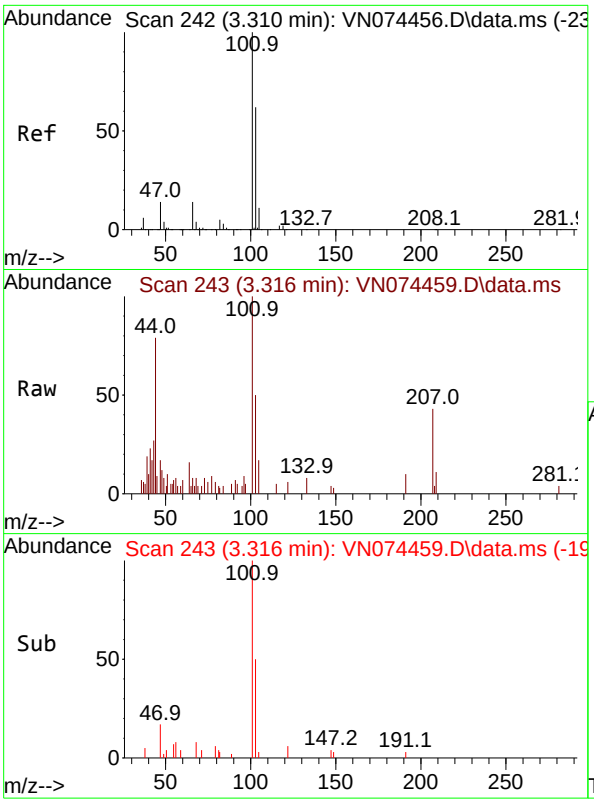


#4
Vinyl Chloride
Concen: 2.268 ug/l
RT: 2.404 min Scan# 88
Delta R.T. -0.000 min
Lab File: VN074459.D
Acq: 15 Sep 2022 13:26

Tgt Ion: 62 Resp: 10231

Ion	Ratio	Lower	Upper
62	100		
64	0.0	25.0	37.4#

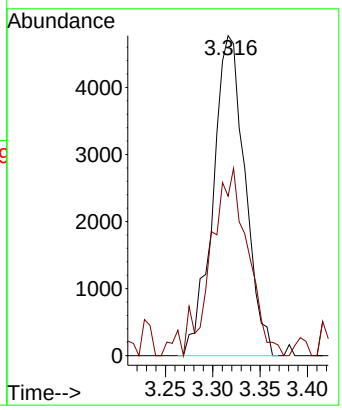




#7
Trichlorofluoromethane
Concen: 1.653 ug/l
RT: 3.316 min Scan# 24
Delta R.T. 0.006 min
Lab File: VN074459.D
Acq: 15 Sep 2022 13:26

Tgt Ion:101 Resp: 1124

Ion	Ratio	Lower	Upper
101	100		
103	46.6	51.5	77.3#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

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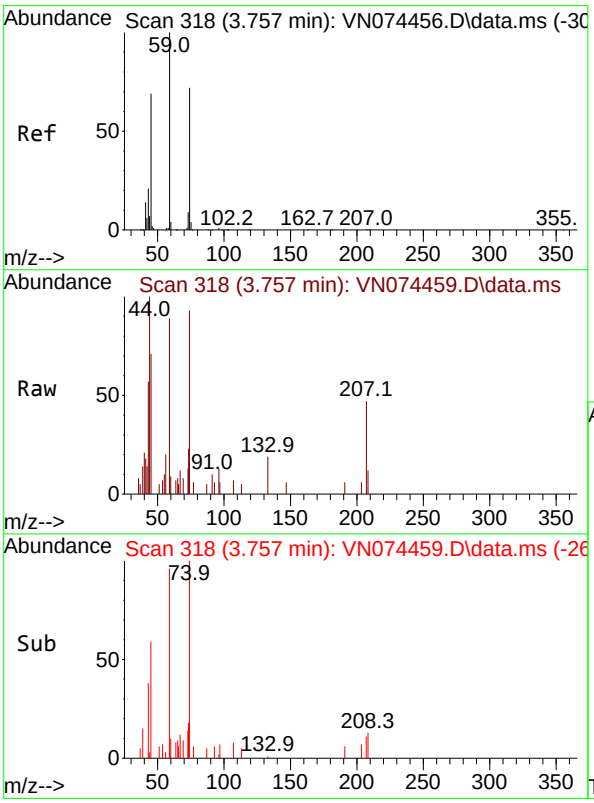
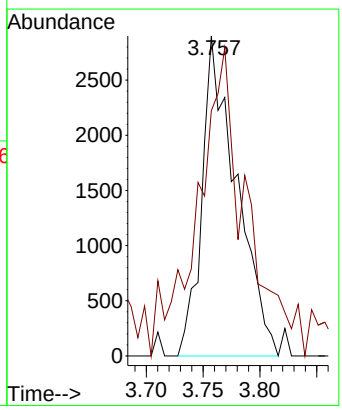
Supervised By :Mahesh Dadoda 09/16/2022

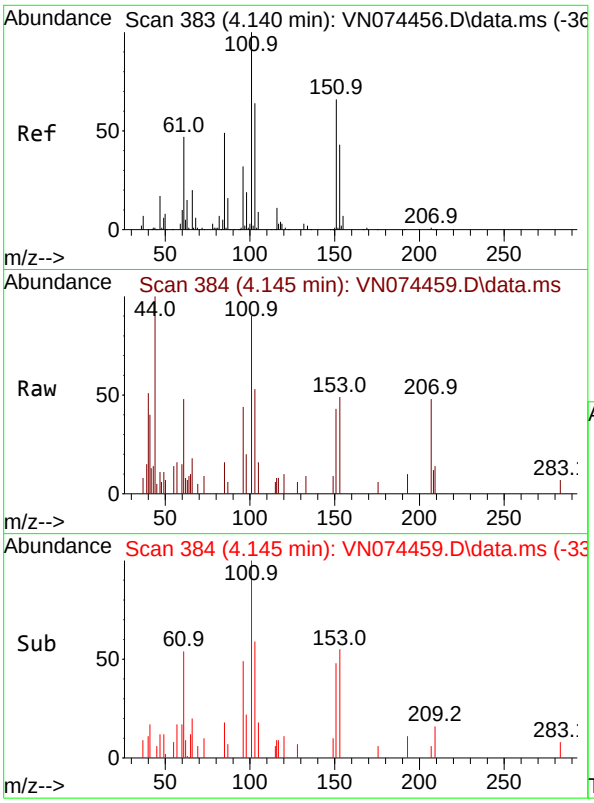


#8
Diethyl Ether
Concen: 1.771 ug/l
RT: 3.757 min Scan# 318
Delta R.T. -0.000 min
Lab File: VN074459.D
Acq: 15 Sep 2022 13:26

Tgt Ion: 74 Resp: 6119

Ion	Ratio	Lower	Upper
74	100		
45	136.1	42.9	128.5#





#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.447 ug/l
RT: 4.145 min Scan# 3
Delta R.T. 0.006 min
Lab File: VN074459.D
Acq: 15 Sep 2022 13:26

Tgt Ion:101 Resp: 658

Ion	Ratio	Lower	Upper
101	100		
85	33.5	34.7	52.1#
151	69.8	63.0	94.4

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

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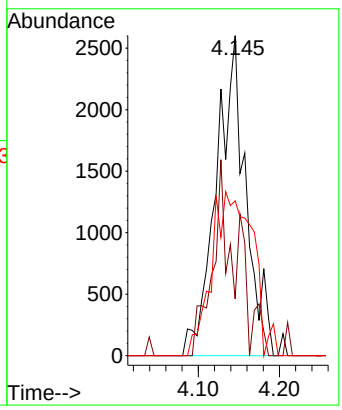
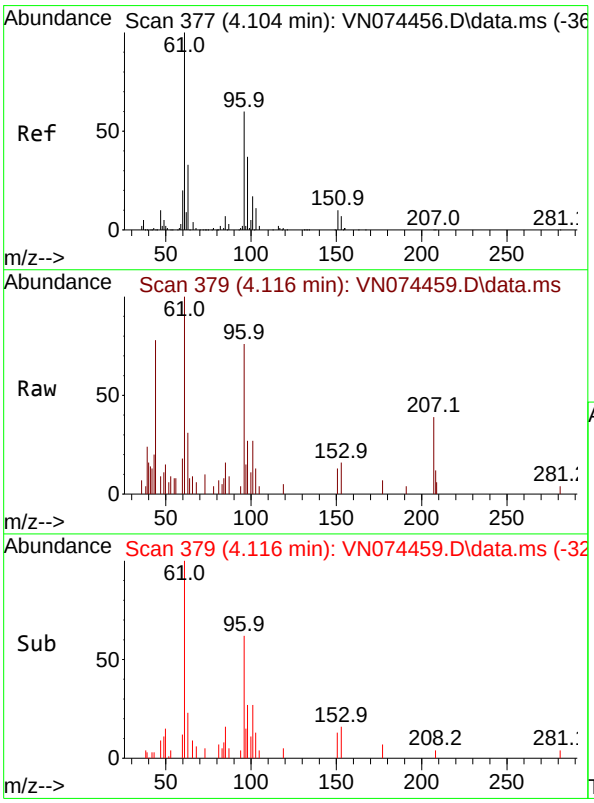
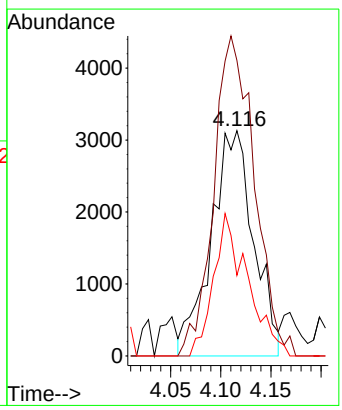


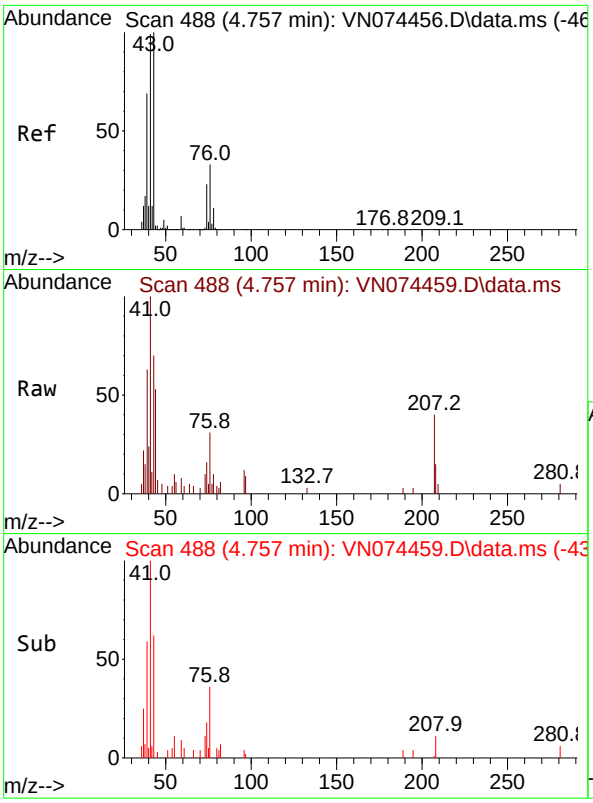


#12
1,1-Dichloroethene
Concen: 2.041 ug/l
RT: 4.116 min Scan# 379
Delta R.T. 0.012 min
Lab File: VN074459.D
Acq: 15 Sep 2022 13:26

Tgt Ion: 96 Resp: 9246

Ion	Ratio	Lower	Upper
96	100		
61	141.9	127.6	191.4
98	38.7	51.2	76.8#

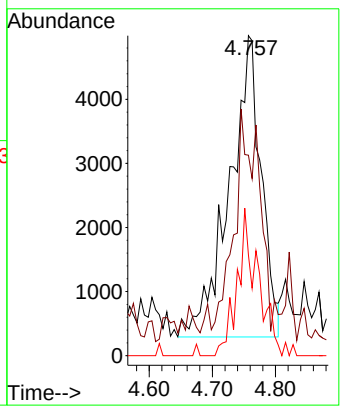




#14
Allyl chloride
Concen: 1.650 ug/l
RT: 4.757 min Scan# 4
Delta R.T. -0.000 min
Lab File: VN074459.D
Acq: 15 Sep 2022 13:26

Tgt Ion: 41 Resp: 1636

Ion	Ratio	Lower	Upper
41	100		
39	59.3	53.2	79.8
76	31.7	29.9	44.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

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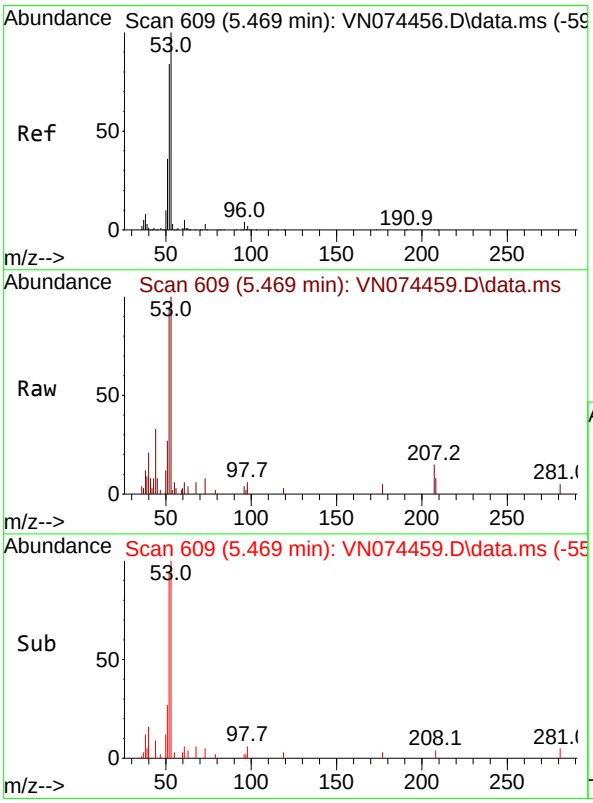
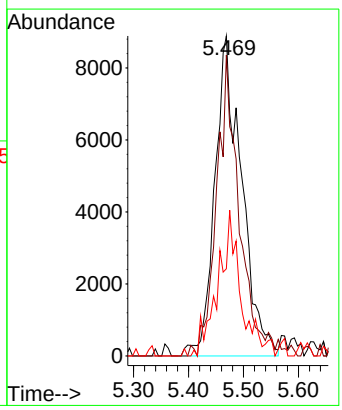
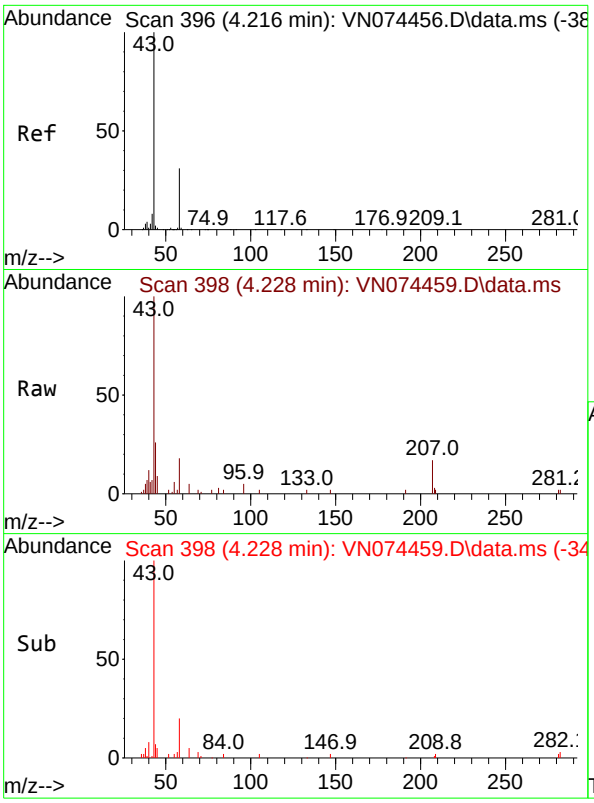


#15
Acrylonitrile
Concen: 7.630 ug/l
RT: 5.469 min Scan# 609
Delta R.T. -0.000 min
Lab File: VN074459.D
Acq: 15 Sep 2022 13:26

Tgt Ion: 53 Resp: 29890

Ion	Ratio	Lower	Upper
53	100		
52	80.5	66.4	99.6
51	37.7	28.5	42.7

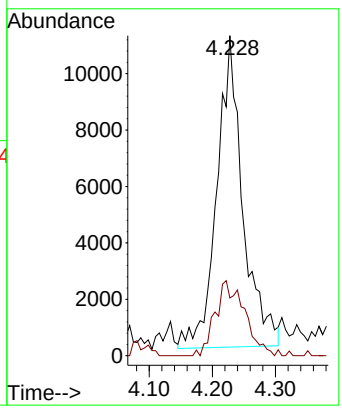




#16
Acetone
Concen: 8.862 ug/l
RT: 4.228 min Scan# 3
Delta R.T. 0.012 min
Lab File: VN074459.D
Acq: 15 Sep 2022 13:26

Tgt Ion: 43 Resp: 3149

Ion	Ratio	Lower	Upper
43	100		
58	18.7	26.0	39.0#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 09/16/2022
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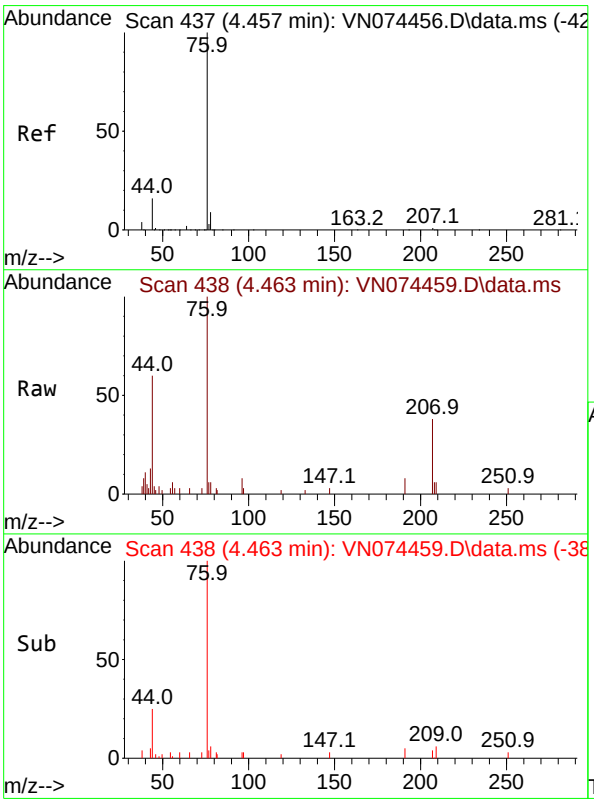
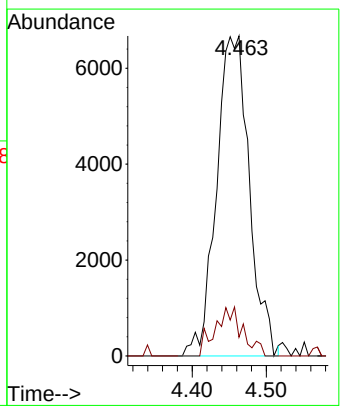
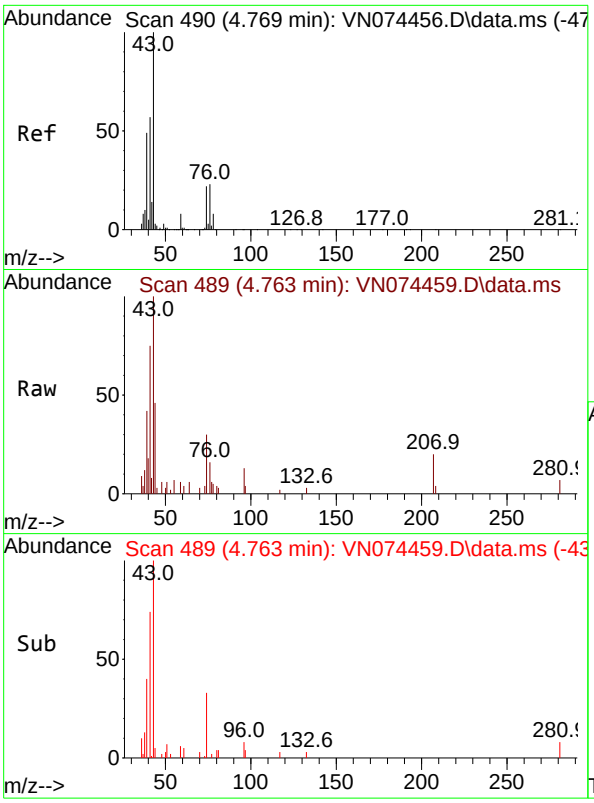


#17
Carbon Disulfide
Concen: 1.744 ug/l
RT: 4.463 min Scan# 438
Delta R.T. 0.006 min
Lab File: VN074459.D
Acq: 15 Sep 2022 13:26

Tgt Ion: 76 Resp: 20510

Ion	Ratio	Lower	Upper
76	100		
78	5.9	7.2	10.8#

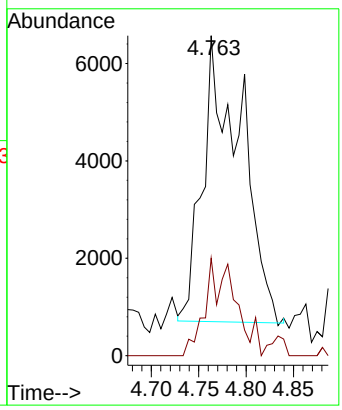




#18
Methyl Acetate
Concen: 1.677 ug/l m
RT: 4.763 min Scan# 4
Delta R.T. -0.006 min
Lab File: VN074459.D
Acq: 15 Sep 2022 13:26

Tgt Ion: 43 Resp: 1647

Ion	Ratio	Lower	Upper
43	100		
74	11.2	21.6	32.4#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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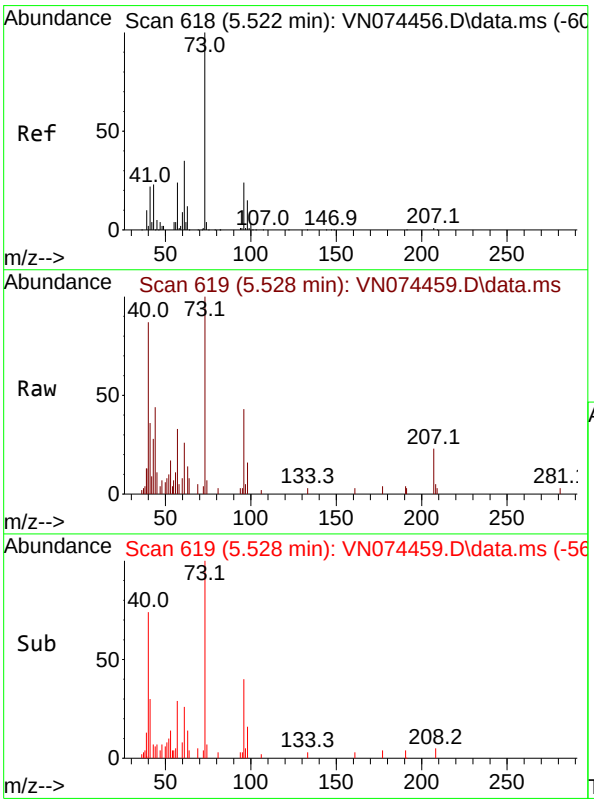
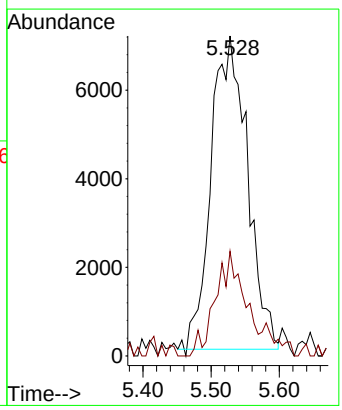
Reviewed By :John Carlone 09/16/2022
Supervised By :Mahesh Dadoda 09/16/2022

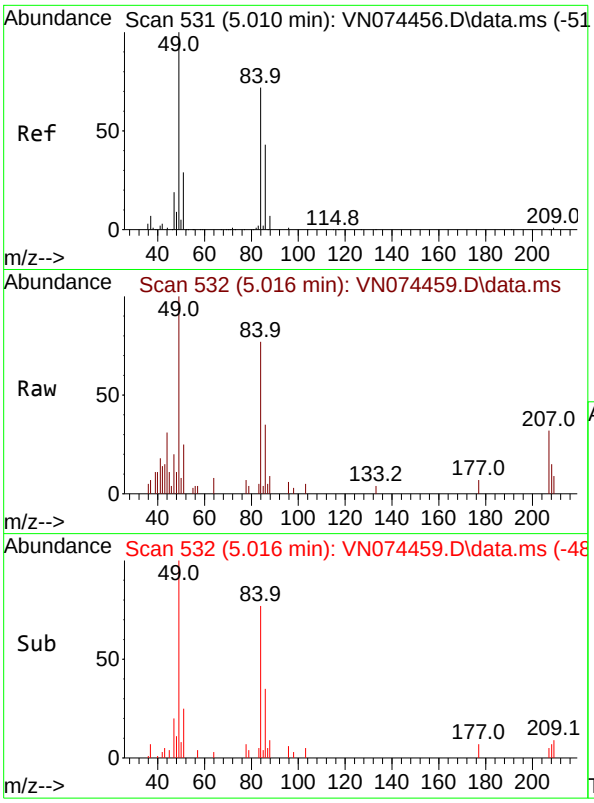


#19
Methyl tert-butyl Ether
Concen: 1.506 ug/l
RT: 5.528 min Scan# 619
Delta R.T. 0.006 min
Lab File: VN074459.D
Acq: 15 Sep 2022 13:26

Tgt Ion: 73 Resp: 26186

Ion	Ratio	Lower	Upper
73	100		
57	33.4	17.6	26.4#

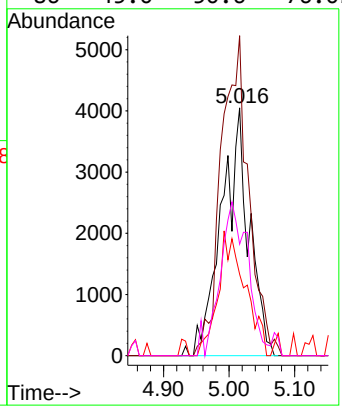




#20
Methylene Chloride
Concen: 1.974 ug/l
RT: 5.016 min Scan# 5
Delta R.T. 0.006 min
Lab File: VN074459.D
Acq: 15 Sep 2022 13:26

Tgt Ion: 84 Resp: 1181

Ion	Ratio	Lower	Upper
84	100		
49	129.1	88.3	132.5
51	32.9	28.2	42.2
86	45.0	50.6	76.0#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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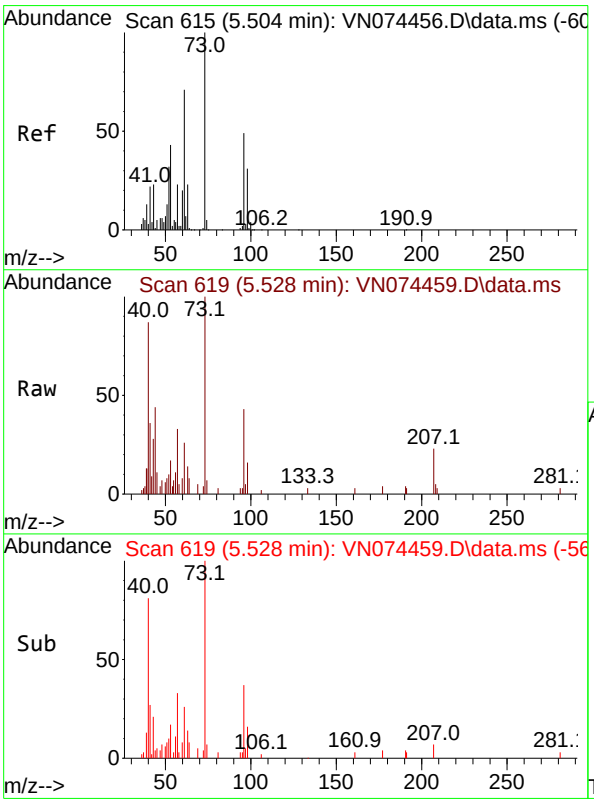
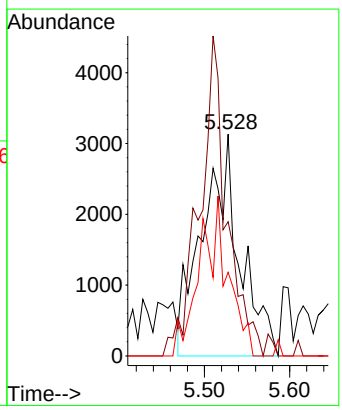
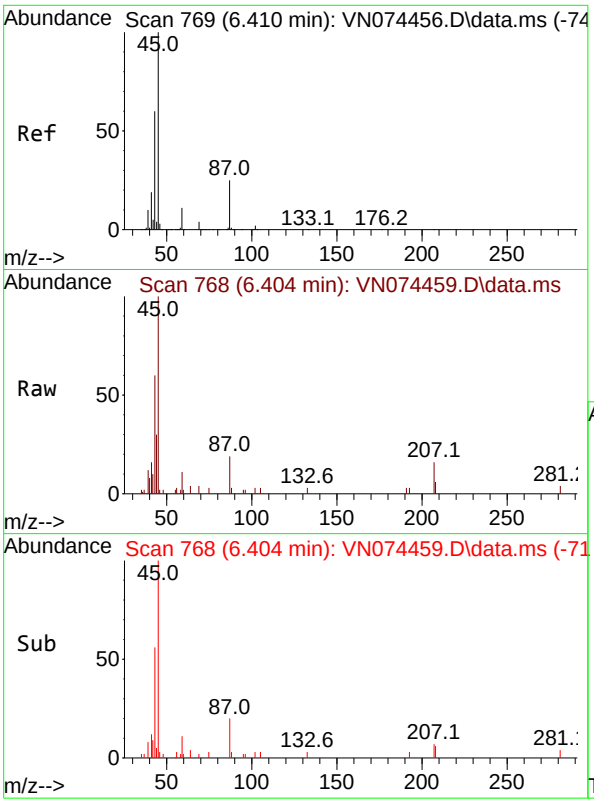


#21
trans-1,2-Dichloroethene
Concen: 1.918 ug/l
RT: 5.528 min Scan# 619
Delta R.T. 0.023 min
Lab File: VN074459.D
Acq: 15 Sep 2022 13:26

Tgt Ion: 96 Resp: 9543

Ion	Ratio	Lower	Upper
96	100		
61	60.5	105.8	158.8#
98	30.3	50.3	75.5#

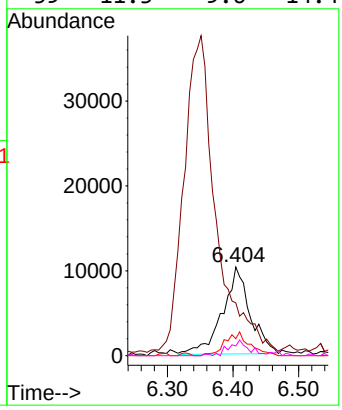




#22
Diisopropyl ether
Concen: 1.591 ug/l
RT: 6.404 min Scan# 7
Delta R.T. -0.006 min
Lab File: VN074459.D
Acq: 15 Sep 2022 13:26

Tgt Ion: 45 Resp: 2991

Ion	Ratio	Lower	Upper
45	100		
43	55.9	46.6	70.0
87	19.7	24.3	36.5#
59	11.3	9.6	14.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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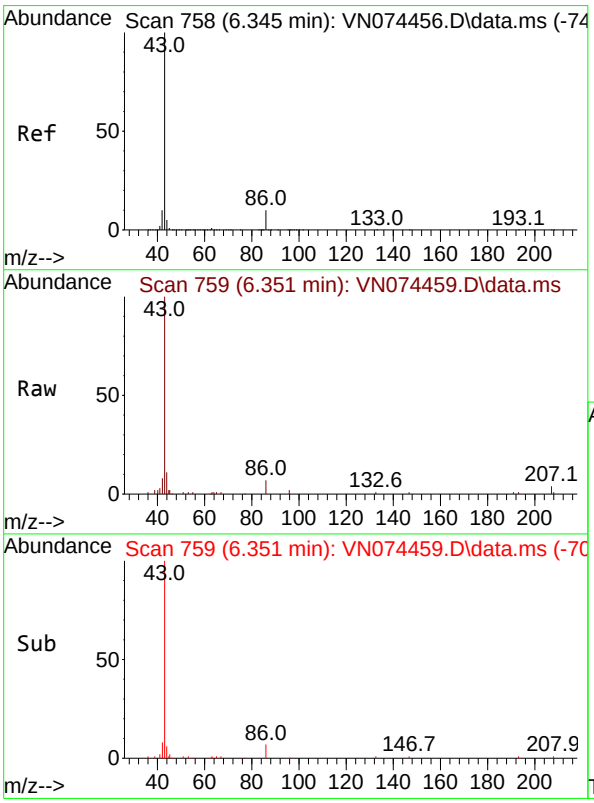
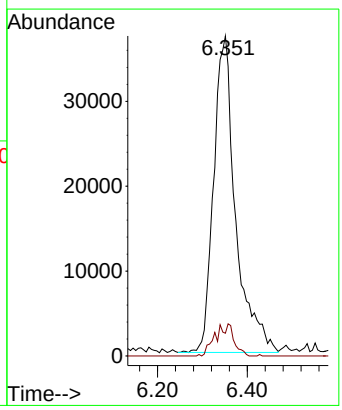
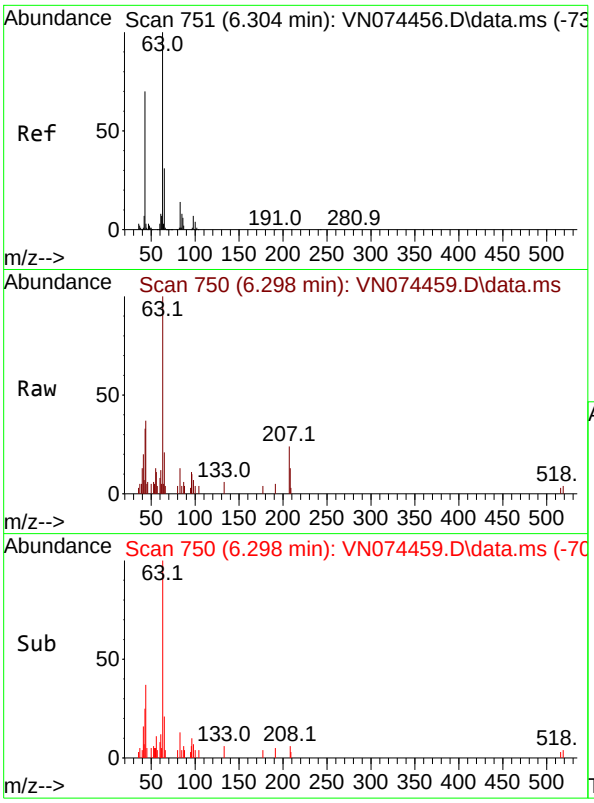


#23
Vinyl Acetate
Concen: 7.348 ug/l
RT: 6.351 min Scan# 759
Delta R.T. 0.006 min
Lab File: VN074459.D
Acq: 15 Sep 2022 13:26

Tgt Ion: 43 Resp: 126945

Ion	Ratio	Lower	Upper
43	100		
86	7.2	10.0	15.0#

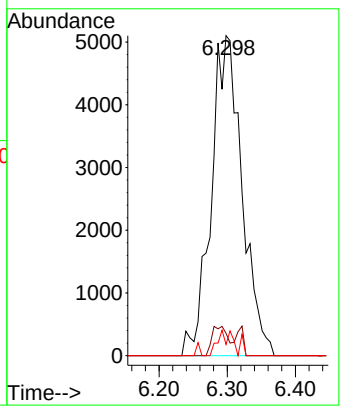




#24
1,1-Dichloroethane
Concen: 1.654 ug/l
RT: 6.298 min Scan# 7
Delta R.T. -0.006 min
Lab File: VN074459.D
Acq: 15 Sep 2022 13:26

Tgt Ion: 63 Resp: 1607

Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.5	10.4
100	3.5	2.3	6.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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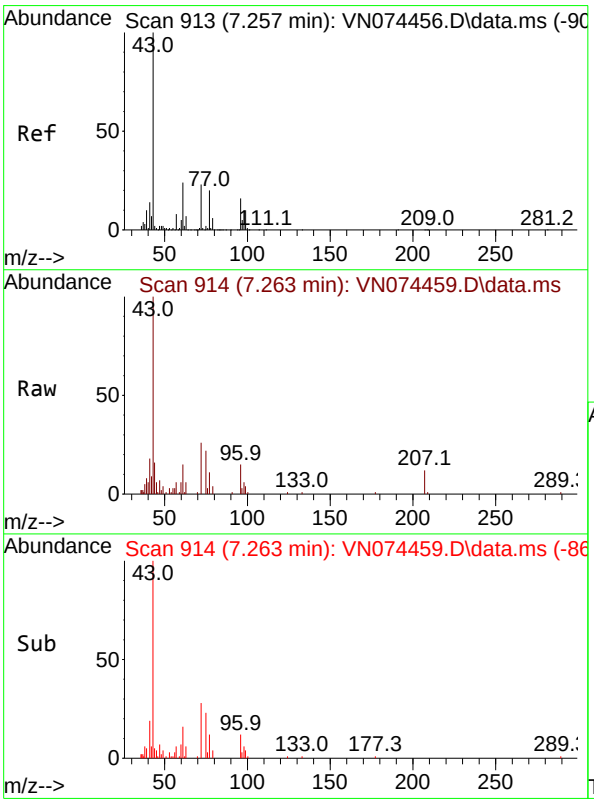
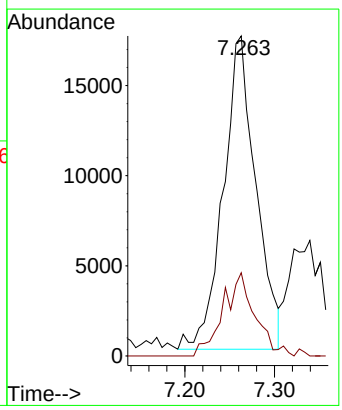
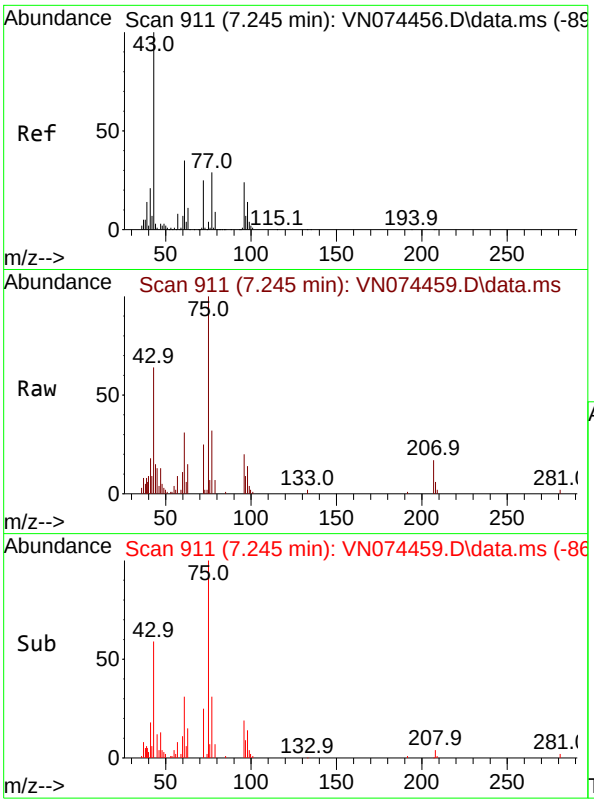


#25
2-Butanone
Concen: 7.656 ug/l
RT: 7.263 min Scan# 914
Delta R.T. 0.006 min
Lab File: VN074459.D
Acq: 15 Sep 2022 13:26

Tgt Ion: 43 Resp: 43915

Ion	Ratio	Lower	Upper
43	100		
72	26.6	23.7	35.5

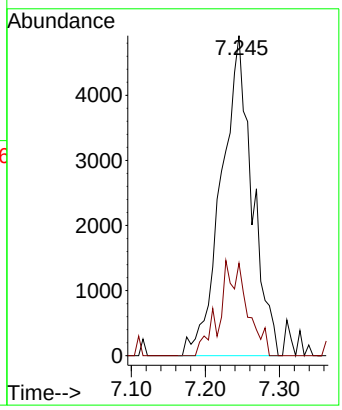




#26
2,2-Dichloropropane
Concen: 1.633 ug/l
RT: 7.245 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN074459.D
Acq: 15 Sep 2022 13:26

Tgt Ion: 77 Resp: 1415

Ion	Ratio	Lower	Upper
77	100		
97	26.5	11.4	34.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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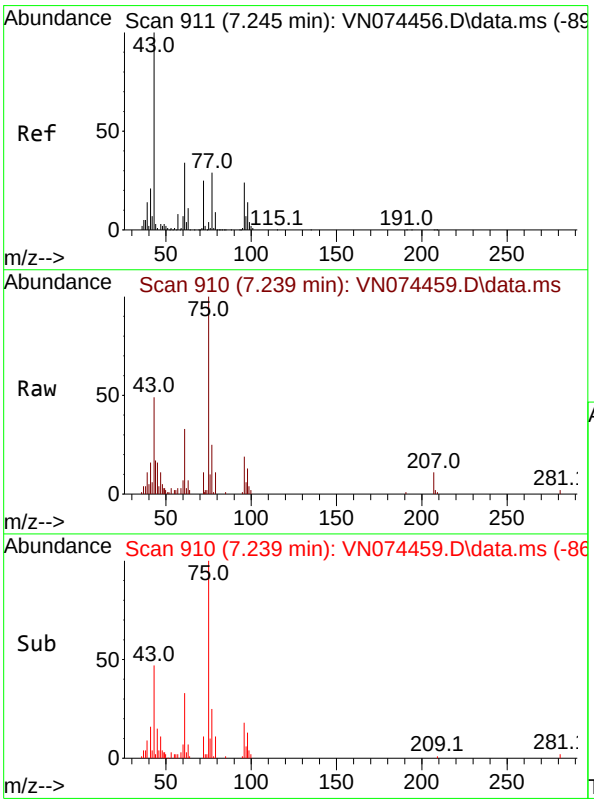
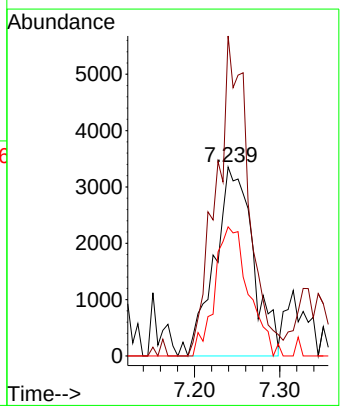
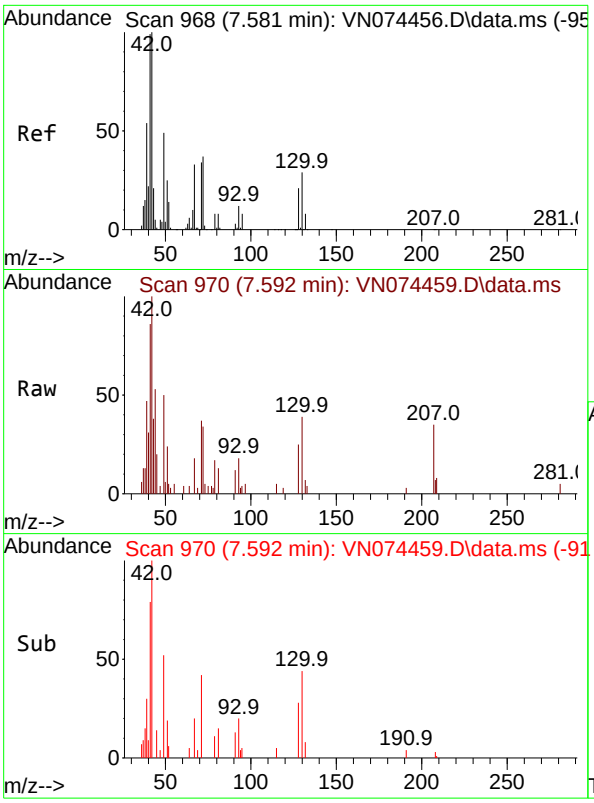


#27
cis-1,2-Dichloroethene
Concen: 1.751 ug/l
RT: 7.239 min Scan# 910
Delta R.T. -0.006 min
Lab File: VN074459.D
Acq: 15 Sep 2022 13:26

Tgt Ion: 96 Resp: 10491

Ion	Ratio	Lower	Upper
96	100		
61	143.7	0.0	280.6
98	60.7	0.0	128.4

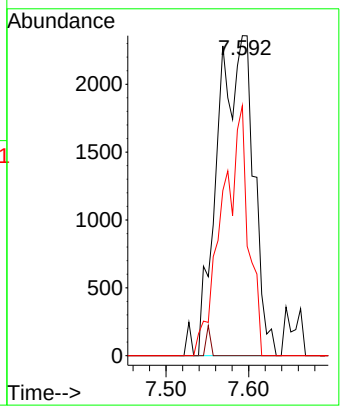




#28
Bromochloromethane
Concen: 1.910 ug/l m
RT: 7.592 min Scan# 9
Delta R.T. 0.012 min
Lab File: VN074459.D
Acq: 15 Sep 2022 13:26

Tgt Ion: 49 Resp: 716

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.6
130	56.4	69.7	104.5#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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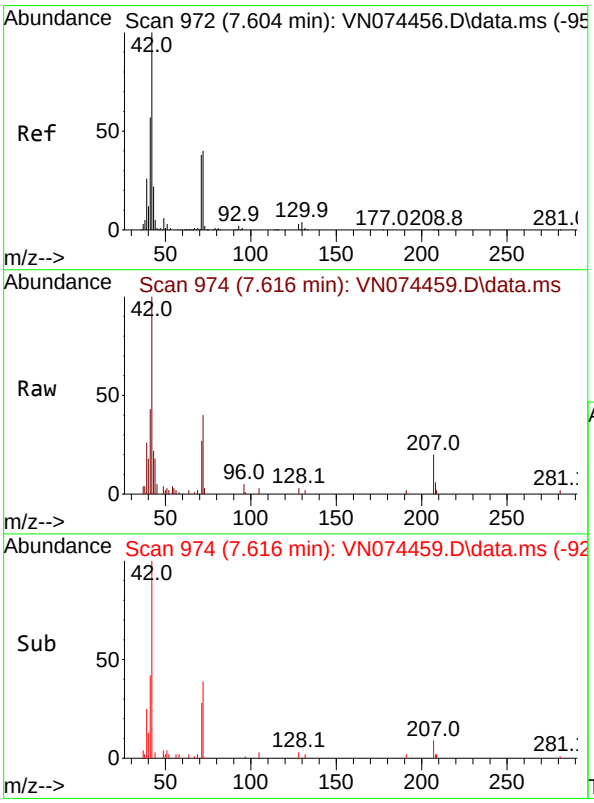
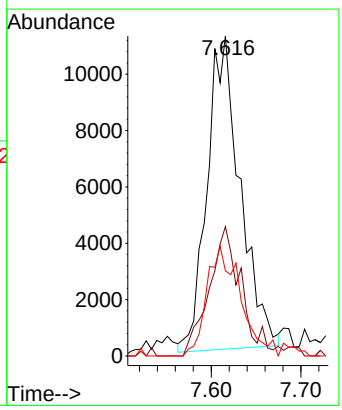
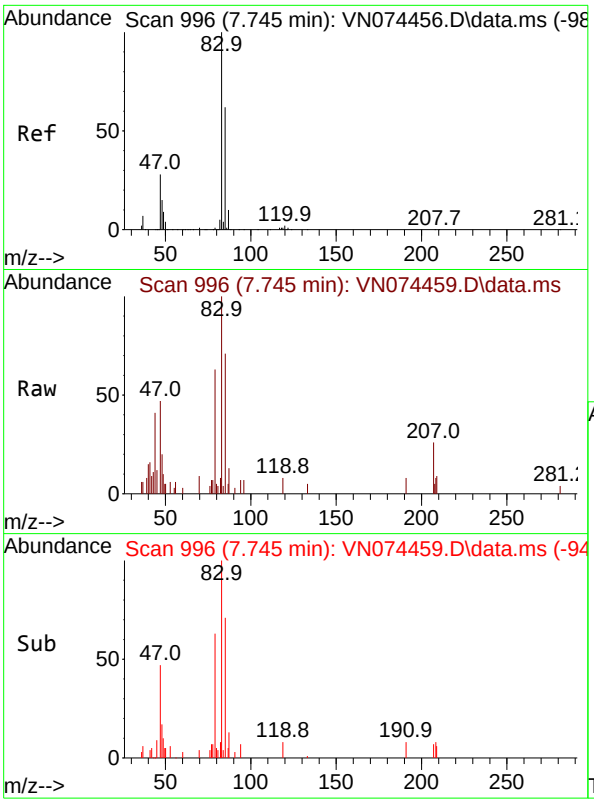


#29
Tetrahydrofuran
Concen: 7.467 ug/l
RT: 7.616 min Scan# 974
Delta R.T. 0.012 min
Lab File: VN074459.D
Acq: 15 Sep 2022 13:26

Tgt Ion: 42 Resp: 28392

Ion	Ratio	Lower	Upper
42	100		
72	37.9	39.7	59.5#
71	35.8	36.6	55.0#

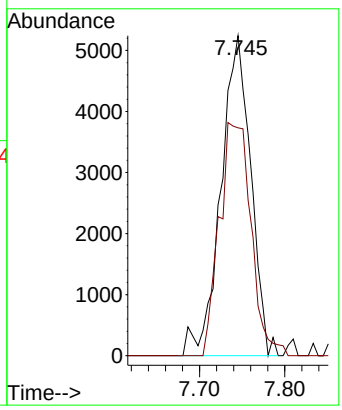




#30
Chloroform
Concen: 1.316 ug/l
RT: 7.745 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN074459.D
Acq: 15 Sep 2022 13:26

Tgt Ion: 83 Resp: 1277

Ion	Ratio	Lower	Upper
83	100		
85	71.2	51.8	77.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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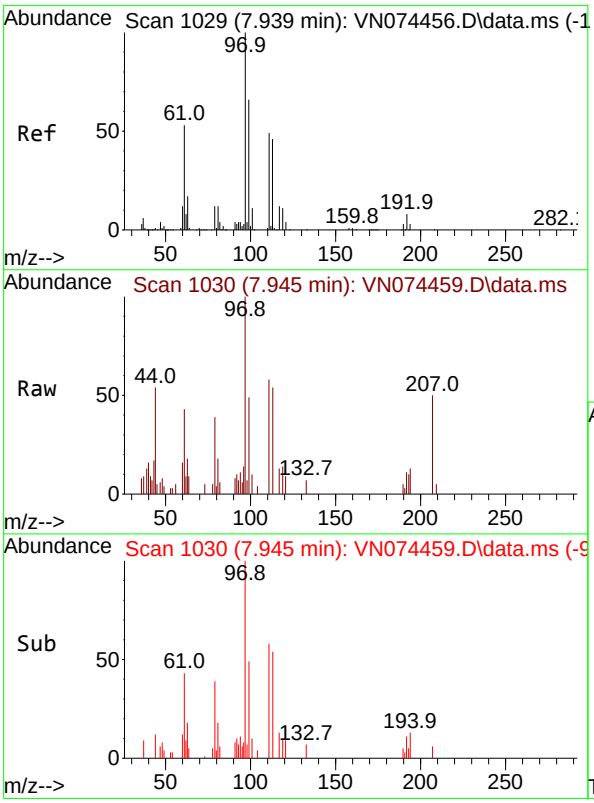
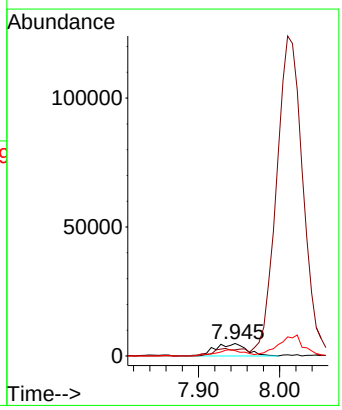
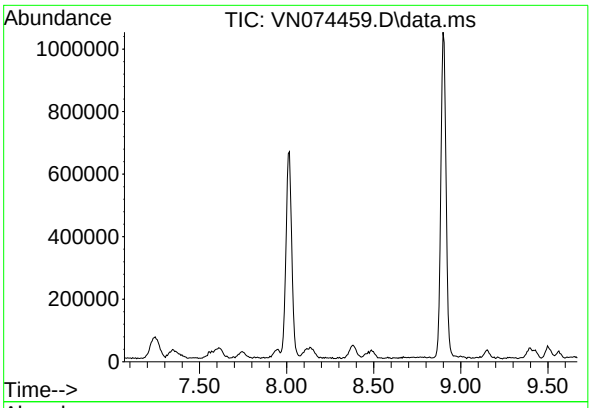


#32
1,1,1-Trichloroethane
Concen: 1.536 ug/l
RT: 7.945 min Scan# 1030
Delta R.T. 0.006 min
Lab File: VN074459.D
Acq: 15 Sep 2022 13:26

Tgt Ion: 97 Resp: 12963

Ion	Ratio	Lower	Upper
97	100		
99	0.0	50.6	76.0#
61	44.6	36.0	54.0





#33
1,2-Dichloroethane-d4
Concen: 0.000 ug/l
Expected RT: 8.37 min

Lab File: VN074459.D
Acq: 15 Sep 2022 13:26

Tgt Ion: 65

Sig	Exp Ratio
65	100
67	52.4

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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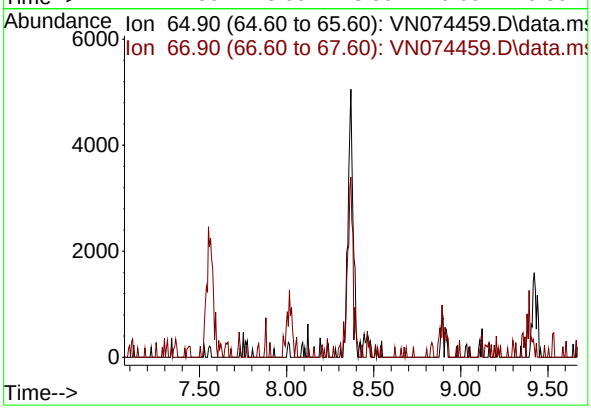
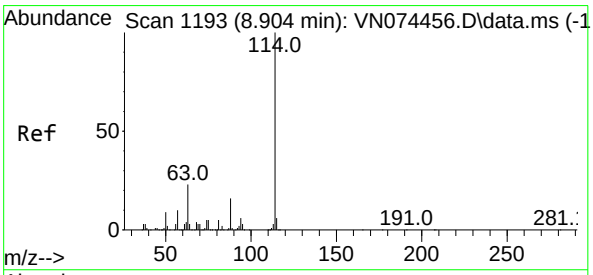
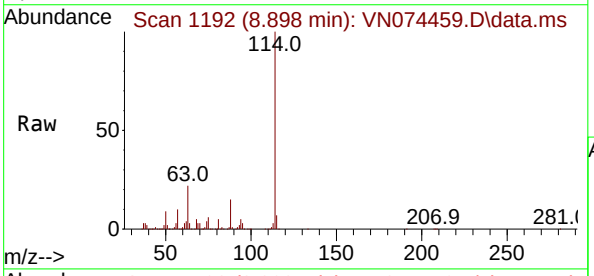
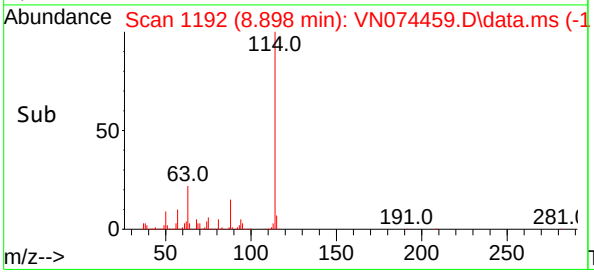




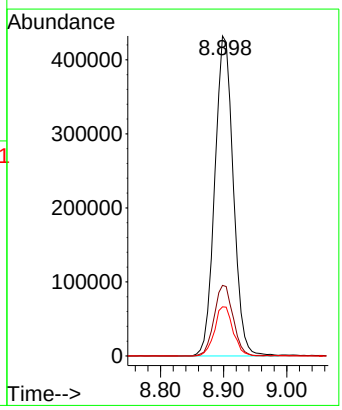


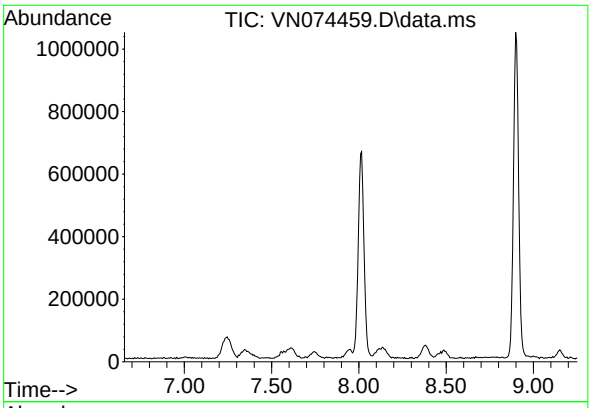


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.898 min Scan# 1192
Delta R.T. -0.006 min
Lab File: VN074459.D
Acq: 15 Sep 2022 13:26

Tgt Ion:114 Resp: 880360

Ion	Ratio	Lower	Upper
114	100		
63	22.0	0.0	40.0
88	15.3	0.0	32.6





#35
Dibromofluoromethane
Concen: 0.000 ug/l
Expected RT: 7.95 min

Lab File: VN074459.D
Acq: 15 Sep 2022 13:26

Tgt Ion: 113

Sig	Exp Ratio
113	100
111	101.7
192	21.3

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
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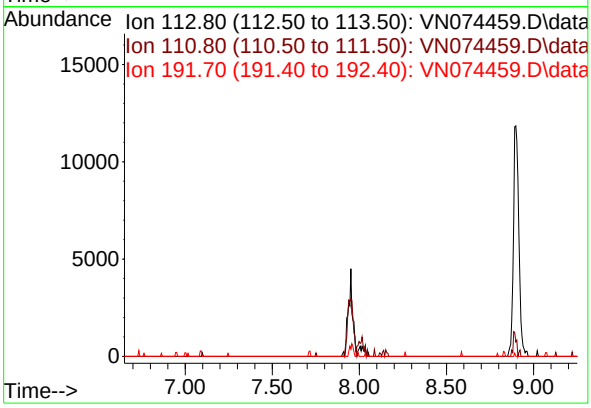
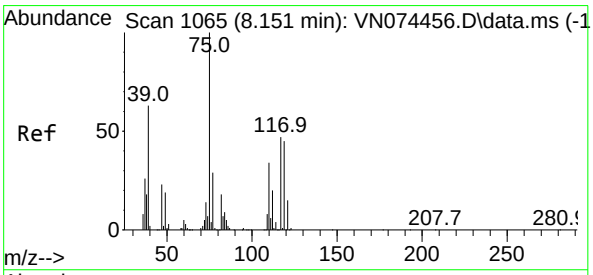
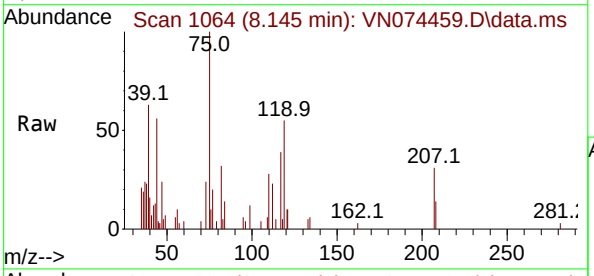


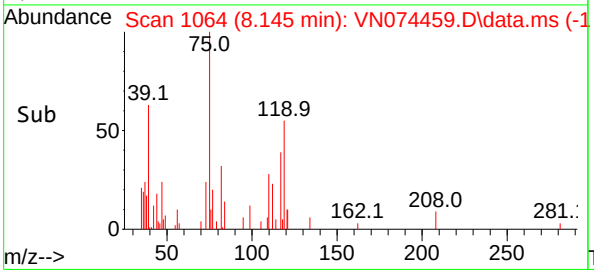


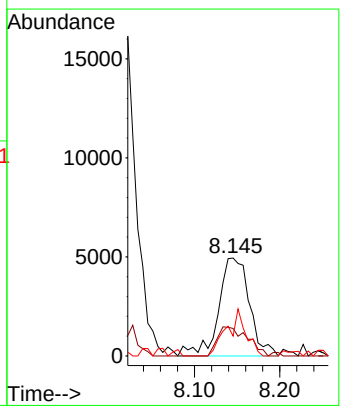
#36
1,1-Dichloropropene
Concen: 1.625 ug/l
RT: 8.145 min Scan# 1064
Delta R.T. -0.006 min
Lab File: VN074459.D
Acq: 15 Sep 2022 13:26

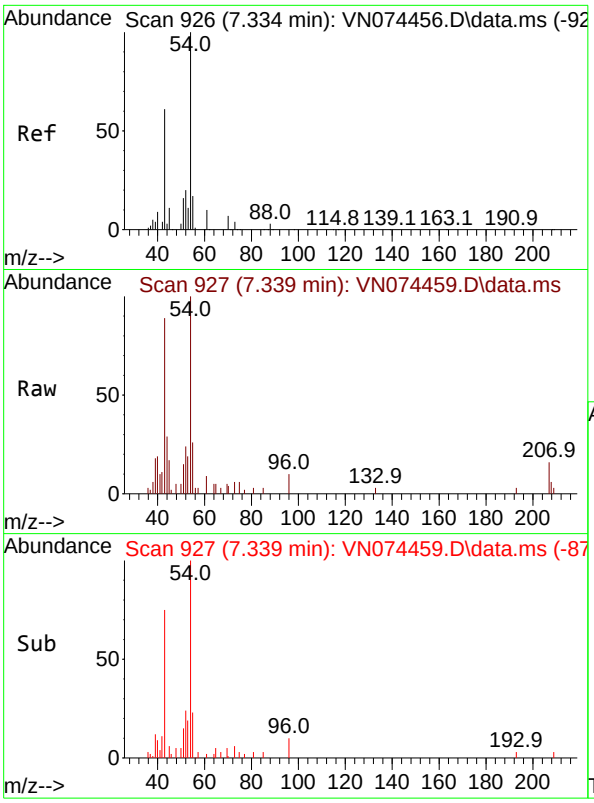
Tgt Ion: 75 Resp: 12469

Ion	Ratio	Lower	Upper
75	100		
110	29.9	18.3	54.8
77	29.8	25.1	37.7









#37
Ethyl Acetate
Concen: 1.365 ug/l
RT: 7.339 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN074459.D
Acq: 15 Sep 2022 13:26

Tgt Ion: 43 Resp: 1687

Ion	Ratio	Lower	Upper
43	100		
61	6.4	11.8	17.6#
70	8.2	9.3	13.9#

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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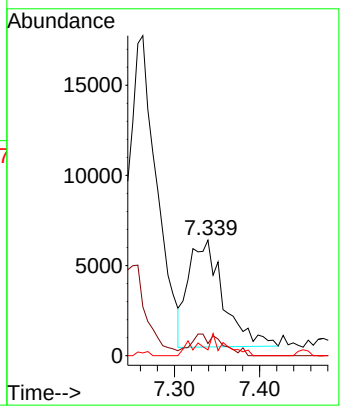
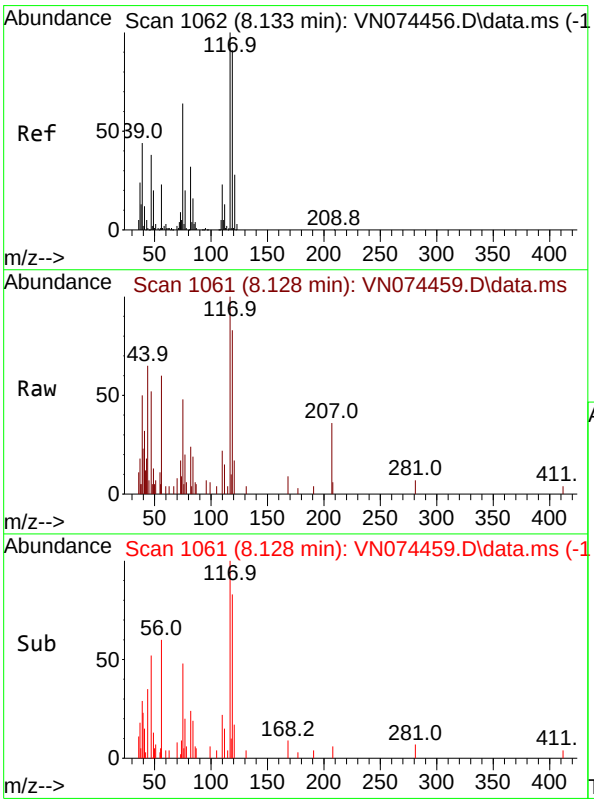
Reviewed By :John Carlone 09/16/2022
Supervised By :Mahesh Dadoda 09/16/2022

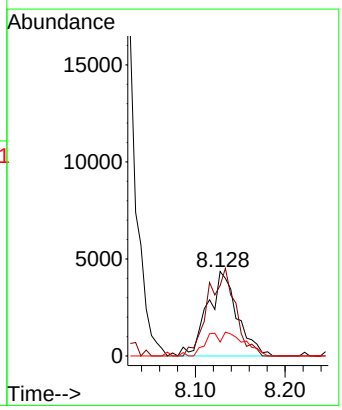


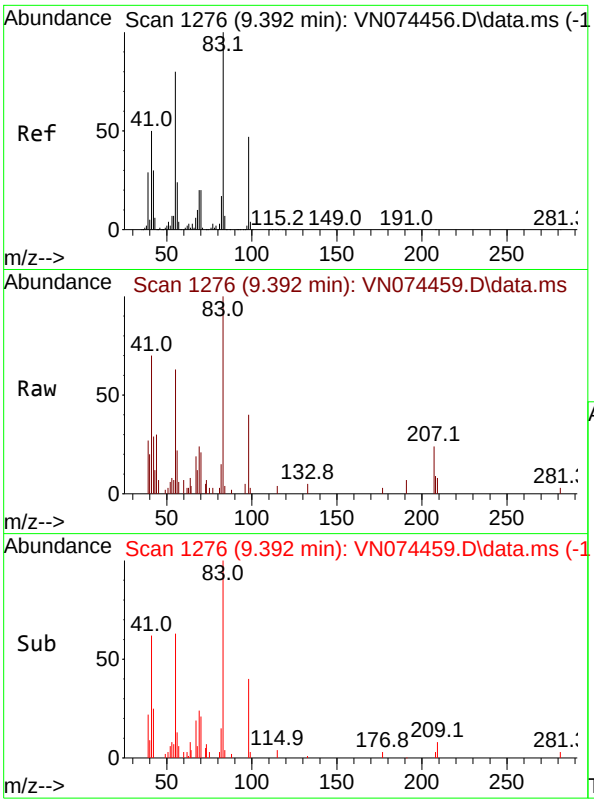


#38
Carbon Tetrachloride
Concen: 1.259 ug/l
RT: 8.128 min Scan# 1061
Delta R.T. -0.006 min
Lab File: VN074459.D
Acq: 15 Sep 2022 13:26

Tgt Ion:117 Resp: 9960

Ion	Ratio	Lower	Upper
117	100		
119	83.4	75.8	113.8
121	16.5	24.6	37.0#

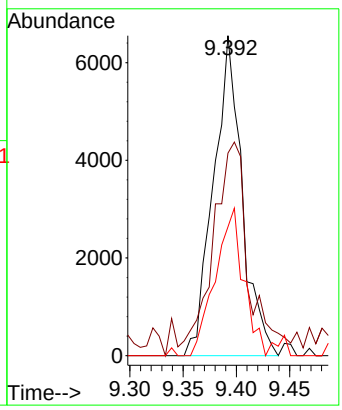




#39
Methylcyclohexane
Concen: 1.316 ug/l
RT: 9.392 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074459.D
Acq: 15 Sep 2022 13:26

Tgt Ion: 83 Resp: 1224

Ion	Ratio	Lower	Upper
83	100		
55	60.6	57.8	86.8
98	40.3	39.4	59.2



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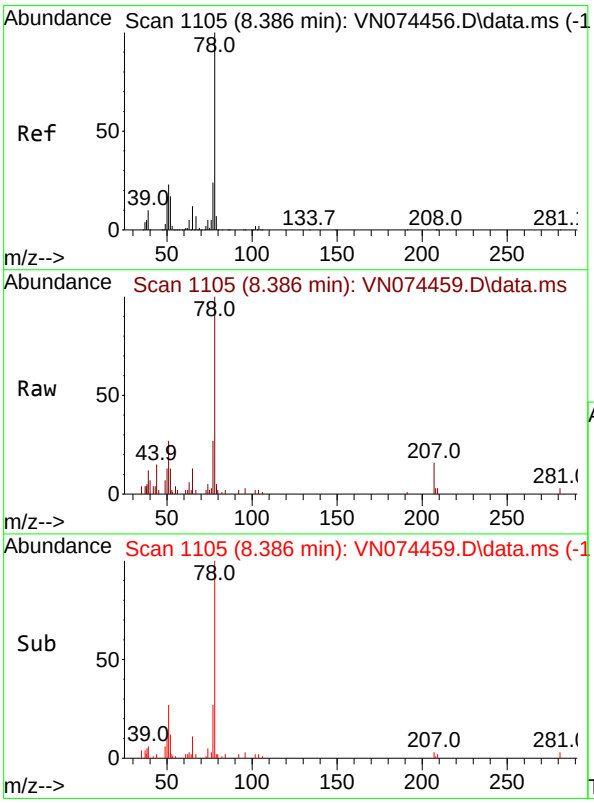
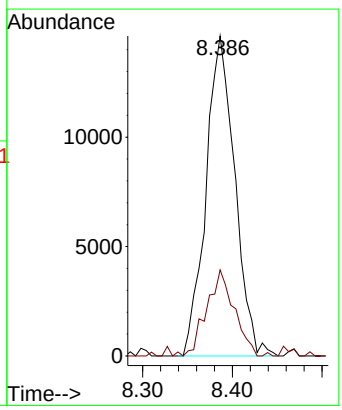
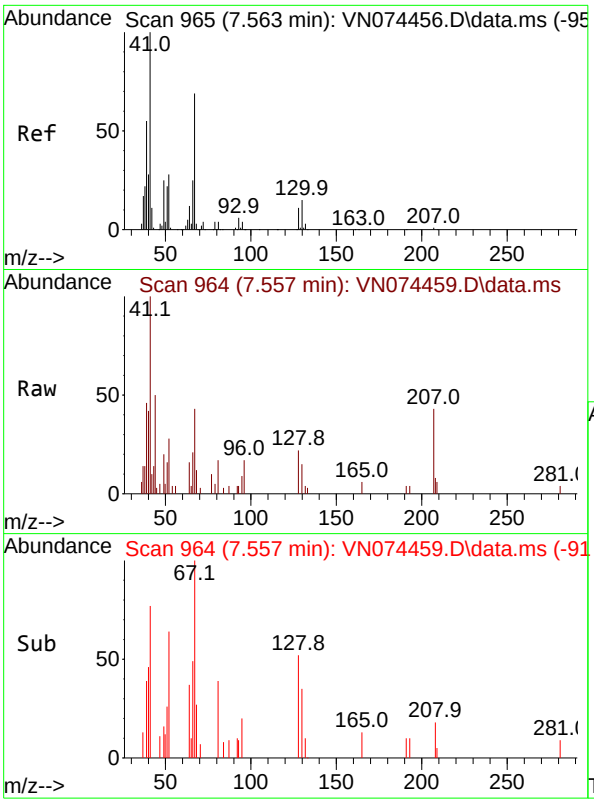


#40
Benzene
Concen: 1.353 ug/l
RT: 8.386 min Scan# 1105
Delta R.T. -0.000 min
Lab File: VN074459.D
Acq: 15 Sep 2022 13:26

Tgt Ion: 78 Resp: 32725

Ion	Ratio	Lower	Upper
78	100		
77	26.9	19.4	29.0

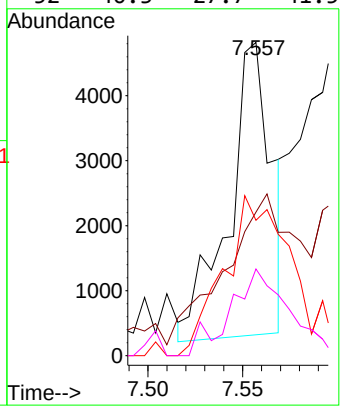




#41
Methacrylonitrile
Concen: 1.210 ug/l
RT: 7.557 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN074459.D
Acq: 15 Sep 2022 13:26

Tgt Ion: 41 Resp: 707

Ion	Ratio	Lower	Upper
41	100		
39	93.7	48.6	73.0
67	85.9	73.4	110.2
52	40.3	27.7	41.5



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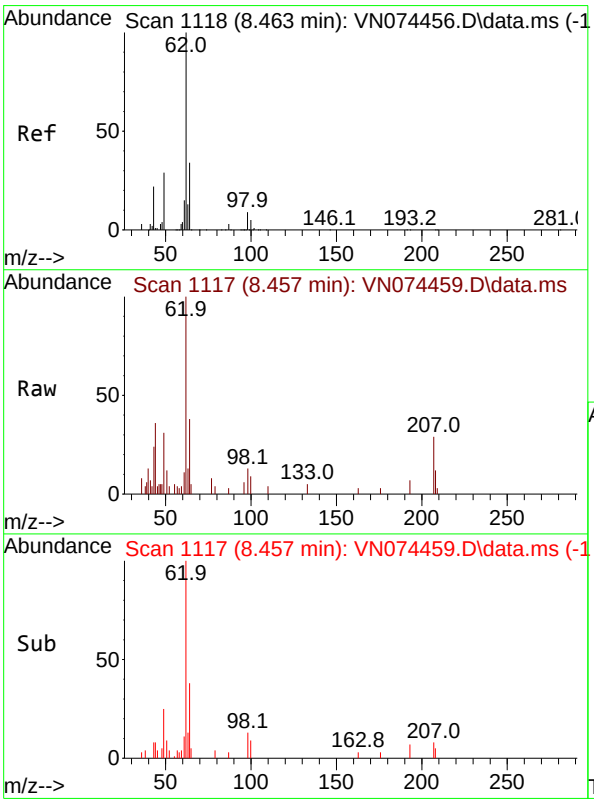
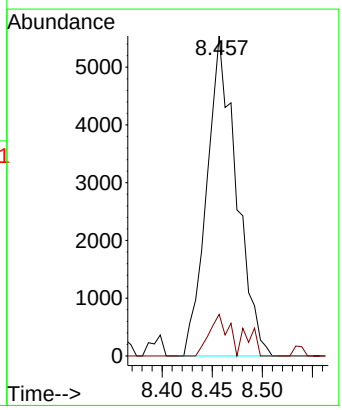
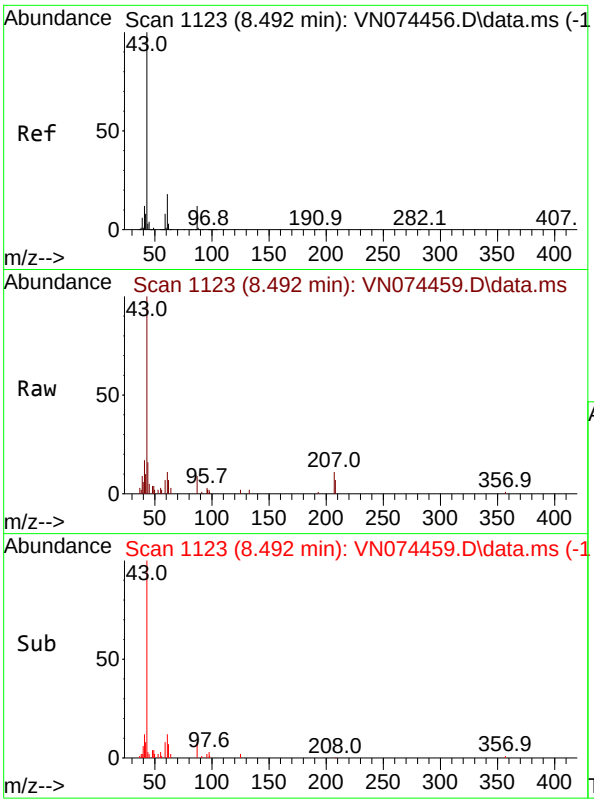


#42
1,2-Dichloroethane
Concen: 1.340 ug/l
RT: 8.457 min Scan# 1117
Delta R.T. -0.006 min
Lab File: VN074459.D
Acq: 15 Sep 2022 13:26

Tgt Ion: 62 Resp: 11429

Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	19.4





#43
Isopropyl Acetate
Concen: 1.464 ug/l
RT: 8.492 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074459.D
Acq: 15 Sep 2022 13:26

Tgt Ion: 43 Resp: 2606

Ion	Ratio	Lower	Upper
43	100		
61	23.6	21.9	32.9
87	12.6	12.0	18.0

Instrument :
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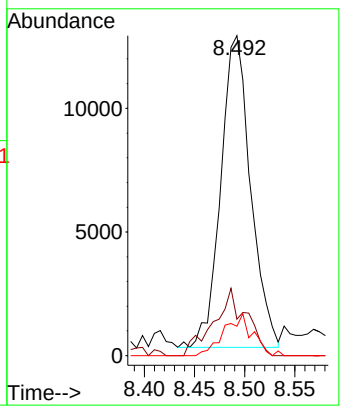
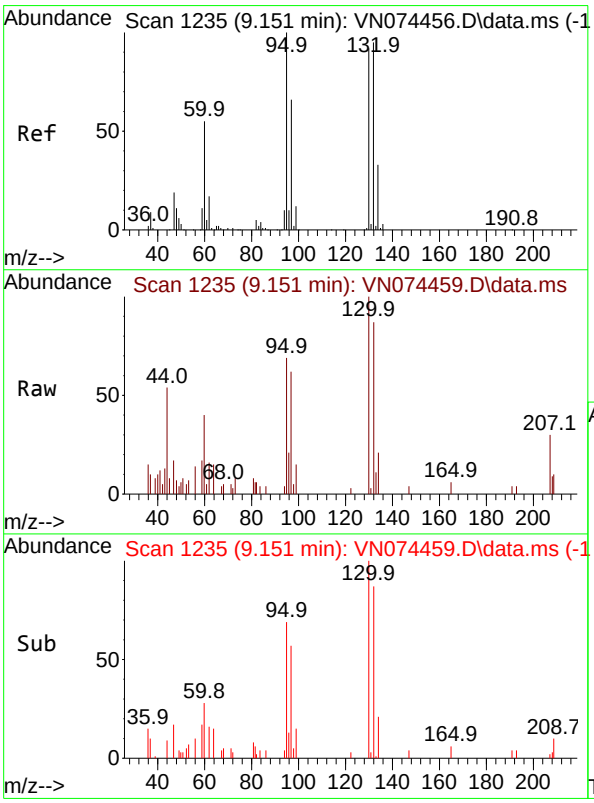
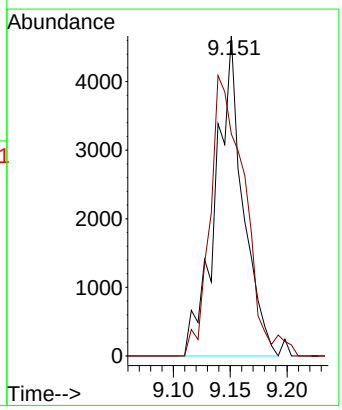


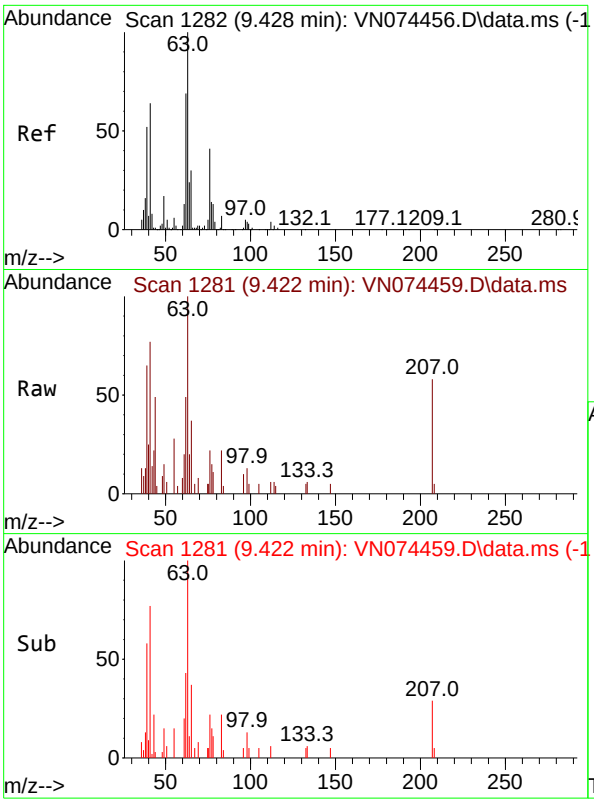


#44
Trichloroethene
Concen: 1.331 ug/l
RT: 9.151 min Scan# 1235
Delta R.T. -0.000 min
Lab File: VN074459.D
Acq: 15 Sep 2022 13:26

Tgt Ion:130 Resp: 7867

Ion	Ratio	Lower	Upper
130	100		
95	69.3	0.0	186.8

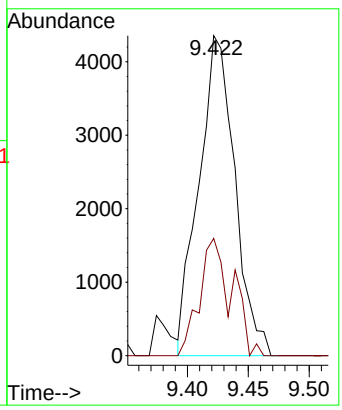




#45
1,2-Dichloropropane
Concen: 1.428 ug/l
RT: 9.422 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN074459.D
Acq: 15 Sep 2022 13:26

Tgt Ion: 63 Resp: 894

Ion	Ratio	Lower	Upper
63	100		
65	36.7	24.9	37.3



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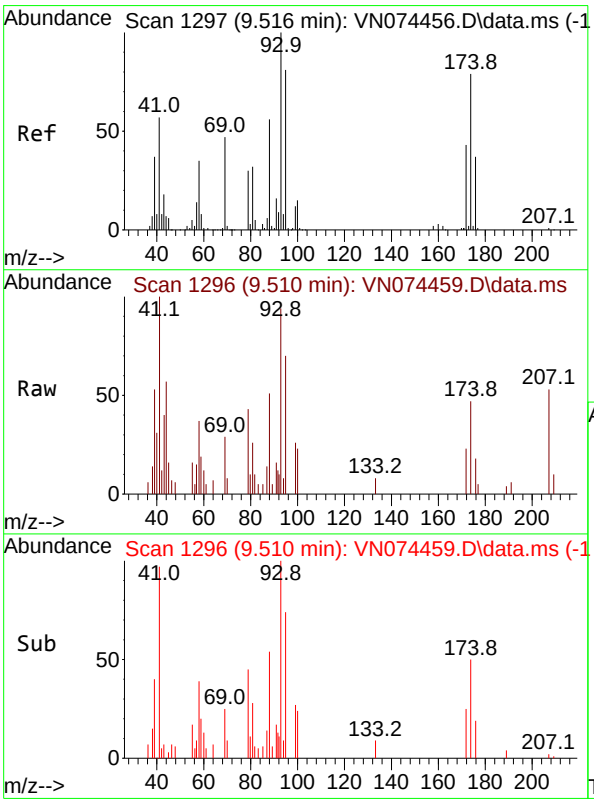
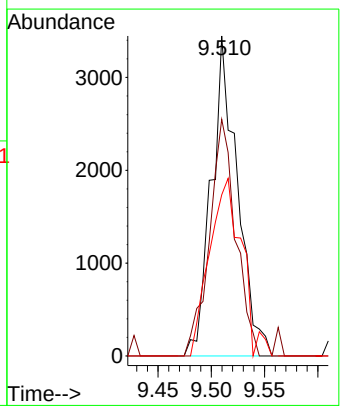
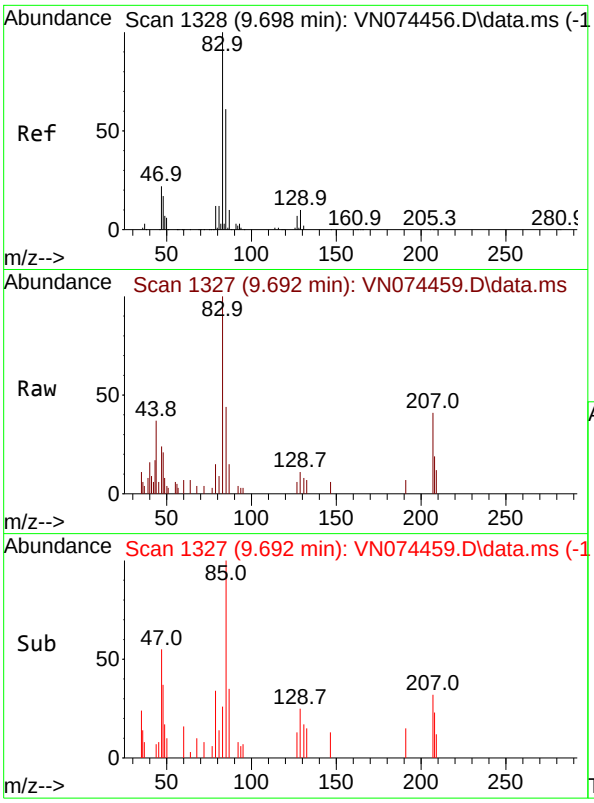


#46
Dibromomethane
Concen: 1.408 ug/l
RT: 9.510 min Scan# 1296
Delta R.T. -0.006 min
Lab File: VN074459.D
Acq: 15 Sep 2022 13:26

Tgt Ion: 93 Resp: 5853

Ion	Ratio	Lower	Upper
93	100		
95	74.6	66.9	100.3
174	68.9	86.6	130.0#

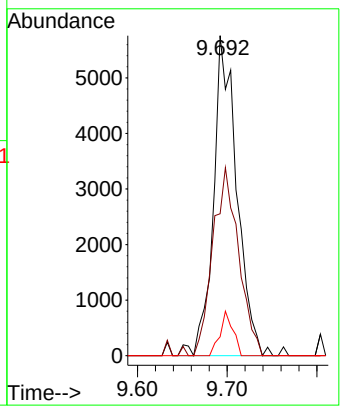




#47
Bromodichloromethane
Concen: 1.265 ug/l
RT: 9.692 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN074459.D
Acq: 15 Sep 2022 13:26

Tgt Ion: 83 Resp: 1045

Ion	Ratio	Lower	Upper
83	100		
85	44.4	50.5	75.7#
127	5.9	6.8	10.2#



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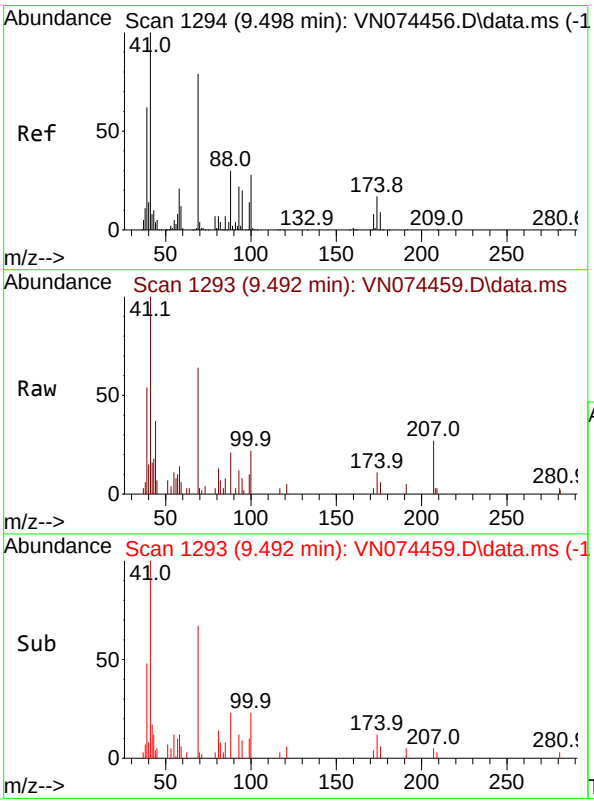
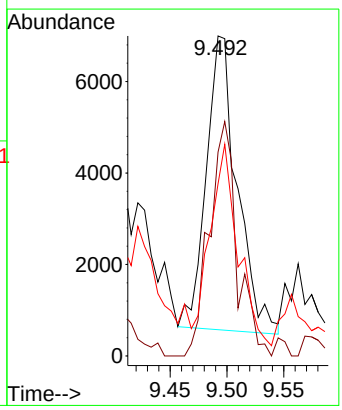
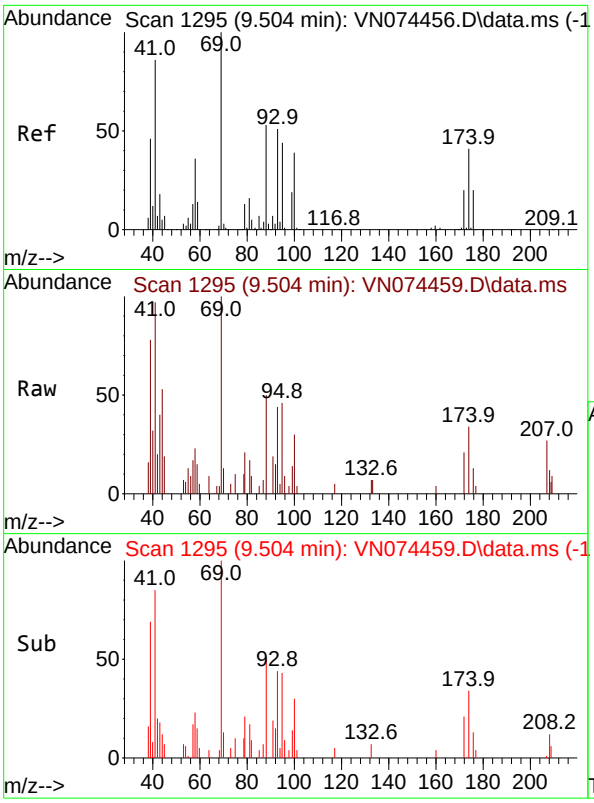


#48
Methyl methacrylate
Concen: 1.510 ug/l
RT: 9.492 min Scan# 1293
Delta R.T. -0.006 min
Lab File: VN074459.D
Acq: 15 Sep 2022 13:26

Tgt Ion: 41 Resp: 12165

Ion	Ratio	Lower	Upper
41	100		
69	71.6	74.7	112.1#
39	63.8	45.6	68.4





#49
1,4-Dioxane
Concen: 26.236 ug/l
RT: 9.504 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074459.D
Acq: 15 Sep 2022 13:26

Tgt Ion: 88 Resp: 463

Ion	Ratio	Lower	Upper
88	100		
43	65.6	20.2	30.4
58	65.8	54.2	81.4

Instrument :
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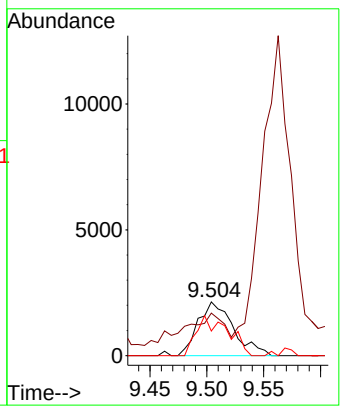
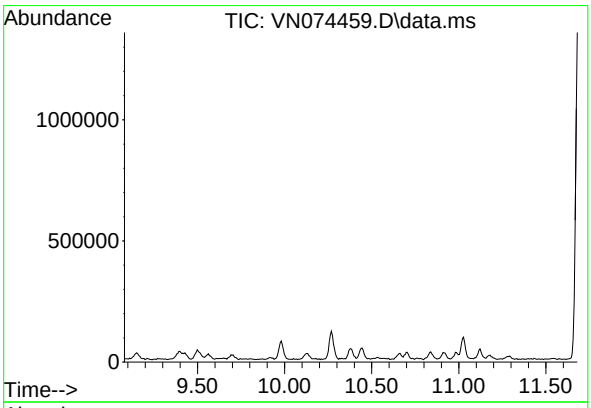


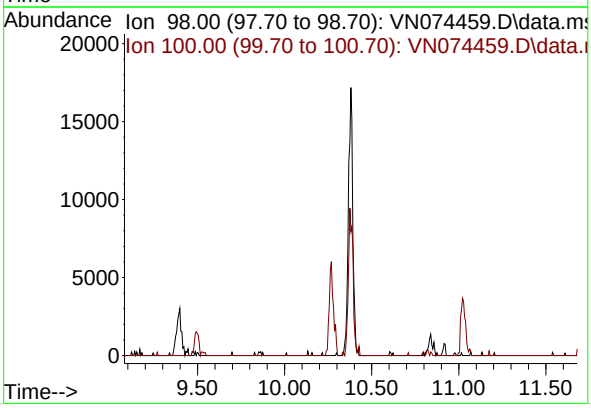


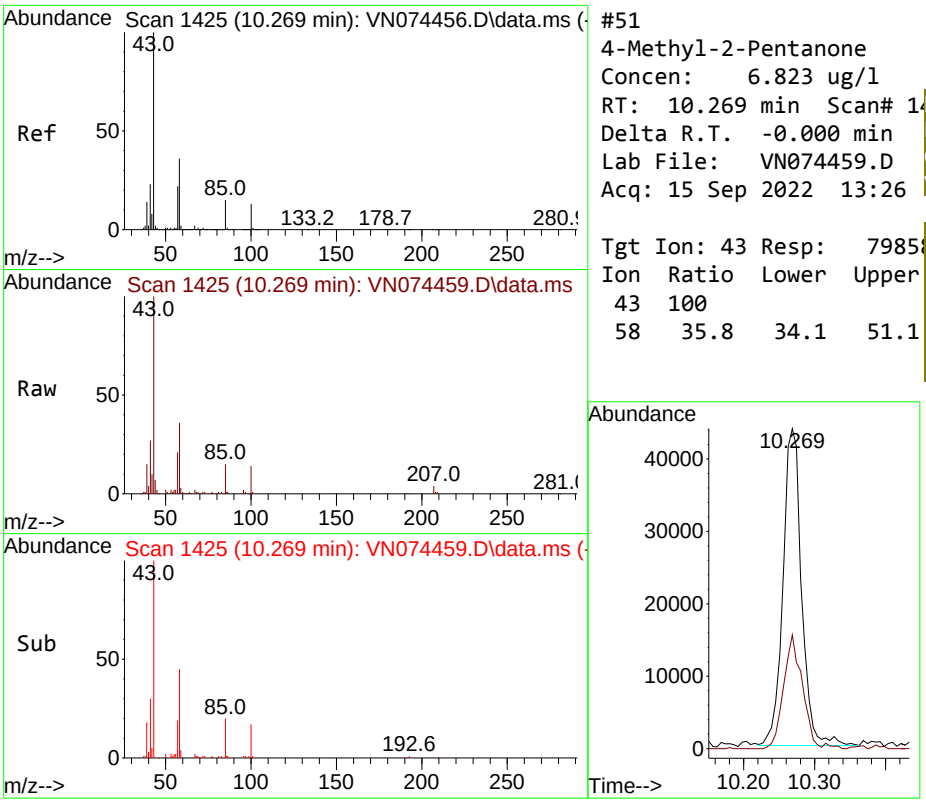
#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 10.38 min

Lab File: VN074459.D
Acq: 15 Sep 2022 13:26

Tgt Ion: 98

Sig	Exp Ratio
98	100
100	65.7





#51
4-Methyl-2-Pentanone
Concen: 6.823 ug/l
RT: 10.269 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN074459.D
Acq: 15 Sep 2022 13:26

Tgt Ion: 43 Resp: 7985

Ion	Ratio	Lower	Upper
43	100		
58	35.8	34.1	51.1

Instrument :
MSVOA_N
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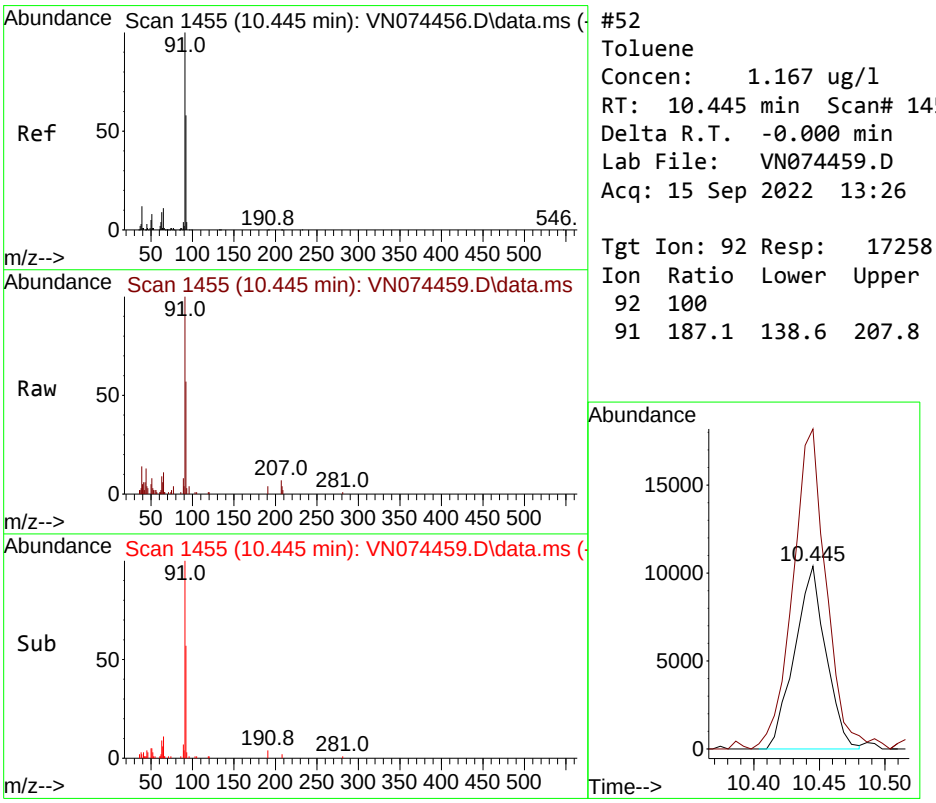
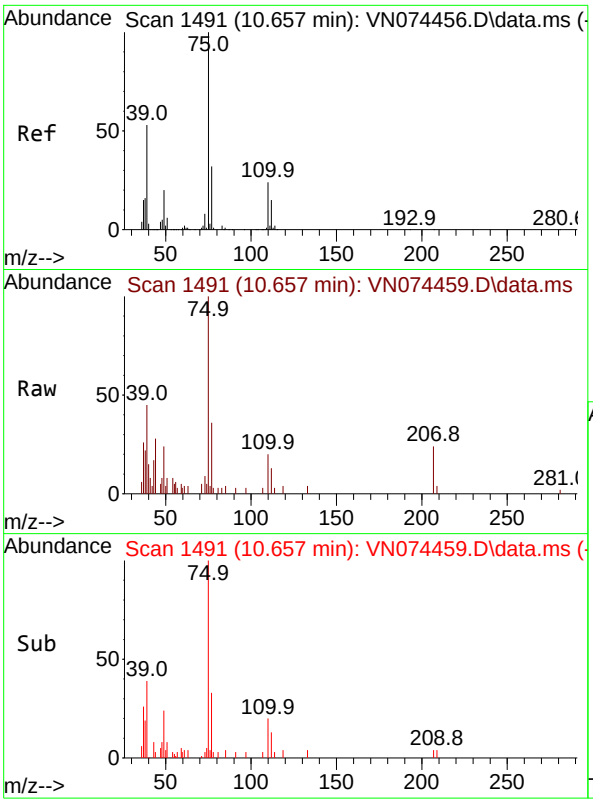


#52
Toluene
Concen: 1.167 ug/l
RT: 10.445 min Scan# 1455
Delta R.T. -0.000 min
Lab File: VN074459.D
Acq: 15 Sep 2022 13:26

Tgt Ion: 92 Resp: 17258

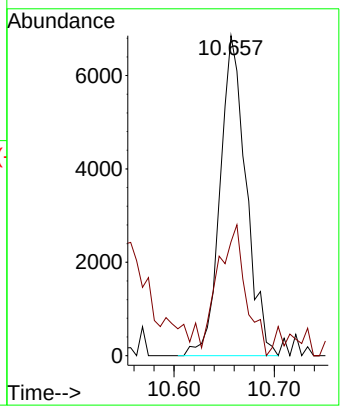
Ion	Ratio	Lower	Upper
92	100		
91	187.1	138.6	207.8



#53
t-1,3-Dichloropropene
Concen: 1.368 ug/l
RT: 10.657 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN074459.D
Acq: 15 Sep 2022 13:26

Tgt Ion: 75 Resp: 1231

Ion	Ratio	Lower	Upper
75	100		
77	27.2	25.6	38.4



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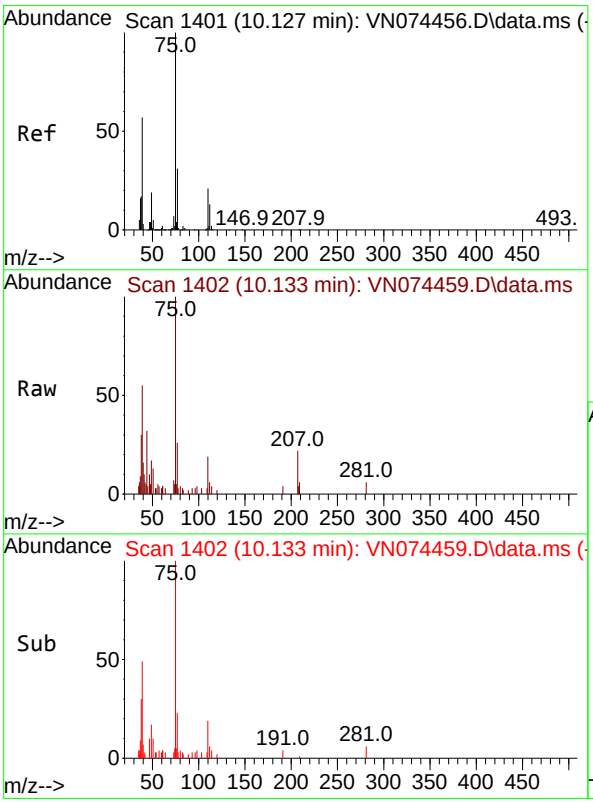
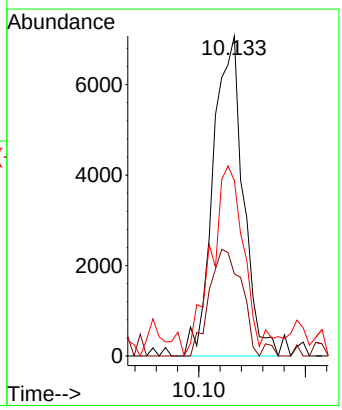
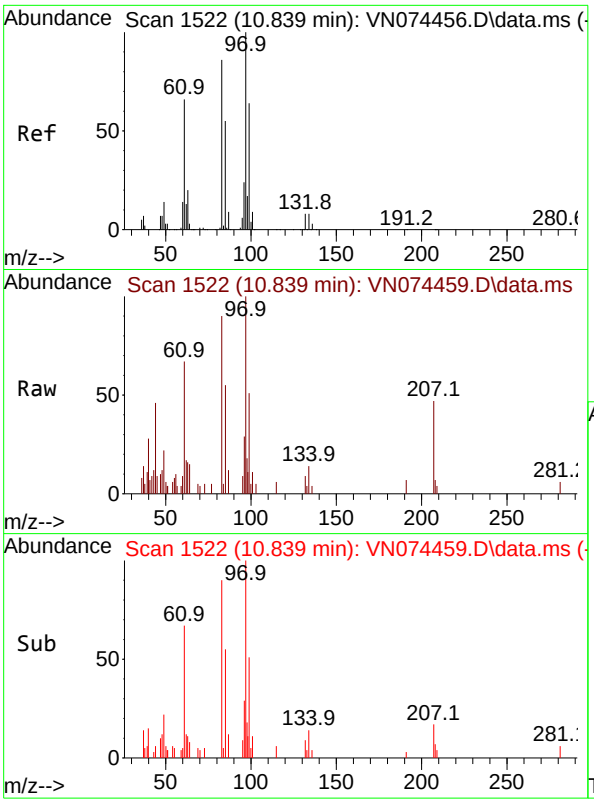


#54
cis-1,3-Dichloropropene
Concen: 1.406 ug/l
RT: 10.133 min Scan# 1402
Delta R.T. 0.006 min
Lab File: VN074459.D
Acq: 15 Sep 2022 13:26

Tgt Ion: 75 Resp: 13812

Ion	Ratio	Lower	Upper
75	100		
77	25.7	25.2	37.8
39	48.8	35.7	53.5

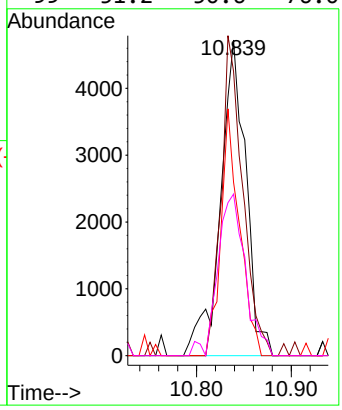




#55
1,1,2-Trichloroethane
Concen: 1.366 ug/l
RT: 10.839 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074459.D
Acq: 15 Sep 2022 13:26

Tgt Ion: 97 Resp: 880

Ion	Ratio	Lower	Upper
97	100		
83	90.0	66.2	99.4
85	54.9	43.9	65.9
99	51.2	50.6	76.0



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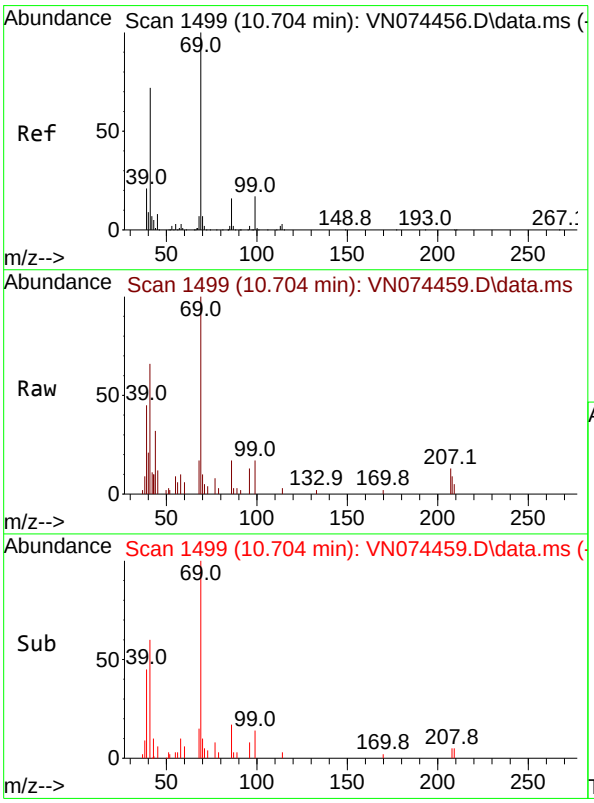
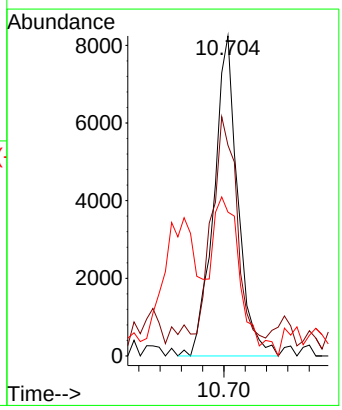
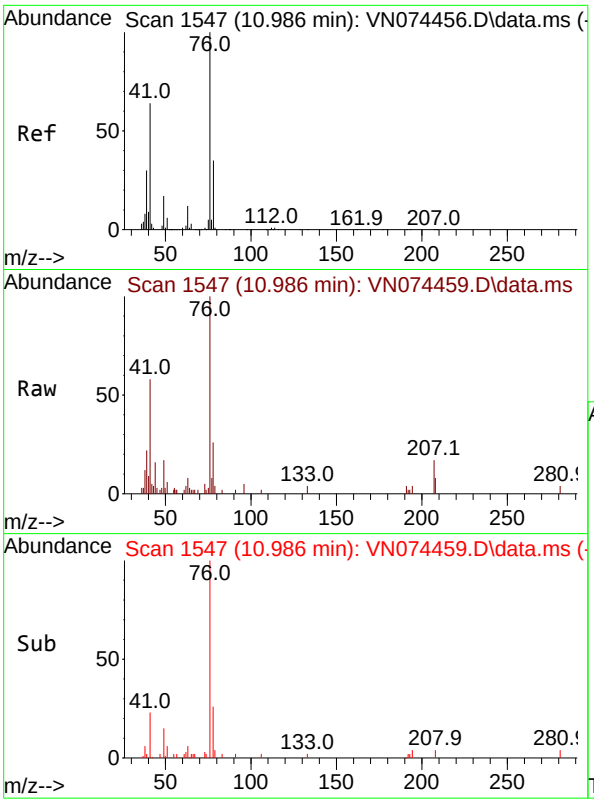


#56
Ethyl methacrylate
Concen: 1.225 ug/l
RT: 10.704 min Scan# 1499
Delta R.T. -0.000 min
Lab File: VN074459.D
Acq: 15 Sep 2022 13:26

Tgt Ion: 69 Resp: 12842

Ion	Ratio	Lower	Upper
69	100		
41	78.5	47.8	71.6#
39	59.4	27.3	40.9#

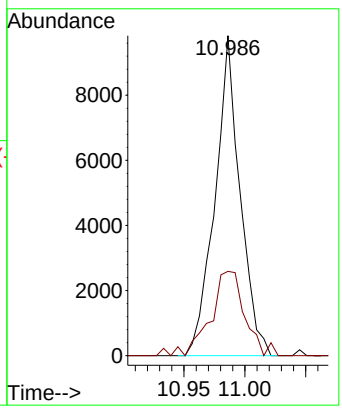




#57
1,3-Dichloropropane
Concen: 1.307 ug/l
RT: 10.986 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074459.D
Acq: 15 Sep 2022 13:26

Tgt Ion: 76 Resp: 1409

Ion	Ratio	Lower	Upper
76	100		
78	35.9	26.2	39.2



Instrument :
MSVOA_N
ClientSampleId :
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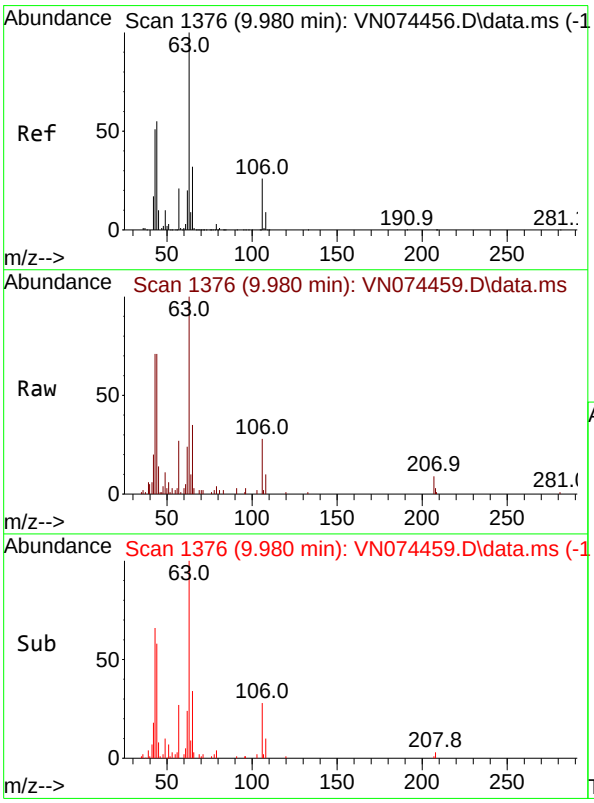
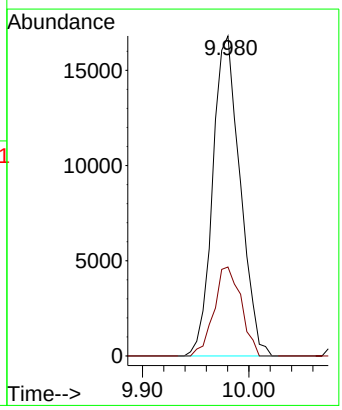
Supervised By :Mahesh Dadoda 09/16/2022

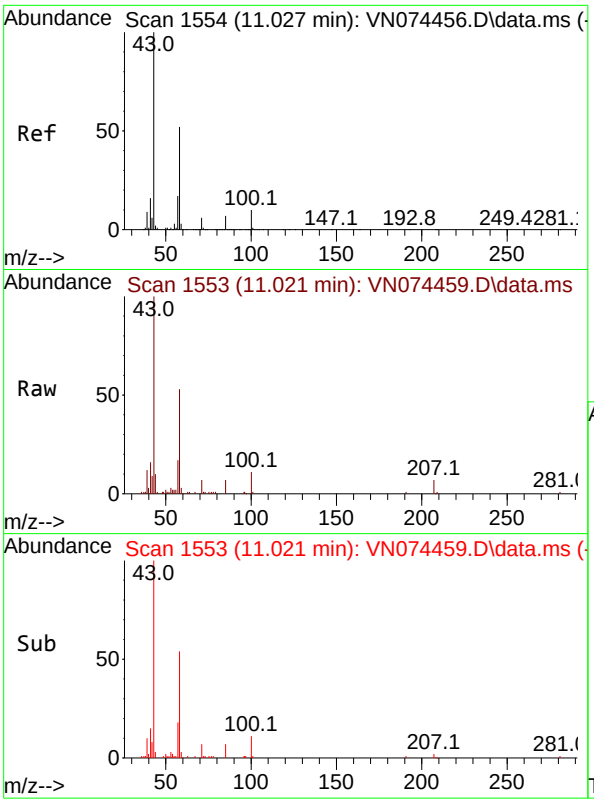


#58
2-Chloroethyl Vinyl ether
Concen: 6.489 ug/l
RT: 9.980 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VN074459.D
Acq: 15 Sep 2022 13:26

Tgt Ion: 63 Resp: 29991

Ion	Ratio	Lower	Upper
63	100		
106	27.6	24.6	36.8





#59
2-Hexanone
Concen: 6.689 ug/l
RT: 11.021 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN074459.D
Acq: 15 Sep 2022 13:26

Tgt Ion: 43 Resp: 6040

Ion	Ratio	Lower	Upper
43	100		
58	51.8	29.7	89.1

Instrument :
MSVOA_N
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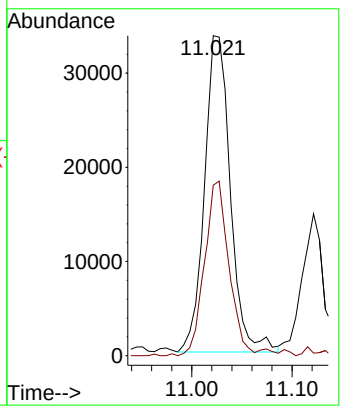
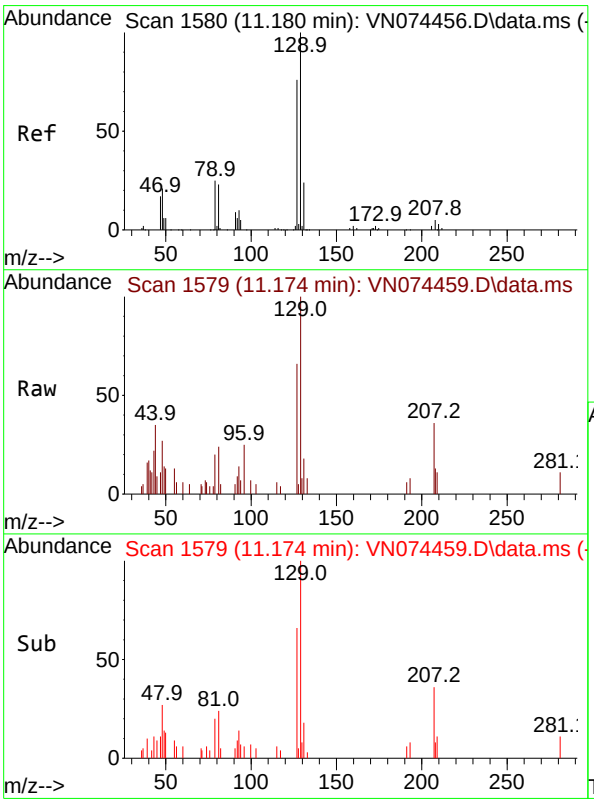
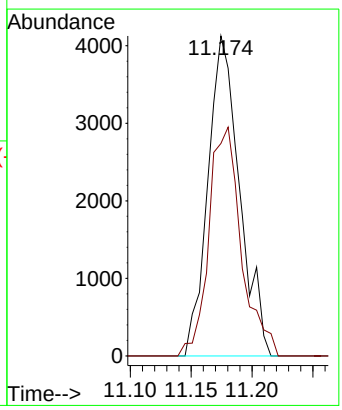


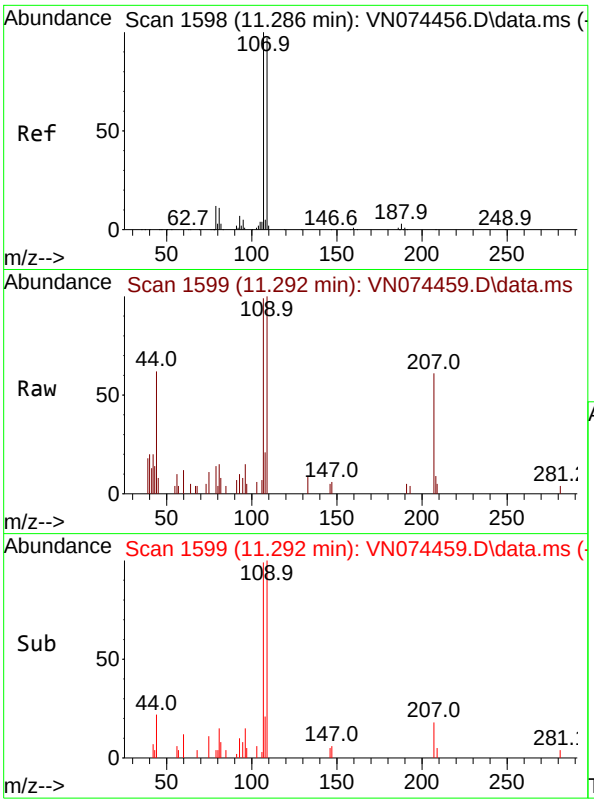


#60
Dibromochloromethane
Concen: 1.240 ug/l
RT: 11.174 min Scan# 1579
Delta R.T. -0.006 min
Lab File: VN074459.D
Acq: 15 Sep 2022 13:26

Tgt Ion:129 Resp: 7481

Ion	Ratio	Lower	Upper
129	100		
127	72.9	38.8	116.4

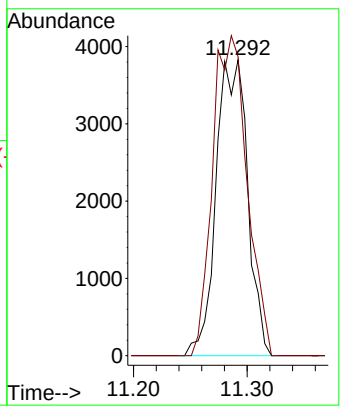




#61
1,2-Dibromoethane
Concen: 1.164 ug/l
RT: 11.292 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN074459.D
Acq: 15 Sep 2022 13:26

Tgt Ion:107 Resp: 735

Ion	Ratio	Lower	Upper
107	100		
109	118.7	75.0	112.6



Instrument :
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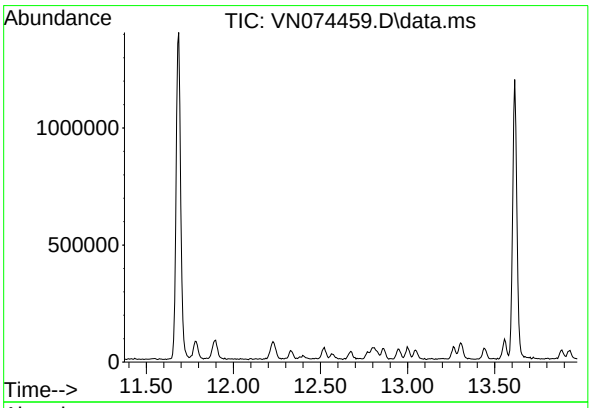
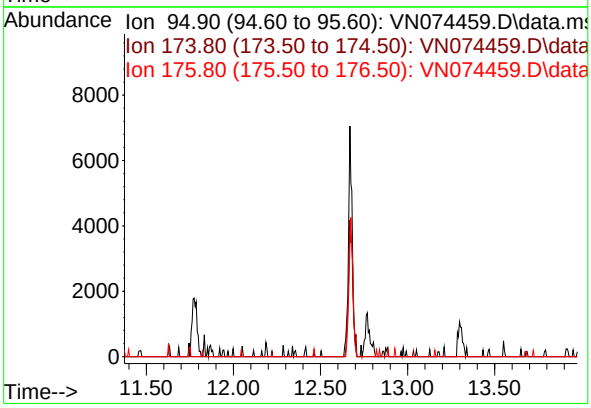


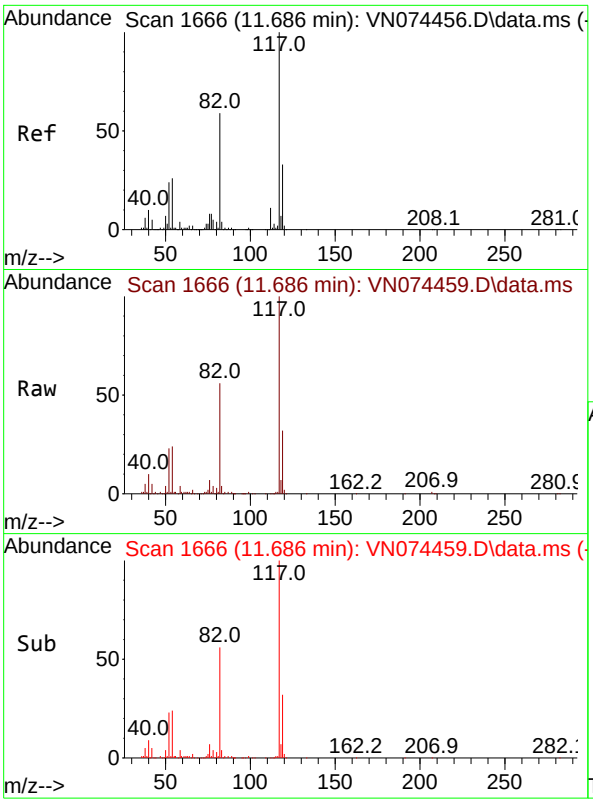
#62
4-Bromofluorobenzene
Concen: 0.000 ug/l
Expected RT: 12.67 min

Lab File: VN074459.D
Acq: 15 Sep 2022 13:26

Tgt Ion: 95

Sig	Exp Ratio
95	100
174	83.8
176	81.7





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074459.D
Acq: 15 Sep 2022 13:26

Tgt Ion:117 Resp: 75240

Ion	Ratio	Lower	Upper
117	100		
82	56.0	44.2	66.2
119	31.6	25.4	38.0

Instrument :
MSVOA_N
ClientSampleId :
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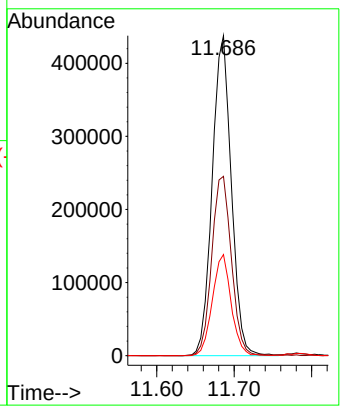
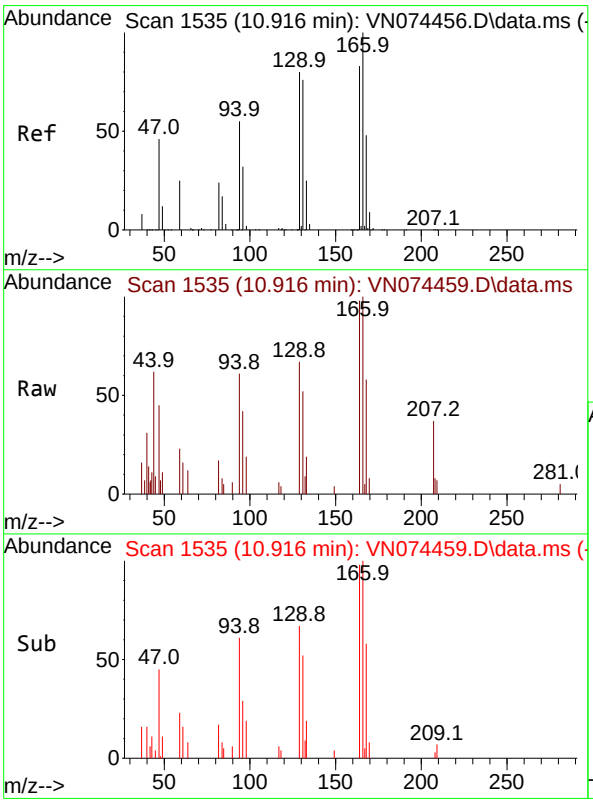
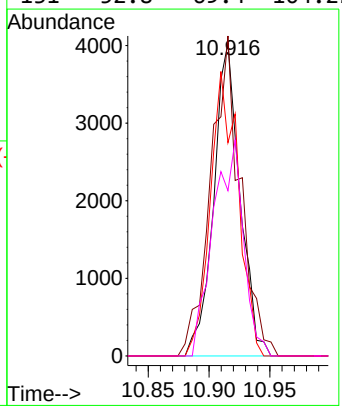


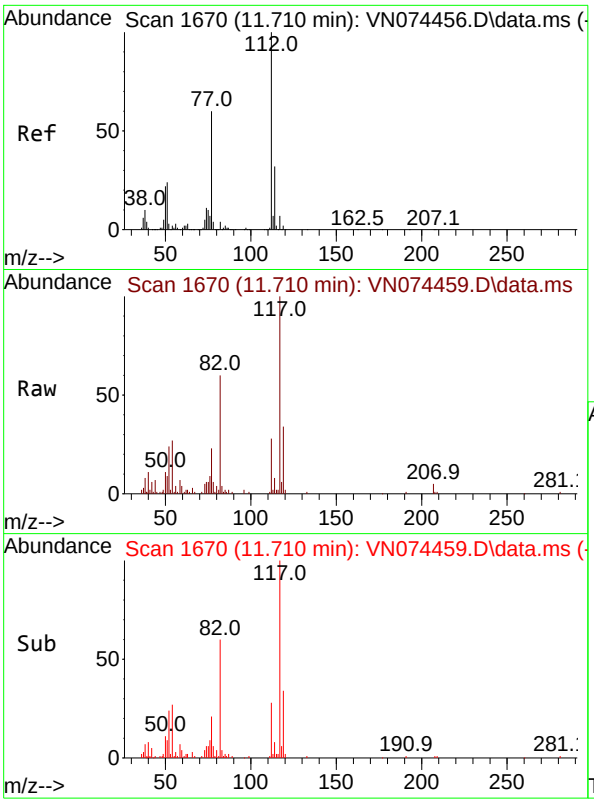


#64
Tetrachloroethene
Concen: 1.320 ug/l
RT: 10.916 min Scan# 1535
Delta R.T. -0.000 min
Lab File: VN074459.D
Acq: 15 Sep 2022 13:26

Tgt Ion:164 Resp: 6061

Ion	Ratio	Lower	Upper
164	100		
166	102.2	104.2	156.2#
129	68.1	73.9	110.9#
131	52.8	69.4	104.2#

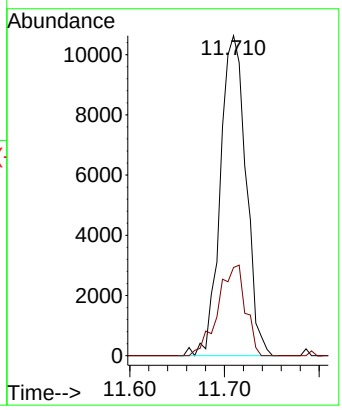




#65
Chlorobenzene
Concen: 1.329 ug/l
RT: 11.710 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074459.D
Acq: 15 Sep 2022 13:26

Tgt Ion:112 Resp: 2004

Ion	Ratio	Lower	Upper
112	100		
114	27.5	25.4	38.2



Instrument :
MSVOA_N
ClientSampleId :
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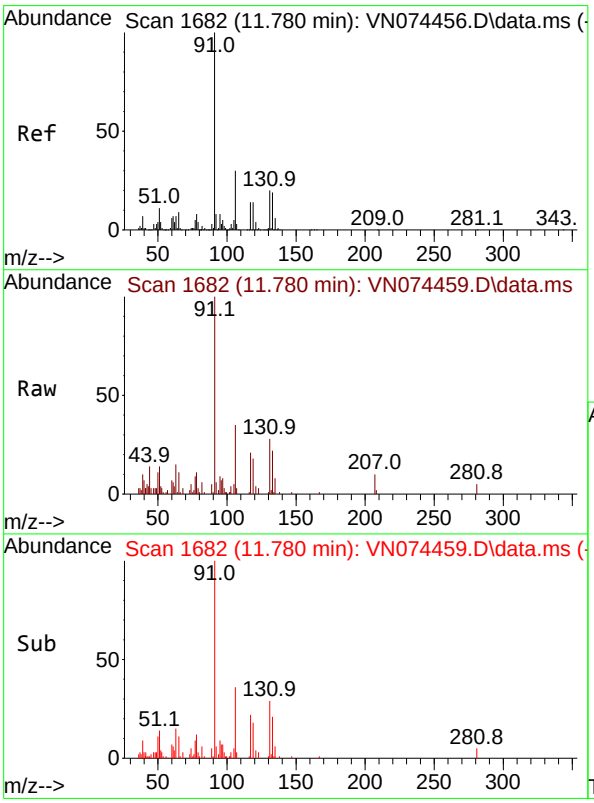
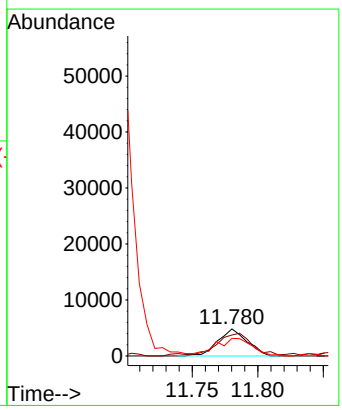
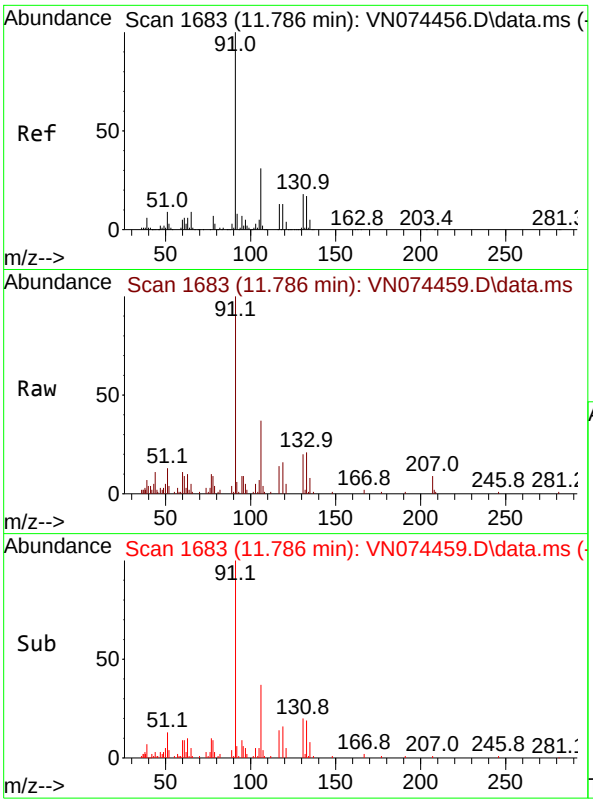


#66
1,1,1,2-Tetrachloroethane
Concen: 1.308 ug/l
RT: 11.780 min Scan# 1682
Delta R.T. -0.000 min
Lab File: VN074459.D
Acq: 15 Sep 2022 13:26

Tgt Ion:131 Resp: 7445

Ion	Ratio	Lower	Upper
131	100		
133	95.7	47.8	143.4
119	0.0	33.4	100.2#

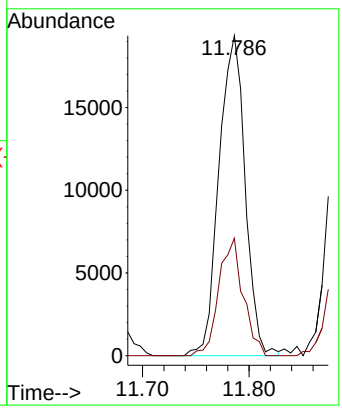




#67
Ethyl Benzene
Concen: 1.228 ug/l
RT: 11.786 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074459.D
Acq: 15 Sep 2022 13:26

Tgt Ion: 91 Resp: 3295

Ion	Ratio	Lower	Upper
91	100		
106	36.7	24.9	37.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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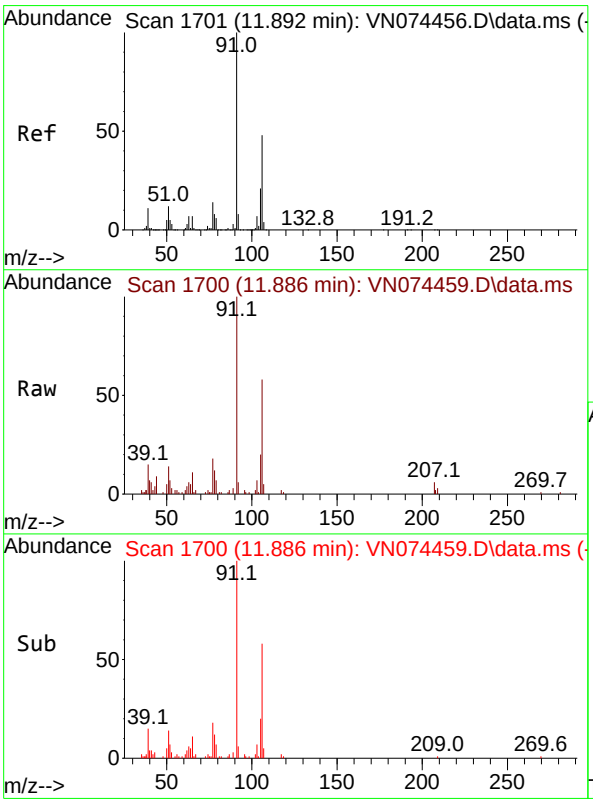
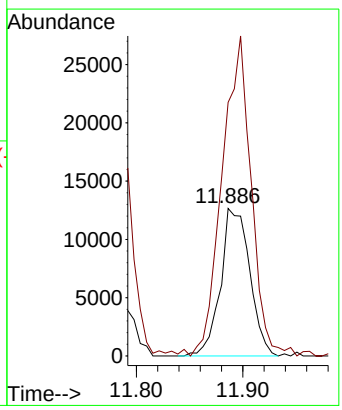
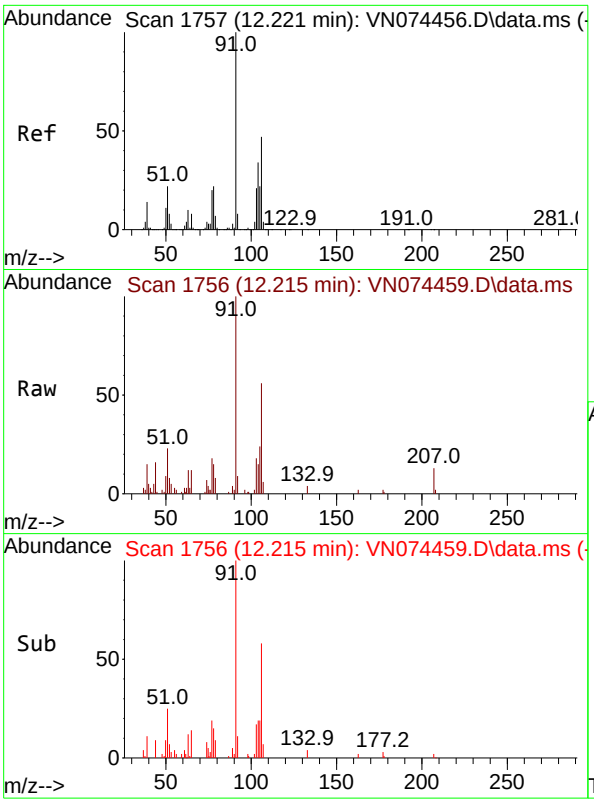


#68
m/p-Xylenes
Concen: 2.296 ug/l
RT: 11.886 min Scan# 1700
Delta R.T. -0.006 min
Lab File: VN074459.D
Acq: 15 Sep 2022 13:26

Tgt Ion:106 Resp: 24061

Ion	Ratio	Lower	Upper
106	100		
91	217.7	158.9	238.3





#69
o-Xylene
Concen: 1.237 ug/l
RT: 12.215 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN074459.D
Acq: 15 Sep 2022 13:26

Tgt Ion:106 Resp: 1298

Ion	Ratio	Lower	Upper
106	100		
91	214.5	106.0	318.0

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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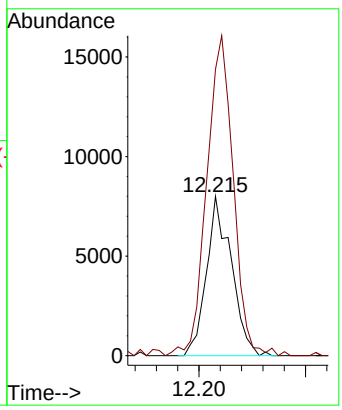
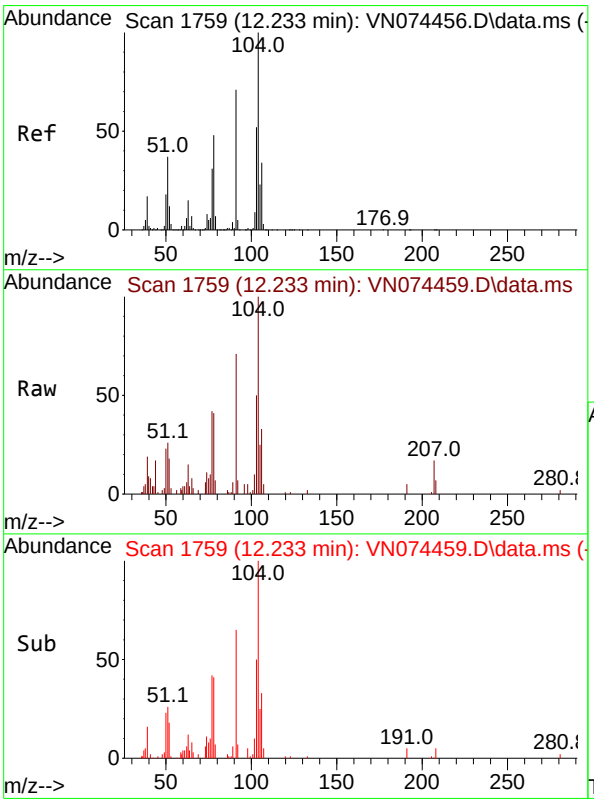
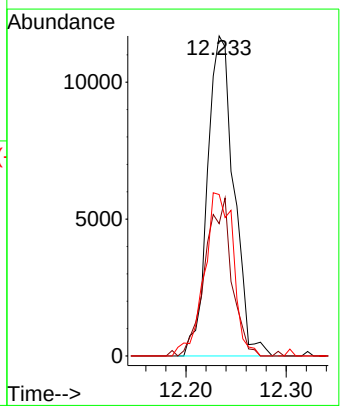


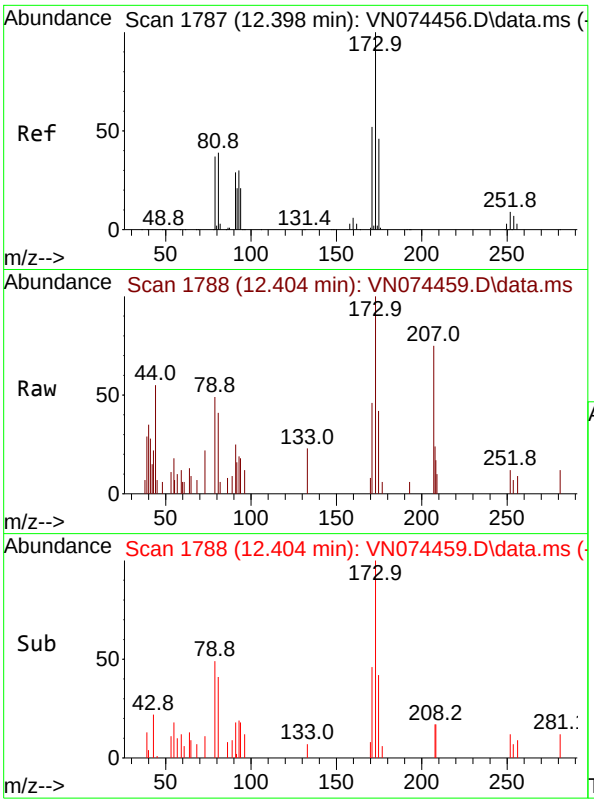


#70
Styrene
Concen: 1.267 ug/l
RT: 12.233 min Scan# 1759
Delta R.T. -0.000 min
Lab File: VN074459.D
Acq: 15 Sep 2022 13:26

Tgt Ion:104 Resp: 21433

Ion	Ratio	Lower	Upper
104	100		
78	50.2	39.5	59.3
103	55.9	44.0	66.0

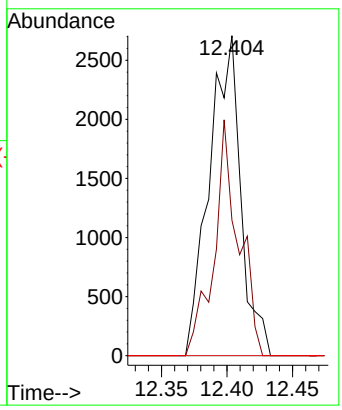




#71
Bromoform
Concen: 1.061 ug/l
RT: 12.404 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN074459.D
Acq: 15 Sep 2022 13:26

Tgt Ion:173 Resp: 452

Ion	Ratio	Lower	Upper
173	100		
175	57.3	24.6	73.6
254	0.0	0.1	0.1



Instrument :
MSVOA_N
ClientSampleId :
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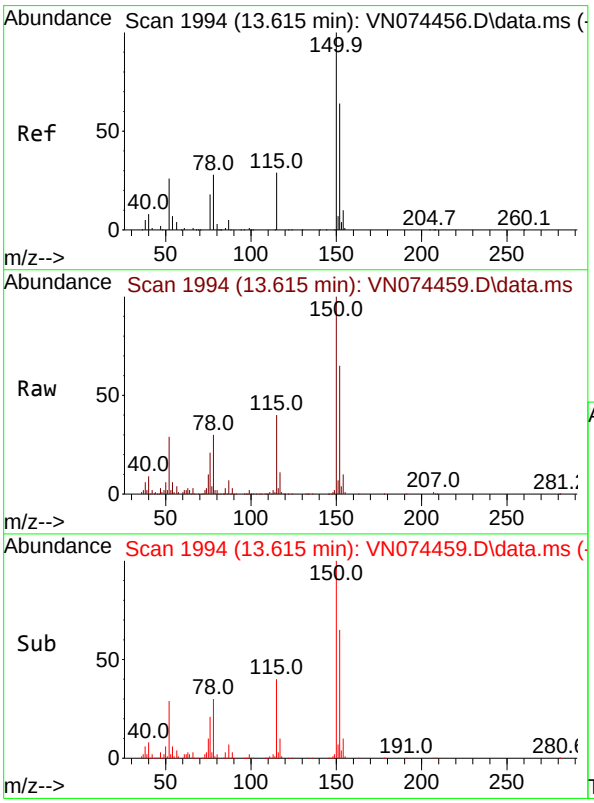
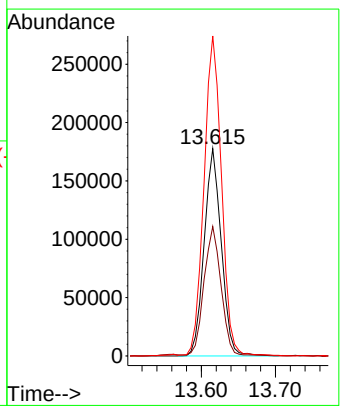
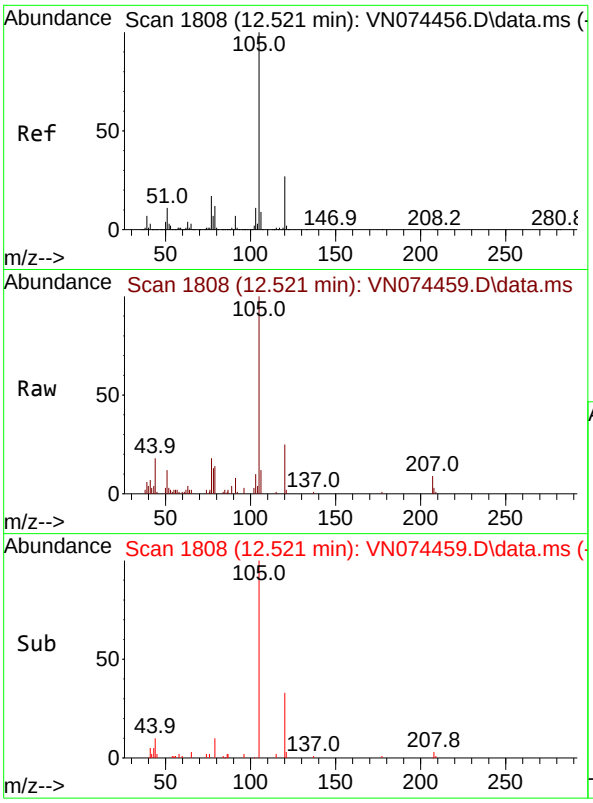


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.615 min Scan# 1994
Delta R.T. -0.000 min
Lab File: VN074459.D
Acq: 15 Sep 2022 13:26

Tgt Ion:152 Resp: 285751

Ion	Ratio	Lower	Upper
152	100		
115	62.5	28.9	86.7
150	157.9	0.0	356.2

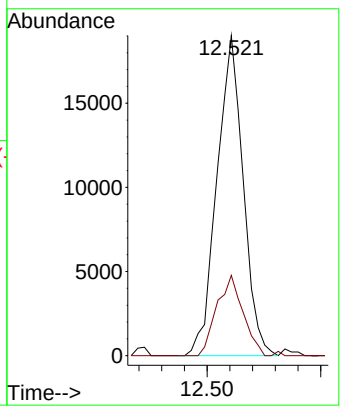




#73
Isopropylbenzene
Concen: 1.340 ug/l
RT: 12.521 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074459.D
Acq: 15 Sep 2022 13:26

Tgt Ion:105 Resp: 3056

Ion	Ratio	Lower	Upper
105	100		
120	25.0	13.5	40.4



Instrument :
MSVOA_N
ClientSampleId :
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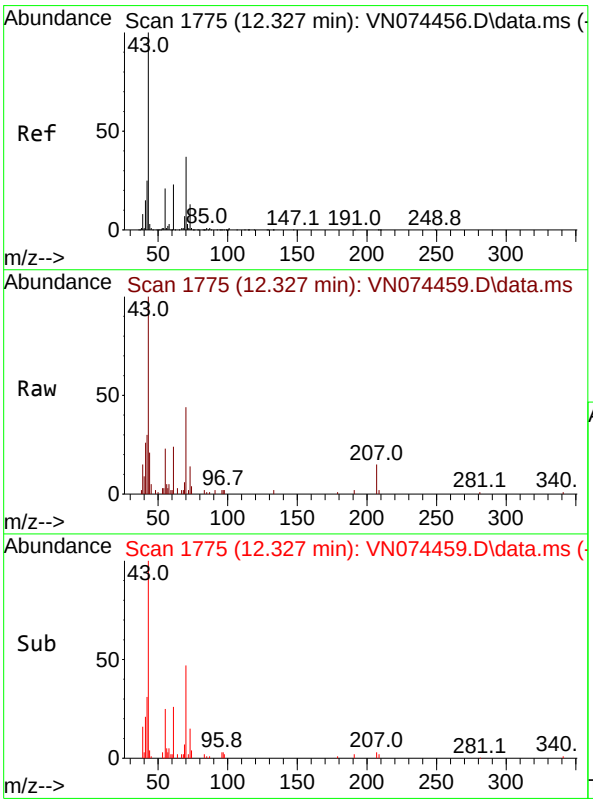
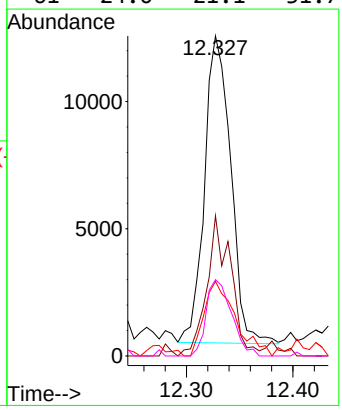
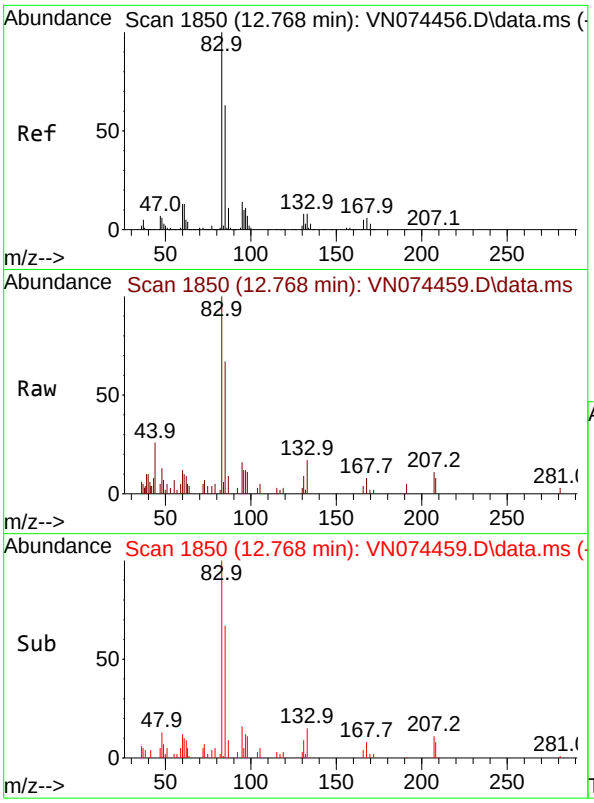


#74
N-amyl acetate
Concen: 1.696 ug/l
RT: 12.327 min Scan# 1775
Delta R.T. -0.000 min
Lab File: VN074459.D
Acq: 15 Sep 2022 13:26

Tgt Ion: 43 Resp: 20663

Ion	Ratio	Lower	Upper
43	100		
70	41.9	39.0	58.4
55	28.9	21.1	31.7
61	24.0	21.1	31.7

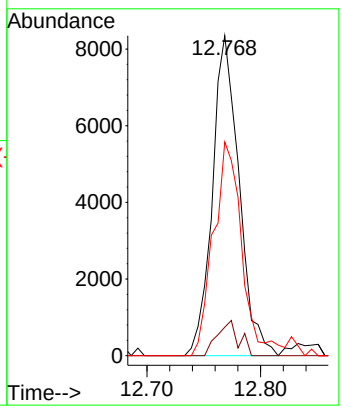




#75
1,1,2,2-Tetrachloroethane
Concen: 1.637 ug/l
RT: 12.768 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074459.D
Acq: 15 Sep 2022 13:26

Tgt Ion: 83 Resp: 1363

Ion	Ratio	Lower	Upper
83	100		
131	8.7	5.3	15.9
85	71.1	32.3	96.9



Instrument :
MSVOA_N
ClientSampleId :
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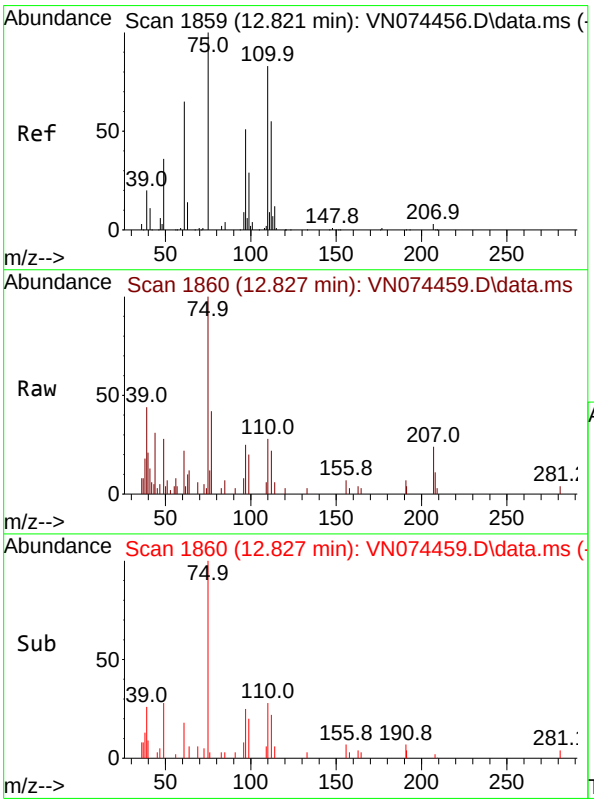
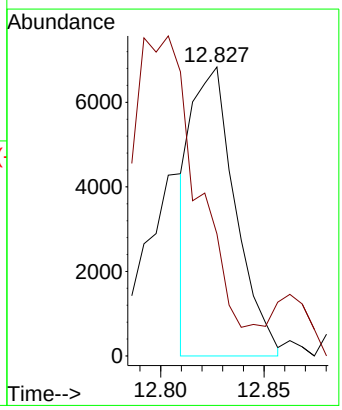
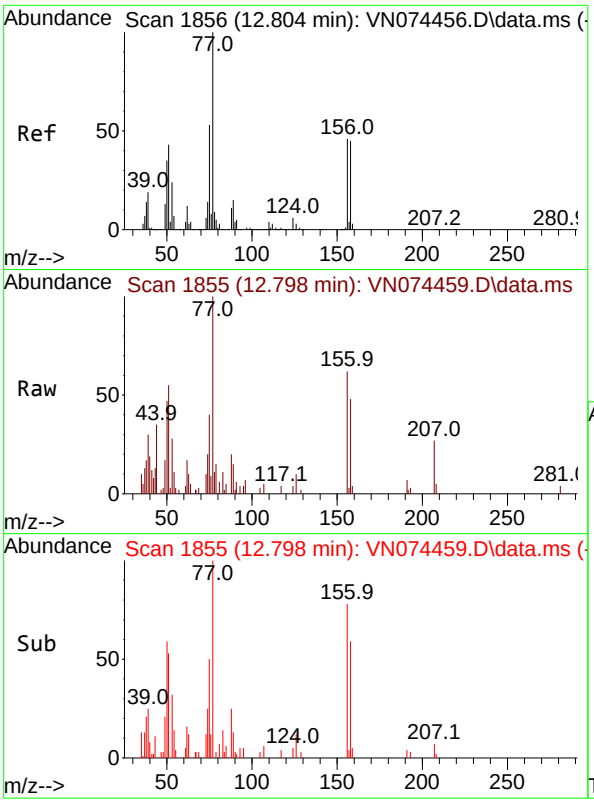


#76
1,2,3-Trichloropropane
Concen: 1.419 ug/l m
RT: 12.827 min Scan# 1860
Delta R.T. 0.006 min
Lab File: VN074459.D
Acq: 15 Sep 2022 13:26

Tgt Ion: 75 Resp: 10176

Ion	Ratio	Lower	Upper
75	100		
77	0.0	98.5	295.5#

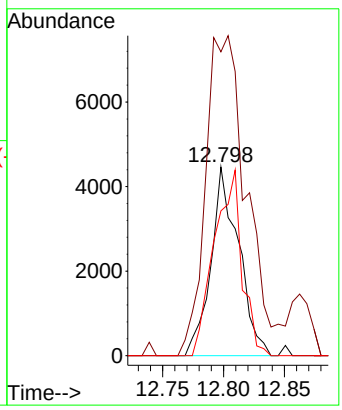




#77
Bromobenzene
Concen: 1.325 ug/l
RT: 12.798 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN074459.D
Acq: 15 Sep 2022 13:26

Tgt Ion:156 Resp: 705

Ion	Ratio	Lower	Upper
156	100		
77	252.6	100.5	301.5
158	98.5	48.9	146.6



Instrument :
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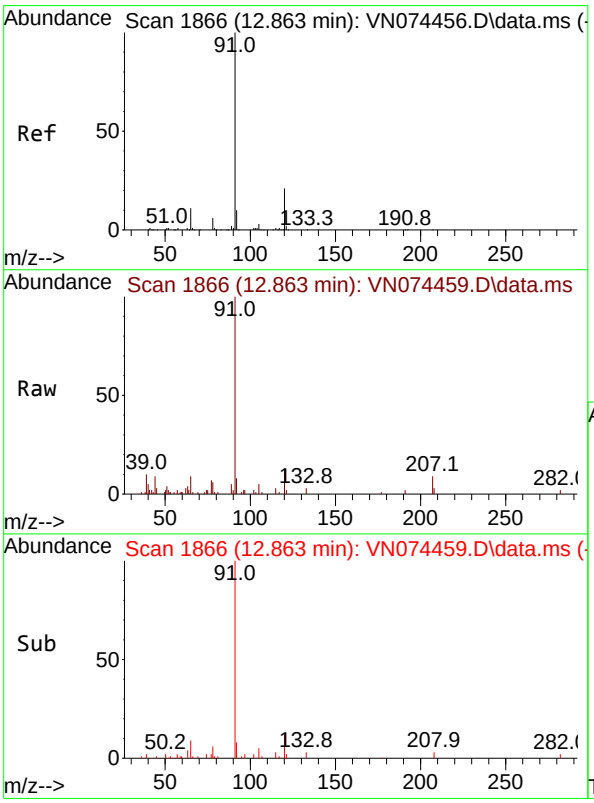
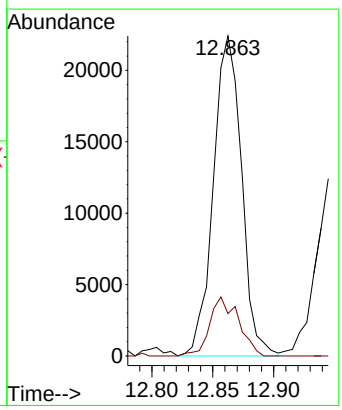
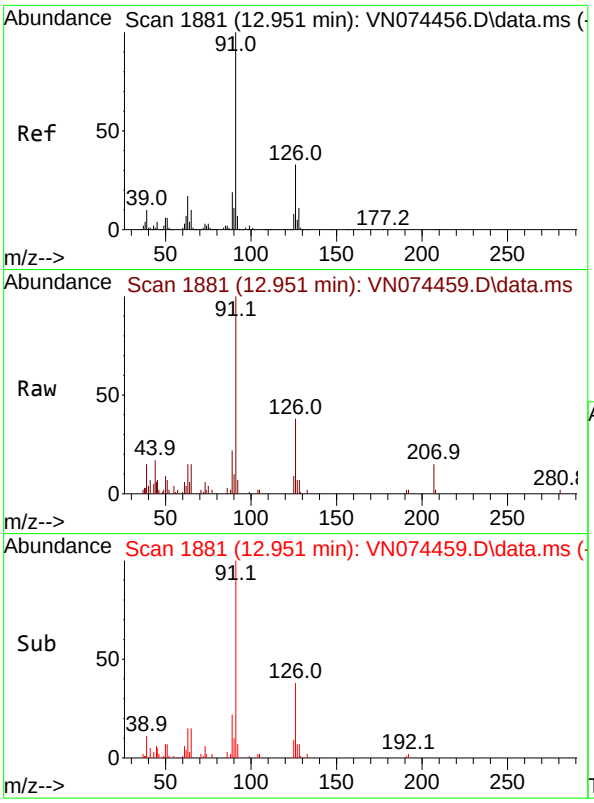


#78
n-propylbenzene
Concen: 1.418 ug/l
RT: 12.863 min Scan# 1866
Delta R.T. -0.000 min
Lab File: VN074459.D
Acq: 15 Sep 2022 13:26

Tgt Ion: 91 Resp: 36146

Ion	Ratio	Lower	Upper
91	100		
120	18.8	11.9	35.5

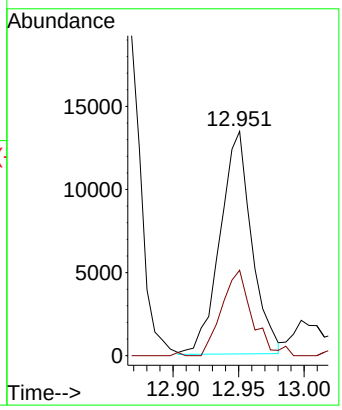




#79
2-Chlorotoluene
Concen: 1.383 ug/l
RT: 12.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074459.D
Acq: 15 Sep 2022 13:26

Tgt Ion: 91 Resp: 2249

Ion	Ratio	Lower	Upper
91	100		
126	37.0	17.3	51.9



Instrument :
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ClientSampleId :
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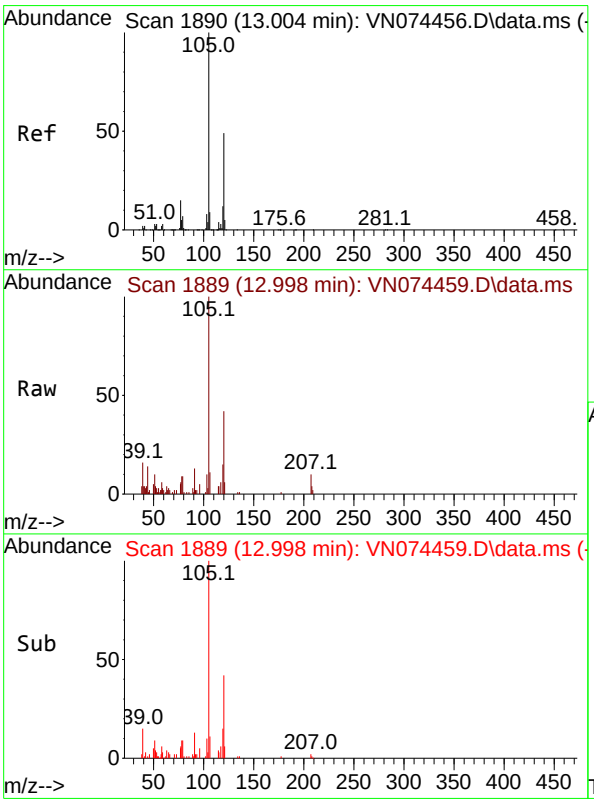
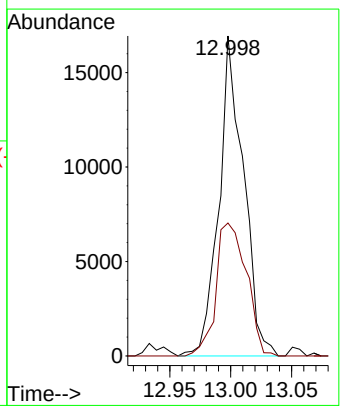
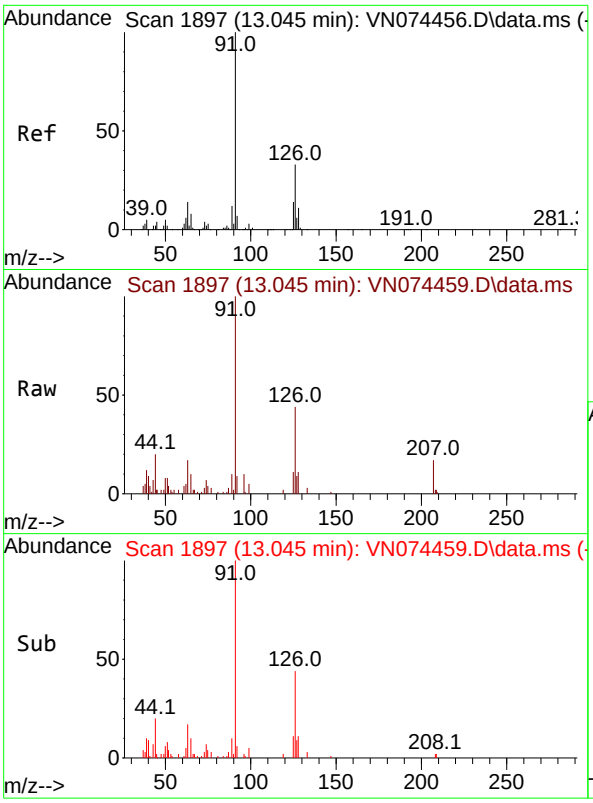


#80
1,3,5-Trimethylbenzene
Concen: 1.275 ug/l
RT: 12.998 min Scan# 1889
Delta R.T. -0.006 min
Lab File: VN074459.D
Acq: 15 Sep 2022 13:26

Tgt Ion:105 Resp: 23853

Ion	Ratio	Lower	Upper
105	100		
120	51.4	24.9	74.7

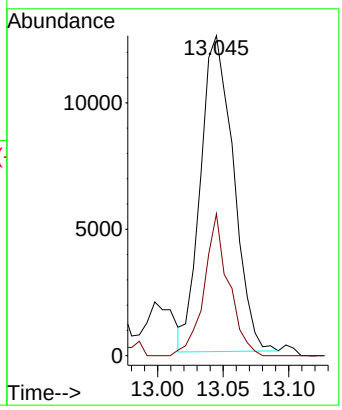




#82
4-Chlorotoluene
Concen: 1.418 ug/l
RT: 13.045 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074459.D
Acq: 15 Sep 2022 13:26

Tgt Ion: 91 Resp: 2180

Ion	Ratio	Lower	Upper
91	100		
126	33.4	17.2	51.6



Instrument :
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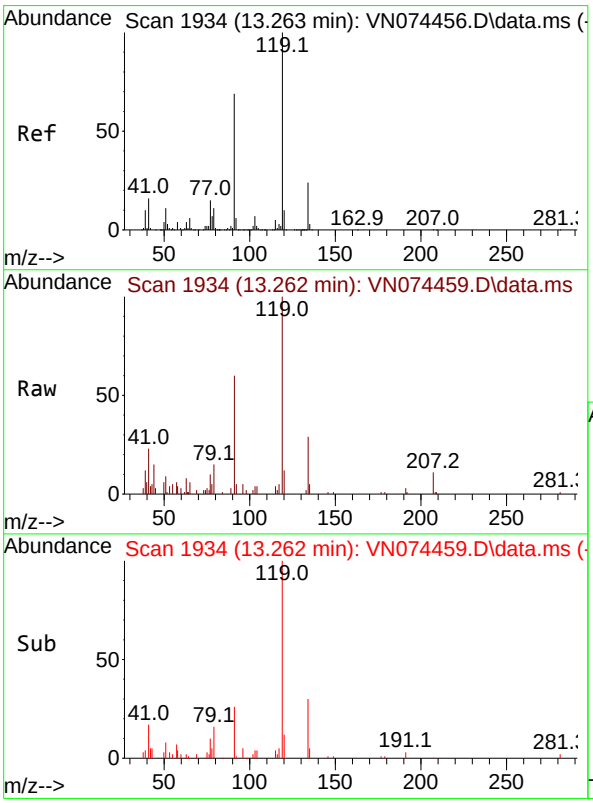
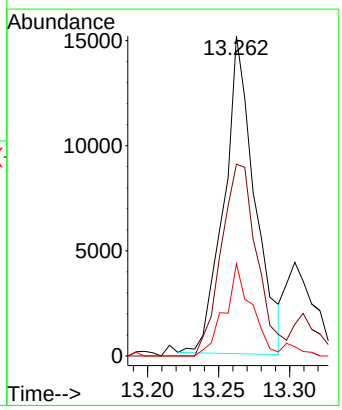
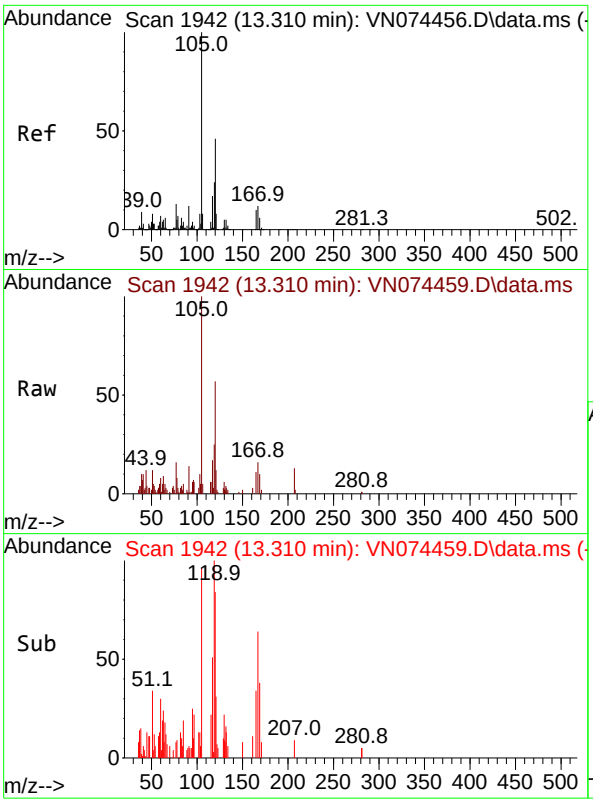


#83
tert-Butylbenzene
Concen: 1.331 ug/l
RT: 13.262 min Scan# 1934
Delta R.T. -0.000 min
Lab File: VN074459.D
Acq: 15 Sep 2022 13:26

Tgt Ion:119 Resp: 22707

Ion	Ratio	Lower	Upper
119	100		
91	70.7	31.6	94.8
134	25.4	13.7	41.1

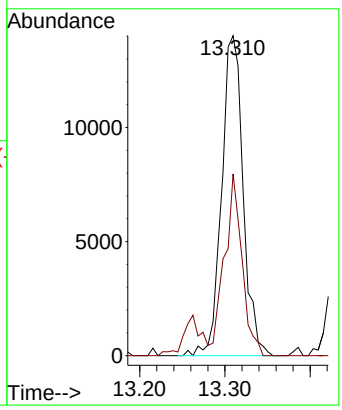




#84
1,2,4-Trimethylbenzene
Concen: 1.313 ug/l
RT: 13.310 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074459.D
Acq: 15 Sep 2022 13:26

Tgt Ion:105 Resp: 2450

Ion	Ratio	Lower	Upper
105	100		
120	46.6	23.3	69.8



Instrument :
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ClientSampleId :
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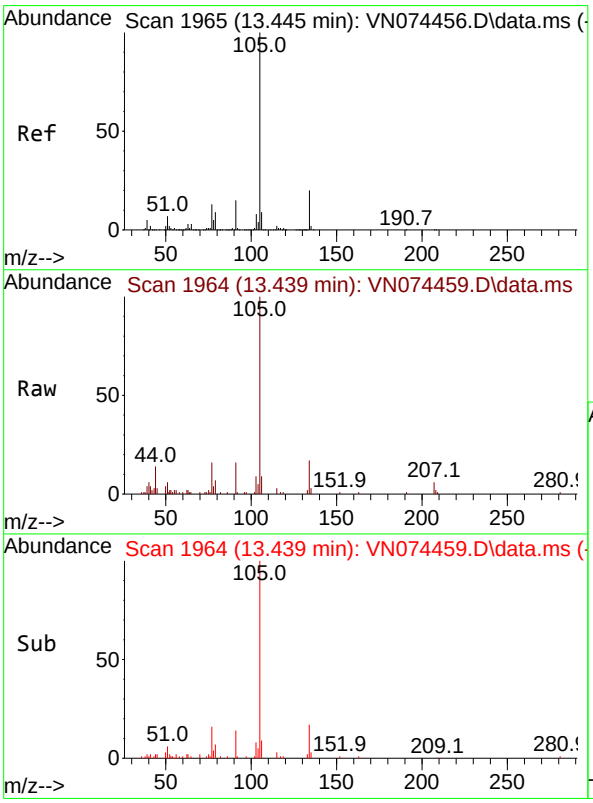
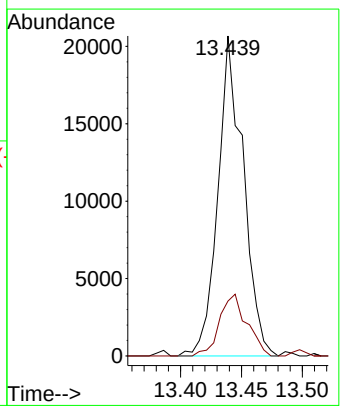
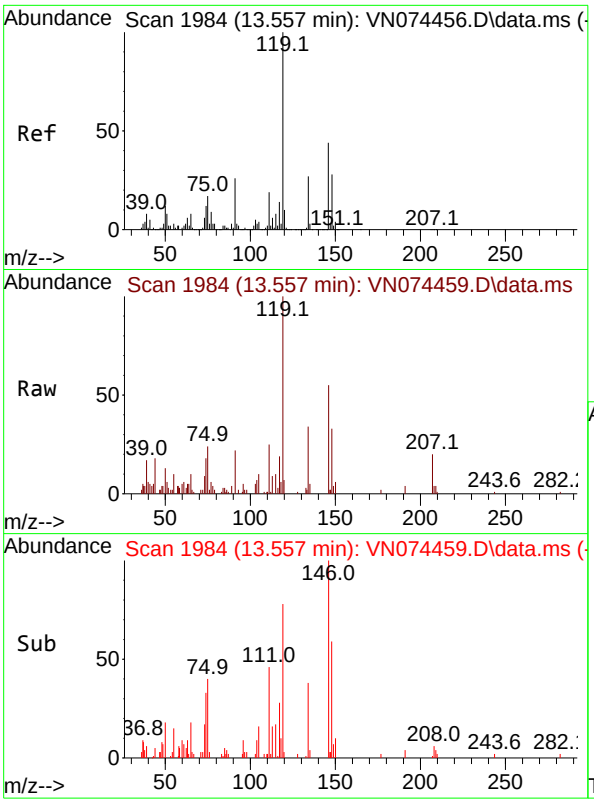


#85
sec-Butylbenzene
Concen: 1.305 ug/l
RT: 13.439 min Scan# 1964
Delta R.T. -0.006 min
Lab File: VN074459.D
Acq: 15 Sep 2022 13:26

Tgt Ion:105 Resp: 30062

Ion	Ratio	Lower	Upper
105	100		
134	20.7	10.4	31.1

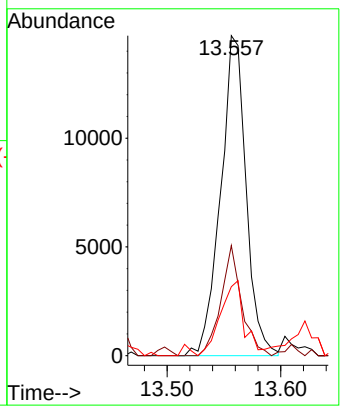




#86
p-Isopropyltoluene
Concen: 1.241 ug/l
RT: 13.557 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074459.D
Acq: 15 Sep 2022 13:26

Tgt Ion:119 Resp: 2298

Ion	Ratio	Lower	Upper
119	100		
134	28.0	13.3	39.8
91	21.8	11.3	33.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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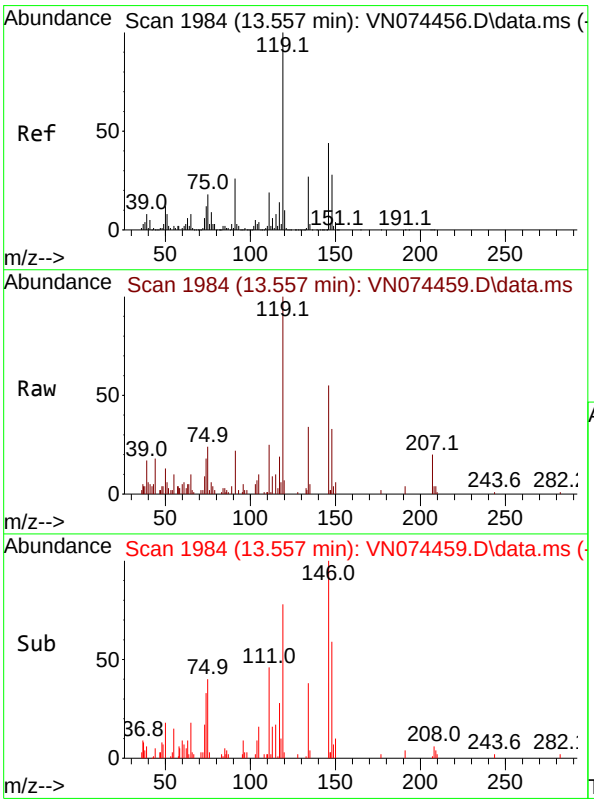
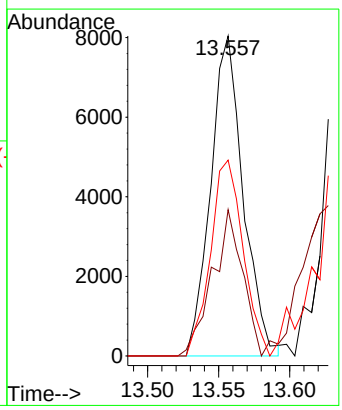
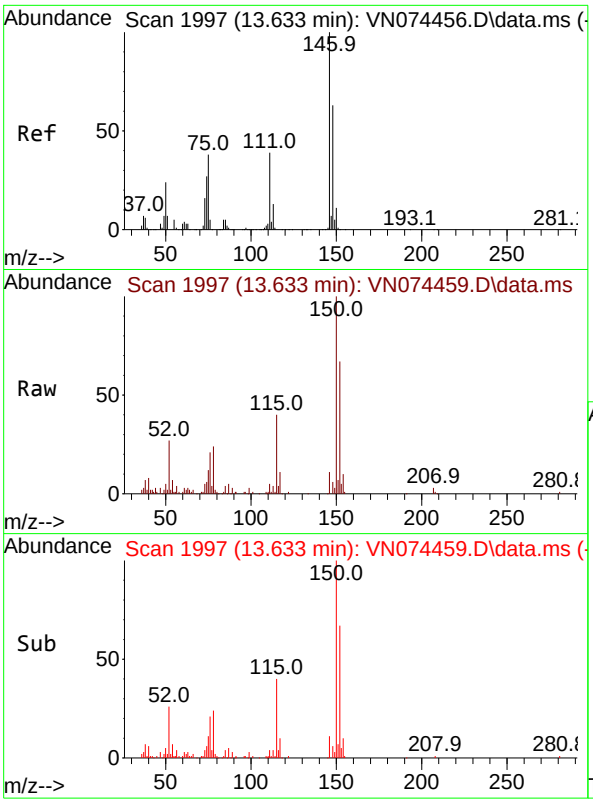


#87
1,3-Dichlorobenzene
Concen: 1.330 ug/l
RT: 13.557 min Scan# 1984
Delta R.T. -0.000 min
Lab File: VN074459.D
Acq: 15 Sep 2022 13:26

Tgt Ion:146 Resp: 12817

Ion	Ratio	Lower	Upper
146	100		
111	42.3	20.0	60.0
148	61.3	32.0	96.0

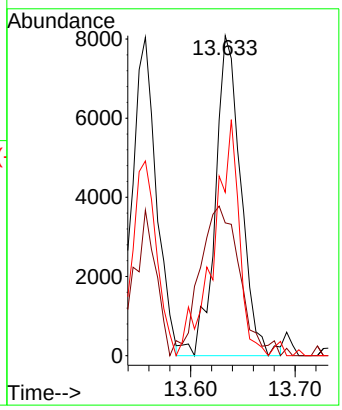




#88
1,4-Dichlorobenzene
Concen: 1.422 ug/l m
RT: 13.633 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074459.D
Acq: 15 Sep 2022 13:26

Tgt Ion:146 Resp: 1378

Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.1	57.1
148	57.0	31.4	94.3



Instrument :
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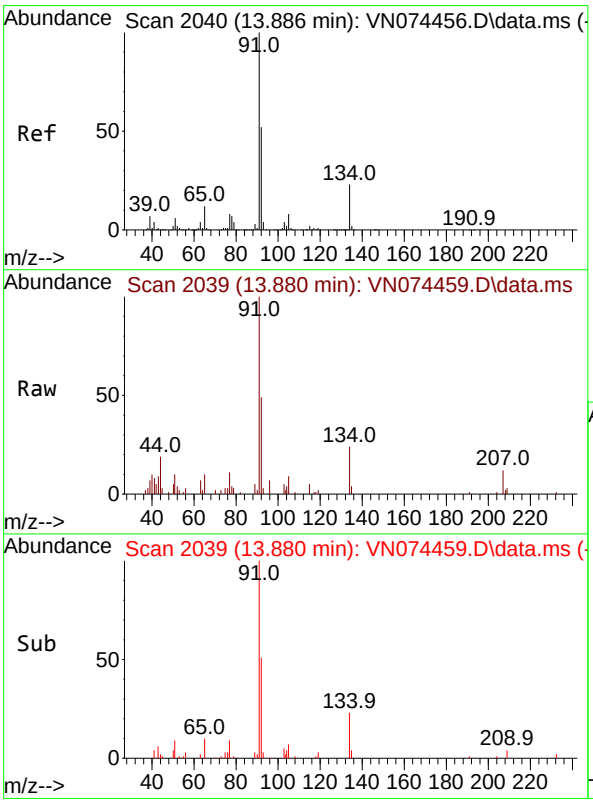
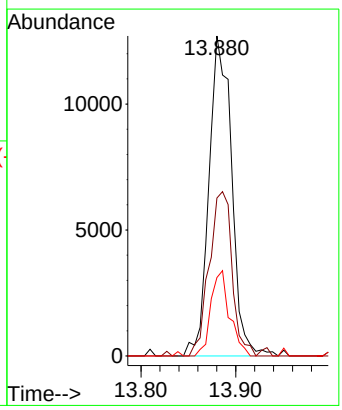
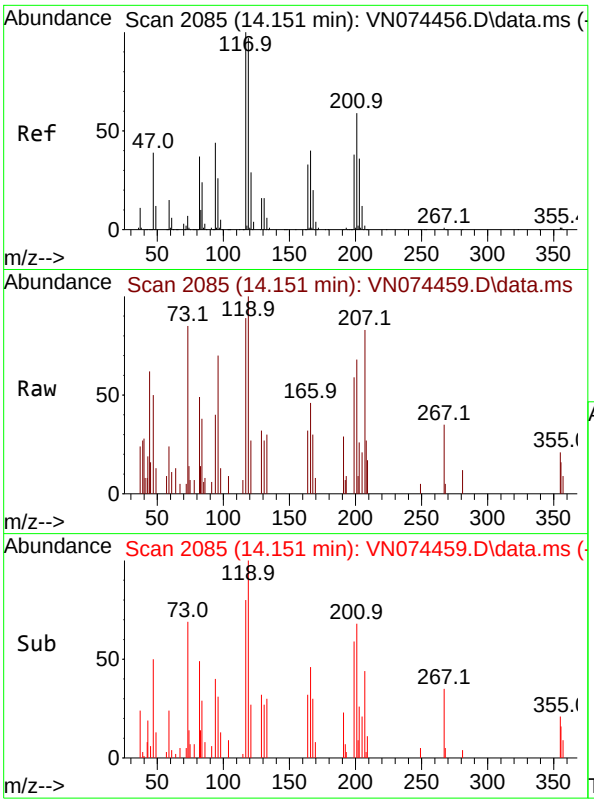


#89
n-Butylbenzene
Concen: 1.369 ug/l
RT: 13.880 min Scan# 2039
Delta R.T. -0.006 min
Lab File: VN074459.D
Acq: 15 Sep 2022 13:26

Tgt Ion: 91 Resp: 21102

Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.9	80.7
134	22.1	13.6	40.8





#90
Hexachloroethane
Concen: 1.582 ug/l
RT: 14.151 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN074459.D
Acq: 15 Sep 2022 13:26

Tgt Ion:117 Resp: 562

Ion	Ratio	Lower	Upper
117	100		
201	58.7	40.6	122.0

Instrument :
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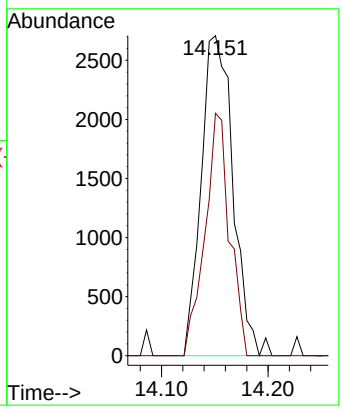
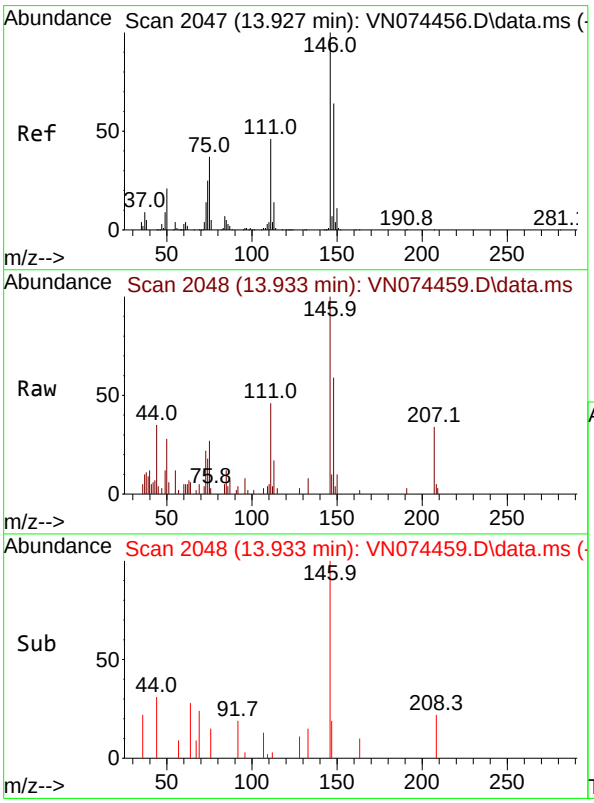
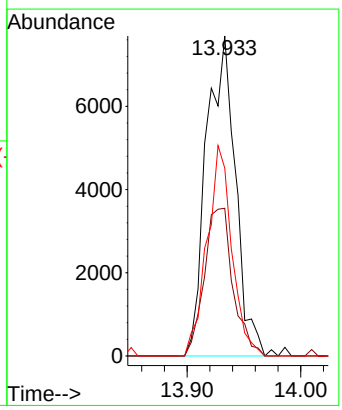


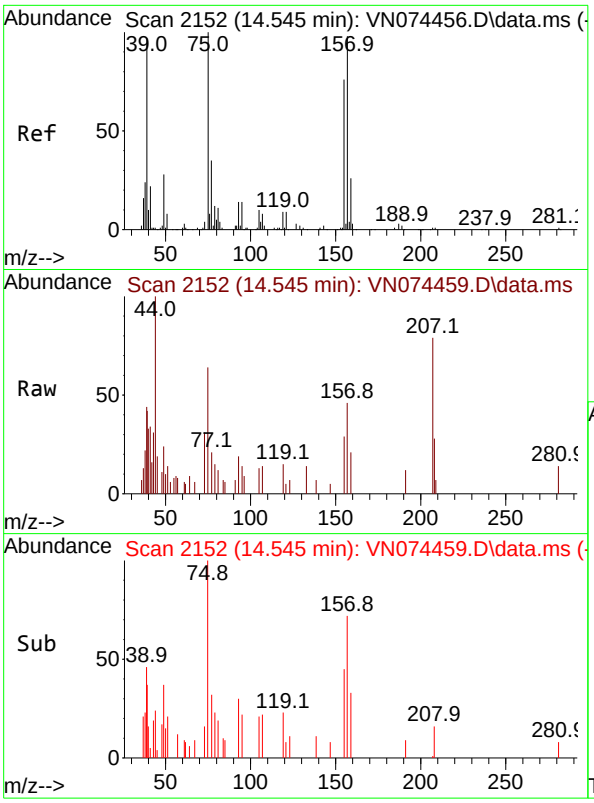


#91
1,2-Dichlorobenzene
Concen: 1.375 ug/l
RT: 13.933 min Scan# 2048
Delta R.T. 0.006 min
Lab File: VN074459.D
Acq: 15 Sep 2022 13:26

Tgt Ion:146 Resp: 13735

Ion	Ratio	Lower	Upper
146	100		
111	45.4	20.9	62.8
148	56.1	32.1	96.3

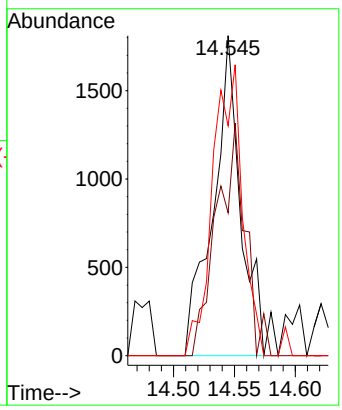




#92
1,2-Dibromo-3-Chloropropane
Concen: 1.340 ug/l
RT: 14.545 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN074459.D
Acq: 15 Sep 2022 13:26

Tgt Ion: 75 Resp: 293

Ion	Ratio	Lower	Upper
75	100		
155	73.1	44.9	134.5
157	94.6	59.0	176.8



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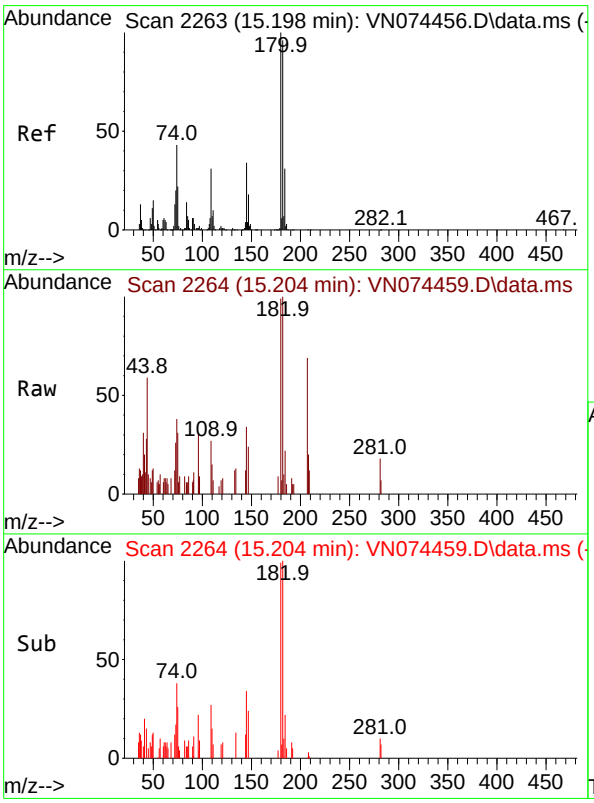
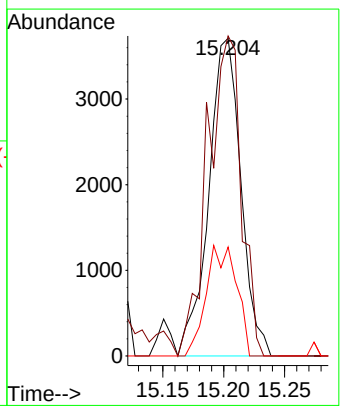
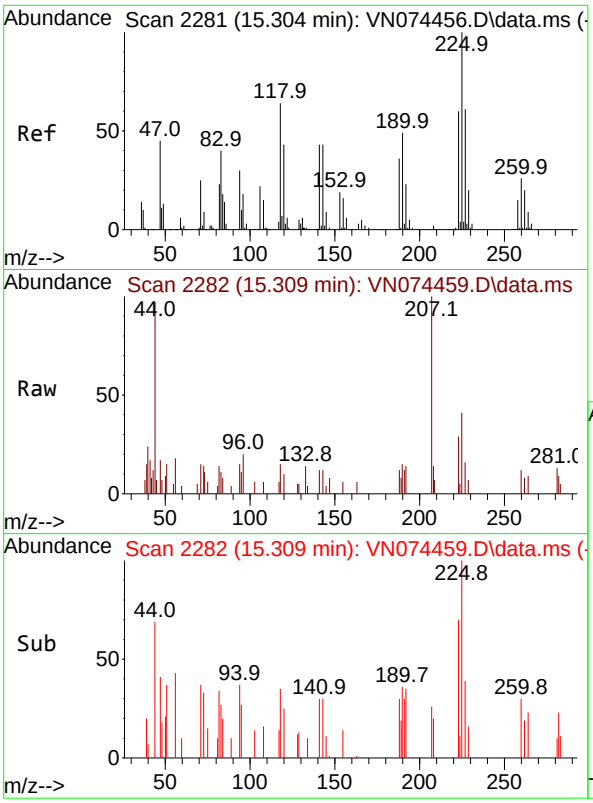


#93
1,2,4-Trichlorobenzene
Concen: 1.265 ug/l
RT: 15.204 min Scan# 2264
Delta R.T. 0.006 min
Lab File: VN074459.D
Acq: 15 Sep 2022 13:26

Tgt Ion:180 Resp: 6828

Ion	Ratio	Lower	Upper
180	100		
182	105.4	47.5	142.5
145	32.7	14.5	43.5

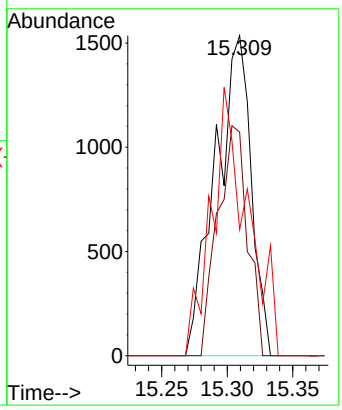




#94
Hexachlorobutadiene
Concen: 1.244 ug/l
RT: 15.309 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN074459.D
Acq: 15 Sep 2022 13:26

Tgt Ion:225 Resp: 290

Ion	Ratio	Lower	Upper
225	100		
223	59.8	32.4	97.2
227	84.1	31.8	95.4



Instrument :
MSVOA_N
ClientSampleId :
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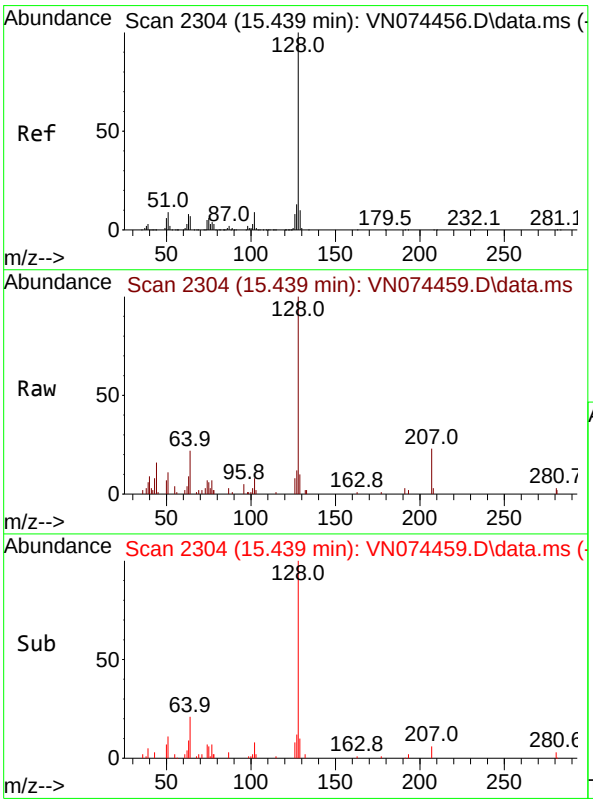
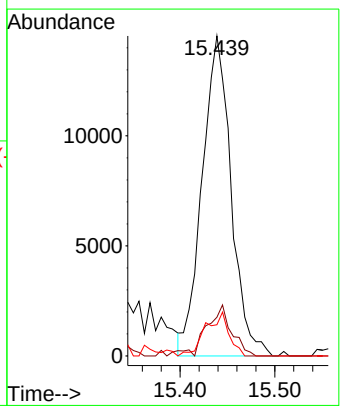
Reviewed By :John Carlone 09/16/2022
Supervised By :Mahesh Dadoda 09/16/2022

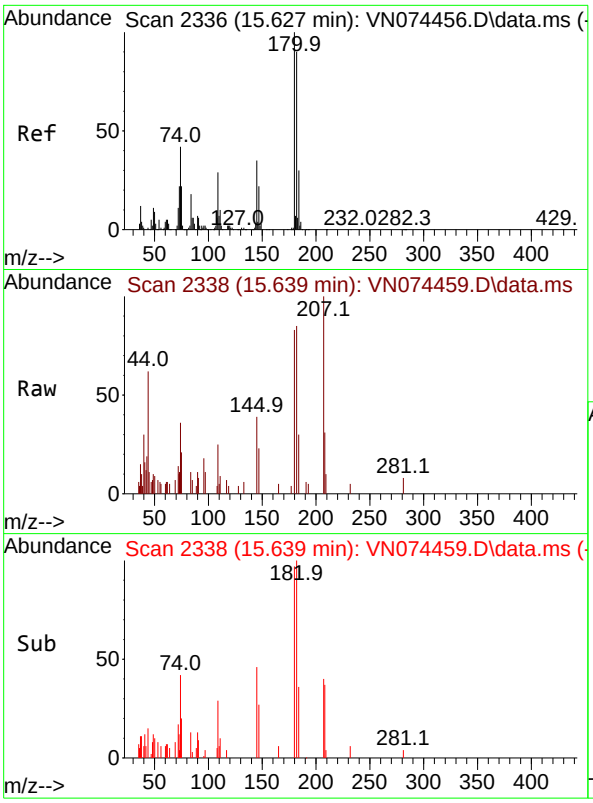


#95
Naphthalene
Concen: 1.395 ug/l
RT: 15.439 min Scan# 2304
Delta R.T. -0.000 min
Lab File: VN074459.D
Acq: 15 Sep 2022 13:26

Tgt Ion:128 Resp: 30952

Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.3	15.5
129	11.0	8.6	13.0

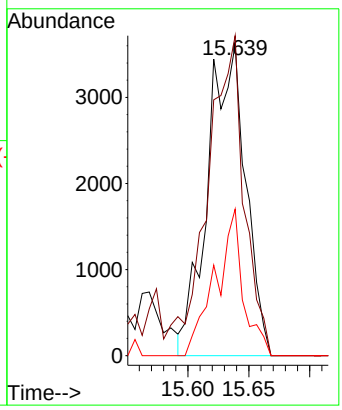




#96
1,2,3-Trichlorobenzene
Concen: 1.354 ug/l
RT: 15.639 min Scan# 2
Delta R.T. 0.012 min
Lab File: VN074459.D
Acq: 15 Sep 2022 13:26

Tgt Ion:180 Resp: 783

Ion	Ratio	Lower	Upper
180	100		
182	98.2	47.8	143.3
145	34.5	15.5	46.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/16/2022
Supervised By :Mahesh Dadoda 09/16/2022

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091522\
Data File : VN074460.D
Acq On : 15 Sep 2022 14:14
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN091522

Manual Integrations APPROVED
Reviewed By :John Carlone 09/16/2022
Supervised By :Mahesh Dadoda 09/16/2022

Quant Time: Sep 15 19:22:03 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 15 19:20:33 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.016	168	410446	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.898	114	775125	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	703216	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	323594	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	342757	49.217	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 98.440%			
35) Dibromofluoromethane	7.945	113	258593	50.222	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.440%			
50) Toluene-d8	10.380	98	1012940	50.868	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.740%			
62) 4-Bromofluorobenzene	12.674	95	367644	53.905	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 107.820%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.040	85	204544	45.790	ug/l	94
3) Chloromethane	2.263	50	373542	49.717	ug/l	100
4) Vinyl Chloride	2.404	62	376953	46.881	ug/l	97
5) Bromomethane	2.775	94	235113	55.447	ug/l	99
6) Chloroethane	2.951	64	302668	55.108	ug/l	97
7) Trichlorofluoromethane	3.310	101	415885	46.837	ug/l	100
8) Diethyl Ether	3.763	74	208146	45.968	ug/l	82
9) 1,1,2-Trichlorotrifluo...	4.134	101	263135	47.901	ug/l	90
10) Methyl Iodide	4.340	142	330326	50.973	ug/l	96
11) Tert butyl alcohol	5.281	59	487250	214.778	ug/l	99
12) 1,1-Dichloroethene	4.110	96	257492	47.621	ug/l	93
13) Acrolein	3.975	56	175033	211.272	ug/l	96
14) Allyl chloride	4.757	41	616718	47.778	ug/l	94
15) Acrylonitrile	5.463	53	1236085	242.526	ug/l	98
16) Acetone	4.216	43	994645	223.195	ug/l	99
17) Carbon Disulfide	4.451	76	702197	47.372	ug/l	96
18) Methyl Acetate	4.769	43	628764	45.426	ug/l	90
19) Methyl tert-butyl Ether	5.528	73	1101155	48.332	ug/l	99
20) Methylene Chloride	5.010	84	329916	48.492	ug/l #	88
21) trans-1,2-Dichloroethene	5.510	96	297044	50.028	ug/l	89
22) Diisopropyl ether	6.404	45	1282361	49.474	ug/l #	94
23) Vinyl Acetate	6.339	43	5819010	254.537	ug/l	94
24) 1,1-Dichloroethane	6.304	63	628630	48.520	ug/l	99
25) 2-Butanone	7.251	43	1787544	241.593	ug/l	90
26) 2,2-Dichloropropane	7.239	77	525593	47.053	ug/l	99
27) cis-1,2-Dichloroethene	7.245	96	355160	46.732	ug/l	91
28) Bromochloromethane	7.575	49	187210	49.066	ug/l #	70
29) Tetrahydrofuran	7.604	42	1183628	243.308	ug/l #	86
30) Chloroform	7.745	83	601402	50.291	ug/l	98
31) Cyclohexane	8.022	56	582248	47.102	ug/l	83
32) 1,1,1-Trichloroethane	7.939	97	502840	47.944	ug/l	96
36) 1,1-Dichloropropene	8.145	75	446082	48.945	ug/l	95
37) Ethyl Acetate	7.328	43	689565	48.992	ug/l #	94
38) Carbon Tetrachloride	8.128	117	413787	49.174	ug/l	98
39) Methylcyclohexane	9.392	83	553807	51.102	ug/l	95
40) Benzene	8.386	78	1419554	50.370	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091522\
Data File : VN074460.D
Acq On : 15 Sep 2022 14:14
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 15 19:22:03 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 15 19:20:33 2022
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
ICVVN091522

Manual Integrations APPROVED

Reviewed By :John Carlone 09/16/2022
Supervised By :Mahesh Dadoda 09/16/2022

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.557	41	353755	51.986	ug/l	#	85
42) 1,2-Dichloroethane	8.457	62	489674	50.631	ug/l		98
43) Isopropyl Acetate	8.492	43	1102516	50.008	ug/l	#	93
44) Trichloroethene	9.145	130	294231	48.248	ug/l		93
45) 1,2-Dichloropropane	9.428	63	386463	49.896	ug/l		99
46) Dibromomethane	9.510	93	232761	47.983	ug/l	#	85
47) Bromodichloromethane	9.698	83	488059	51.318	ug/l		97
48) Methyl methacrylate	9.498	41	496065	50.744	ug/l		87
49) 1,4-Dioxane	9.498	88	180184	958.698	ug/l	#	91
51) 4-Methyl-2-Pentanone	10.269	43	3637695	252.669	ug/l		91
52) Toluene	10.445	92	867482	52.491	ug/l		98
53) t-1,3-Dichloropropene	10.657	75	576892	52.046	ug/l		100
54) cis-1,3-Dichloropropene	10.127	75	599648	50.553	ug/l	#	89
55) 1,1,2-Trichloroethane	10.839	97	349315	49.900	ug/l		96
56) Ethyl methacrylate	10.698	69	648751	51.882	ug/l	#	83
57) 1,3-Dichloropropane	10.986	76	628536	51.211	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.980	63	1403455	255.029	ug/l		90
59) 2-Hexanone	11.027	43	2771350	252.157	ug/l		90
60) Dibromochloromethane	11.174	129	352045	52.533	ug/l		100
61) 1,2-Dibromoethane	11.286	107	352097	51.775	ug/l		100
64) Tetrachloroethene	10.916	164	236965	49.102	ug/l		97
65) Chlorobenzene	11.710	112	880187	49.858	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.780	131	317905	49.563	ug/l		99
67) Ethyl Benzene	11.786	91	1693638	52.253	ug/l		98
68) m/p-Xylenes	11.892	106	1267026	105.728	ug/l		95
69) o-Xylene	12.221	106	633412	51.840	ug/l		96
70) Styrene	12.233	104	1049933	51.657	ug/l		98
71) Bromoform	12.398	173	246276	52.241	ug/l	#	97
73) Isopropylbenzene	12.521	105	1635212	49.352	ug/l		98
74) N-amyl acetate	12.327	43	988135	47.698	ug/l	#	88
75) 1,1,2,2-Tetrachloroethane	12.768	83	608118	45.799	ug/l		98
76) 1,2,3-Trichloropropane	12.821	75	448744m	45.053	ug/l		
77) Bromobenzene	12.804	156	339697	47.994	ug/l		73
78) n-propylbenzene	12.863	91	2014054	51.037	ug/l		95
79) 2-Chlorotoluene	12.945	91	1158202	49.164	ug/l		95
80) 1,3,5-Trimethylbenzene	13.004	105	1362861	50.458	ug/l		97
81) trans-1,4-Dichloro-2-b...	12.568	75	223692	48.471	ug/l		98
82) 4-Chlorotoluene	13.045	91	1122857	50.146	ug/l		96
83) tert-Butylbenzene	13.263	119	1191913	48.488	ug/l		96
84) 1,2,4-Trimethylbenzene	13.310	105	1340956	49.334	ug/l		98
85) sec-Butylbenzene	13.445	105	1742870	51.637	ug/l		96
86) p-Isopropyltoluene	13.557	119	1389870	52.820	ug/l		97
87) 1,3-Dichlorobenzene	13.557	146	644478	49.551	ug/l		97
88) 1,4-Dichlorobenzene	13.633	146	636868	48.721	ug/l		97
89) n-Butylbenzene	13.886	91	1279943	53.967	ug/l		97
90) Hexachloroethane	14.151	117	275032	48.038	ug/l		76
91) 1,2-Dichlorobenzene	13.927	146	661878	49.052	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.545	75	131052	44.698	ug/l		84
93) 1,2,4-Trichlorobenzene	15.198	180	329172	51.206	ug/l		98
94) Hexachlorobutadiene	15.304	225	135610	47.999	ug/l		100
95) Naphthalene	15.439	128	1322474	47.818	ug/l		99
96) 1,2,3-Trichlorobenzene	15.633	180	338953	50.859	ug/l		97

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091522\
Data File : VN074460.D
Acq On : 15 Sep 2022 14:14
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 15 19:22:03 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 15 19:20:33 2022
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
ICVVN091522

Manual Integrations APPROVED

Reviewed By :John Carlone 09/16/2022
Supervised By :Mahesh Dadoda 09/16/2022

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

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

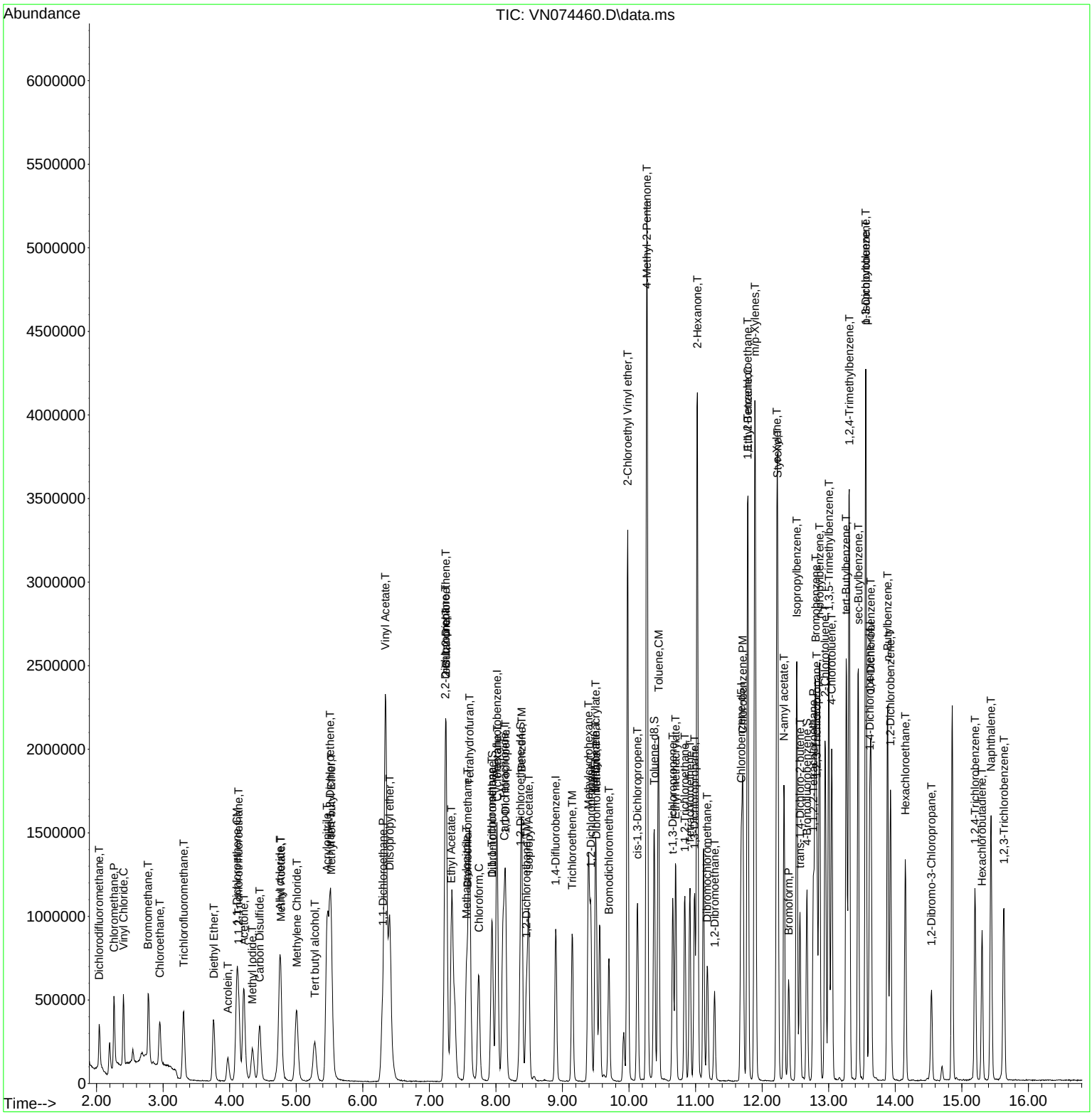
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091522\
Data File : VN074460.D
Acq On : 15 Sep 2022 14:14
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

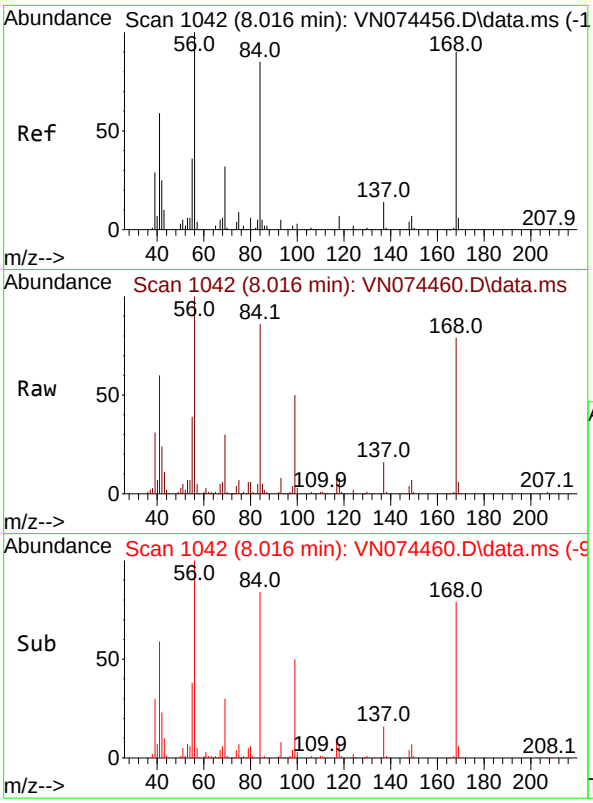
Quant Time: Sep 15 19:22:03 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 15 19:20:33 2022
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
ICVVN091522

Manual Integrations APPROVED

Reviewed By :John Carlone 09/16/2022
Supervised By :Mahesh Dadoda 09/16/2022

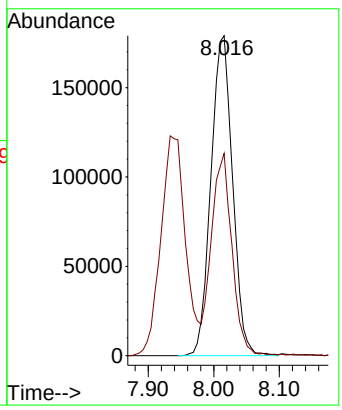




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1(
Delta R.T. -0.000 min
Lab File: VN074460.D
Acq: 15 Sep 2022 14:14

Tgt Ion:168 Resp: 41044(

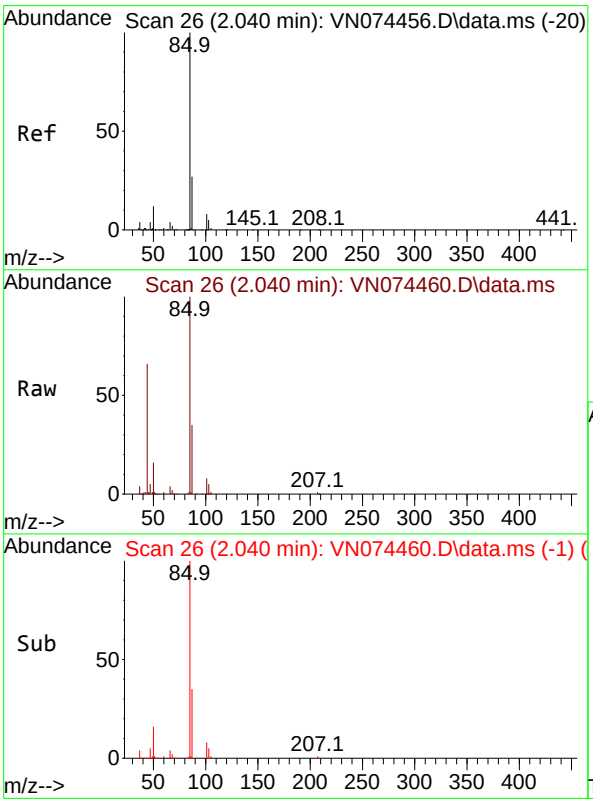
Ion	Ratio	Lower	Upper
168	100		
99	63.0	42.3	63.5



Instrument :
MSVOA_N
ClientSampleId :
ICVVN091522

Manual Integrations
APPROVED

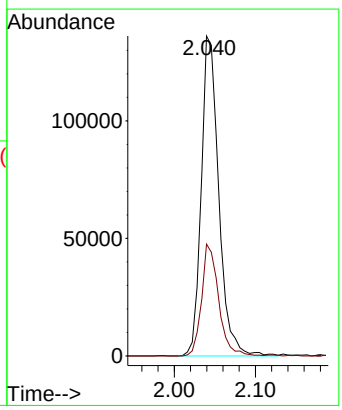
Reviewed By :John Carlone 09/16/2022
Supervised By :Mahesh Dadoda 09/16/2022

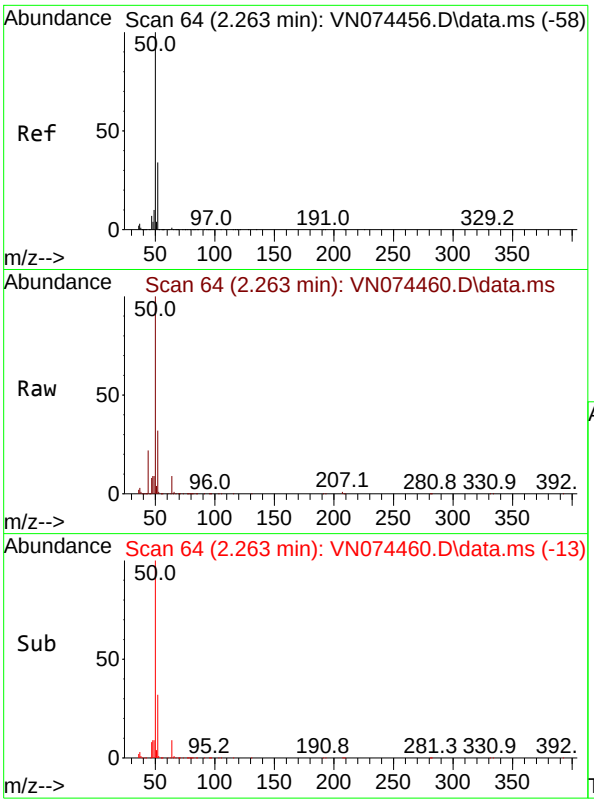


#2
Dichlorodifluoromethane
Concen: 45.790 ug/l
RT: 2.040 min Scan# 26
Delta R.T. -0.000 min
Lab File: VN074460.D
Acq: 15 Sep 2022 14:14

Tgt Ion: 85 Resp: 204544

Ion	Ratio	Lower	Upper
85	100		
87	35.0	15.7	47.1

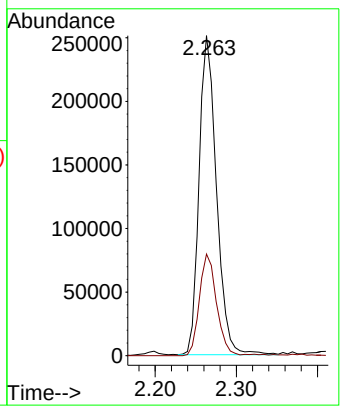




#3
Chloromethane
Concen: 49.717 ug/l
RT: 2.263 min Scan# 64
Delta R.T. 0.000 min
Lab File: VN074460.D
Acq: 15 Sep 2022 14:14

Tgt Ion: 50 Resp: 37354

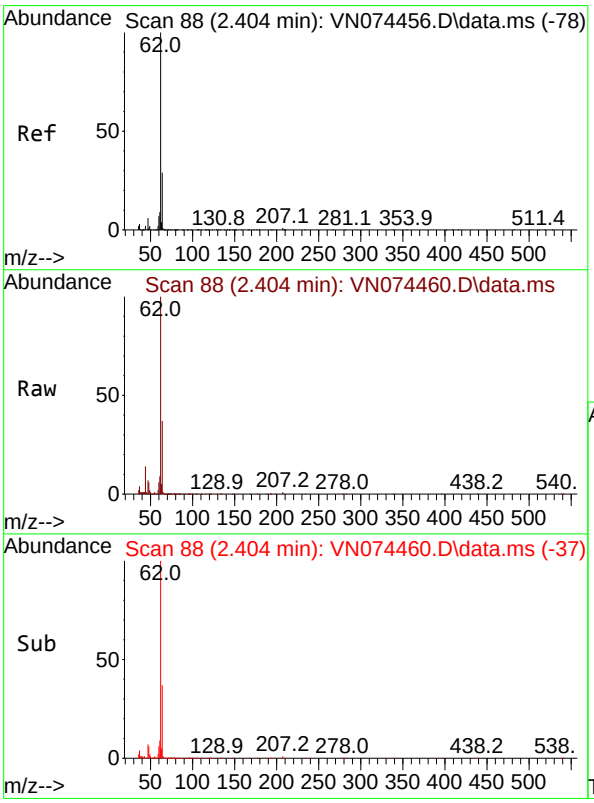
Ion	Ratio	Lower	Upper
50	100		
52	31.8	25.7	38.5



Instrument :
MSVOA_N
ClientSampleId :
ICVVN091522

Manual Integrations APPROVED

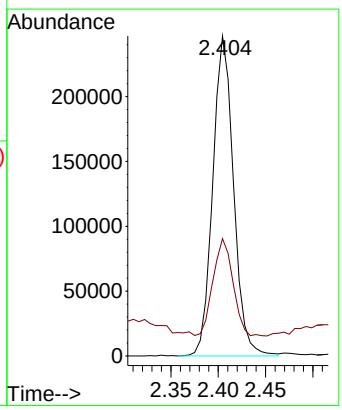
Reviewed By :John Carlone 09/16/2022
Supervised By :Mahesh Dadoda 09/16/2022

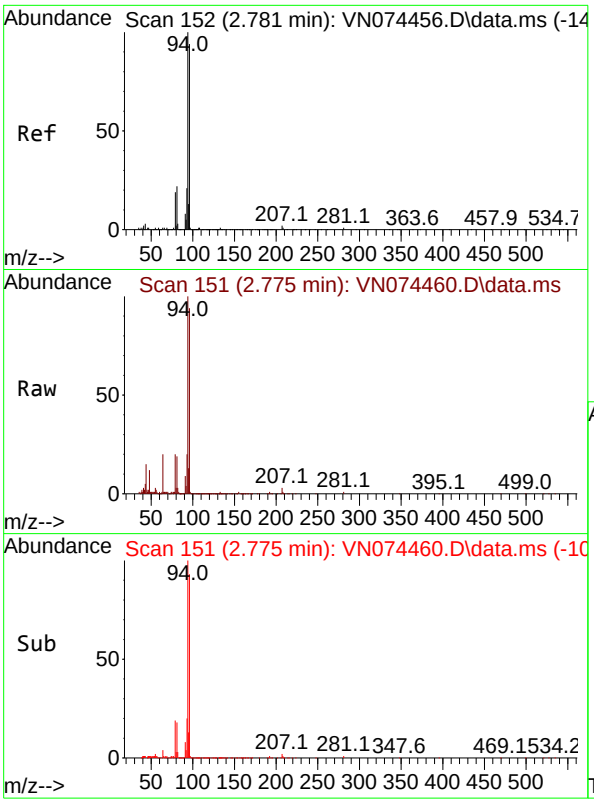


#4
Vinyl Chloride
Concen: 46.881 ug/l
RT: 2.404 min Scan# 88
Delta R.T. 0.000 min
Lab File: VN074460.D
Acq: 15 Sep 2022 14:14

Tgt Ion: 62 Resp: 376953

Ion	Ratio	Lower	Upper
62	100		
64	29.6	25.0	37.4

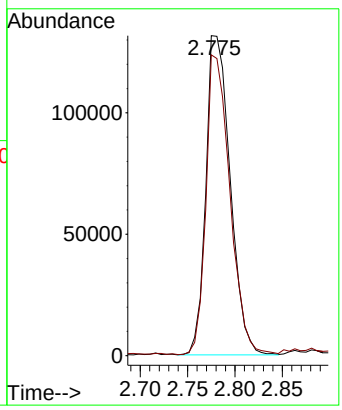




#5
Bromomethane
Concen: 55.447 ug/l
RT: 2.775 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN074460.D
Acq: 15 Sep 2022 14:14

Tgt Ion: 94 Resp: 23511

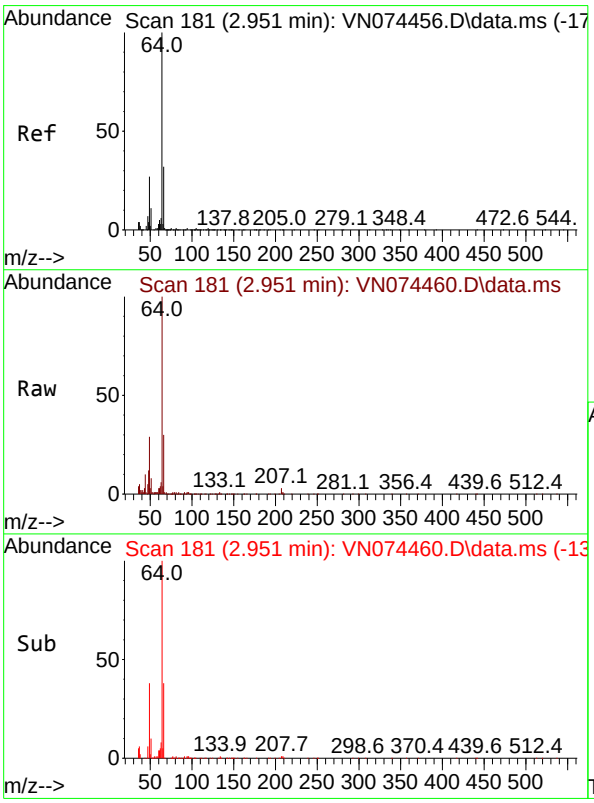
Ion	Ratio	Lower	Upper
94	100		
96	93.9	76.0	114.0



Instrument :
MSVOA_N
ClientSampleId :
ICVVN091522

Manual Integrations APPROVED

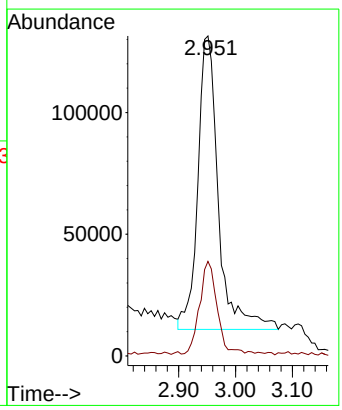
Reviewed By :John Carlone 09/16/2022
Supervised By :Mahesh Dadoda 09/16/2022

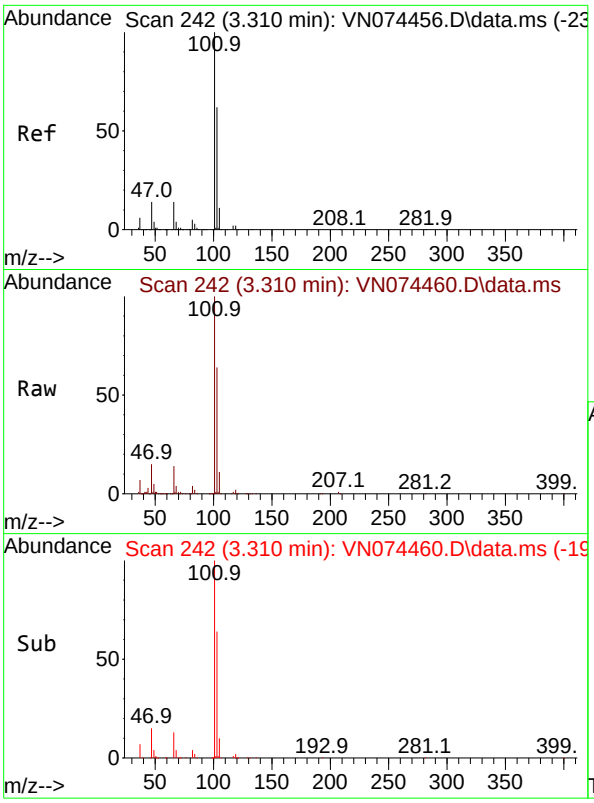


#6
Chloroethane
Concen: 55.108 ug/l
RT: 2.951 min Scan# 181
Delta R.T. 0.000 min
Lab File: VN074460.D
Acq: 15 Sep 2022 14:14

Tgt Ion: 64 Resp: 302668

Ion	Ratio	Lower	Upper
64	100		
66	31.1	26.2	39.4

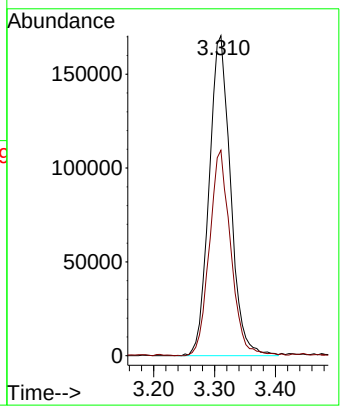




#7
Trichlorofluoromethane
Concen: 46.837 ug/l
RT: 3.310 min Scan# 24
Delta R.T. 0.000 min
Lab File: VN074460.D
Acq: 15 Sep 2022 14:14

Tgt Ion:101 Resp: 41588

Ion	Ratio	Lower	Upper
101	100		
103	64.1	51.5	77.3



Instrument :
MSVOA_N
ClientSampleId :
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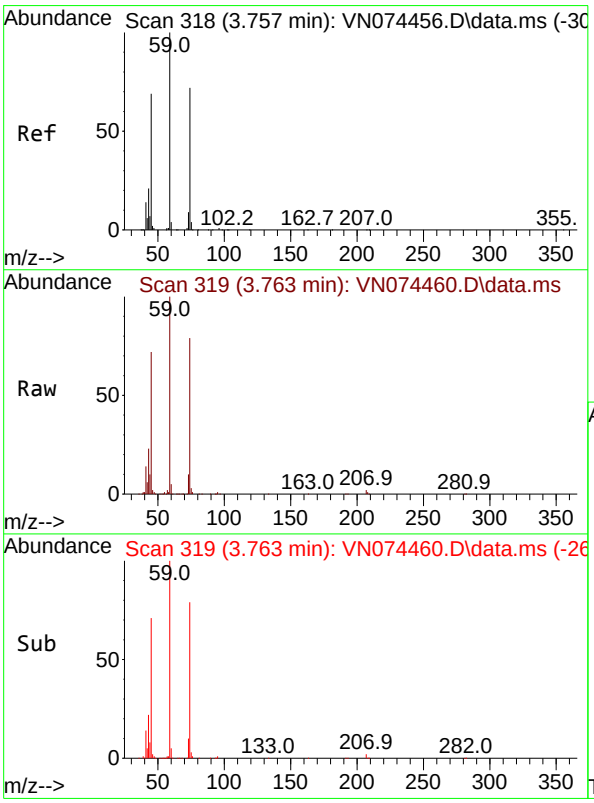
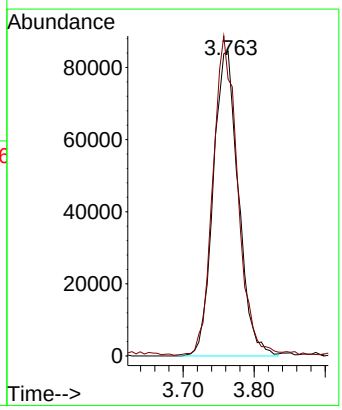
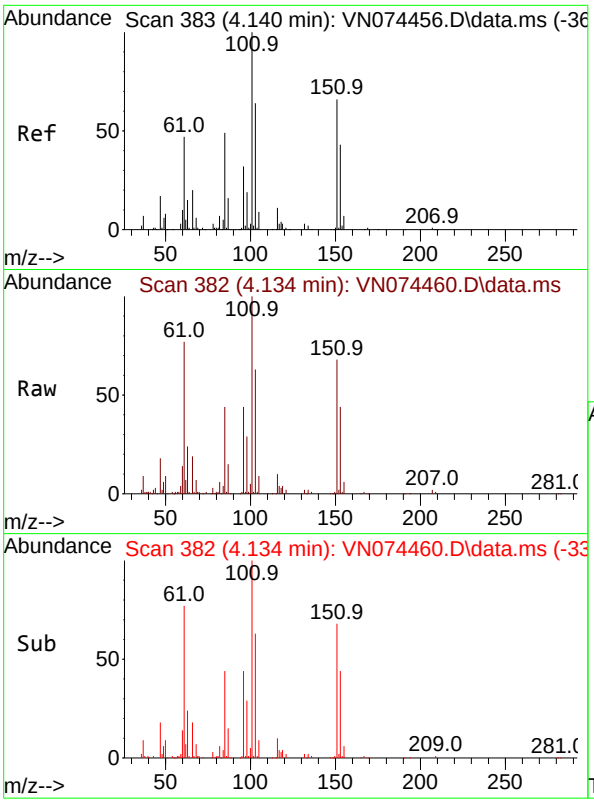


#8
Diethyl Ether
Concen: 45.968 ug/l
RT: 3.763 min Scan# 319
Delta R.T. 0.006 min
Lab File: VN074460.D
Acq: 15 Sep 2022 14:14

Tgt Ion: 74 Resp: 208146

Ion	Ratio	Lower	Upper
74	100		
45	102.3	42.9	128.5

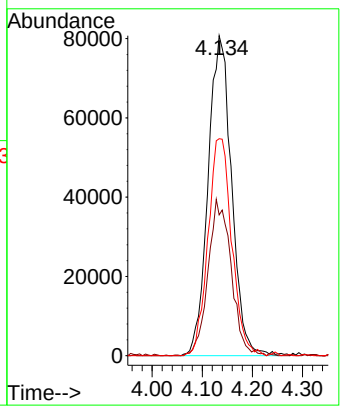




#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.901 ug/l
RT: 4.134 min Scan# 3
Delta R.T. -0.006 min
Lab File: VN074460.D
Acq: 15 Sep 2022 14:14

Tgt Ion:101 Resp: 26313

Ion	Ratio	Lower	Upper
101	100		
85	47.9	34.7	52.1
151	68.6	63.0	94.4



Instrument :
MSVOA_N
ClientSampleId :
ICVVN091522

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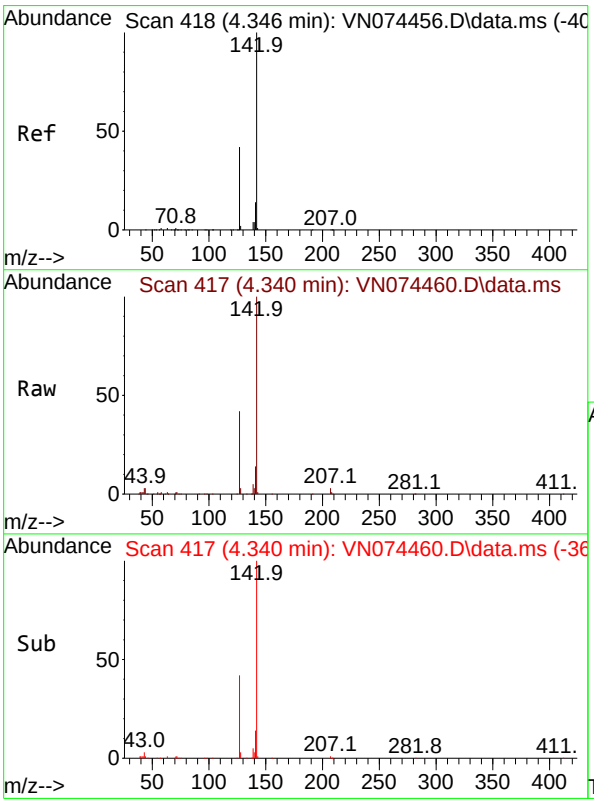
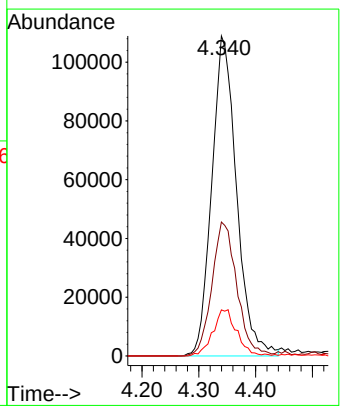
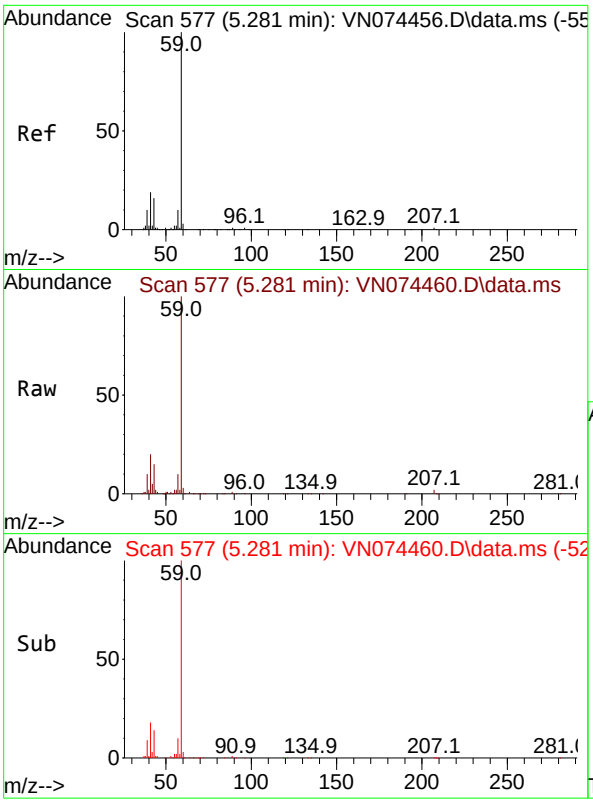


#10
Methyl Iodide
Concen: 50.973 ug/l
RT: 4.340 min Scan# 417
Delta R.T. -0.006 min
Lab File: VN074460.D
Acq: 15 Sep 2022 14:14

Tgt Ion:142 Resp: 330326

Ion	Ratio	Lower	Upper
142	100		
127	42.1	31.3	46.9
141	13.8	11.2	16.8

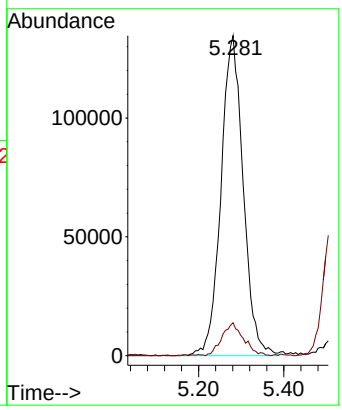




#11
Tert butyl alcohol
Concen: 214.778 ug/l
RT: 5.281 min Scan# 5
Delta R.T. -0.000 min
Lab File: VN074460.D
Acq: 15 Sep 2022 14:14

Tgt Ion: 59 Resp: 48725

Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.3	12.5



Instrument :
MSVOA_N
ClientSampleId :
ICVVN091522

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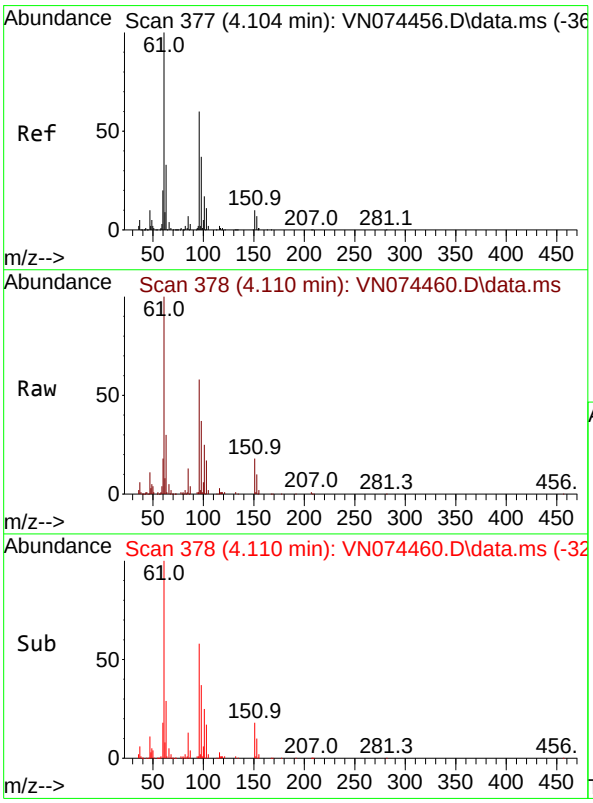
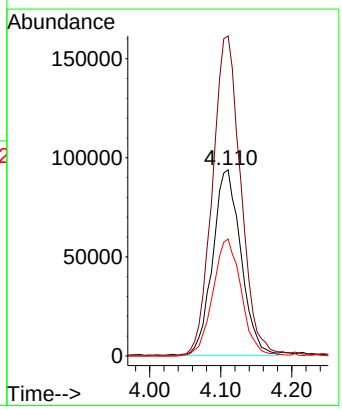
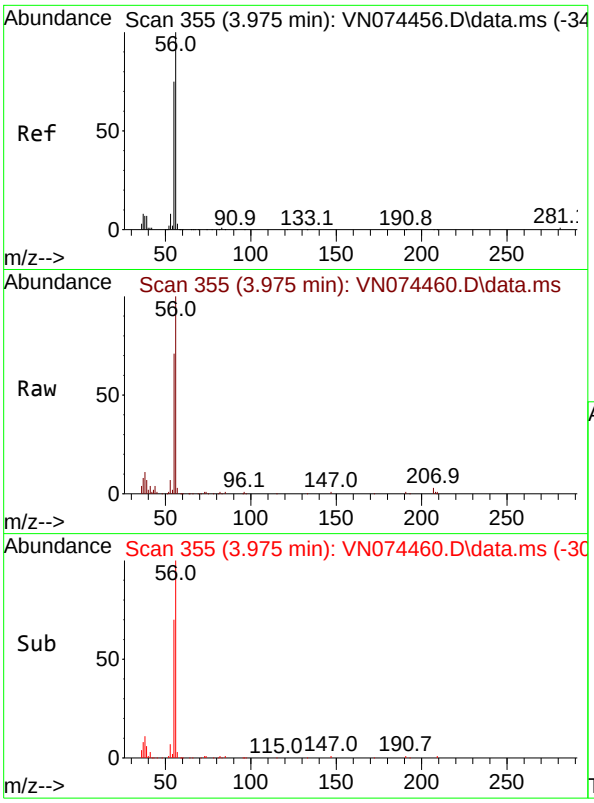


#12
1,1-Dichloroethene
Concen: 47.621 ug/l
RT: 4.110 min Scan# 378
Delta R.T. 0.006 min
Lab File: VN074460.D
Acq: 15 Sep 2022 14:14

Tgt Ion: 96 Resp: 257492

Ion	Ratio	Lower	Upper
96	100		
61	172.2	127.6	191.4
98	63.1	51.2	76.8





#13
Acrolein
Concen: 211.272 ug/l
RT: 3.975 min Scan# 3
Delta R.T. -0.000 min
Lab File: VN074460.D
Acq: 15 Sep 2022 14:14

Tgt Ion: 56 Resp: 17503

Ion	Ratio	Lower	Upper
56	100		
55	71.8	54.8	82.2

Instrument :
MSVOA_N
ClientSampleId :
ICVVN091522

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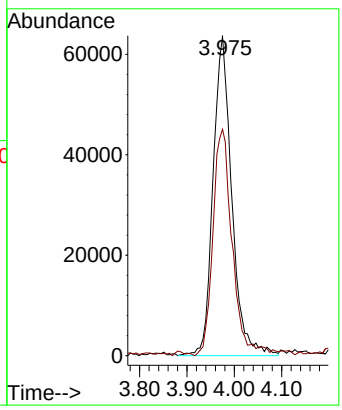
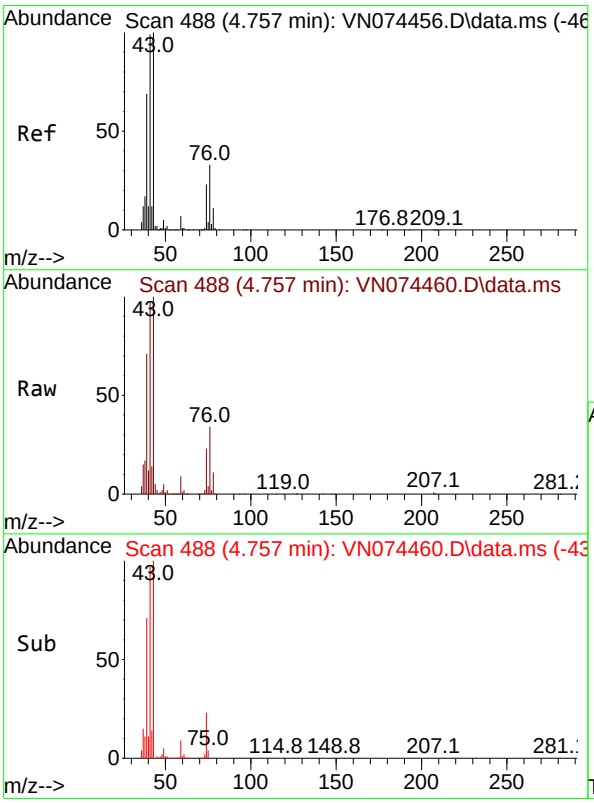
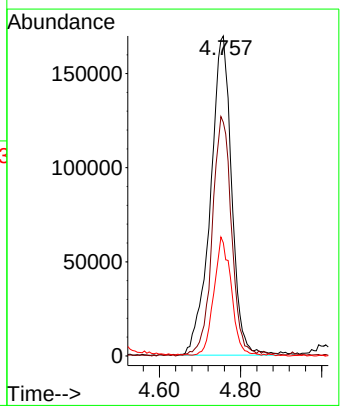


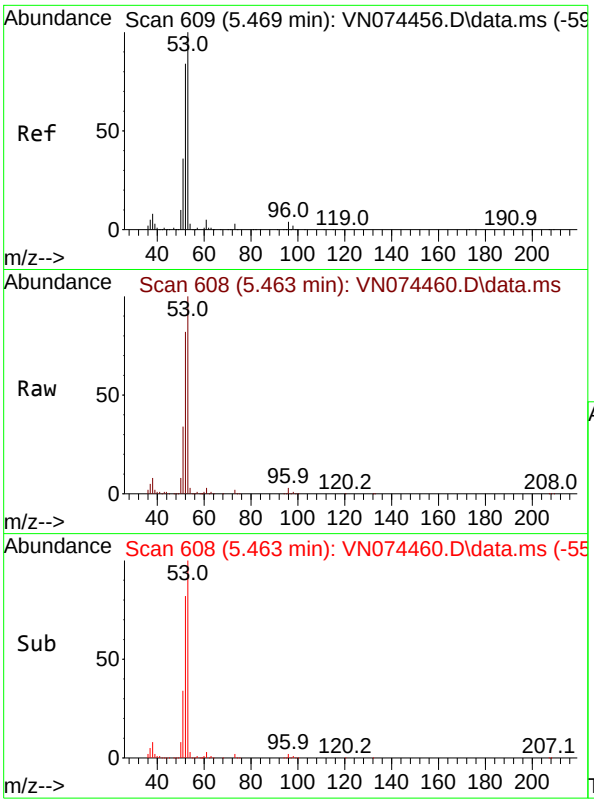


#14
Allyl chloride
Concen: 47.778 ug/l
RT: 4.757 min Scan# 488
Delta R.T. 0.000 min
Lab File: VN074460.D
Acq: 15 Sep 2022 14:14

Tgt Ion: 41 Resp: 616718

Ion	Ratio	Lower	Upper
41	100		
39	68.1	53.2	79.8
76	30.2	29.9	44.9

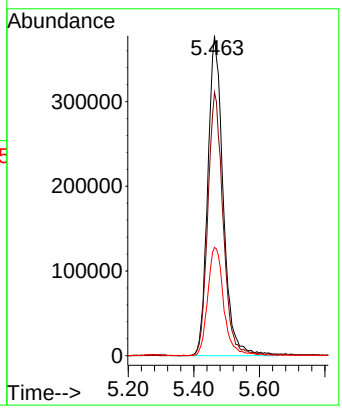




#15
Acrylonitrile
Concen: 242.526 ug/l
RT: 5.463 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN074460.D
Acq: 15 Sep 2022 14:14

Tgt Ion: 53 Resp: 123608

Ion	Ratio	Lower	Upper
53	100		
52	81.2	66.4	99.6
51	34.9	28.5	42.7



Instrument :
MSVOA_N
ClientSampleId :
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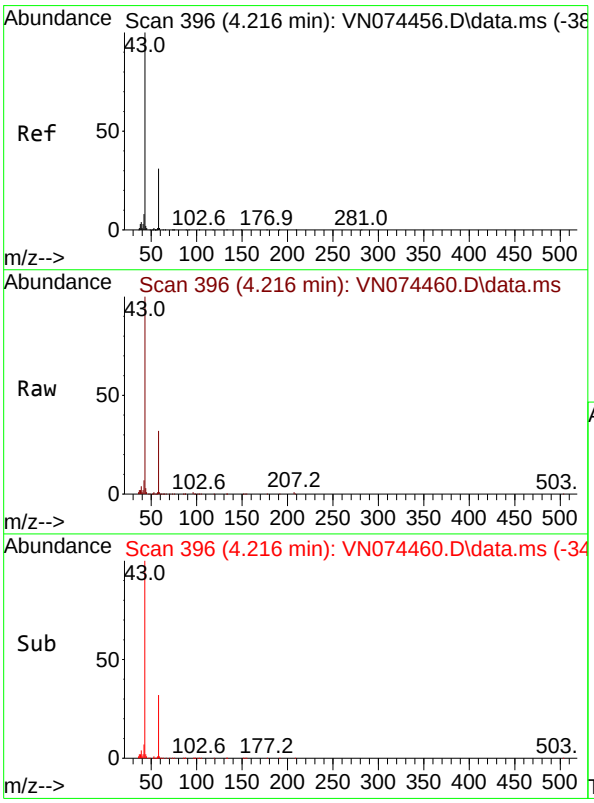
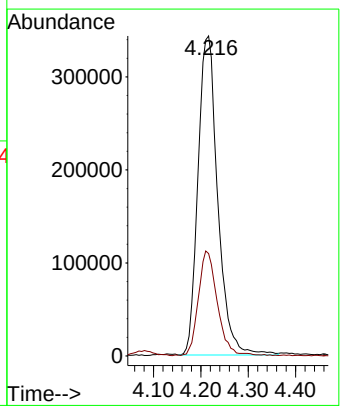
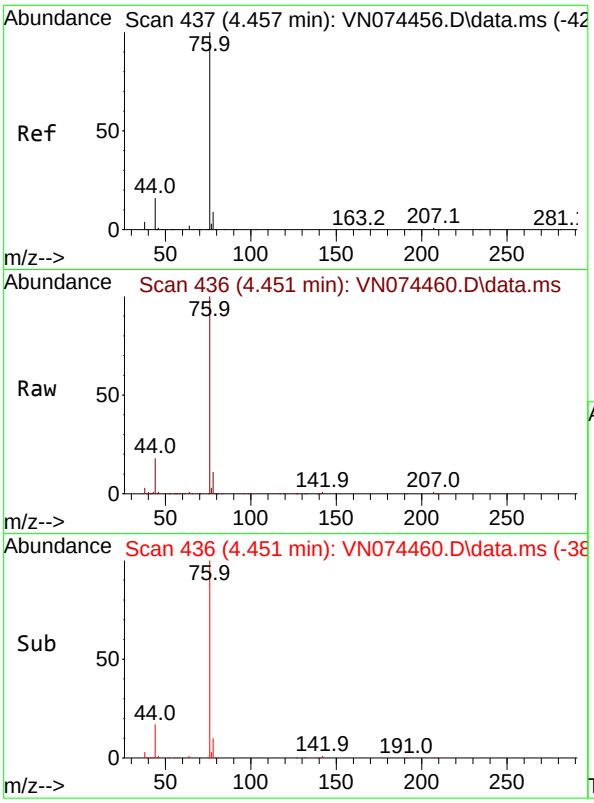


#16
Acetone
Concen: 223.195 ug/l
RT: 4.216 min Scan# 396
Delta R.T. 0.000 min
Lab File: VN074460.D
Acq: 15 Sep 2022 14:14

Tgt Ion: 43 Resp: 994645

Ion	Ratio	Lower	Upper
43	100		
58	31.9	26.0	39.0

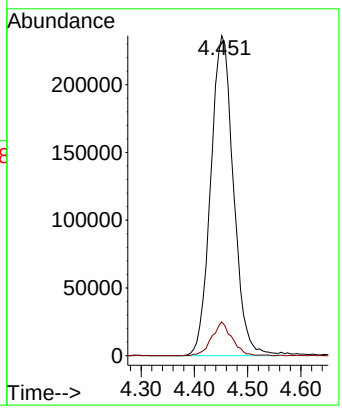




#17
Carbon Disulfide
Concen: 47.372 ug/l
RT: 4.451 min Scan# 4
Delta R.T. -0.006 min
Lab File: VN074460.D
Acq: 15 Sep 2022 14:14

Tgt Ion: 76 Resp: 70219

Ion	Ratio	Lower	Upper
76	100		
78	10.5	7.2	10.8



Instrument :
MSVOA_N
ClientSampleId :
ICVVN091522

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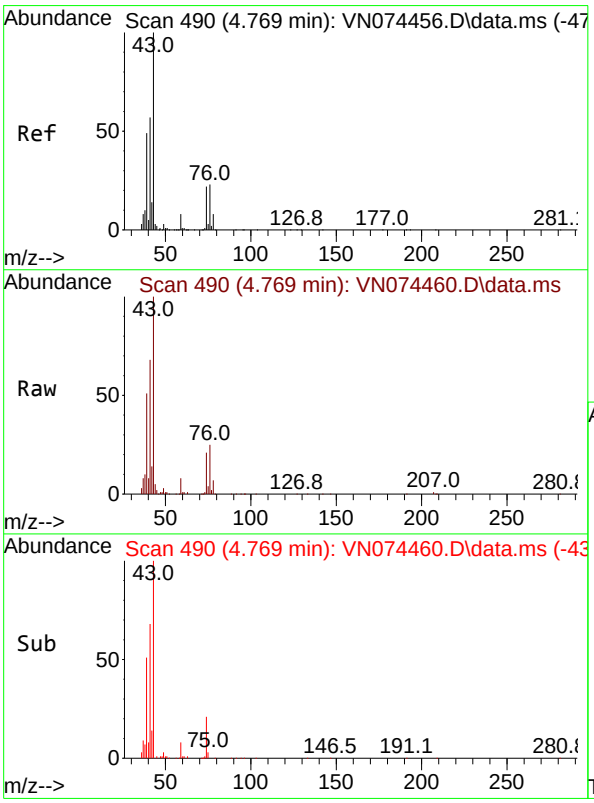
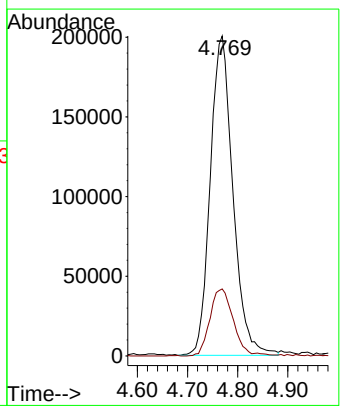
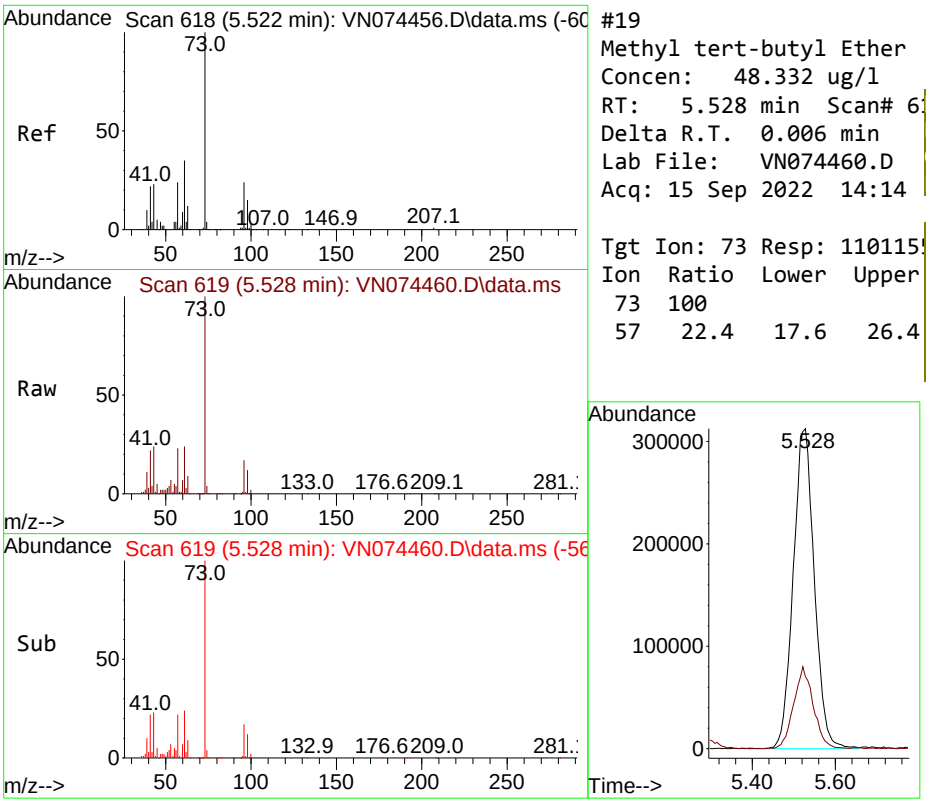


#18
Methyl Acetate
Concen: 45.426 ug/l
RT: 4.769 min Scan# 490
Delta R.T. 0.000 min
Lab File: VN074460.D
Acq: 15 Sep 2022 14:14

Tgt Ion: 43 Resp: 628764

Ion	Ratio	Lower	Upper
43	100		
74	21.7	21.6	32.4





#19
Methyl tert-butyl Ether
Concen: 48.332 ug/l
RT: 5.528 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN074460.D
Acq: 15 Sep 2022 14:14

Tgt Ion: 73 Resp: 110115

Ion	Ratio	Lower	Upper
73	100		
57	22.4	17.6	26.4

Instrument :
MSVOA_N
ClientSampleId :
ICVVN091522

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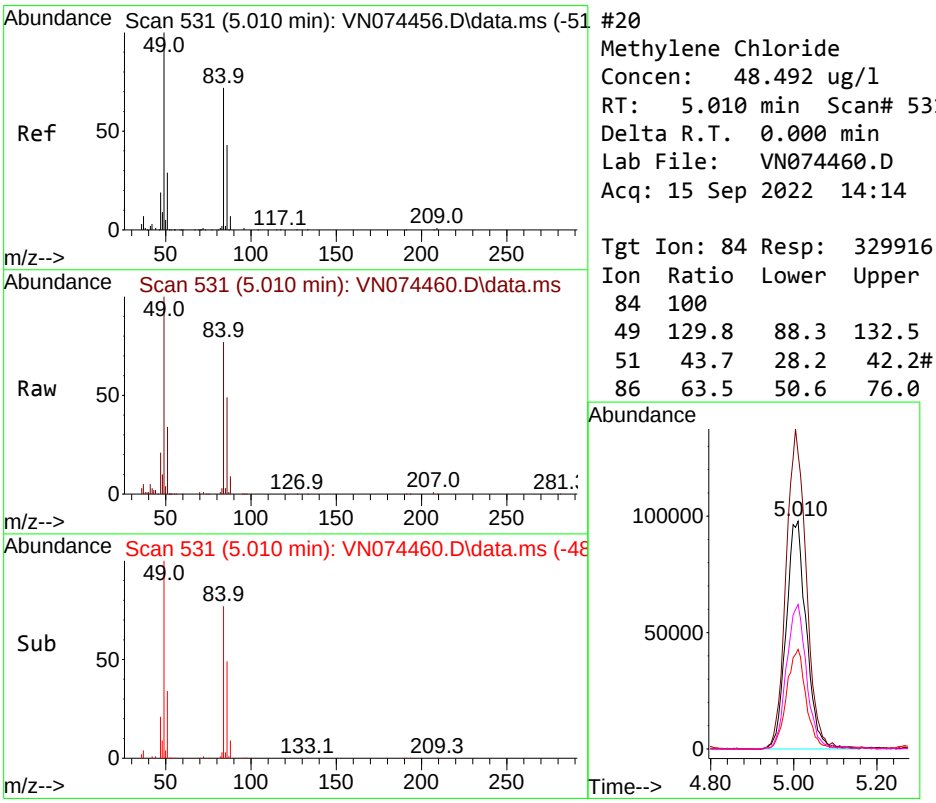
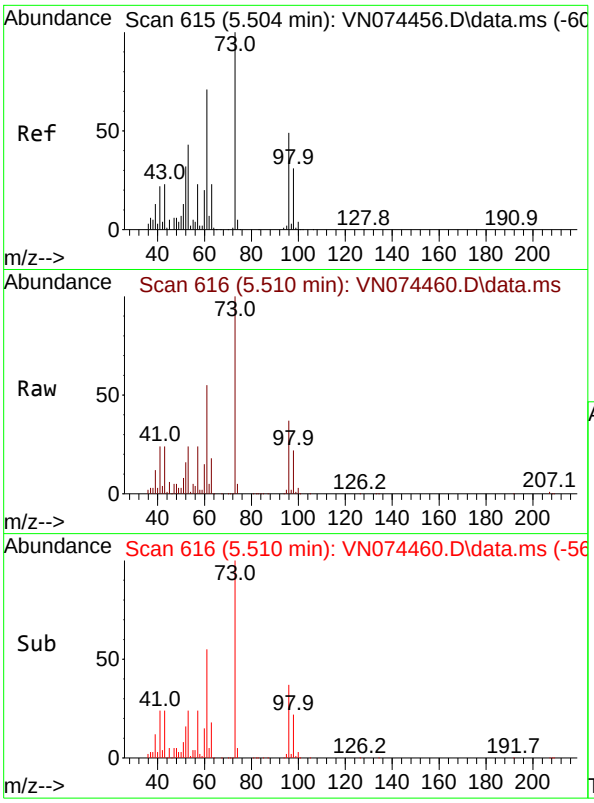


#20
Methylene Chloride
Concen: 48.492 ug/l
RT: 5.010 min Scan# 531
Delta R.T. 0.000 min
Lab File: VN074460.D
Acq: 15 Sep 2022 14:14

Tgt Ion: 84 Resp: 329916

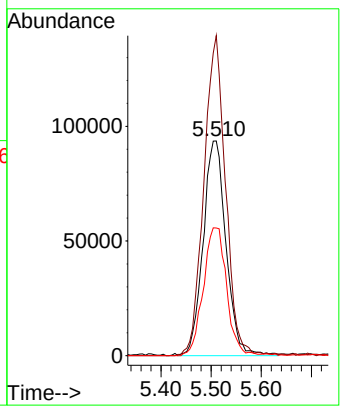
Ion	Ratio	Lower	Upper
84	100		
49	129.8	88.3	132.5
51	43.7	28.2	42.2#
86	63.5	50.6	76.0



#21
trans-1,2-Dichloroethene
Concen: 50.028 ug/l
RT: 5.510 min Scan# 61
Delta R.T. 0.006 min
Lab File: VN074460.D
Acq: 15 Sep 2022 14:14

Tgt Ion: 96 Resp: 29704

Ion	Ratio	Lower	Upper
96	100		
61	148.5	105.8	158.8
98	59.5	50.3	75.5



Instrument :
MSVOA_N
ClientSampleId :
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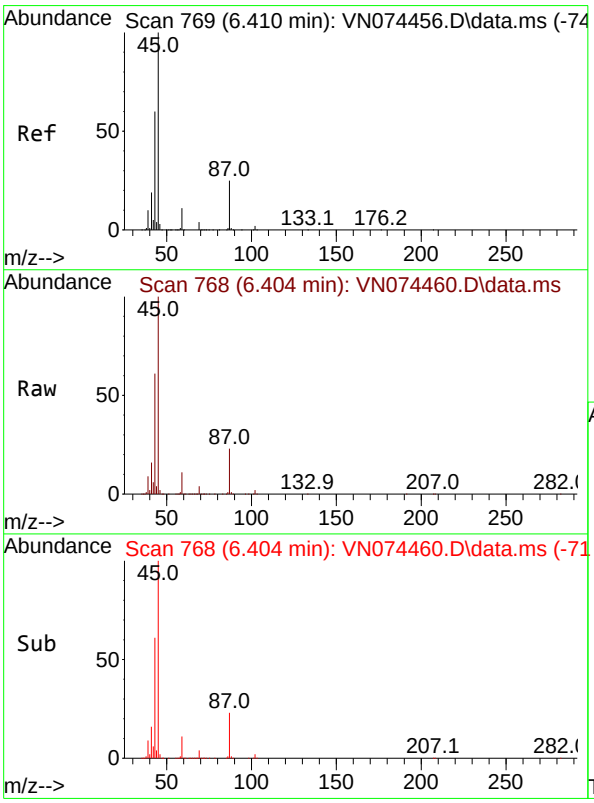
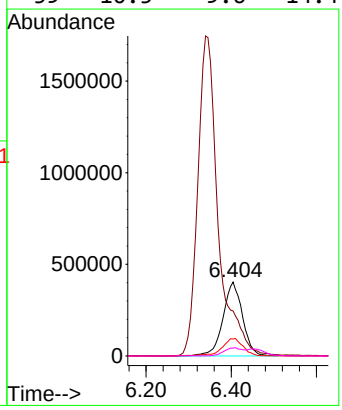
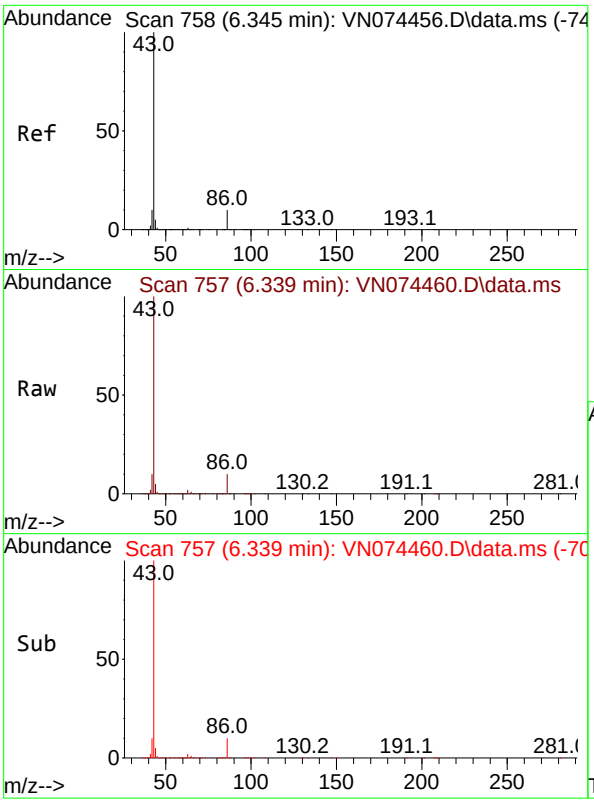


#22
Diisopropyl ether
Concen: 49.474 ug/l
RT: 6.404 min Scan# 768
Delta R.T. -0.006 min
Lab File: VN074460.D
Acq: 15 Sep 2022 14:14

Tgt Ion: 45 Resp: 1282361

Ion	Ratio	Lower	Upper
45	100		
43	60.4	46.6	70.0
87	22.7	24.3	36.5#
59	10.5	9.6	14.4

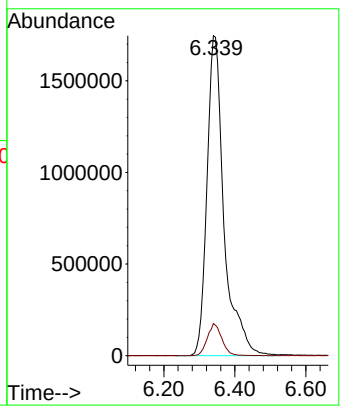




#23
Vinyl Acetate
Concen: 254.537 ug/l
RT: 6.339 min Scan# 7
Delta R.T. -0.006 min
Lab File: VN074460.D
Acq: 15 Sep 2022 14:14

Tgt Ion: 43 Resp: 581901

Ion	Ratio	Lower	Upper
43	100		
86	10.0	10.0	15.0



Instrument :
MSVOA_N
ClientSampleId :
ICVVN091522

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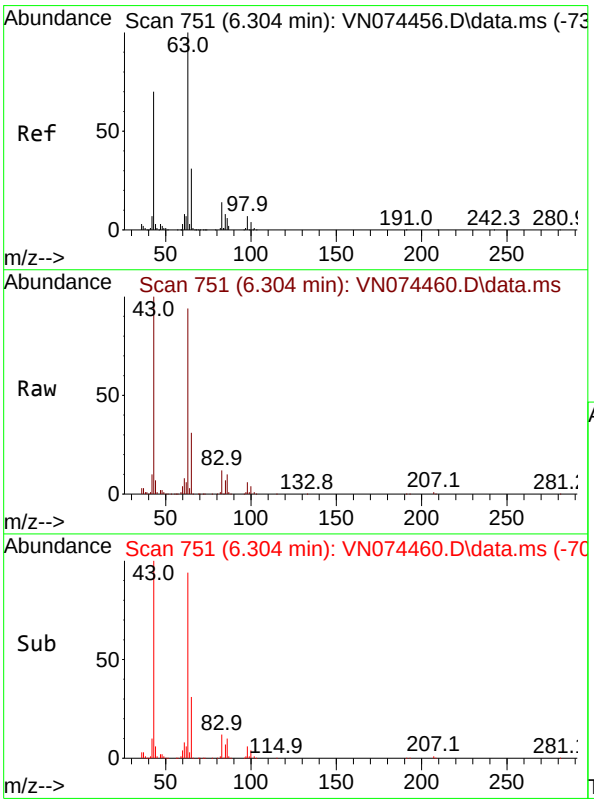
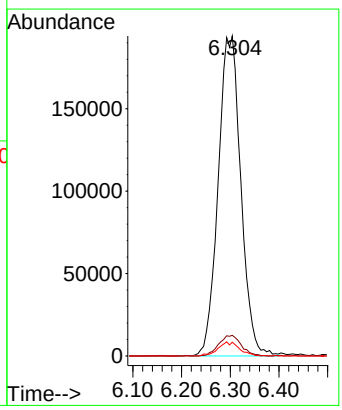
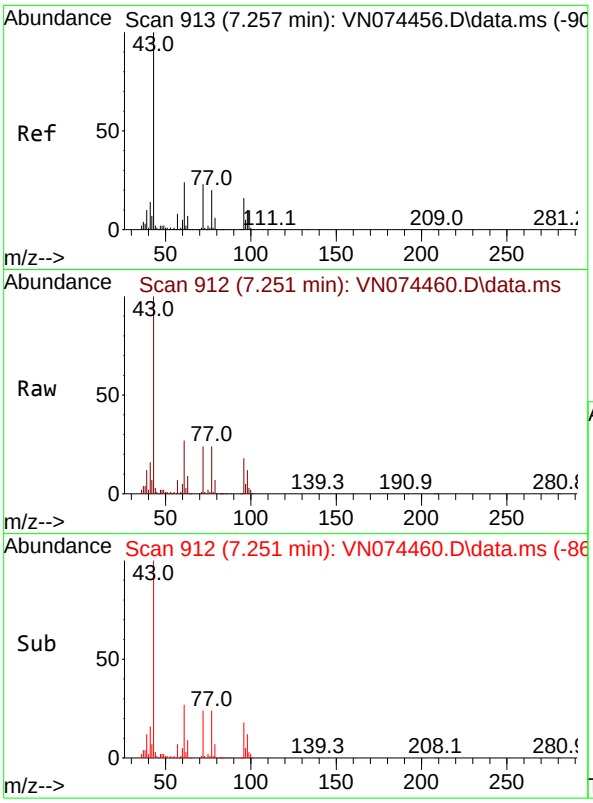


#24
1,1-Dichloroethane
Concen: 48.520 ug/l
RT: 6.304 min Scan# 751
Delta R.T. 0.000 min
Lab File: VN074460.D
Acq: 15 Sep 2022 14:14

Tgt Ion: 63 Resp: 628630

Ion	Ratio	Lower	Upper
63	100		
98	6.5	3.5	10.4
100	4.3	2.3	6.8

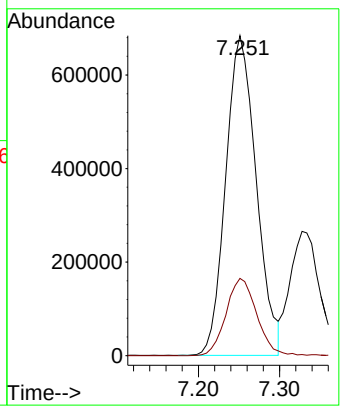




#25
2-Butanone
Concen: 241.593 ug/l
RT: 7.251 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN074460.D
Acq: 15 Sep 2022 14:14

Tgt Ion: 43 Resp: 178754

Ion	Ratio	Lower	Upper
43	100		
72	24.2	23.7	35.5



Instrument :
MSVOA_N
ClientSampleId :
ICVVN091522

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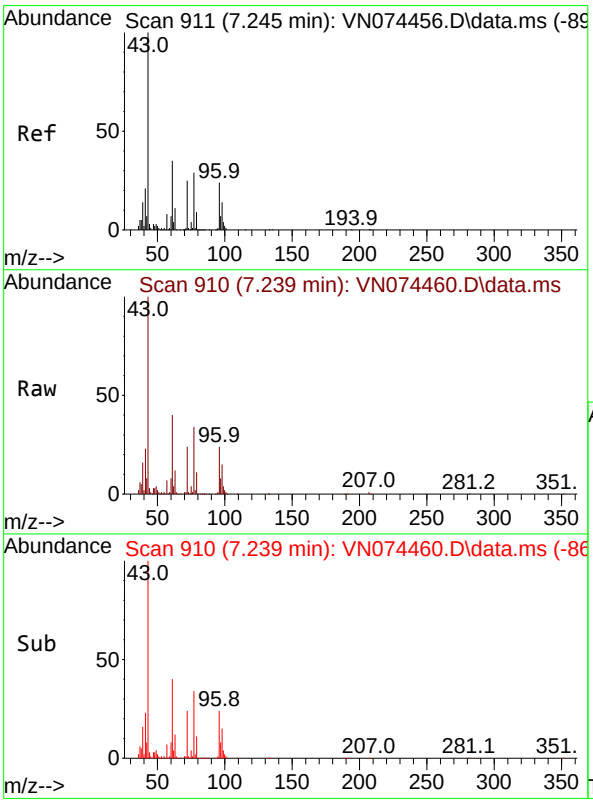
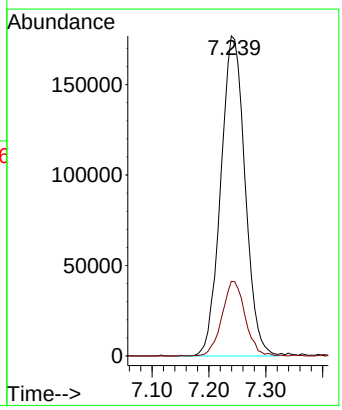
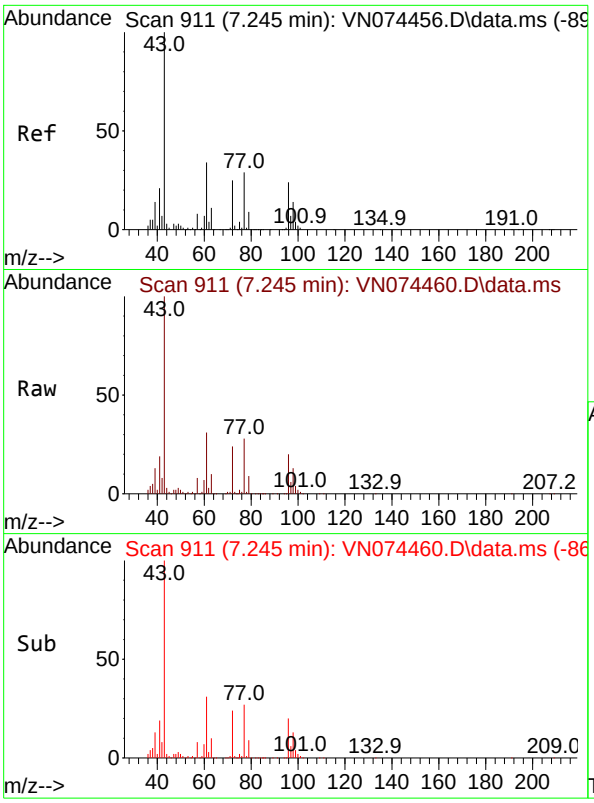


#26
2,2-Dichloropropane
Concen: 47.053 ug/l
RT: 7.239 min Scan# 910
Delta R.T. -0.006 min
Lab File: VN074460.D
Acq: 15 Sep 2022 14:14

Tgt Ion: 77 Resp: 525593

Ion	Ratio	Lower	Upper
77	100		
97	22.3	11.4	34.2

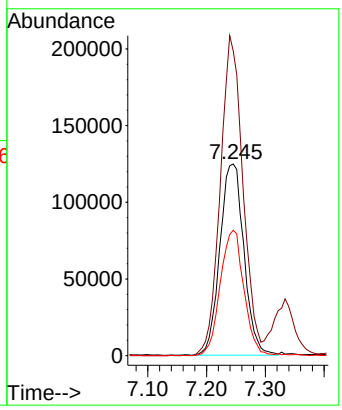




#27
cis-1,2-Dichloroethene
Concen: 46.732 ug/l
RT: 7.245 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN074460.D
Acq: 15 Sep 2022 14:14

Tgt Ion: 96 Resp: 35516

Ion	Ratio	Lower	Upper
96	100		
61	156.7	0.0	280.6
98	64.4	0.0	128.4



Instrument :
MSVOA_N
ClientSampleId :
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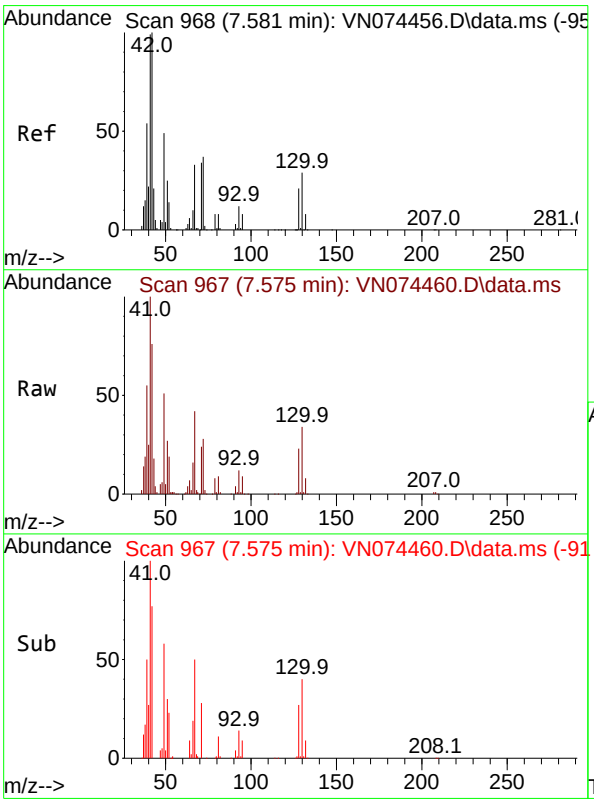
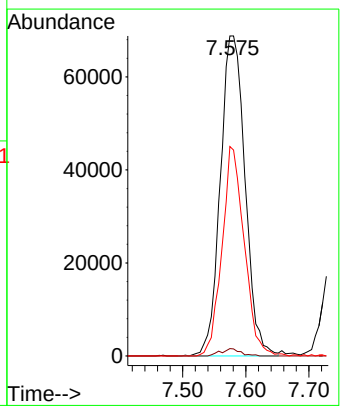
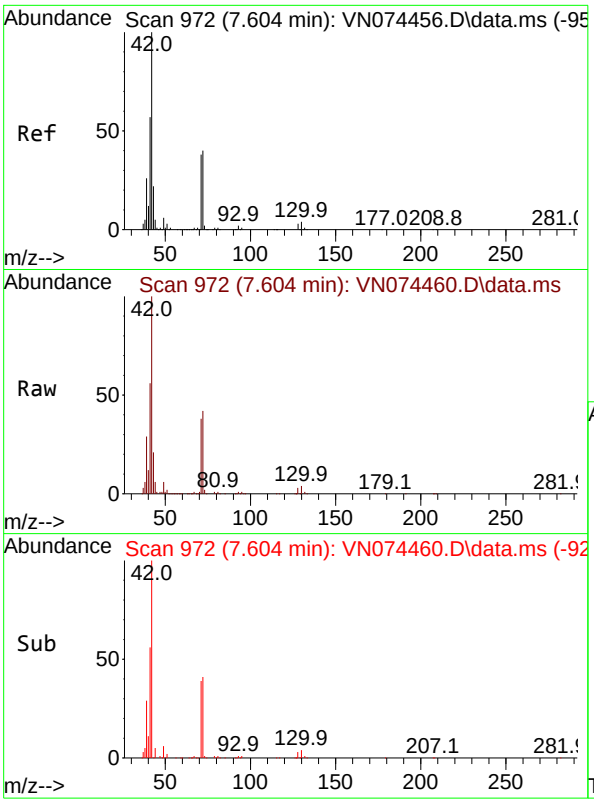


#28
Bromochloromethane
Concen: 49.066 ug/l
RT: 7.575 min Scan# 967
Delta R.T. -0.006 min
Lab File: VN074460.D
Acq: 15 Sep 2022 14:14

Tgt Ion: 49 Resp: 187210

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	4.6
130	58.9	69.7	104.5#

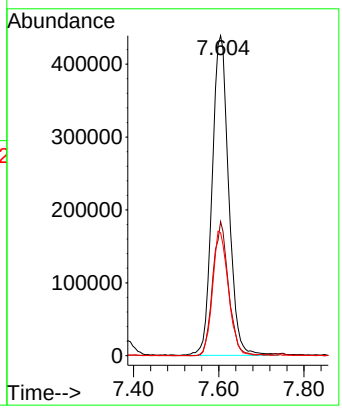




#29
Tetrahydrofuran
Concen: 243.308 ug/l
RT: 7.604 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN074460.D
Acq: 15 Sep 2022 14:14

Tgt Ion: 42 Resp: 118362

Ion	Ratio	Lower	Upper
42	100		
72	39.5	39.7	59.5
71	37.6	36.6	55.0



Instrument :
MSVOA_N
ClientSampleId :
ICVVN091522

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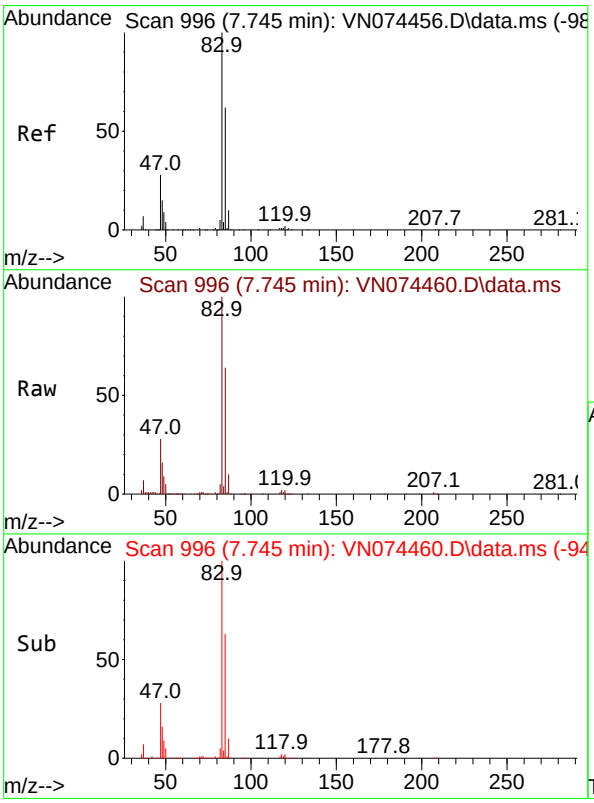
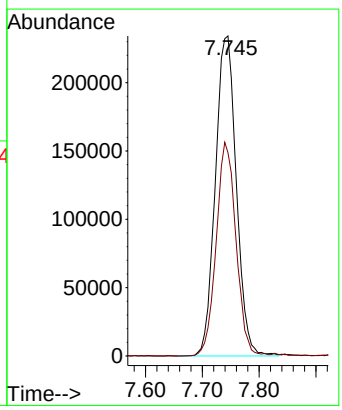
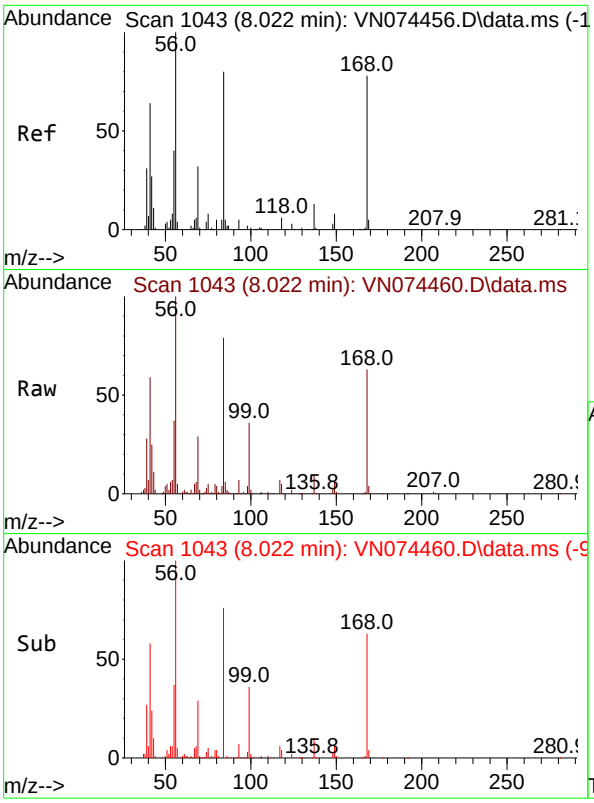


#30
Chloroform
Concen: 50.291 ug/l
RT: 7.745 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN074460.D
Acq: 15 Sep 2022 14:14

Tgt Ion: 83 Resp: 601402

Ion	Ratio	Lower	Upper
83	100		
85	63.6	51.8	77.8

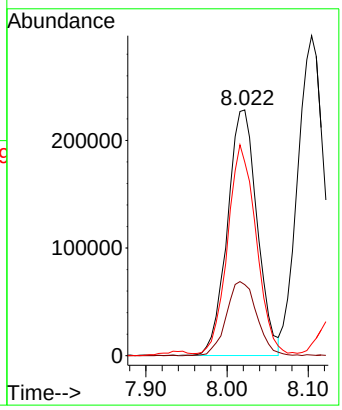




#31
Cyclohexane
Concen: 47.102 ug/l
RT: 8.022 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074460.D
Acq: 15 Sep 2022 14:14

Tgt Ion: 56 Resp: 58224

Ion	Ratio	Lower	Upper
56	100		
69	28.3	27.8	41.8
84	77.1	76.9	115.3



Instrument :
MSVOA_N
ClientSampleId :
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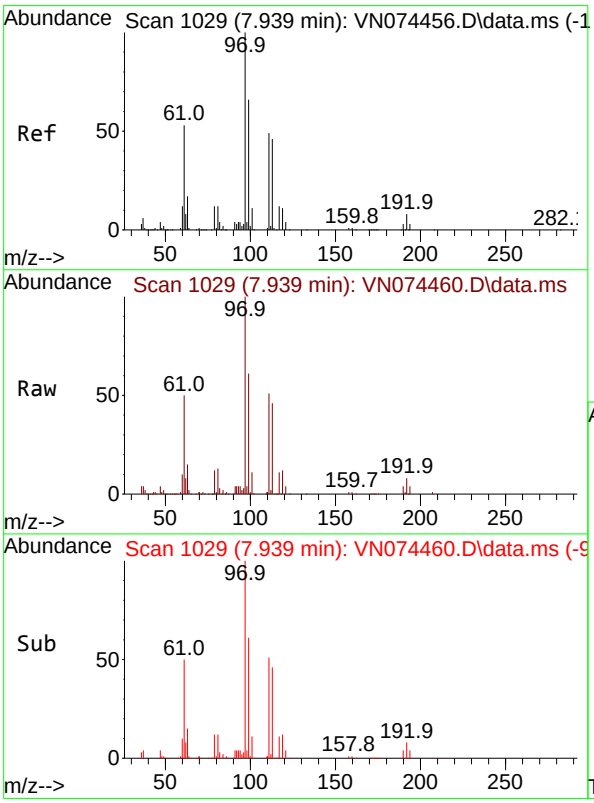
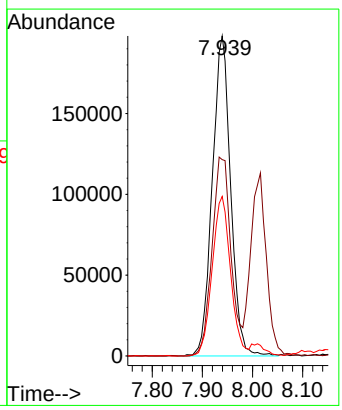
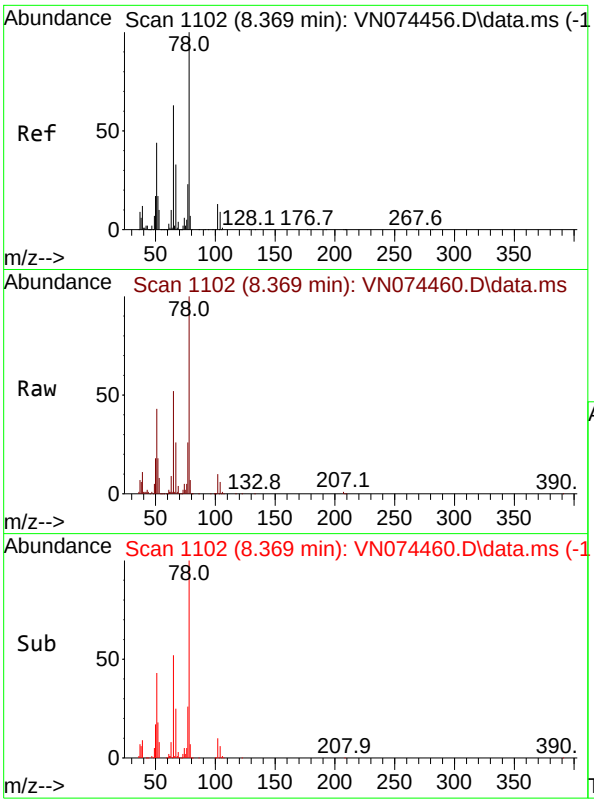


#32
1,1,1-Trichloroethane
Concen: 47.944 ug/l
RT: 7.939 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VN074460.D
Acq: 15 Sep 2022 14:14

Tgt Ion: 97 Resp: 502840

Ion	Ratio	Lower	Upper
97	100		
99	64.4	50.6	76.0
61	50.1	36.0	54.0

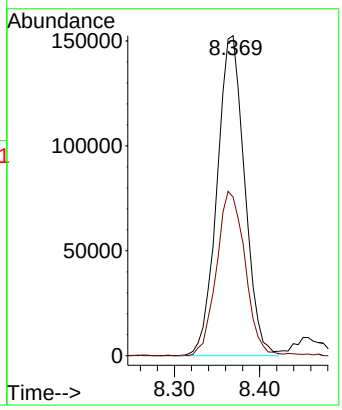




#33
1,2-Dichloroethane-d4
Concen: 49.217 ug/l
RT: 8.369 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN074460.D
Acq: 15 Sep 2022 14:14

Tgt Ion: 65 Resp: 34275

Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	104.8



Instrument :
MSVOA_N
ClientSampleId :
ICVVN091522

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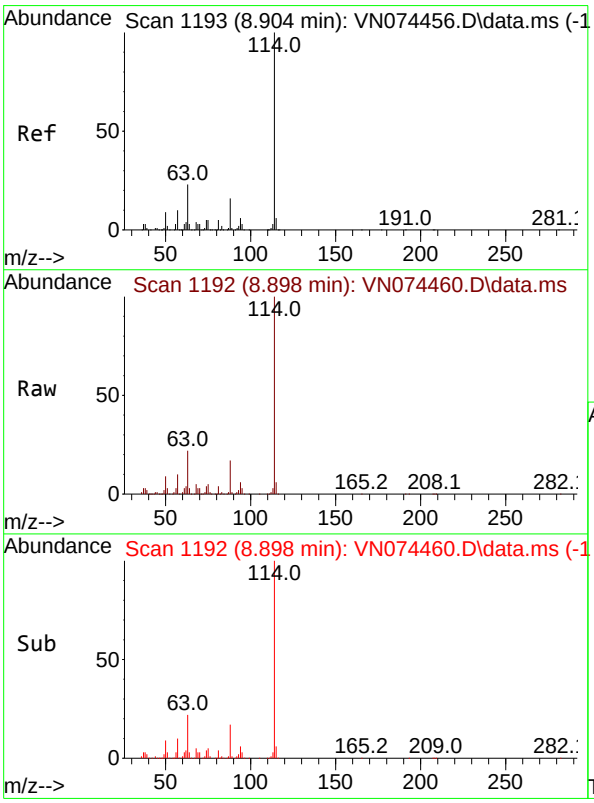
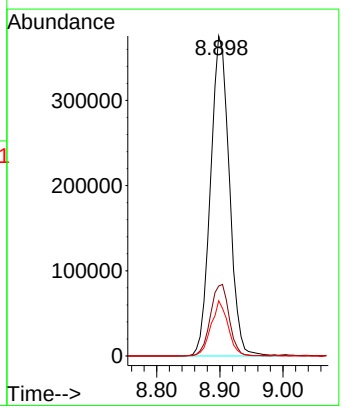
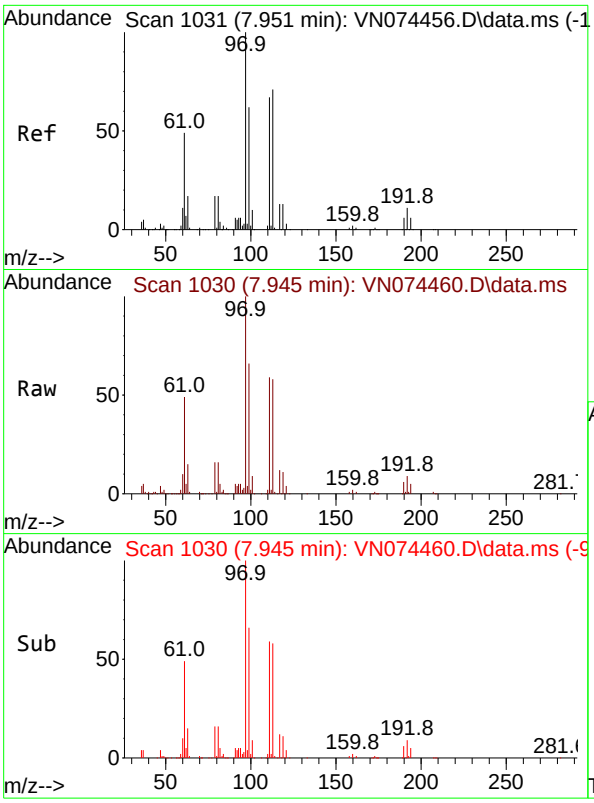


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.898 min Scan# 1192
Delta R.T. -0.006 min
Lab File: VN074460.D
Acq: 15 Sep 2022 14:14

Tgt Ion:114 Resp: 775125

Ion	Ratio	Lower	Upper
114	100		
63	21.8	0.0	40.0
88	17.3	0.0	32.6

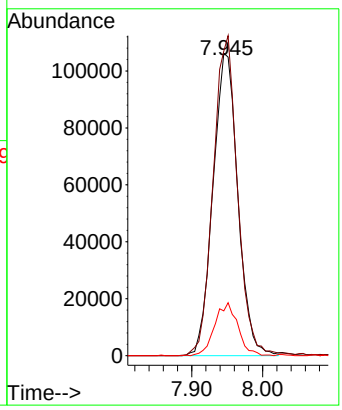




#35
Dibromofluoromethane
Concen: 50.222 ug/l
RT: 7.945 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN074460.D
Acq: 15 Sep 2022 14:14

Tgt Ion:113 Resp: 25859

Ion	Ratio	Lower	Upper
113	100		
111	103.5	81.4	122.0
192	16.3	17.0	25.6



Instrument :
MSVOA_N
ClientSampleId :
ICVVN091522

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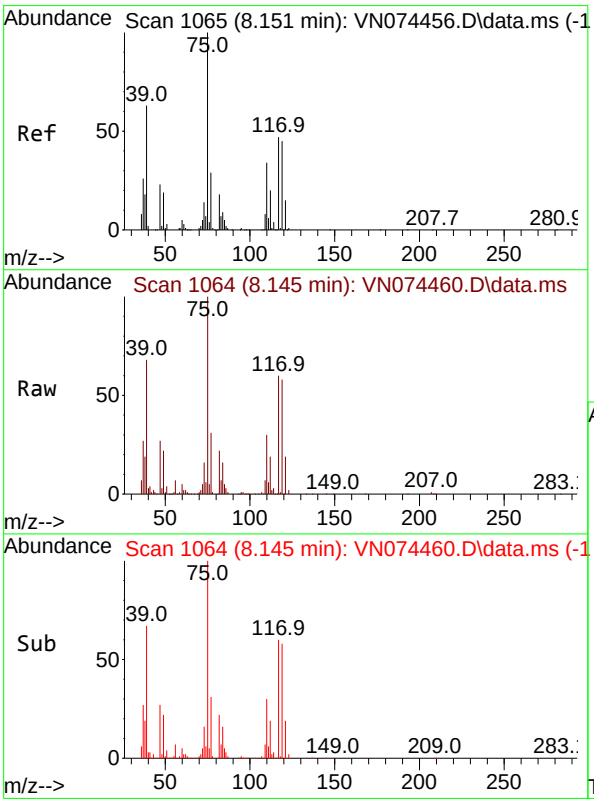
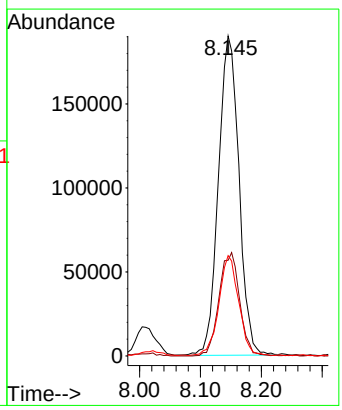
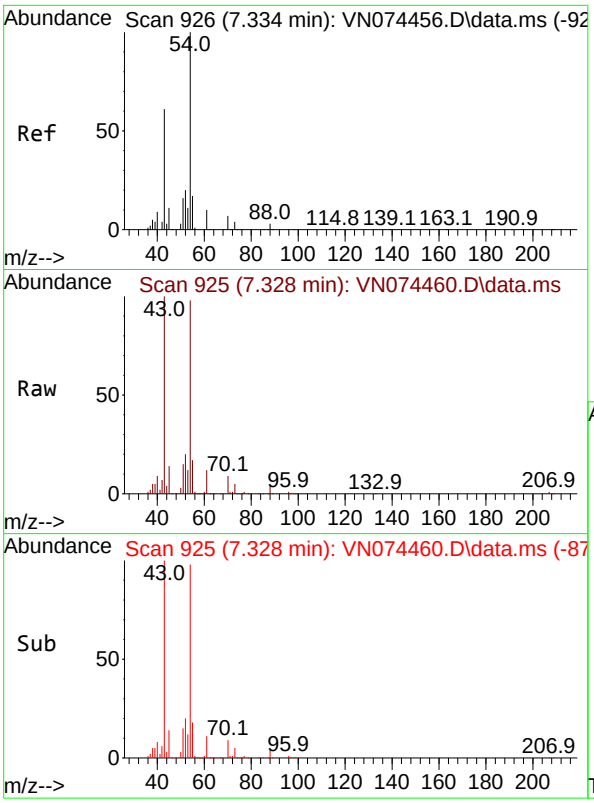


#36
1,1-Dichloropropene
Concen: 48.945 ug/l
RT: 8.145 min Scan# 1064
Delta R.T. -0.006 min
Lab File: VN074460.D
Acq: 15 Sep 2022 14:14

Tgt Ion: 75 Resp: 446082

Ion	Ratio	Lower	Upper
75	100		
110	32.4	18.3	54.8
77	30.1	25.1	37.7

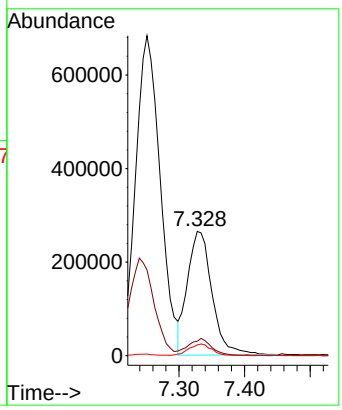




#37
Ethyl Acetate
Concen: 48.992 ug/l
RT: 7.328 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN074460.D
Acq: 15 Sep 2022 14:14

Tgt Ion: 43 Resp: 68956

Ion	Ratio	Lower	Upper
43	100		
61	12.3	11.8	17.6
70	9.0	9.3	13.9



Instrument :
MSVOA_N
ClientSampleId :
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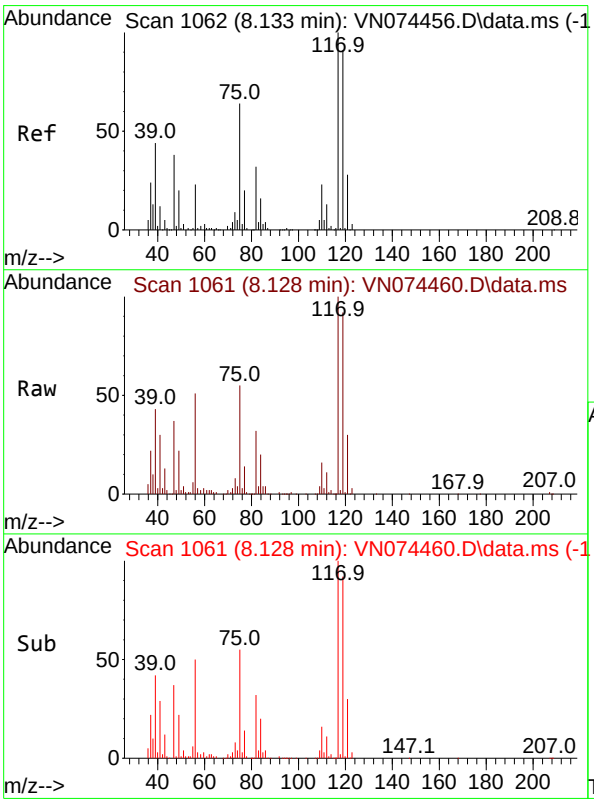
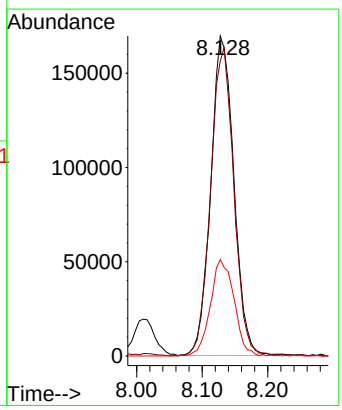
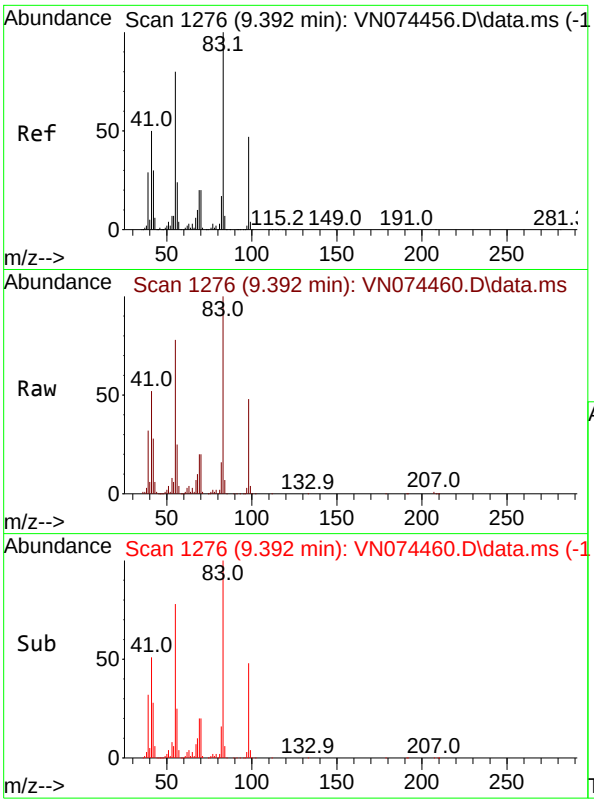


#38
Carbon Tetrachloride
Concen: 49.174 ug/l
RT: 8.128 min Scan# 1061
Delta R.T. -0.005 min
Lab File: VN074460.D
Acq: 15 Sep 2022 14:14

Tgt Ion:117 Resp: 413787

Ion	Ratio	Lower	Upper
117	100		
119	92.2	75.8	113.8
121	30.1	24.6	37.0

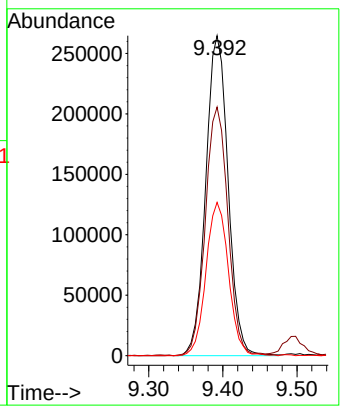




#39
Methylcyclohexane
Concen: 51.102 ug/l
RT: 9.392 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074460.D
Acq: 15 Sep 2022 14:14

Tgt Ion: 83 Resp: 55380

Ion	Ratio	Lower	Upper
83	100		
55	77.5	57.8	86.8
98	47.9	39.4	59.2



Instrument :
MSVOA_N
ClientSampleId :
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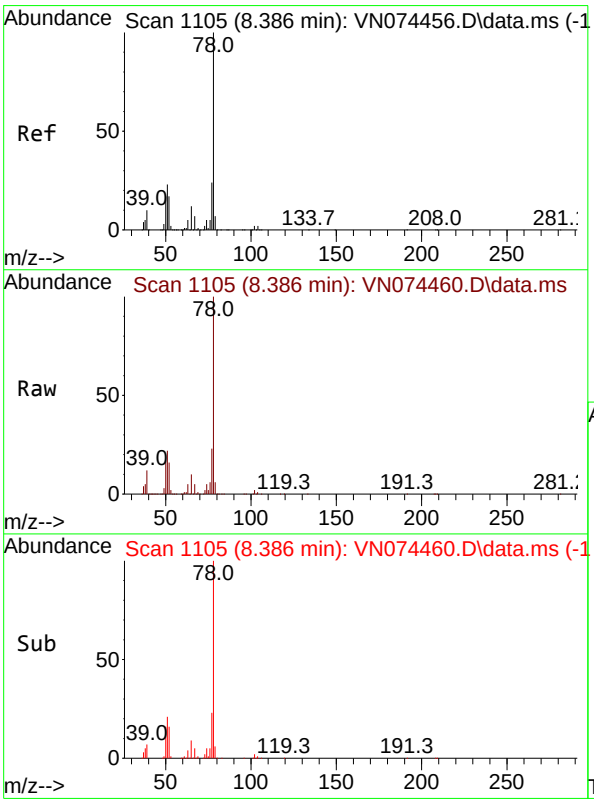
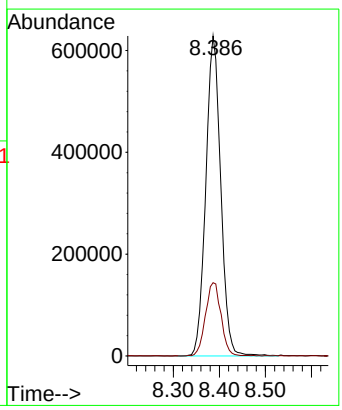
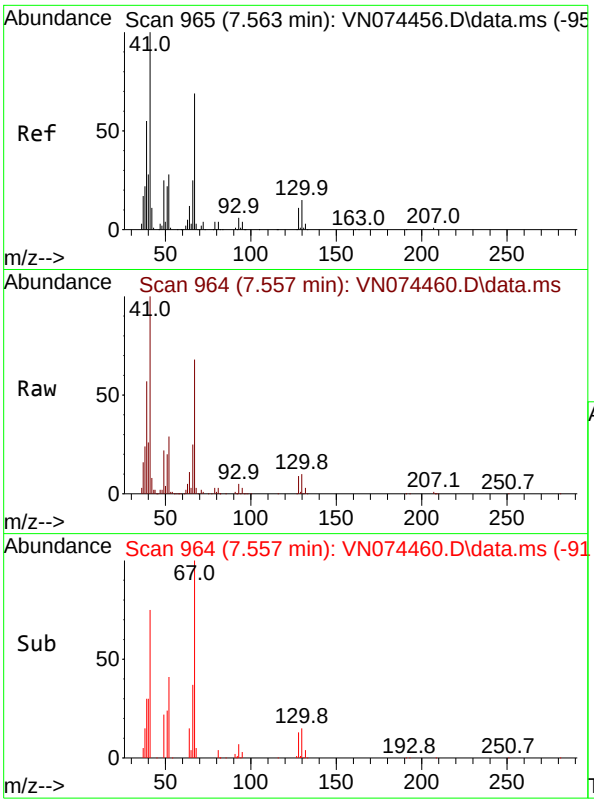


#40
Benzene
Concen: 50.370 ug/l
RT: 8.386 min Scan# 1105
Delta R.T. 0.000 min
Lab File: VN074460.D
Acq: 15 Sep 2022 14:14

Tgt Ion: 78 Resp: 1419554

Ion	Ratio	Lower	Upper
78	100		
77	22.9	19.4	29.0

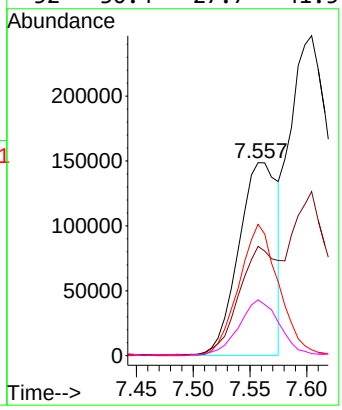




#41
Methacrylonitrile
Concen: 51.986 ug/l
RT: 7.557 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN074460.D
Acq: 15 Sep 2022 14:14

Tgt Ion: 41 Resp: 35375

Ion	Ratio	Lower	Upper
41	100		
39	54.6	48.6	73.0
67	70.6	73.4	110.2
52	30.4	27.7	41.5



Instrument :
MSVOA_N
ClientSampleId :
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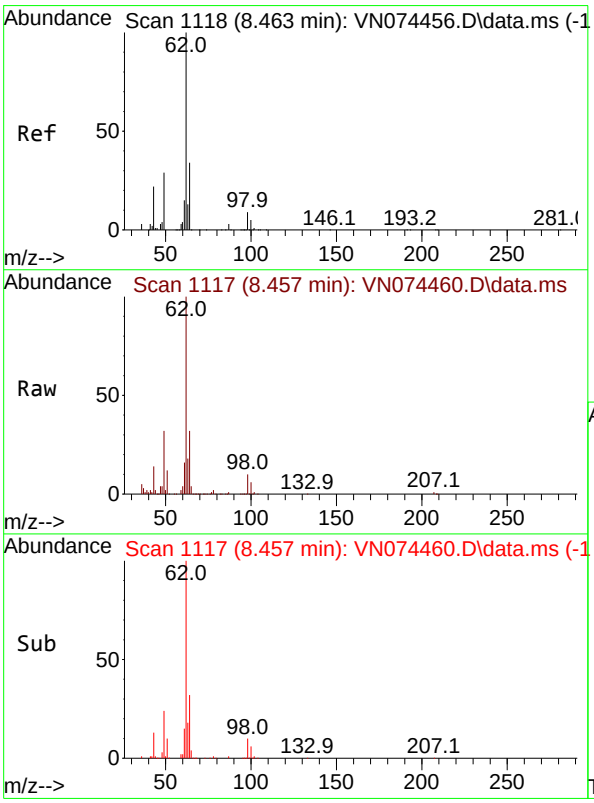
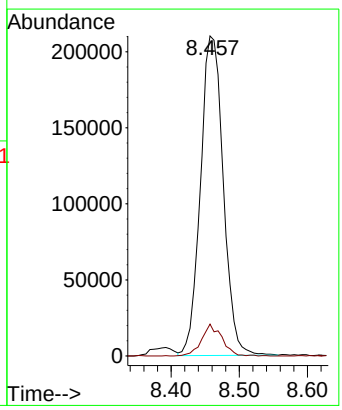
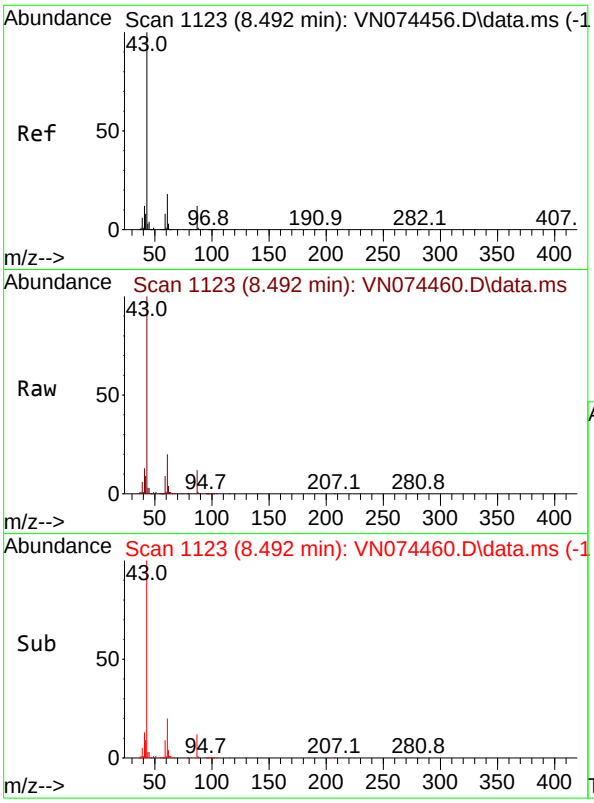


#42
1,2-Dichloroethane
Concen: 50.631 ug/l
RT: 8.457 min Scan# 1117
Delta R.T. -0.006 min
Lab File: VN074460.D
Acq: 15 Sep 2022 14:14

Tgt Ion: 62 Resp: 489674

Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	19.4

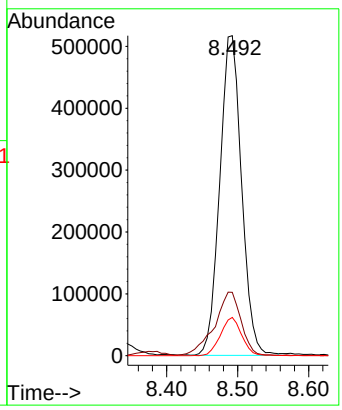




#43
Isopropyl Acetate
Concen: 50.008 ug/l
RT: 8.492 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074460.D
Acq: 15 Sep 2022 14:14

Tgt Ion: 43 Resp: 110251

Ion	Ratio	Lower	Upper
43	100		
61	24.1	21.9	32.9
87	11.6	12.0	18.0#



Instrument :
MSVOA_N
ClientSampleId :
ICVVN091522

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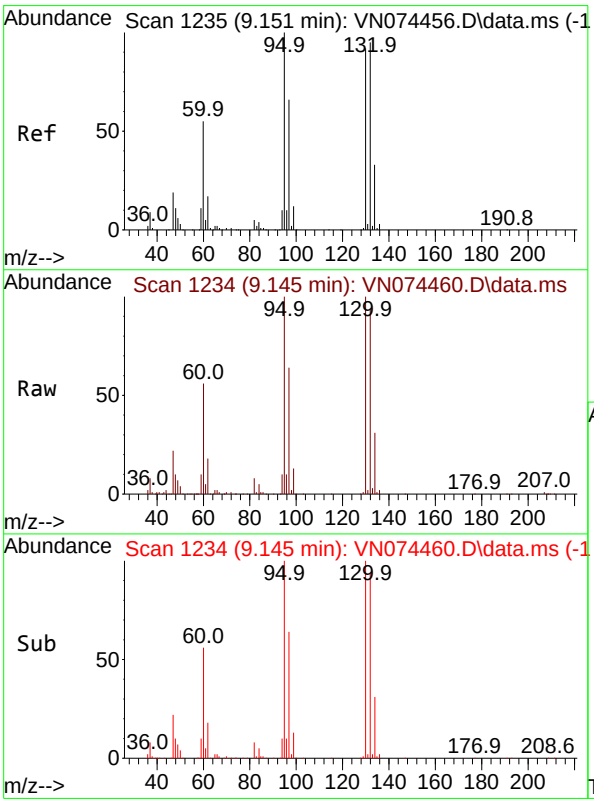
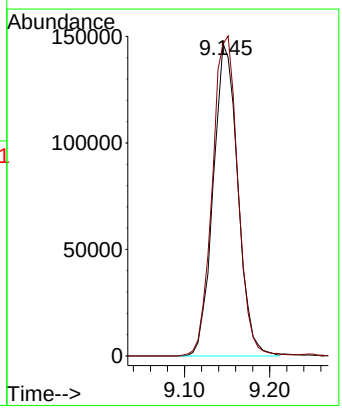
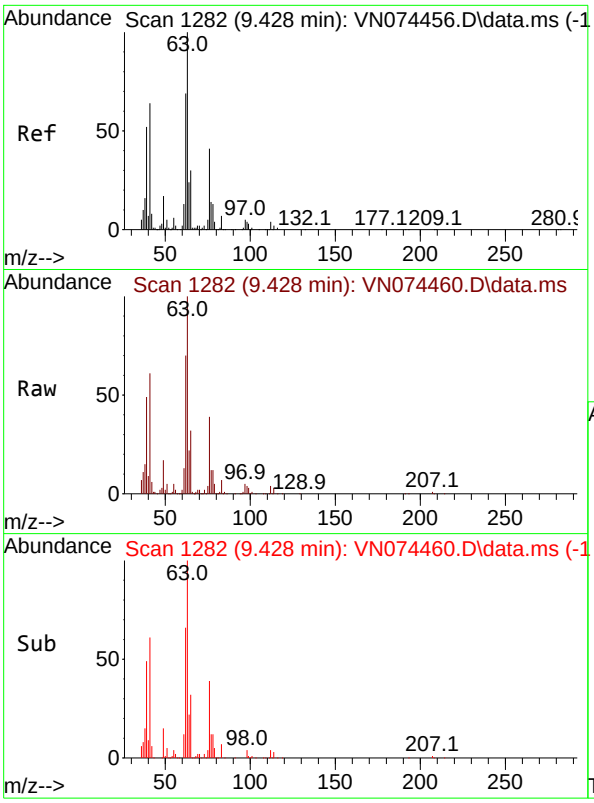


#44
Trichloroethene
Concen: 48.248 ug/l
RT: 9.145 min Scan# 1234
Delta R.T. -0.006 min
Lab File: VN074460.D
Acq: 15 Sep 2022 14:14

Tgt Ion:130 Resp: 294231

Ion	Ratio	Lower	Upper
130	100		
95	99.8	0.0	186.8





#45
1,2-Dichloropropane
Concen: 49.896 ug/l
RT: 9.428 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074460.D
Acq: 15 Sep 2022 14:14

Tgt Ion: 63 Resp: 38646

Ion	Ratio	Lower	Upper
63	100		
65	31.9	24.9	37.3

Instrument :
MSVOA_N
ClientSampleId :
ICVVN091522

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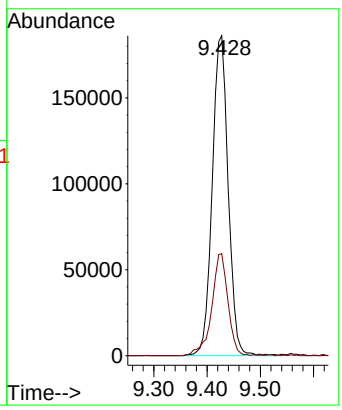
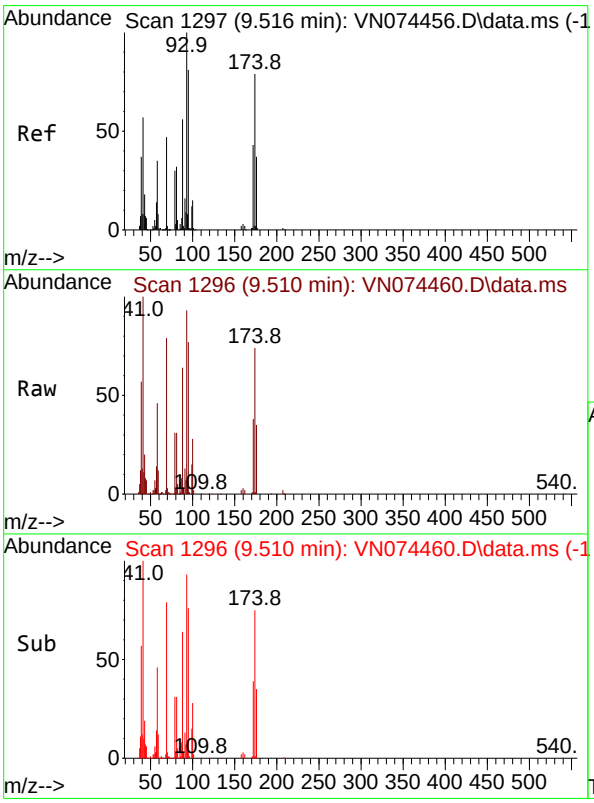
Supervised By :Mahesh Dadoda 09/16/2022

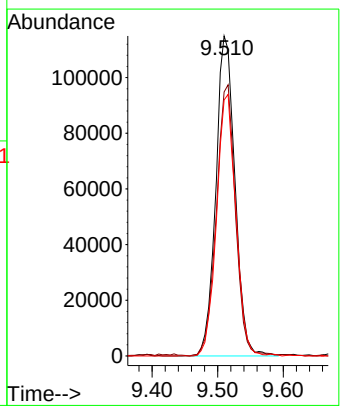


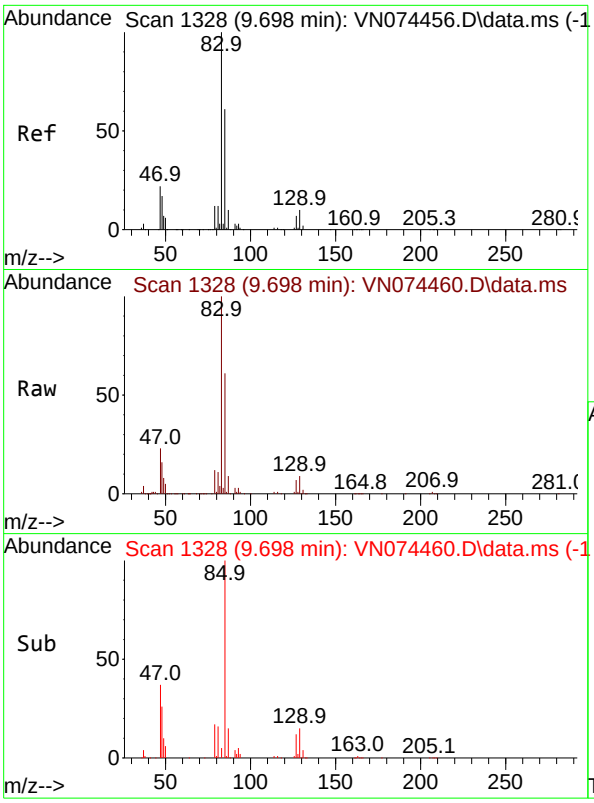


#46
Dibromomethane
Concen: 47.983 ug/l
RT: 9.510 min Scan# 1296
Delta R.T. -0.006 min
Lab File: VN074460.D
Acq: 15 Sep 2022 14:14

Tgt Ion: 93 Resp: 232761

Ion	Ratio	Lower	Upper
93	100		
95	84.7	66.9	100.3
174	82.1	86.6	130.0#

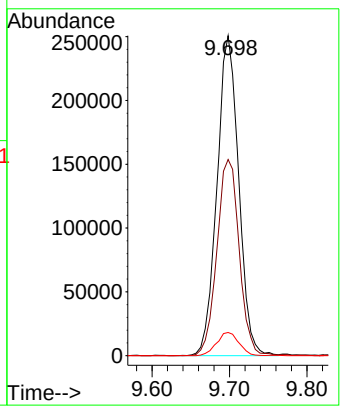




#47
Bromodichloromethane
Concen: 51.318 ug/l
RT: 9.698 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074460.D
Acq: 15 Sep 2022 14:14

Tgt Ion: 83 Resp: 48805

Ion	Ratio	Lower	Upper
83	100		
85	61.2	50.5	75.7
127	7.3	6.8	10.2



Instrument :
MSVOA_N
ClientSampleId :
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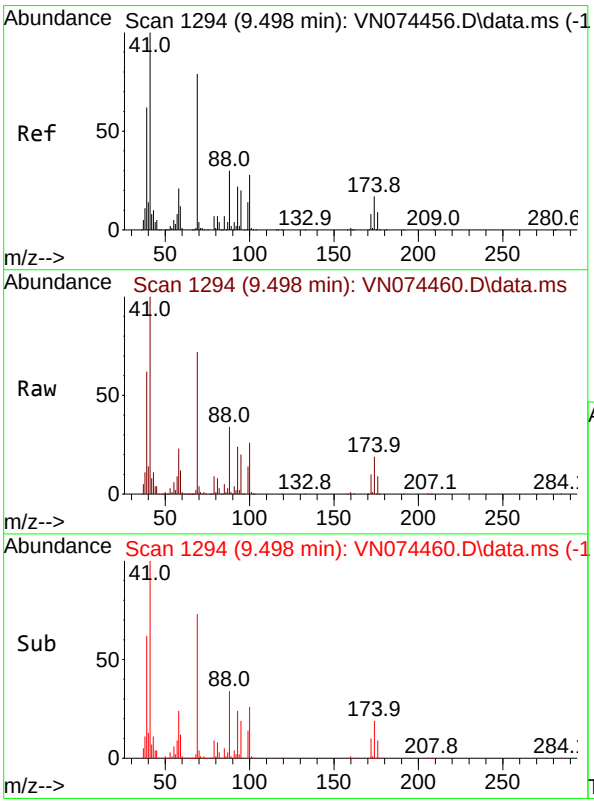
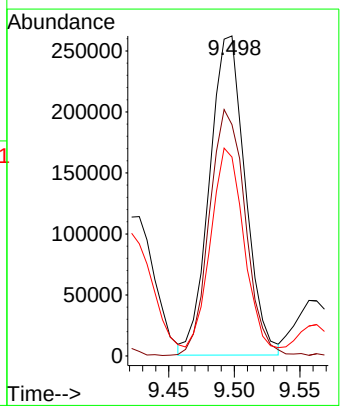
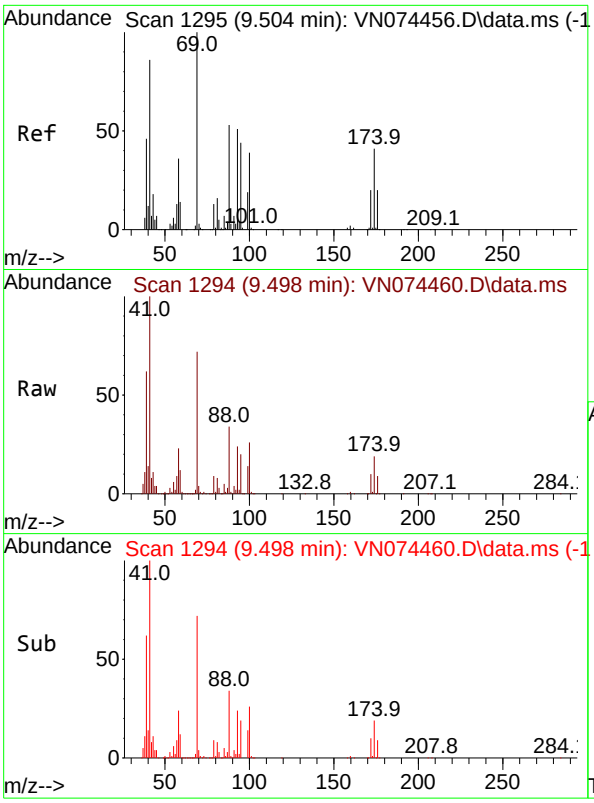


#48
Methyl methacrylate
Concen: 50.744 ug/l
RT: 9.498 min Scan# 1294
Delta R.T. 0.000 min
Lab File: VN074460.D
Acq: 15 Sep 2022 14:14

Tgt Ion: 41 Resp: 496065

Ion	Ratio	Lower	Upper
41	100		
69	77.5	74.7	112.1
39	62.1	45.6	68.4

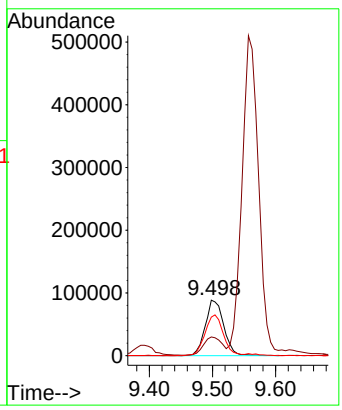




#49
1,4-Dioxane
Concen: 958.698 ug/l
RT: 9.498 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN074460.D
Acq: 15 Sep 2022 14:14

Tgt Ion: 88 Resp: 18018

Ion	Ratio	Lower	Upper
88	100		
43	32.7	20.2	30.4
58	73.0	54.2	81.4



Instrument :
MSVOA_N
ClientSampleId :
ICVVN091522

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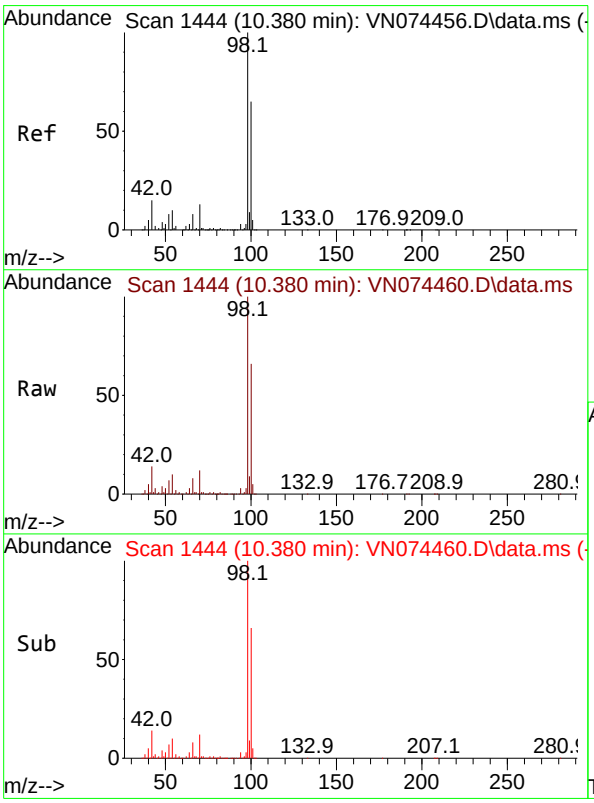
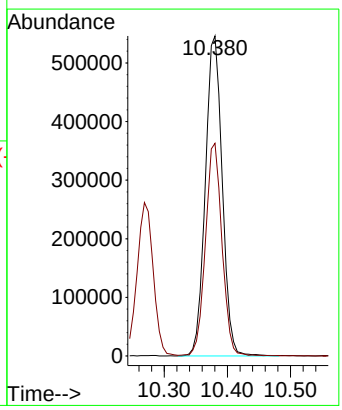
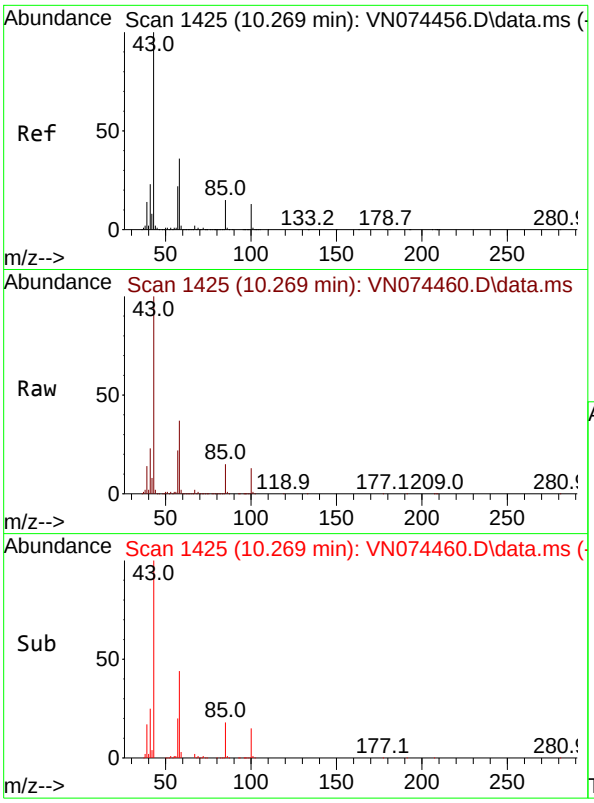


#50
Toluene-d8
Concen: 50.868 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074460.D
Acq: 15 Sep 2022 14:14

Tgt Ion: 98 Resp: 1012940

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.6	78.8

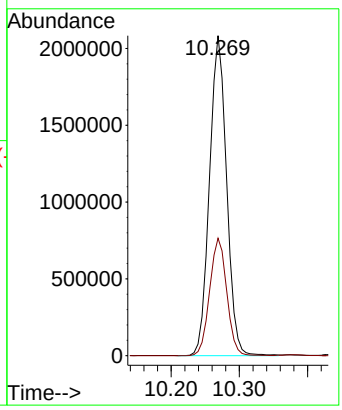




#51
4-Methyl-2-Pentanone
Concen: 252.669 ug/l
RT: 10.269 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN074460.D
Acq: 15 Sep 2022 14:14

Tgt Ion: 43 Resp: 363769

Ion	Ratio	Lower	Upper
43	100		
58	36.7	34.1	51.1



Instrument :
MSVOA_N
ClientSampleId :
ICVVN091522

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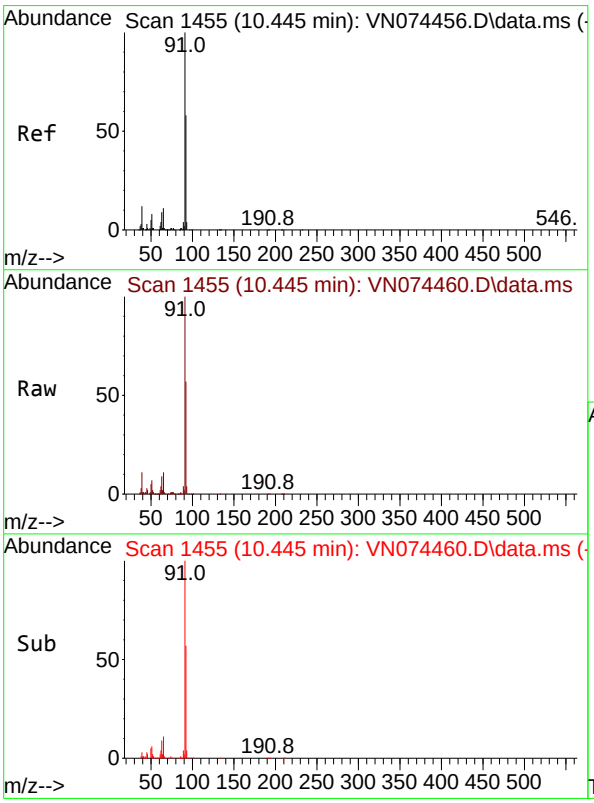
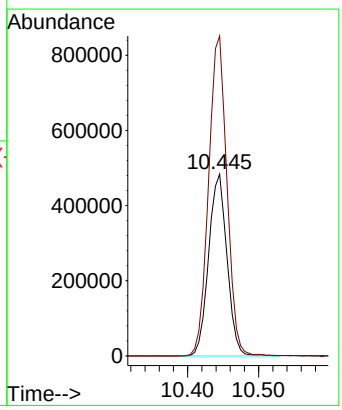
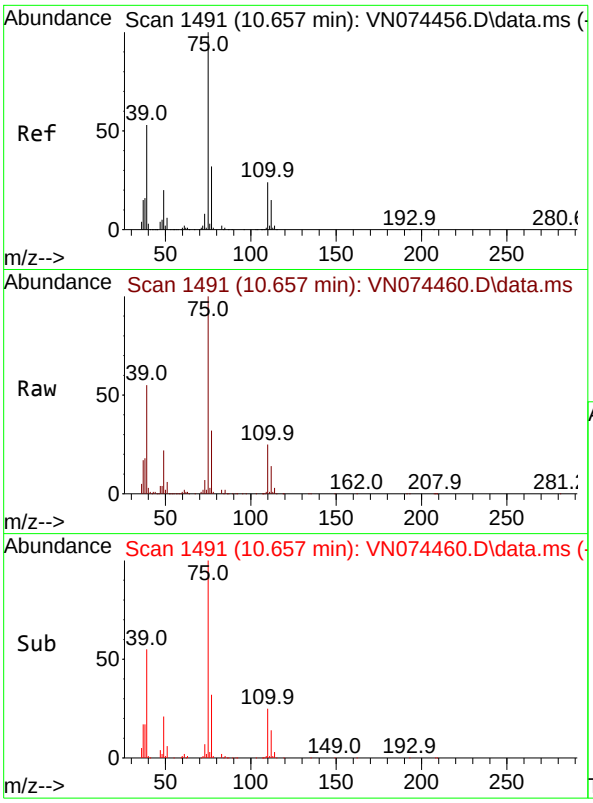


#52
Toluene
Concen: 52.491 ug/l
RT: 10.445 min Scan# 1455
Delta R.T. 0.000 min
Lab File: VN074460.D
Acq: 15 Sep 2022 14:14

Tgt Ion: 92 Resp: 867482

Ion	Ratio	Lower	Upper
92	100		
91	176.2	138.6	207.8

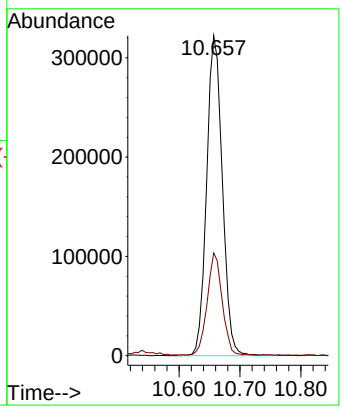




#53
t-1,3-Dichloropropene
Concen: 52.046 ug/l
RT: 10.657 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN074460.D
Acq: 15 Sep 2022 14:14

Tgt Ion: 75 Resp: 57689

Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.6	38.4



Instrument :
MSVOA_N
ClientSampleId :
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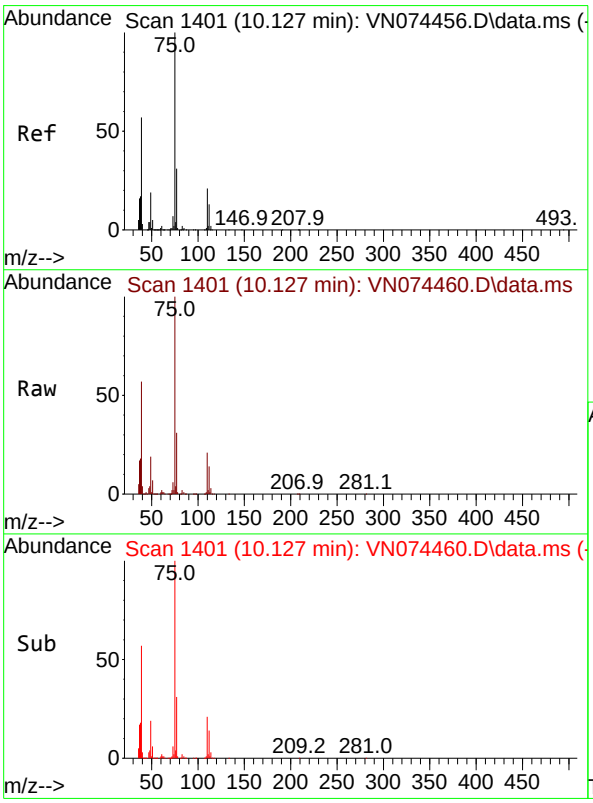
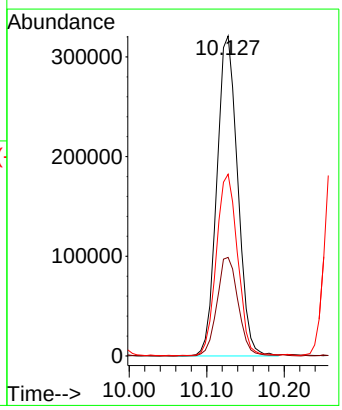
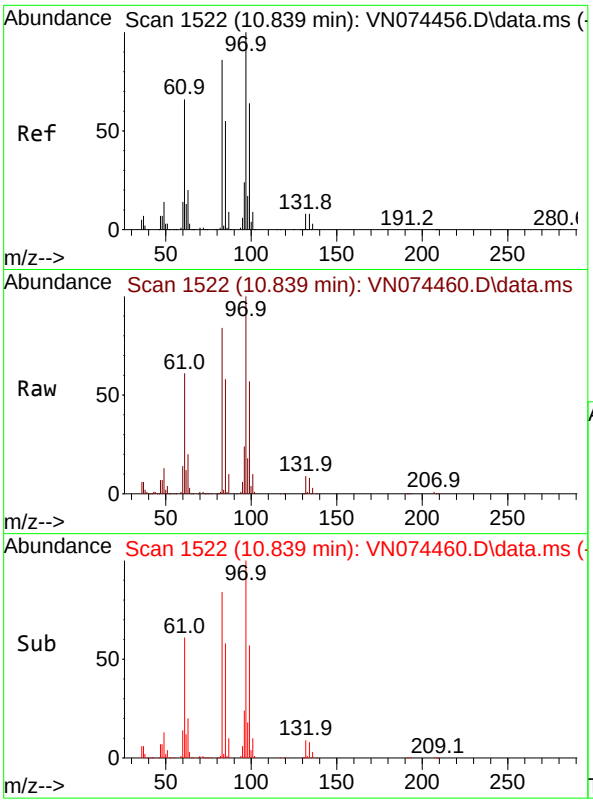


#54
cis-1,3-Dichloropropene
Concen: 50.553 ug/l
RT: 10.127 min Scan# 1401
Delta R.T. 0.000 min
Lab File: VN074460.D
Acq: 15 Sep 2022 14:14

Tgt Ion: 75 Resp: 599648

Ion	Ratio	Lower	Upper
75	100		
77	30.7	25.2	37.8
39	56.7	35.7	53.5#

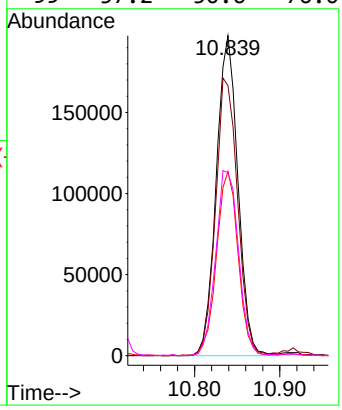




#55
1,1,2-Trichloroethane
Concen: 49.900 ug/l
RT: 10.839 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074460.D
Acq: 15 Sep 2022 14:14

Tgt Ion: 97 Resp: 34931

Ion	Ratio	Lower	Upper
97	100		
83	84.4	66.2	99.4
85	57.6	43.9	65.9
99	57.2	50.6	76.0



Instrument :
MSVOA_N
ClientSampleId :
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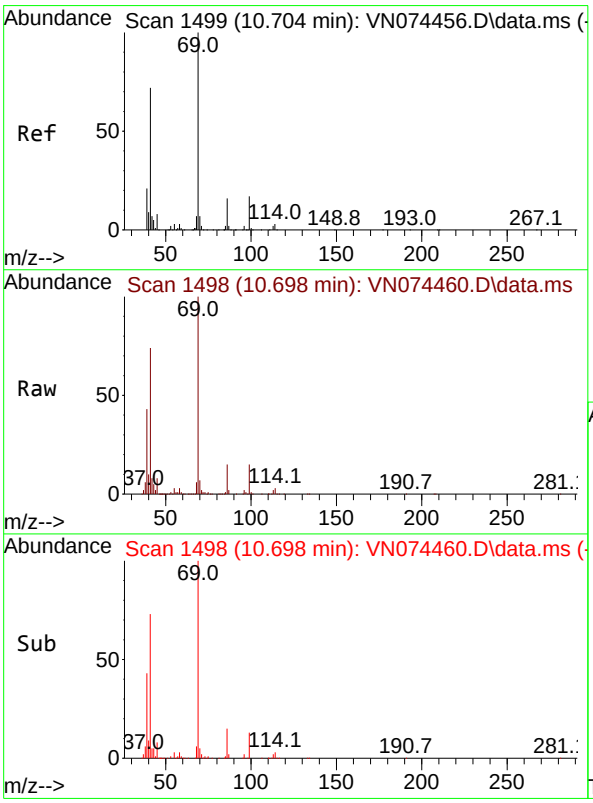
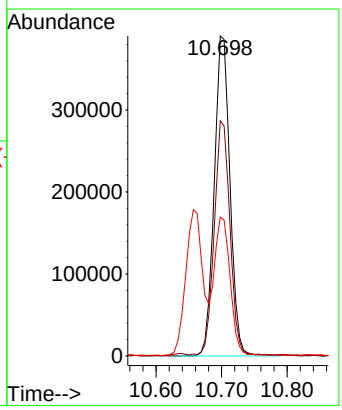
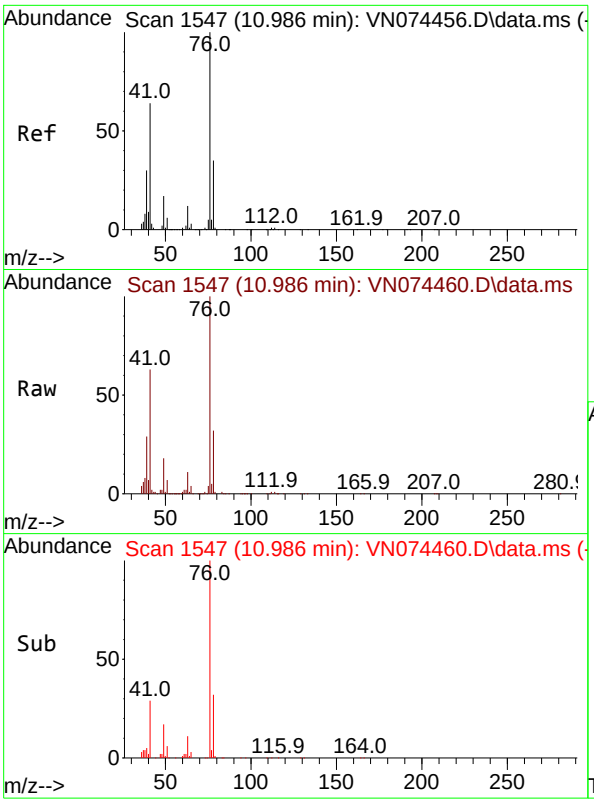


#56
Ethyl methacrylate
Concen: 51.882 ug/l
RT: 10.698 min Scan# 1498
Delta R.T. -0.006 min
Lab File: VN074460.D
Acq: 15 Sep 2022 14:14

Tgt Ion: 69 Resp: 648751

Ion	Ratio	Lower	Upper
69	100		
41	72.5	47.8	71.6#
39	43.2	27.3	40.9#

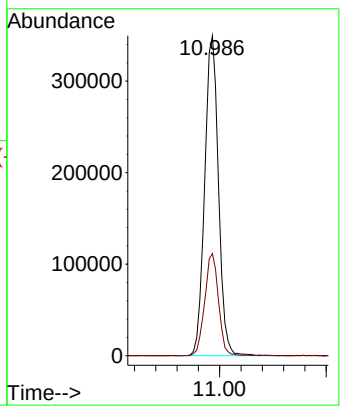




#57
1,3-Dichloropropane
Concen: 51.211 ug/l
RT: 10.986 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074460.D
Acq: 15 Sep 2022 14:14

Tgt Ion: 76 Resp: 62853

Ion	Ratio	Lower	Upper
76	100		
78	31.9	26.2	39.2



Instrument :
MSVOA_N
ClientSampleId :
ICVVN091522

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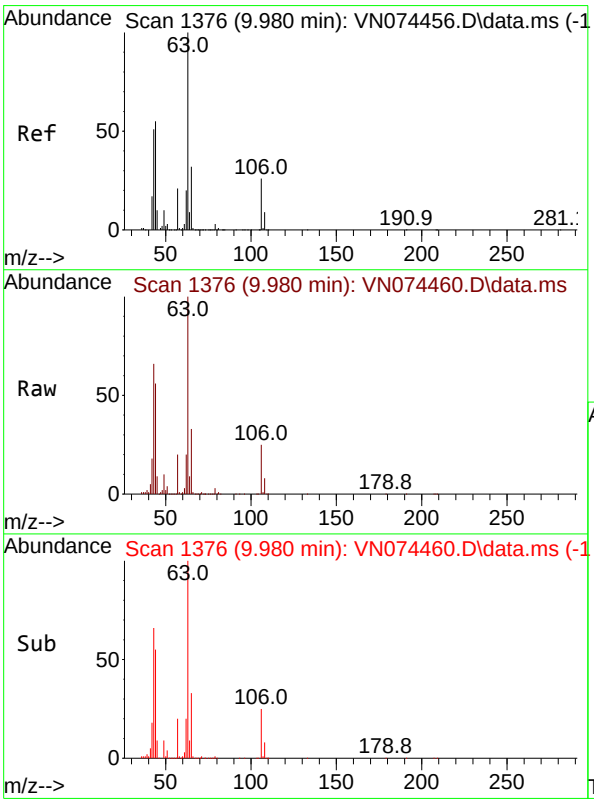
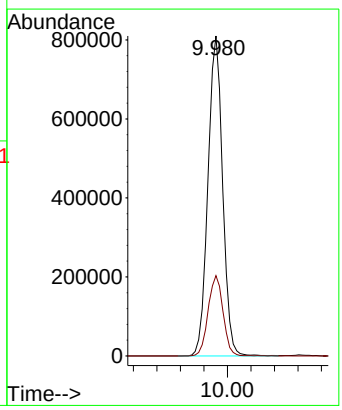
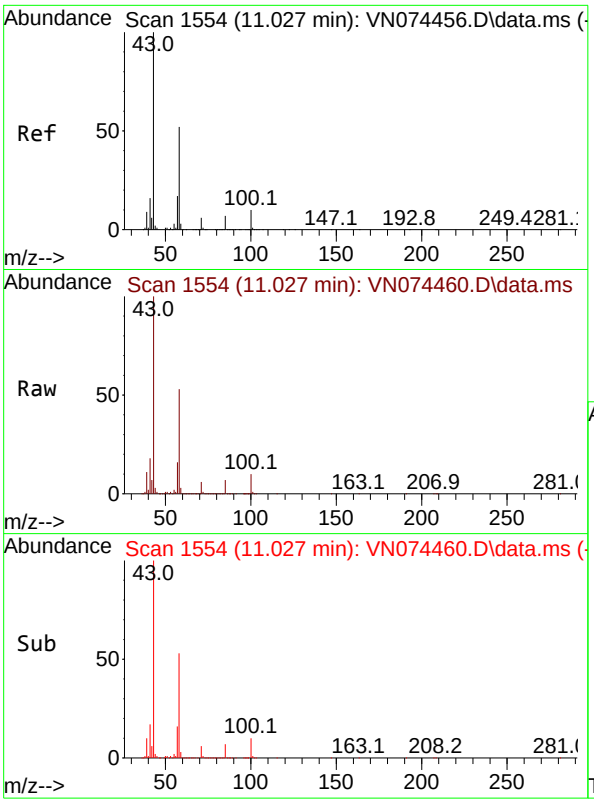


#58
2-Chloroethyl Vinyl ether
Concen: 255.029 ug/l
RT: 9.980 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VN074460.D
Acq: 15 Sep 2022 14:14

Tgt Ion: 63 Resp: 1403455

Ion	Ratio	Lower	Upper
63	100		
106	25.5	24.6	36.8

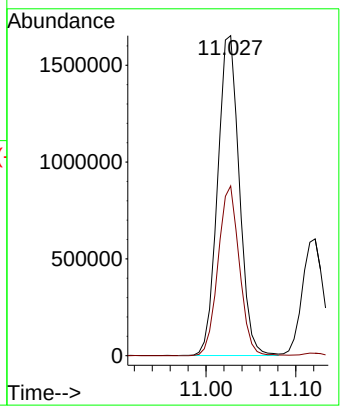




#59
2-Hexanone
Concen: 252.157 ug/l
RT: 11.027 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074460.D
Acq: 15 Sep 2022 14:14

Tgt Ion: 43 Resp: 277135

Ion	Ratio	Lower	Upper
43	100		
58	52.2	29.7	89.1



Instrument :
MSVOA_N
ClientSampleId :
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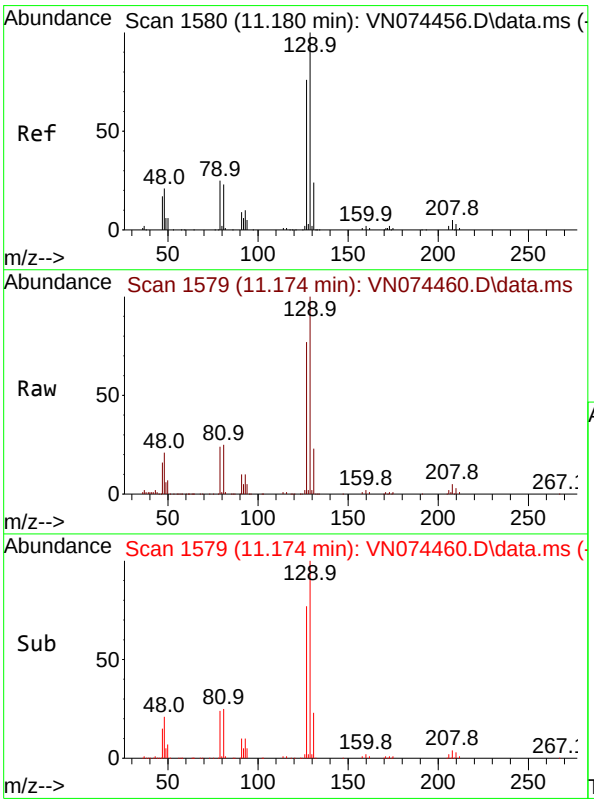
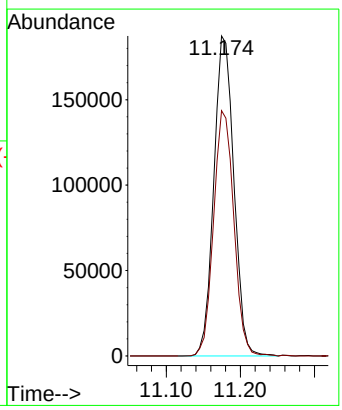
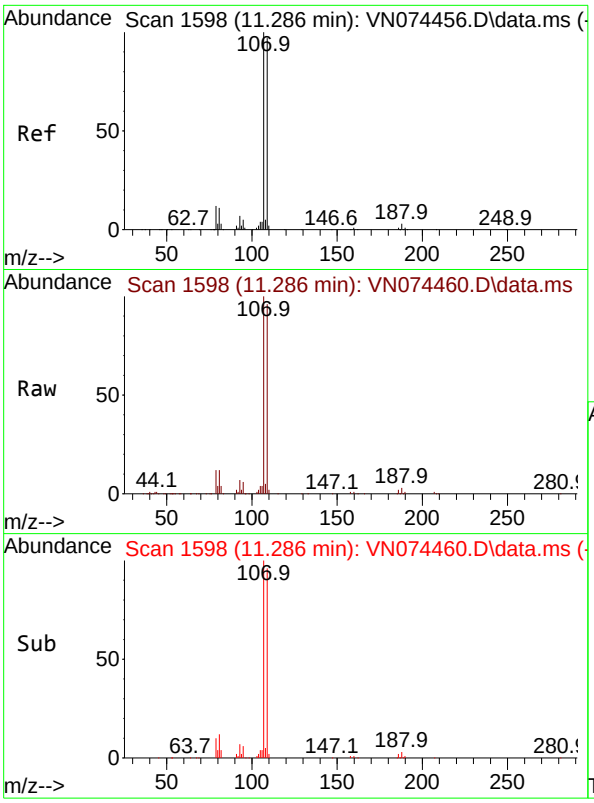


#60
Dibromochloromethane
Concen: 52.533 ug/l
RT: 11.174 min Scan# 1579
Delta R.T. -0.006 min
Lab File: VN074460.D
Acq: 15 Sep 2022 14:14

Tgt Ion:129 Resp: 352045

Ion	Ratio	Lower	Upper
129	100		
127	77.4	38.8	116.4

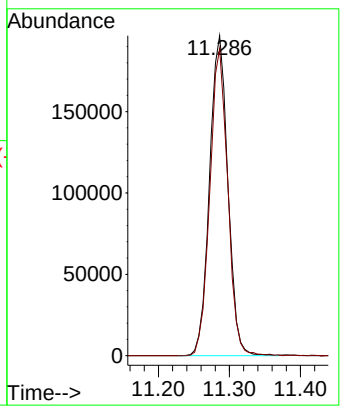




#61
1,2-Dibromoethane
Concen: 51.775 ug/l
RT: 11.286 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074460.D
Acq: 15 Sep 2022 14:14

Tgt Ion:107 Resp: 35209

Ion	Ratio	Lower	Upper
107	100		
109	93.6	75.0	112.6



Instrument :
MSVOA_N
ClientSampleId :
ICVVN091522

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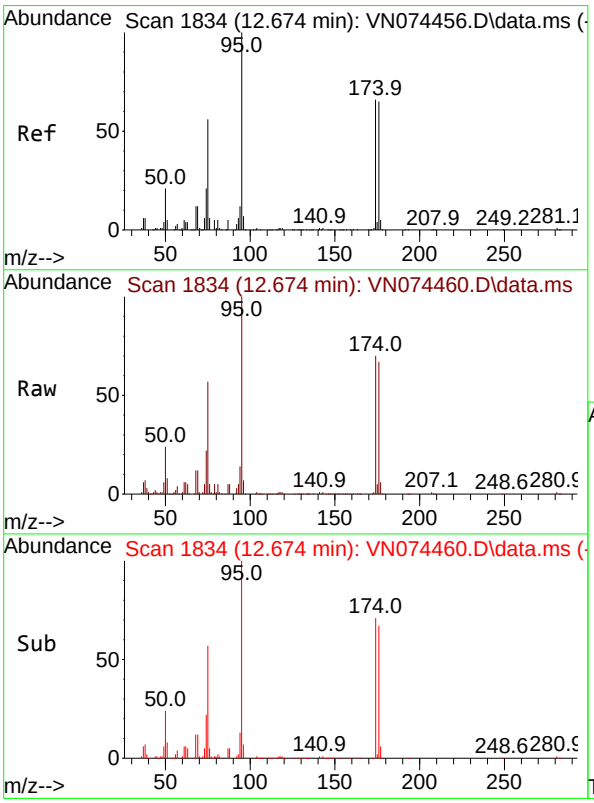
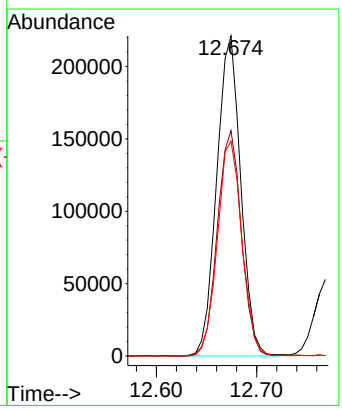
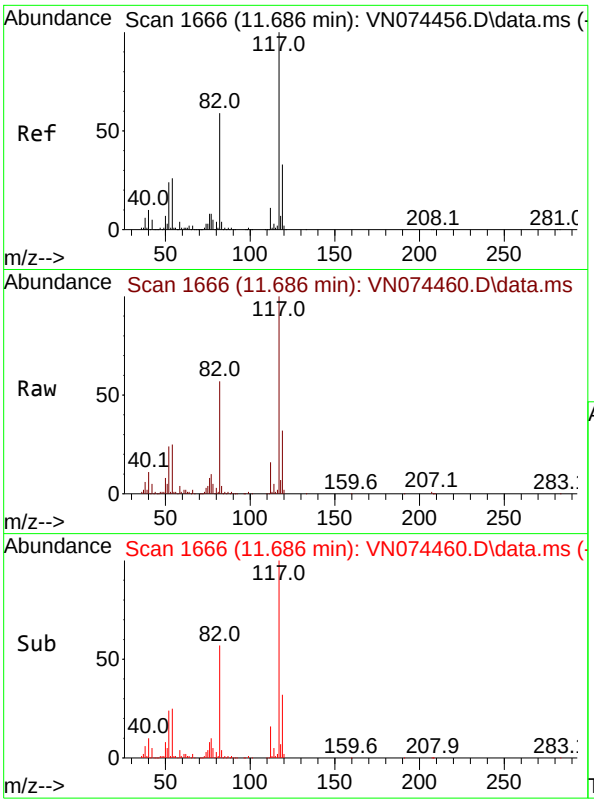


#62
4-Bromofluorobenzene
Concen: 53.905 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN074460.D
Acq: 15 Sep 2022 14:14

Tgt Ion: 95 Resp: 367644

Ion	Ratio	Lower	Upper
95	100		
174	70.6	0.0	167.6
176	68.1	0.0	163.4

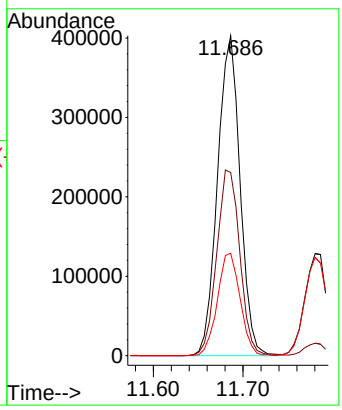




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VN074460.D
Acq: 15 Sep 2022 14:14

Tgt Ion:117 Resp: 70321(

Ion	Ratio	Lower	Upper
117	100		
82	57.3	44.2	66.2
119	32.0	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
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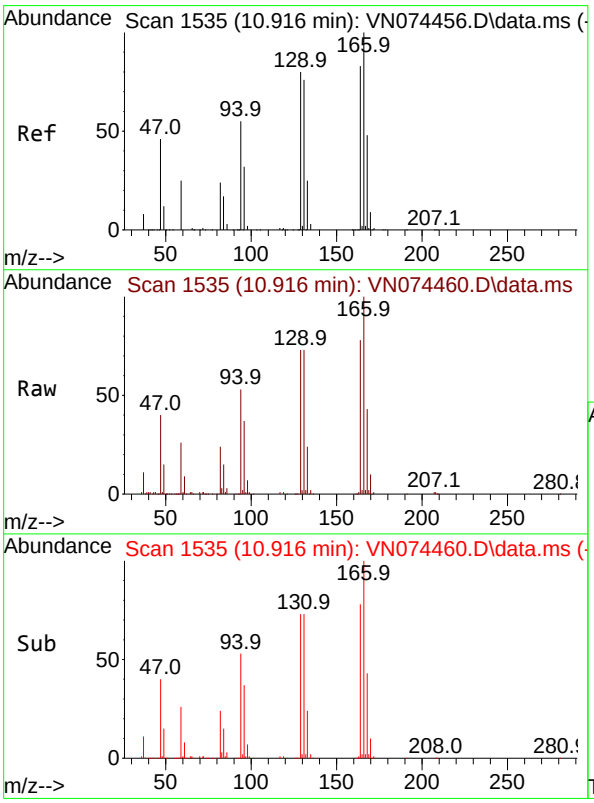
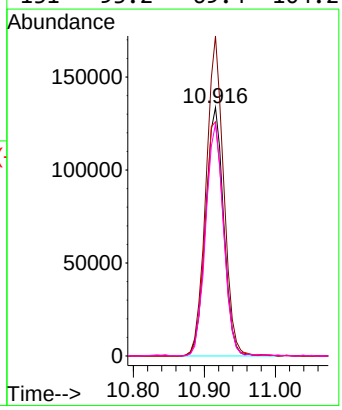
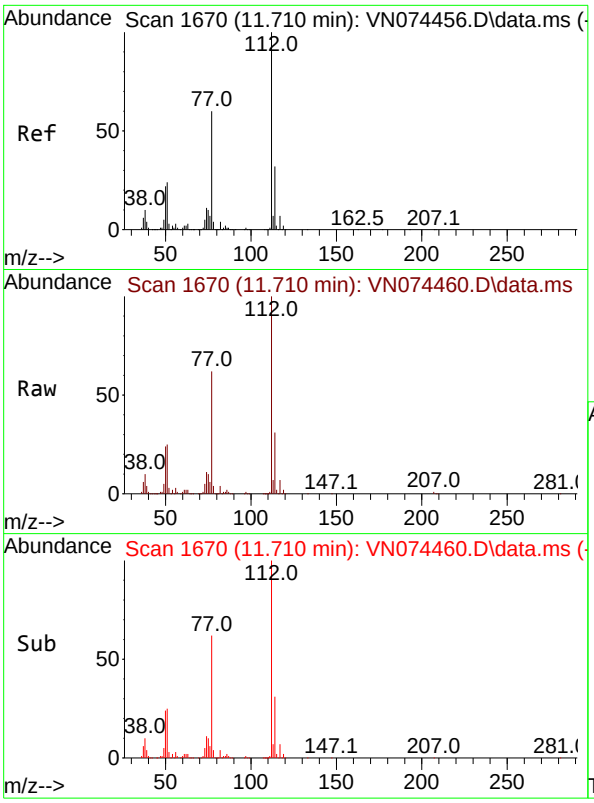


#64
Tetrachloroethene
Concen: 49.102 ug/l
RT: 10.916 min Scan# 1535
Delta R.T. -0.000 min
Lab File: VN074460.D
Acq: 15 Sep 2022 14:14

Tgt Ion:164 Resp: 236965

Ion	Ratio	Lower	Upper
164	100		
166	128.8	104.2	156.2
129	94.2	73.9	110.9
131	93.2	69.4	104.2

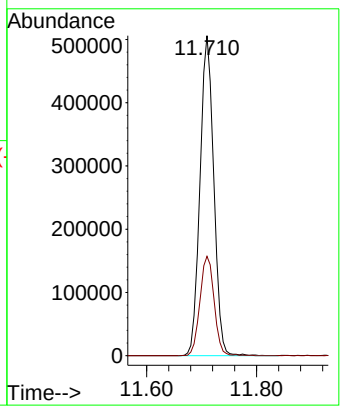




#65
Chlorobenzene
Concen: 49.858 ug/l
RT: 11.710 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074460.D
Acq: 15 Sep 2022 14:14

Tgt Ion:112 Resp: 88018

Ion	Ratio	Lower	Upper
112	100		
114	31.1	25.4	38.2



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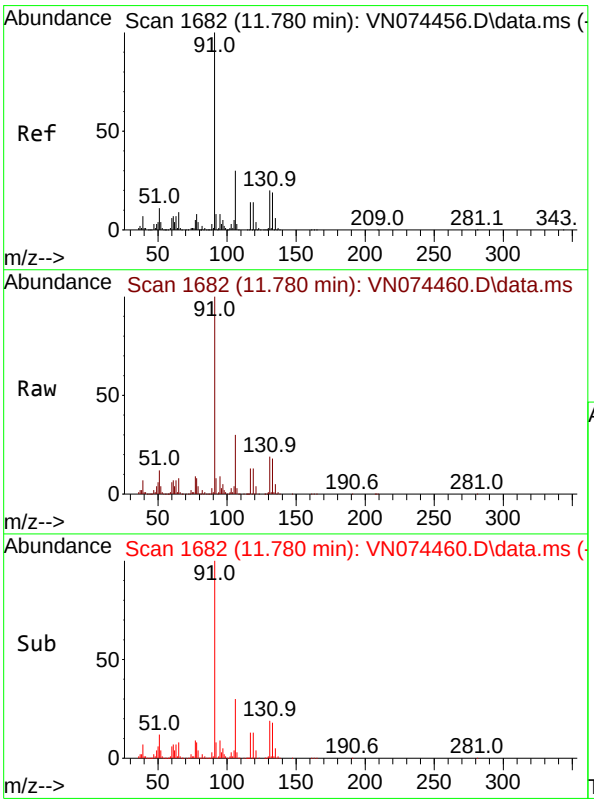
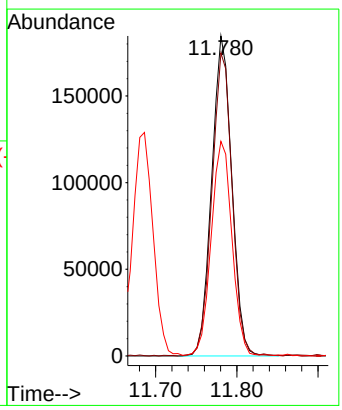
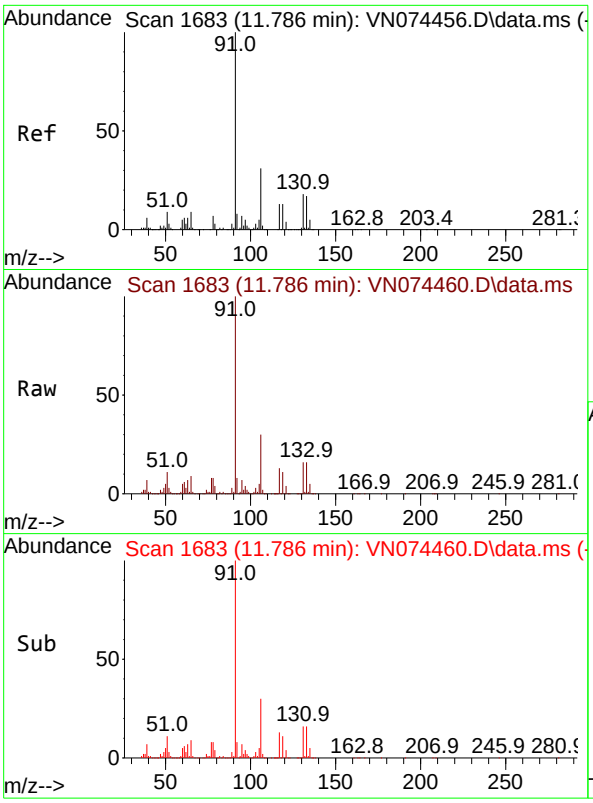


#66
1,1,1,2-Tetrachloroethane
Concen: 49.563 ug/l
RT: 11.780 min Scan# 1682
Delta R.T. 0.000 min
Lab File: VN074460.D
Acq: 15 Sep 2022 14:14

Tgt Ion:131 Resp: 317905

Ion	Ratio	Lower	Upper
131	100		
133	95.3	47.8	143.4
119	68.9	33.4	100.2

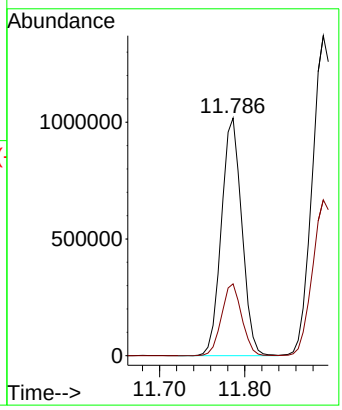




#67
Ethyl Benzene
Concen: 52.253 ug/l
RT: 11.786 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VN074460.D
Acq: 15 Sep 2022 14:14

Tgt Ion: 91 Resp: 169363

Ion	Ratio	Lower	Upper
91	100		
106	30.3	24.9	37.3



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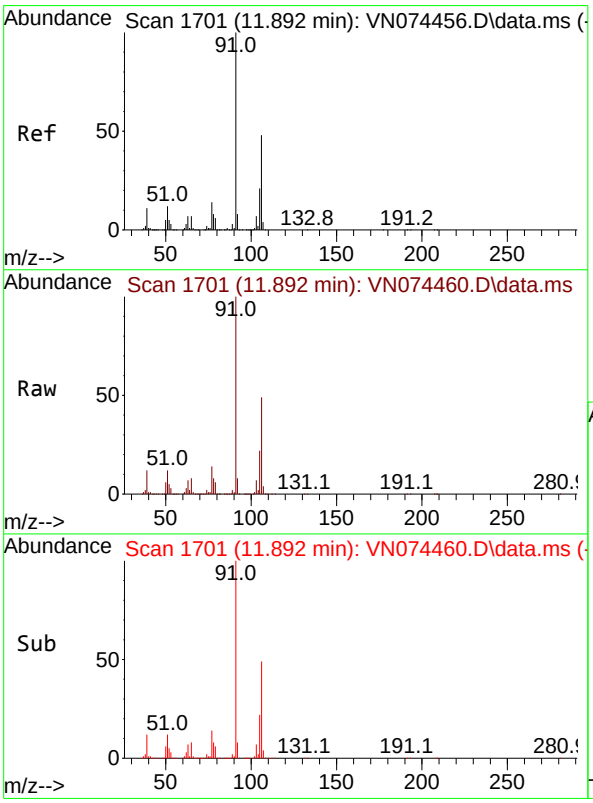
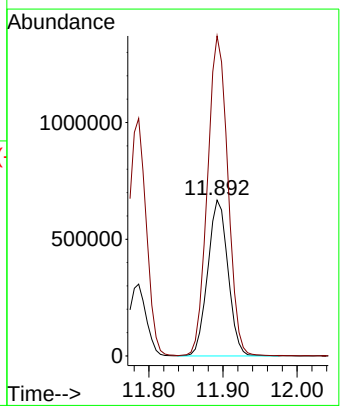
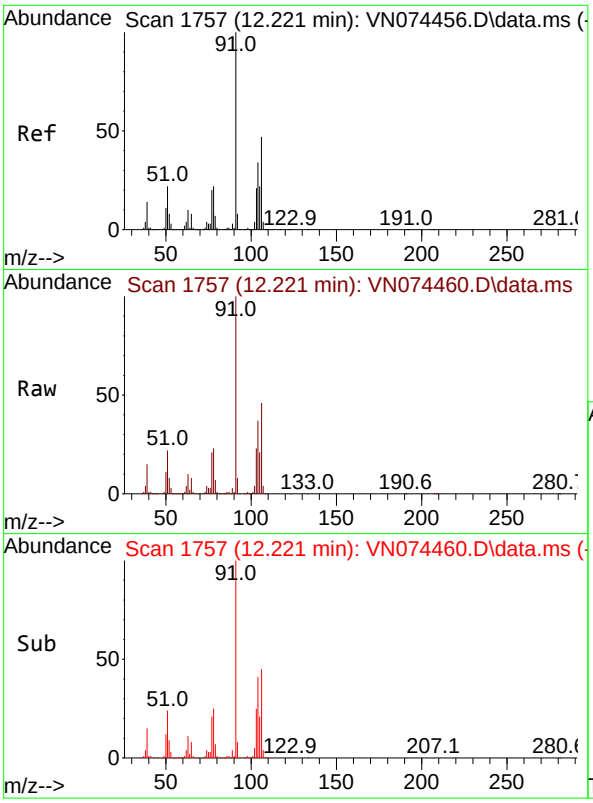


#68
m/p-Xylenes
Concen: 105.728 ug/l
RT: 11.892 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN074460.D
Acq: 15 Sep 2022 14:14

Tgt Ion:106 Resp: 1267026

Ion	Ratio	Lower	Upper
106	100		
91	205.9	158.9	238.3





#69
o-Xylene
Concen: 51.840 ug/l
RT: 12.221 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074460.D
Acq: 15 Sep 2022 14:14

Tgt Ion:106 Resp: 63341

Ion	Ratio	Lower	Upper
106	100		
91	218.6	106.0	318.0

Instrument :
MSVOA_N
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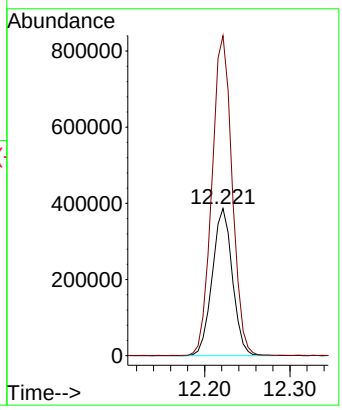
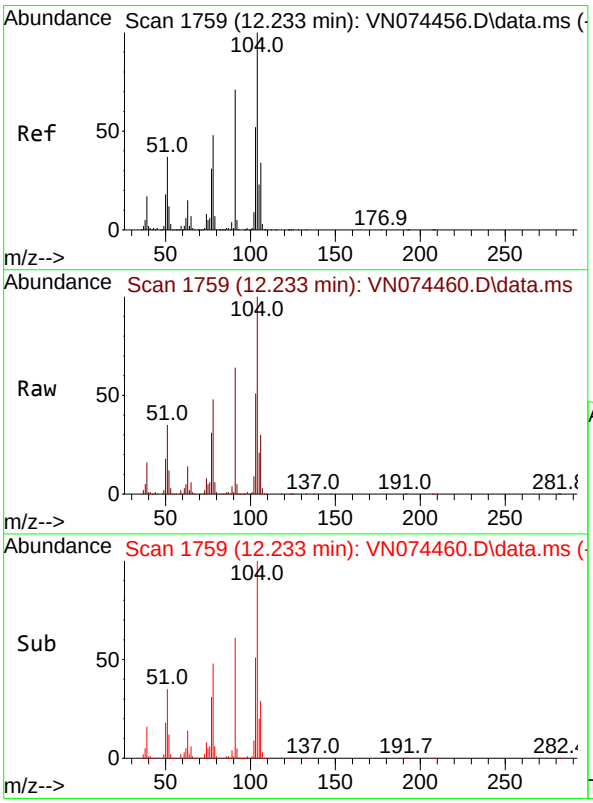
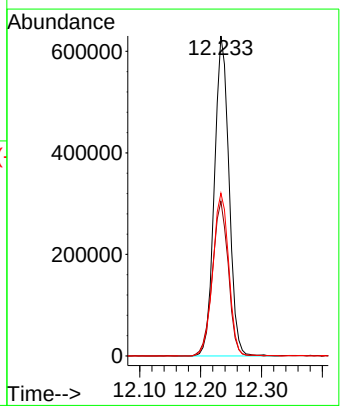


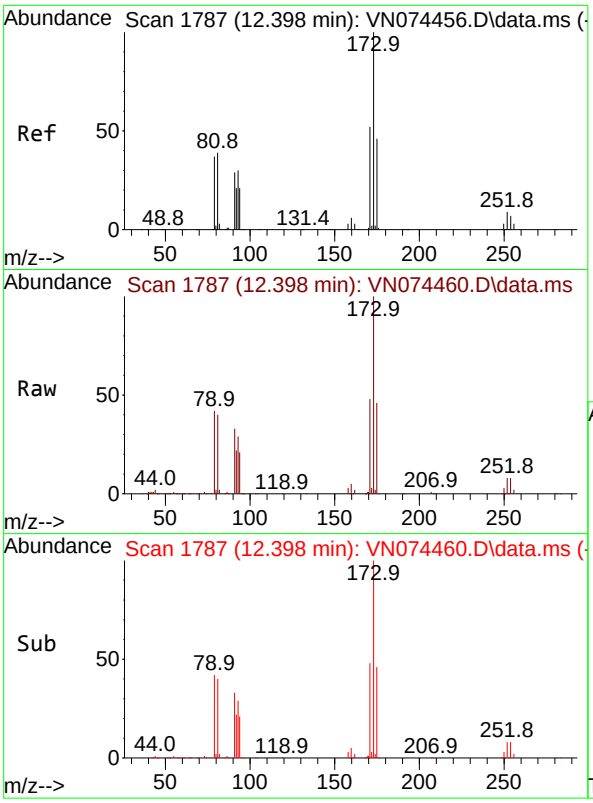


#70
Styrene
Concen: 51.657 ug/l
RT: 12.233 min Scan# 1759
Delta R.T. 0.000 min
Lab File: VN074460.D
Acq: 15 Sep 2022 14:14

Tgt Ion:104 Resp: 1049933

Ion	Ratio	Lower	Upper
104	100		
78	52.5	39.5	59.3
103	55.1	44.0	66.0

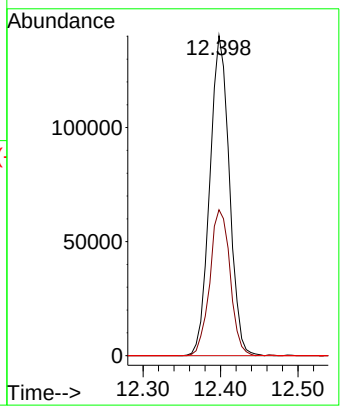




#71
Bromoform
Concen: 52.241 ug/l
RT: 12.398 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074460.D
Acq: 15 Sep 2022 14:14

Tgt Ion:173 Resp: 24627

Ion	Ratio	Lower	Upper
173	100		
175	47.2	24.6	73.6
254	0.0	0.1	0.1



Instrument :
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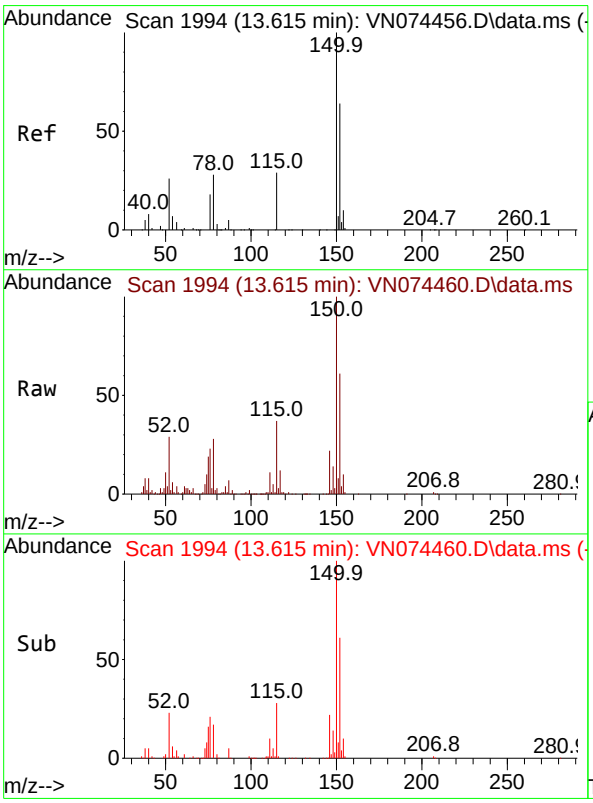
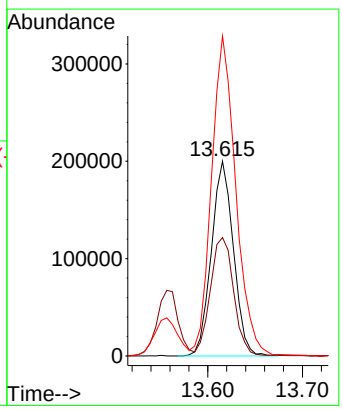
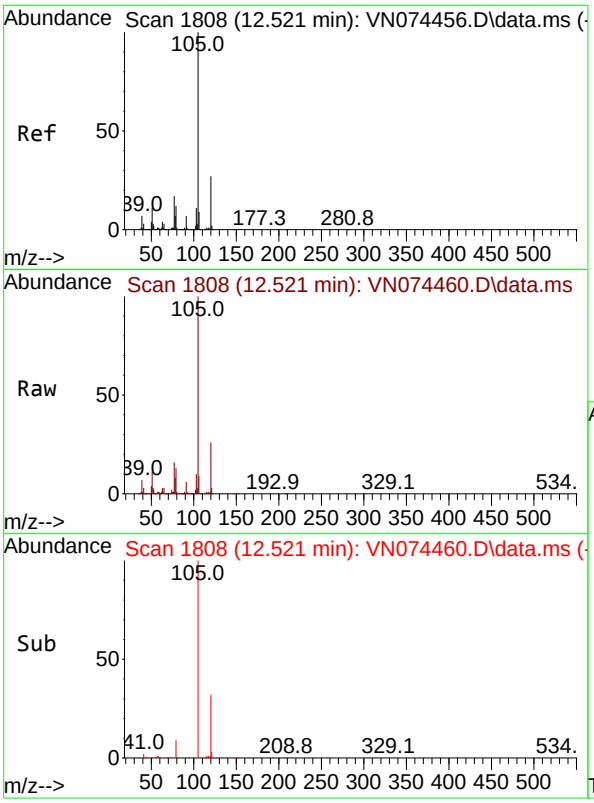


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.615 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VN074460.D
Acq: 15 Sep 2022 14:14

Tgt Ion:152 Resp: 323594

Ion	Ratio	Lower	Upper
152	100		
115	63.3	28.9	86.7
150	181.3	0.0	356.2

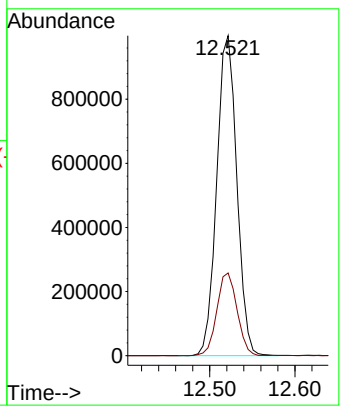




#73
Isopropylbenzene
Concen: 49.352 ug/l
RT: 12.521 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074460.D
Acq: 15 Sep 2022 14:14

Tgt Ion:105 Resp: 163521

Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.5	40.4



Instrument :
MSVOA_N
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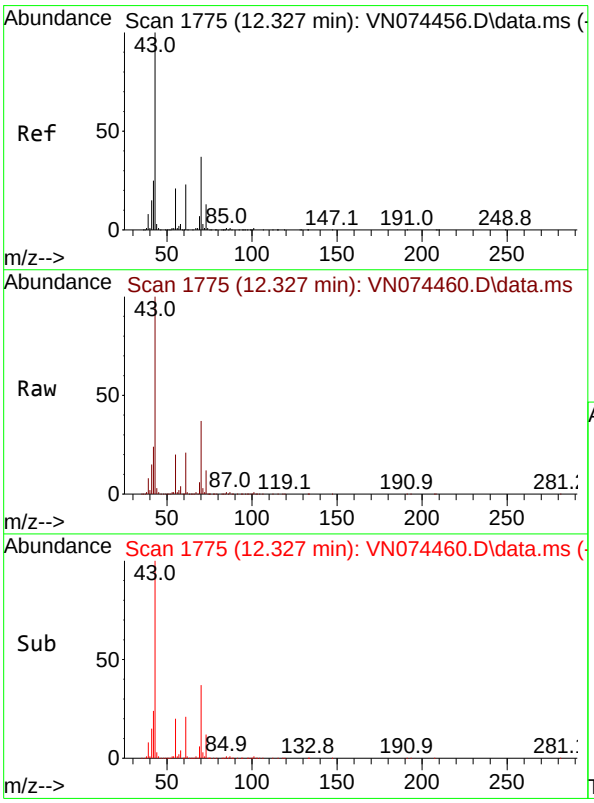
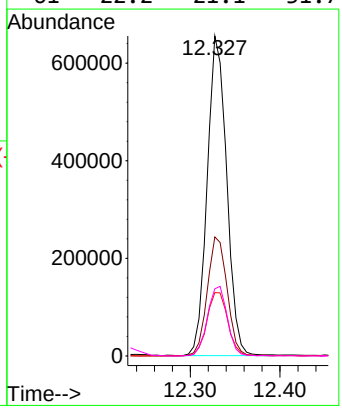
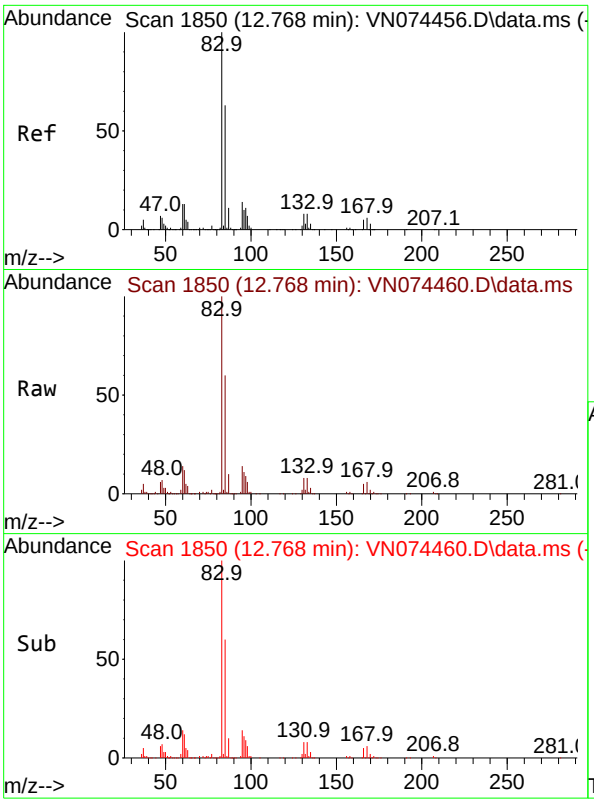


#74
N-amyl acetate
Concen: 47.698 ug/l
RT: 12.327 min Scan# 1775
Delta R.T. 0.000 min
Lab File: VN074460.D
Acq: 15 Sep 2022 14:14

Tgt Ion: 43 Resp: 988135

Ion	Ratio	Lower	Upper
43	100		
70	38.0	39.0	58.4#
55	21.0	21.1	31.7#
61	22.2	21.1	31.7

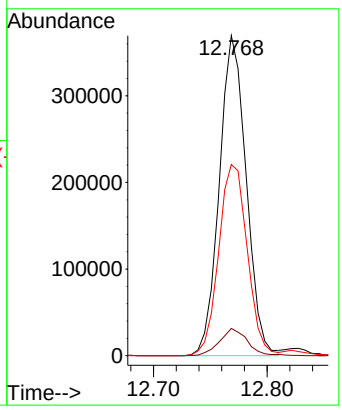




#75
1,1,2,2-Tetrachloroethane
Concen: 45.799 ug/l
RT: 12.768 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074460.D
Acq: 15 Sep 2022 14:14

Tgt Ion: 83 Resp: 60811

Ion	Ratio	Lower	Upper
83	100		
131	8.8	5.3	15.9
85	63.4	32.3	96.9



Instrument :
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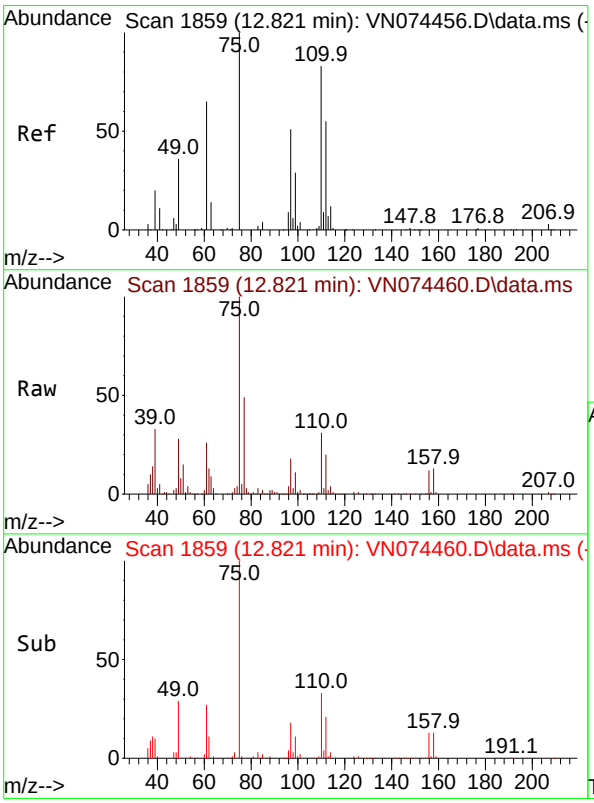
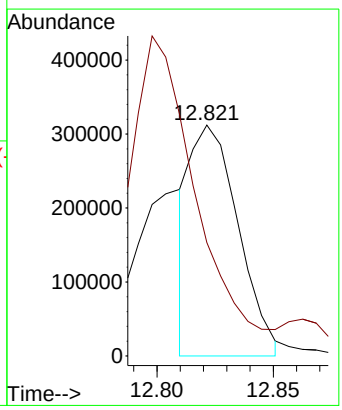
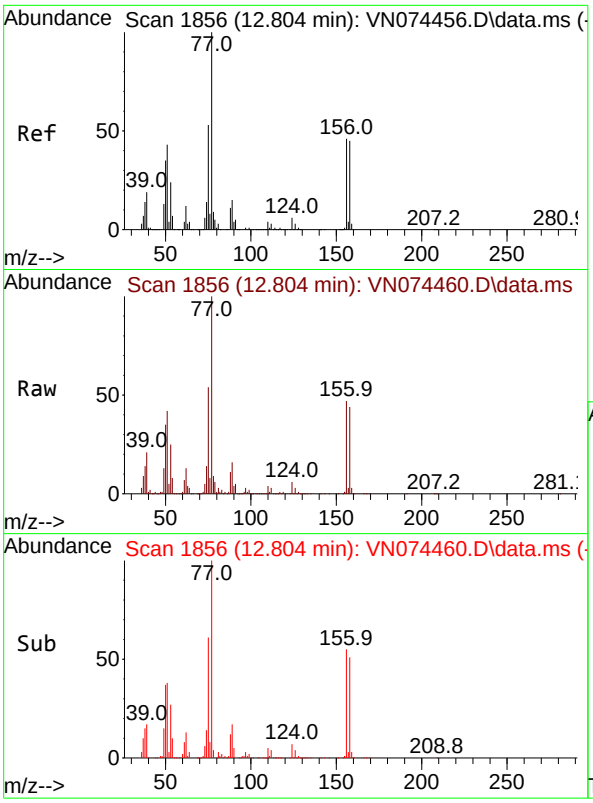


#76
1,2,3-Trichloropropane
Concen: 45.053 ug/l m
RT: 12.821 min Scan# 1859
Delta R.T. 0.000 min
Lab File: VN074460.D
Acq: 15 Sep 2022 14:14

Tgt Ion: 75 Resp: 448744

Ion	Ratio	Lower	Upper
75	100		
77	0.0	98.5	295.5#

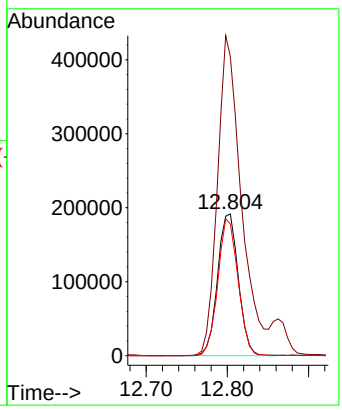




#77
Bromobenzene
Concen: 47.994 ug/l
RT: 12.804 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074460.D
Acq: 15 Sep 2022 14:14

Tgt Ion:156 Resp: 33969

Ion	Ratio	Lower	Upper
156	100		
77	260.1	100.5	301.5
158	94.4	48.9	146.6



Instrument :
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ClientSampleId :
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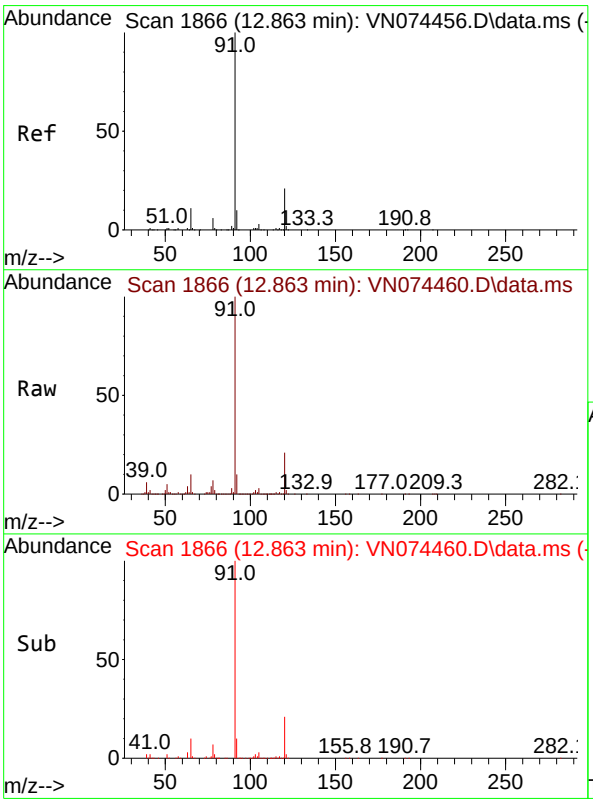
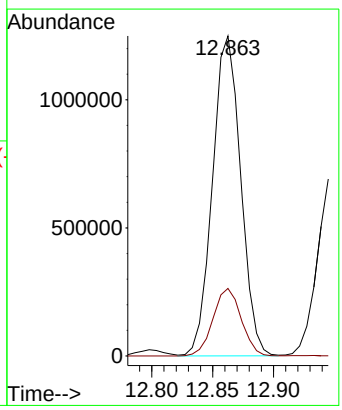
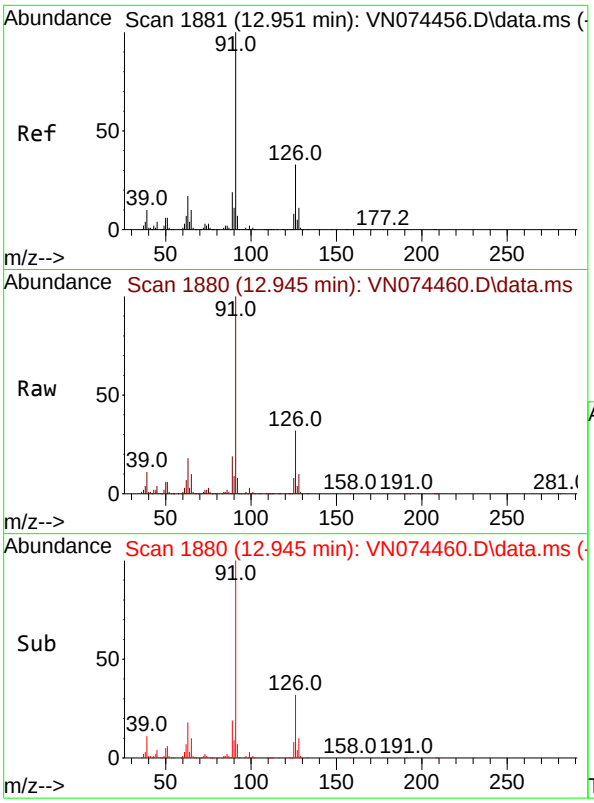


#78
n-propylbenzene
Concen: 51.037 ug/l
RT: 12.863 min Scan# 1866
Delta R.T. -0.000 min
Lab File: VN074460.D
Acq: 15 Sep 2022 14:14

Tgt Ion: 91 Resp: 2014054

Ion	Ratio	Lower	Upper
91	100		
120	21.1	11.9	35.5

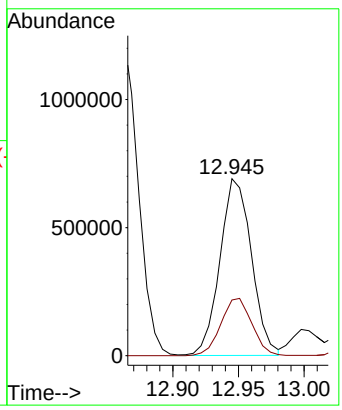




#79
2-Chlorotoluene
Concen: 49.164 ug/l
RT: 12.945 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN074460.D
Acq: 15 Sep 2022 14:14

Tgt Ion: 91 Resp: 115820

Ion	Ratio	Lower	Upper
91	100		
126	32.0	17.3	51.9



Instrument :
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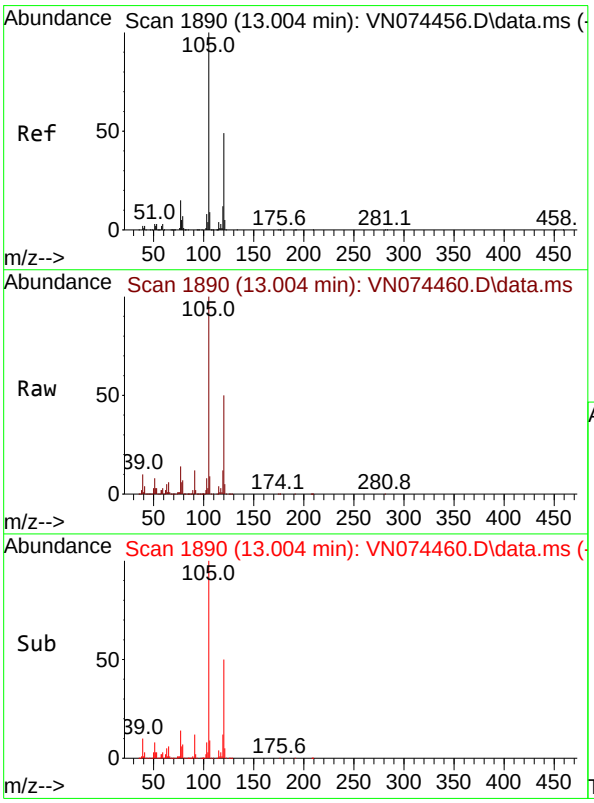
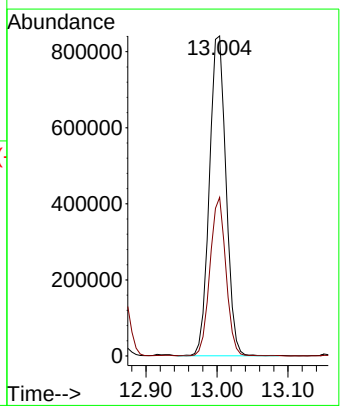
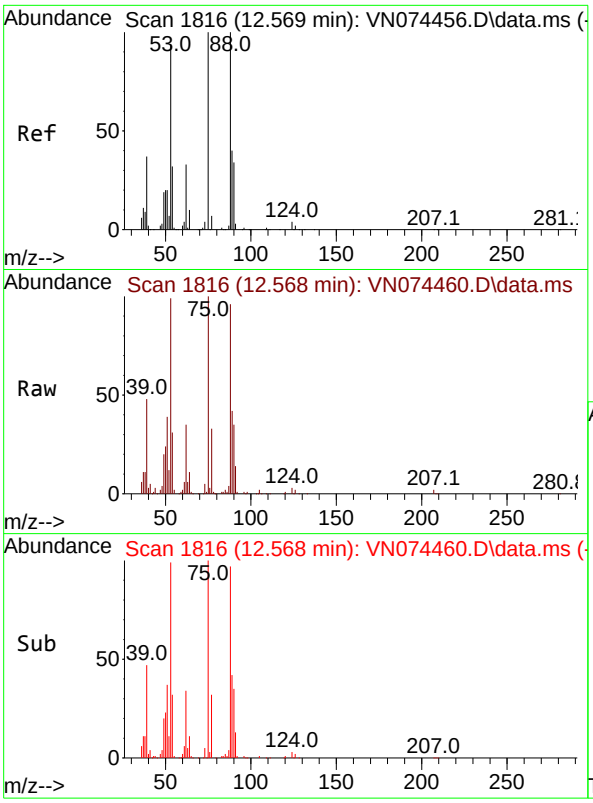


#80
1,3,5-Trimethylbenzene
Concen: 50.458 ug/l
RT: 13.004 min Scan# 1890
Delta R.T. -0.000 min
Lab File: VN074460.D
Acq: 15 Sep 2022 14:14

Tgt Ion:105 Resp: 1362861

Ion	Ratio	Lower	Upper
105	100		
120	47.6	24.9	74.7





#81
trans-1,4-Dichloro-2-butene
Concen: 48.471 ug/l
RT: 12.568 min Scan# 1
Delta R.T. -0.001 min
Lab File: VN074460.D
Acq: 15 Sep 2022 14:14

Tgt Ion: 75 Resp: 22369

Ion	Ratio	Lower	Upper
75	100		
53	97.9	78.0	117.0
89	42.9	37.2	55.8

Instrument :
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ClientSampleId :
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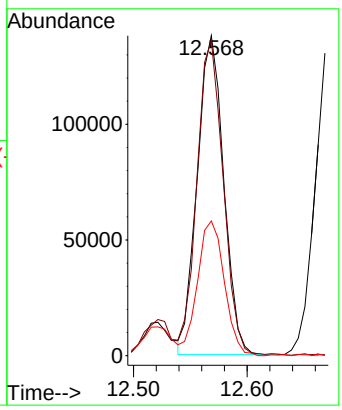
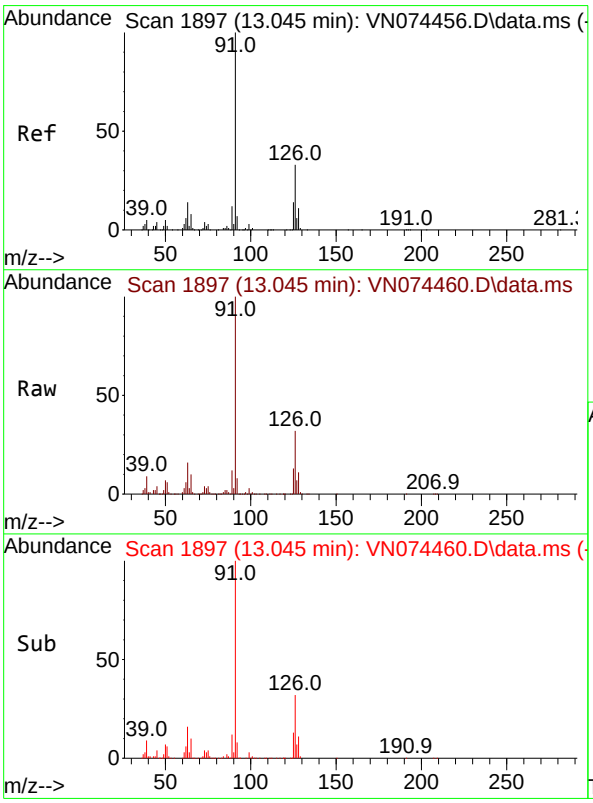
Supervised By :Mahesh Dadoda 09/16/2022

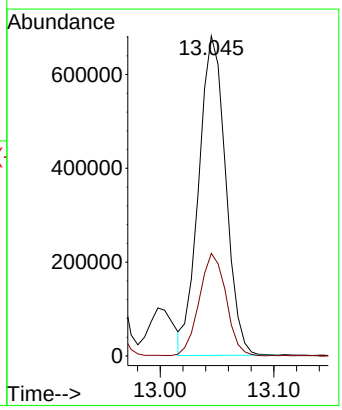


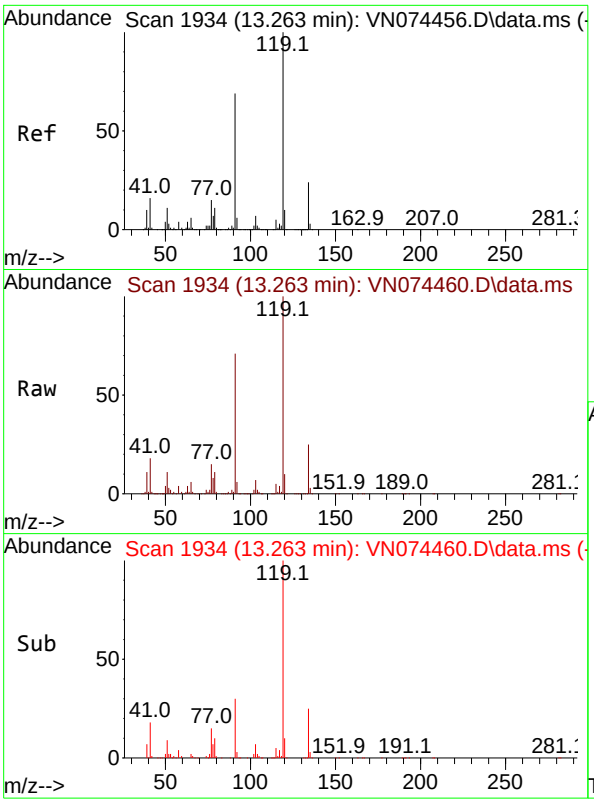


#82
4-Chlorotoluene
Concen: 50.146 ug/l
RT: 13.045 min Scan# 1897
Delta R.T. -0.000 min
Lab File: VN074460.D
Acq: 15 Sep 2022 14:14

Tgt Ion: 91 Resp: 1122857

Ion	Ratio	Lower	Upper
91	100		
126	31.8	17.2	51.6

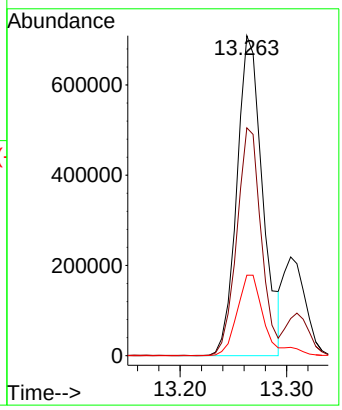




#83
tert-Butylbenzene
Concen: 48.488 ug/l
RT: 13.263 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074460.D
Acq: 15 Sep 2022 14:14

Tgt Ion:119 Resp: 119191

Ion	Ratio	Lower	Upper
119	100		
91	67.5	31.6	94.8
134	26.7	13.7	41.1



Instrument :
MSVOA_N
ClientSampleId :
ICVVN091522

Manual Integrations
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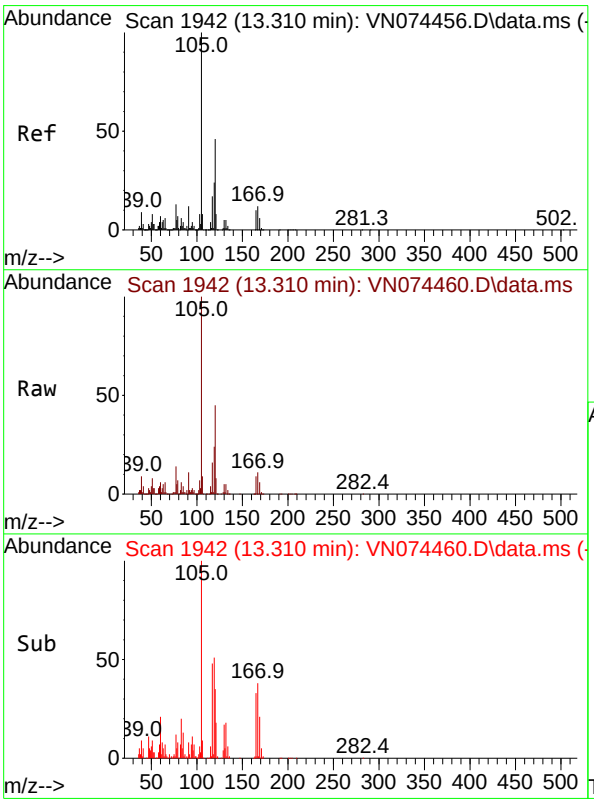
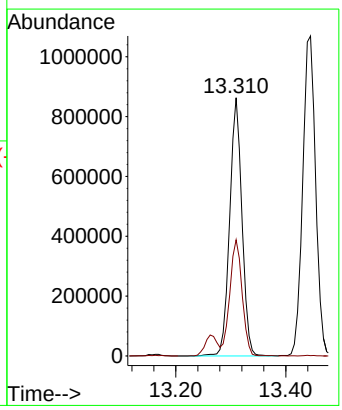
Reviewed By :John Carlone 09/16/2022
Supervised By :Mahesh Dadoda 09/16/2022

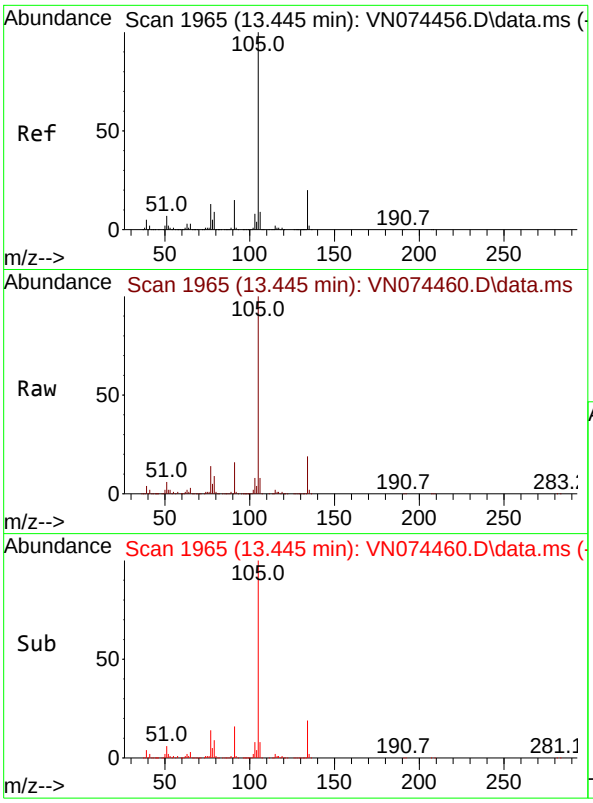


#84
1,2,4-Trimethylbenzene
Concen: 49.334 ug/l
RT: 13.310 min Scan# 1942
Delta R.T. -0.000 min
Lab File: VN074460.D
Acq: 15 Sep 2022 14:14

Tgt Ion:105 Resp: 1340956

Ion	Ratio	Lower	Upper
105	100		
120	45.0	23.3	69.8

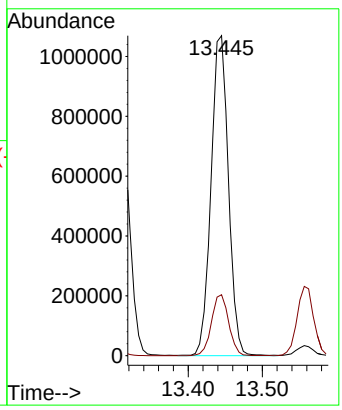




#85
sec-Butylbenzene
Concen: 51.637 ug/l
RT: 13.445 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074460.D
Acq: 15 Sep 2022 14:14

Tgt Ion:105 Resp: 174287

Ion	Ratio	Lower	Upper
105	100		
134	18.9	10.4	31.1



Instrument :
MSVOA_N
ClientSampleId :
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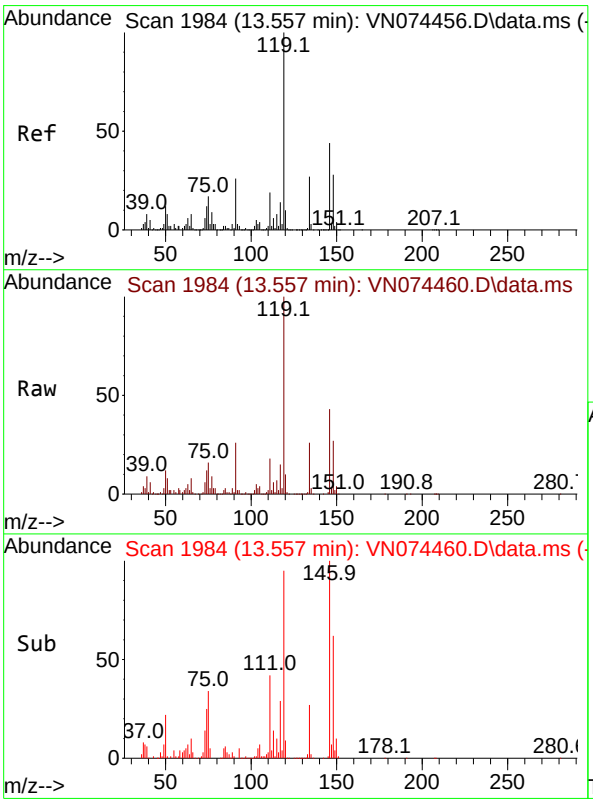
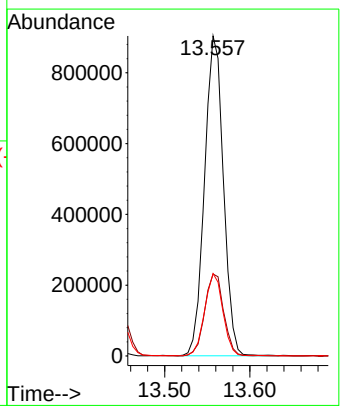
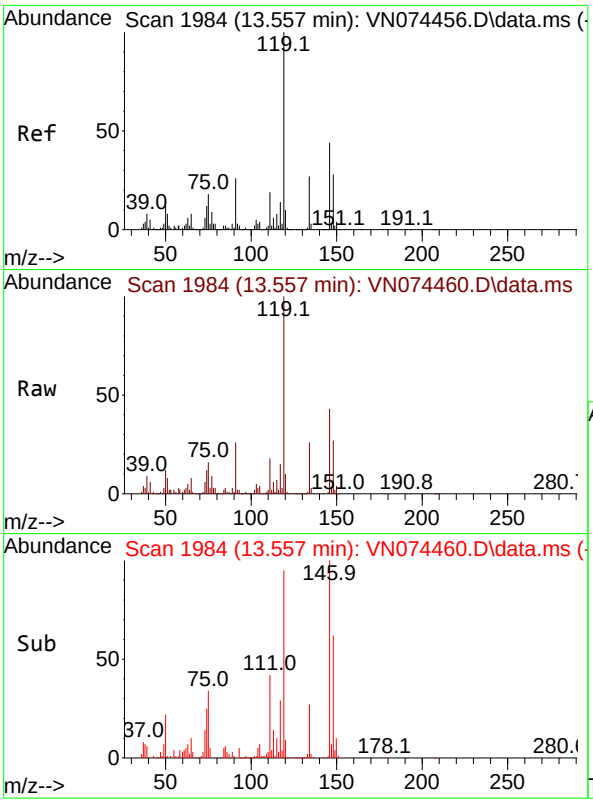


#86
p-Isopropyltoluene
Concen: 52.820 ug/l
RT: 13.557 min Scan# 1984
Delta R.T. -0.000 min
Lab File: VN074460.D
Acq: 15 Sep 2022 14:14

Tgt Ion:119 Resp: 1389870

Ion	Ratio	Lower	Upper
119	100		
134	26.0	13.3	39.8
91	25.0	11.3	33.9

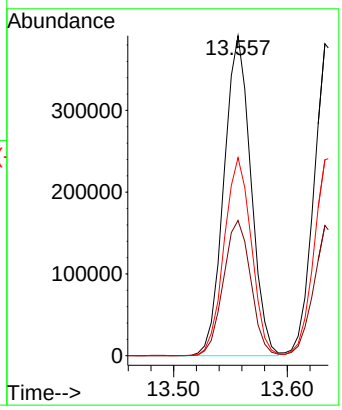




#87
1,3-Dichlorobenzene
Concen: 49.551 ug/l
RT: 13.557 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074460.D
Acq: 15 Sep 2022 14:14

Tgt Ion:146 Resp: 64447

Ion	Ratio	Lower	Upper
146	100		
111	42.9	20.0	60.0
148	62.6	32.0	96.0



Instrument :
MSVOA_N
ClientSampleId :
ICVVN091522

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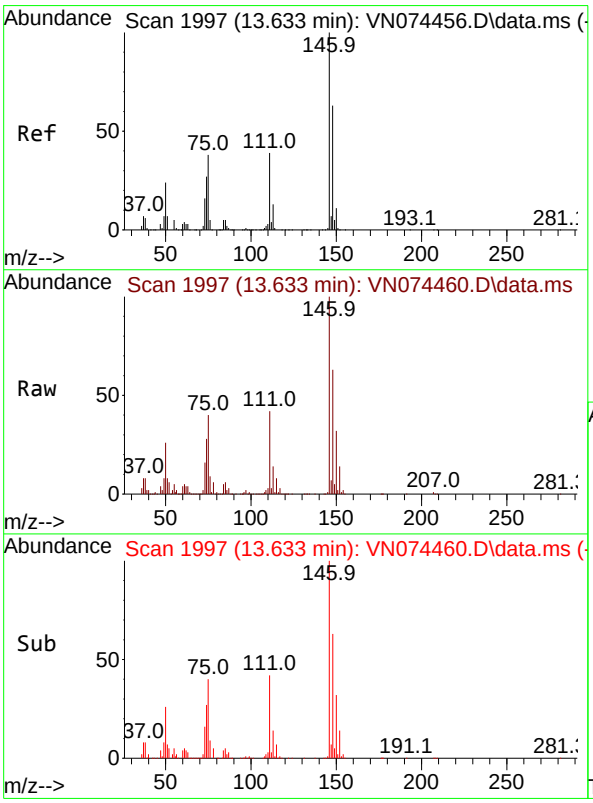
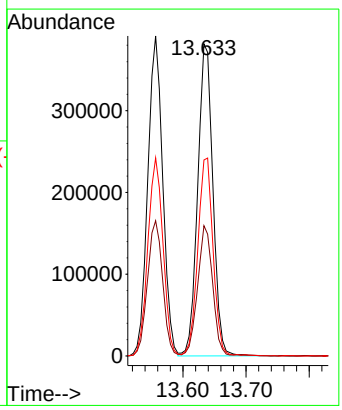
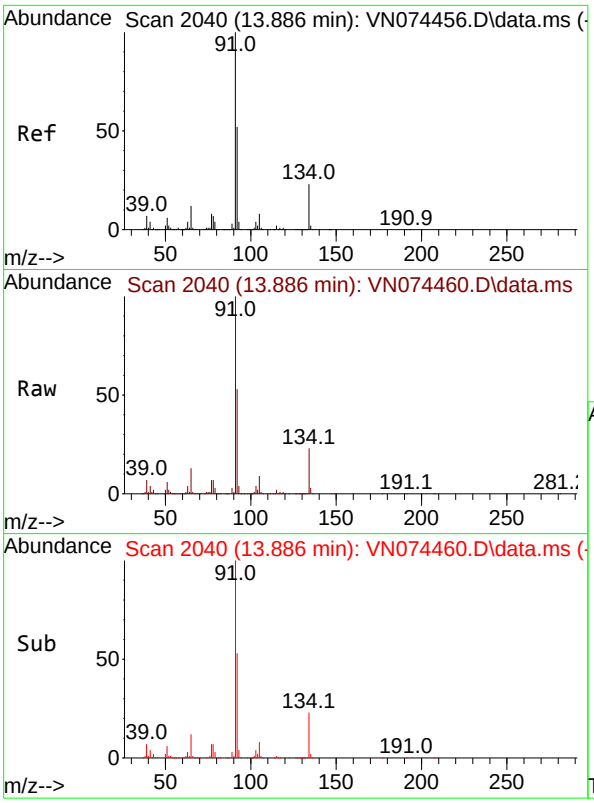


#88
1,4-Dichlorobenzene
Concen: 48.721 ug/l
RT: 13.633 min Scan# 1997
Delta R.T. 0.000 min
Lab File: VN074460.D
Acq: 15 Sep 2022 14:14

Tgt Ion:146 Resp: 636868

Ion	Ratio	Lower	Upper
146	100		
111	41.7	19.1	57.1
148	63.9	31.4	94.3

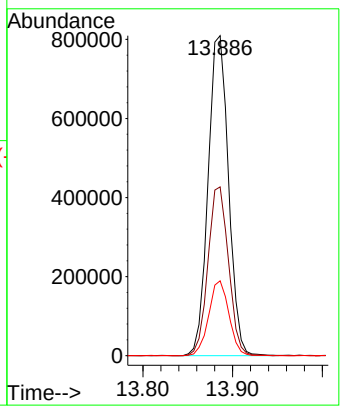




#89
n-Butylbenzene
Concen: 53.967 ug/l
RT: 13.886 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN074460.D
Acq: 15 Sep 2022 14:14

Tgt Ion: 91 Resp: 127994

Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.9	80.7
134	23.2	13.6	40.8



Instrument :
MSVOA_N
ClientSampleId :
ICVVN091522

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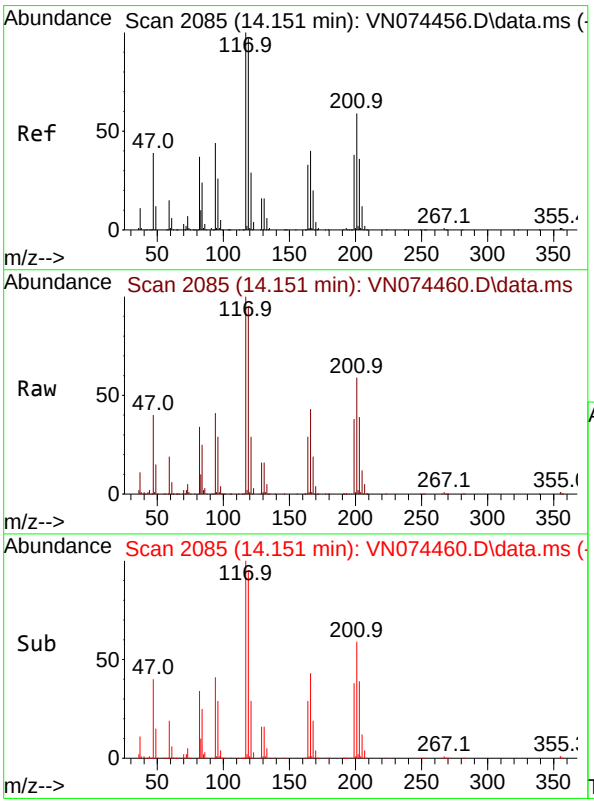
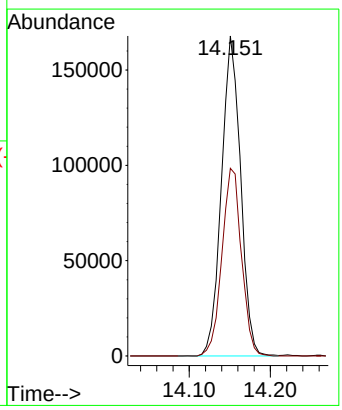
Supervised By :Mahesh Dadoda 09/16/2022

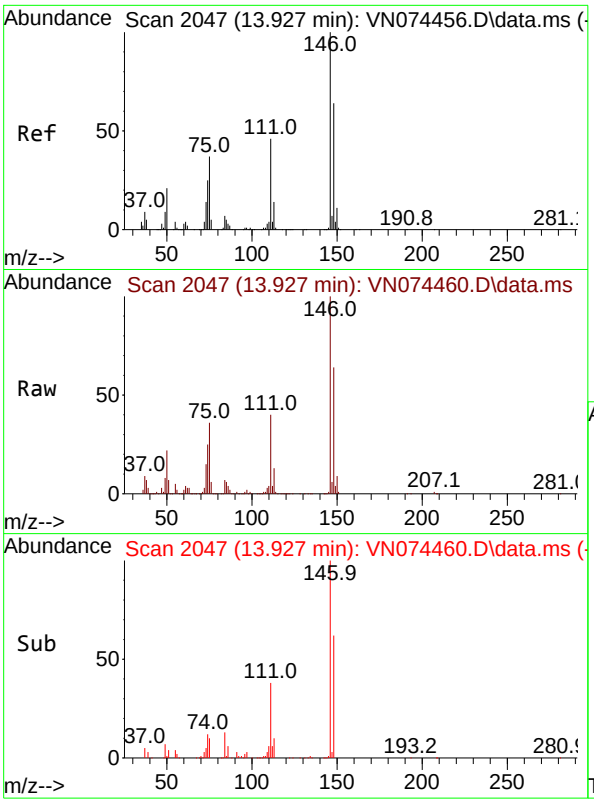


#90
Hexachloroethane
Concen: 48.038 ug/l
RT: 14.151 min Scan# 2085
Delta R.T. -0.000 min
Lab File: VN074460.D
Acq: 15 Sep 2022 14:14

Tgt Ion:117 Resp: 275032

Ion	Ratio	Lower	Upper
117	100		
201	59.9	40.6	122.0

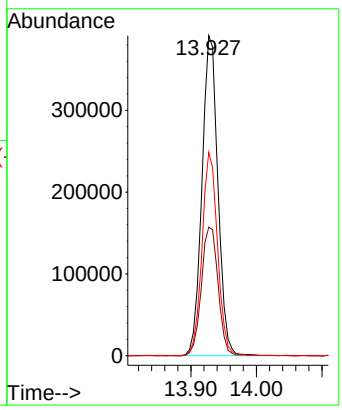




#91
1,2-Dichlorobenzene
Concen: 49.052 ug/l
RT: 13.927 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN074460.D
Acq: 15 Sep 2022 14:14

Tgt Ion:146 Resp: 66187

Ion	Ratio	Lower	Upper
146	100		
111	42.3	20.9	62.8
148	62.0	32.1	96.3



Instrument :
MSVOA_N
ClientSampleId :
ICVVN091522

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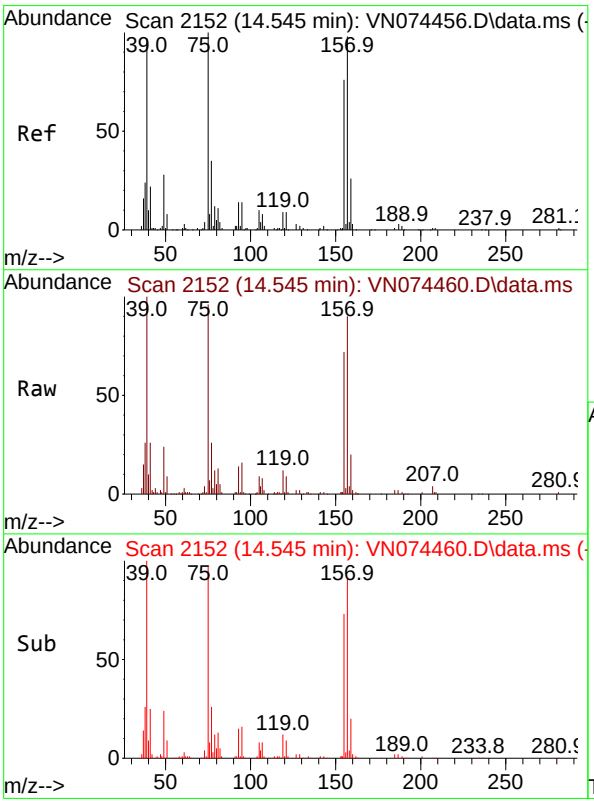
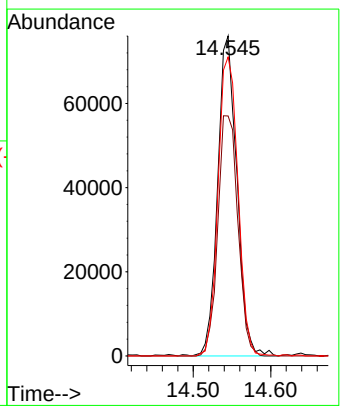
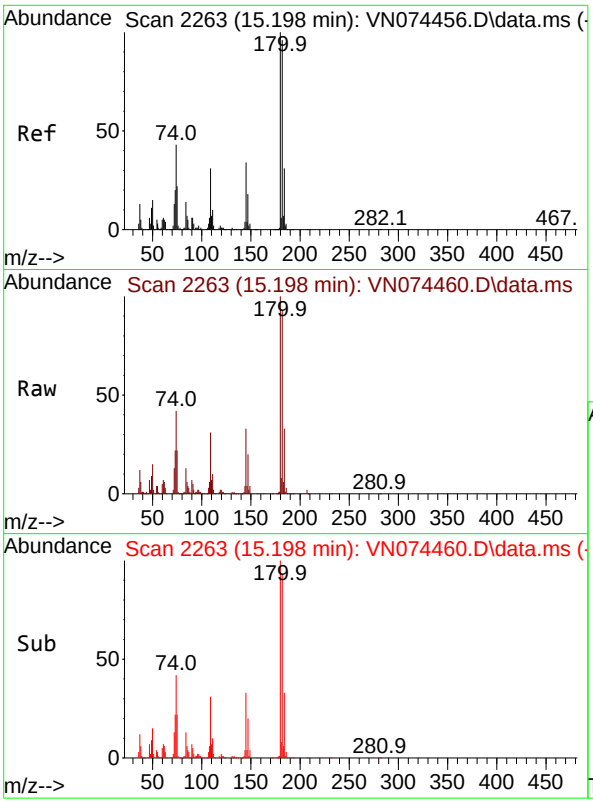


#92
1,2-Dibromo-3-Chloropropane
Concen: 44.698 ug/l
RT: 14.545 min Scan# 2152
Delta R.T. -0.000 min
Lab File: VN074460.D
Acq: 15 Sep 2022 14:14

Tgt Ion: 75 Resp: 131052

Ion	Ratio	Lower	Upper
75	100		
155	78.5	44.9	134.5
157	96.7	59.0	176.8

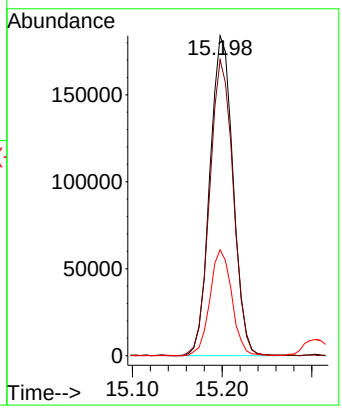




#93
1,2,4-Trichlorobenzene
Concen: 51.206 ug/l
RT: 15.198 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN074460.D
Acq: 15 Sep 2022 14:14

Tgt Ion:180 Resp: 32917

Ion	Ratio	Lower	Upper
180	100		
182	94.2	47.5	142.5
145	31.4	14.5	43.5



Instrument :
MSVOA_N
ClientSampleId :
ICVVN091522

Manual Integrations
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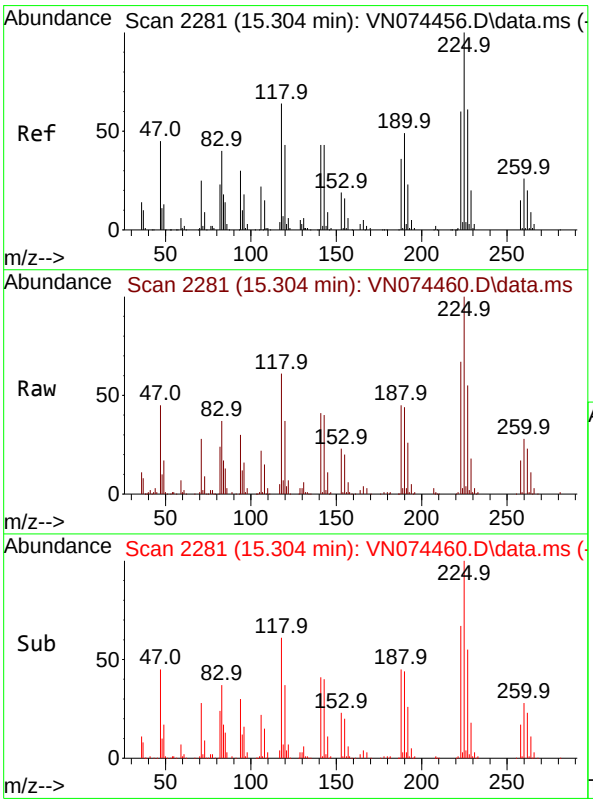
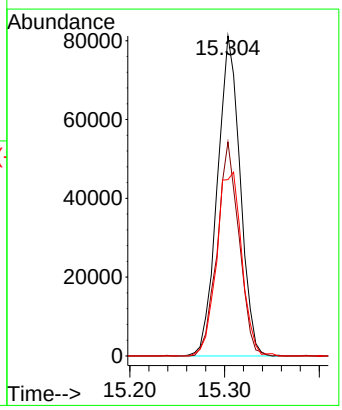
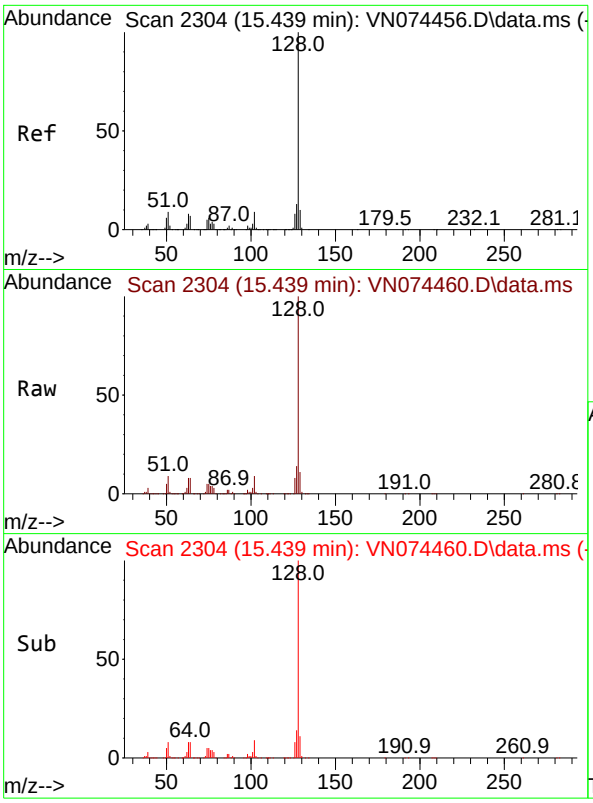


#94
Hexachlorobutadiene
Concen: 47.999 ug/l
RT: 15.304 min Scan# 2281
Delta R.T. -0.000 min
Lab File: VN074460.D
Acq: 15 Sep 2022 14:14

Tgt Ion:225 Resp: 135610

Ion	Ratio	Lower	Upper
225	100		
223	64.1	32.4	97.2
227	63.6	31.8	95.4

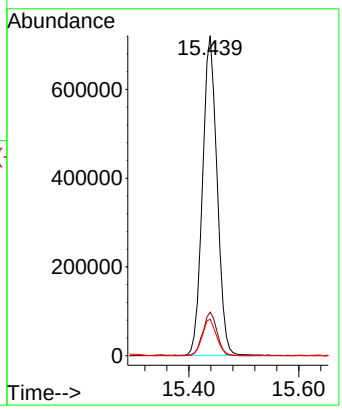




#95
Naphthalene
Concen: 47.818 ug/l
RT: 15.439 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN074460.D
Acq: 15 Sep 2022 14:14

Tgt Ion:128 Resp: 132247

Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.3	15.5
129	11.2	8.6	13.0



Instrument :
MSVOA_N
ClientSampleId :
ICVVN091522

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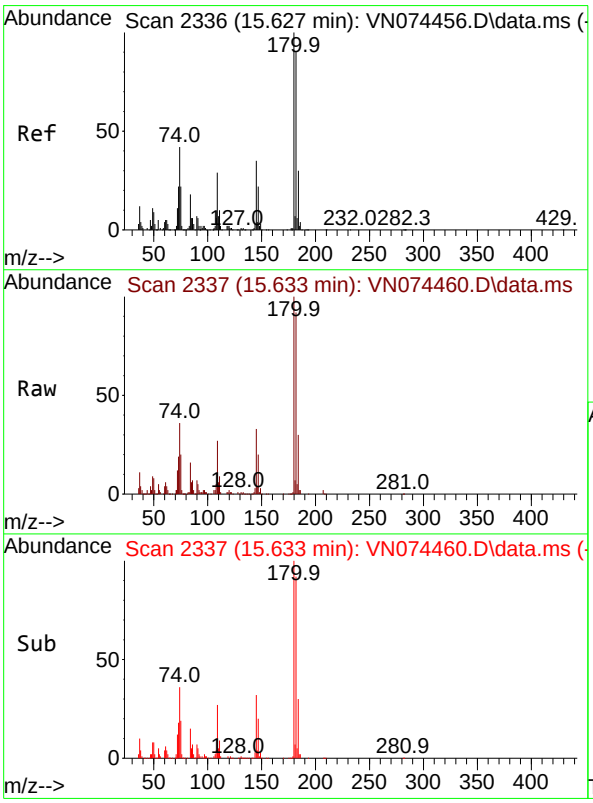
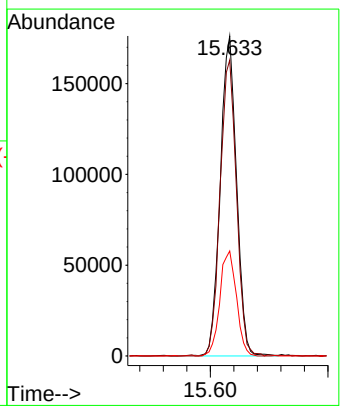


#96
1,2,3-Trichlorobenzene
Concen: 50.859 ug/l
RT: 15.633 min Scan# 2337
Delta R.T. 0.006 min
Lab File: VN074460.D
Acq: 15 Sep 2022 14:14

Tgt Ion:180 Resp: 338953

Ion	Ratio	Lower	Upper
180	100		
182	93.0	47.8	143.3
145	33.4	15.5	46.5



Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091522\
Data File : VN074460.D
Acq On : 15 Sep 2022 14:14
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN091522

Quant Time: Sep 15 19:22:03 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 15 19:20:33 2022
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	91	0.00
2	T	Dichlorodifluoromethane	0.544	0.498	8.5	97	0.00
3	P	Chloromethane	1.009	0.910	9.8	99	0.00
4	C	Vinyl Chloride	0.979	0.918	6.2#	99	0.00
5	T	Bromomethane	0.517	0.573	-10.8	109	0.00
6	T	Chloroethane	0.669	0.737	-10.2	116	0.00
7	T	Trichlorofluoromethane	1.082	1.013	6.4	97	0.00
8	T	Diethyl Ether	0.552	0.507	8.2	95	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.669	0.641	4.2	99	0.00
10	T	Methyl Iodide	0.789	0.805	-2.0	98	0.00
11	T	Tert butyl alcohol	0.276	0.237	14.1	92	0.00
12	CM	1,1-Dichloroethene	0.719	0.627	12.8#	96	0.00
13	T	Acrolein	0.101	0.085	15.8	80	0.00
14	T	Allyl chloride	1.572	1.503	4.4	97	0.00
15	T	Acrylonitrile	0.621	0.602	3.1	96	0.00
16	T	Acetone	0.543	0.485	10.7	94	0.00
17	T	Carbon Disulfide	1.806	1.711	5.3	98	0.00
18	T	Methyl Acetate	1.686	1.532	9.1	95	0.00
19	T	Methyl tert-butyl Ether	2.775	2.683	3.3	98	0.00
20	T	Methylene Chloride	0.930	0.804	13.5	98	0.00
21	T	trans-1,2-Dichloroethene	0.785	0.724	7.8	99	0.00
22	T	Diisopropyl ether	3.157	3.124	1.0	98	0.00
23	T	Vinyl Acetate	2.785	2.835	-1.8	98	0.00
24	P	1,1-Dichloroethane	1.578	1.532	2.9	99	0.00
25	T	2-Butanone	0.901	0.871	3.3	95	0.00
26	T	2,2-Dichloropropane	1.361	1.281	5.9	99	0.00
27	T	cis-1,2-Dichloroethene	0.926	0.865	6.6	96	0.00
28	T	Bromochloromethane	0.544	0.456	16.2	99	0.00
29	T	Tetrahydrofuran	0.593	0.577	2.7	94	0.00
30	C	Chloroform	1.457	1.465	-0.5#	99	0.00
31	T	Cyclohexane	1.506	1.419	5.8	98	0.00
32	T	1,1,1-Trichloroethane	1.278	1.225	4.1	98	0.00
33	S	1,2-Dichloroethane-d4	0.848	0.835	1.5	95	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	91	0.00
35	S	Dibromofluoromethane	0.332	0.334	-0.6	93	0.00
36	T	1,1-Dichloropropene	0.588	0.575	2.2	99	0.00
37	T	Ethyl Acetate	0.908	0.890	2.0	94	0.00
38	T	Carbon Tetrachloride	0.543	0.534	1.7	97	0.00
39	T	Methylcyclohexane	0.699	0.714	-2.1	98	0.00
40	TM	Benzene	1.818	1.831	-0.7	98	0.00
41	T	Methacrylonitrile	0.439	0.456	-3.9	104	0.00
42	TM	1,2-Dichloroethane	0.624	0.632	-1.3	98	0.00
43	T	Isopropyl Acetate	1.422	1.422	0.0	98	0.00
44	TM	Trichloroethene	0.393	0.380	3.3	99	0.00
45	C	1,2-Dichloropropane	0.500	0.499	0.2#	99	0.00
46	T	Dibromomethane	0.313	0.300	4.2	95	0.00
47	T	Bromodichloromethane	0.613	0.630	-2.8	100	0.00
48	T	Methyl methacrylate	0.631	0.640	-1.4	102	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091522\
Data File : VN074460.D
Acq On : 15 Sep 2022 14:14
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN091522

Quant Time: Sep 15 19:22:03 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 15 19:20:33 2022
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.012	0.012	0.0	94	0.00
50	S	Toluene-d8	1.285	1.307	-1.7	97	0.00
51	T	4-Methyl-2-Pentanone	0.929	0.939	-1.1	96	0.00
52	CM	Toluene	1.066	1.119	-5.0#	99	0.00
53	T	t-1,3-Dichloropropene	0.715	0.744	-4.1	99	0.00
54	T	cis-1,3-Dichloropropene	0.765	0.774	-1.2	98	0.00
55	T	1,1,2-Trichloroethane	0.452	0.451	0.2	99	0.00
56	T	Ethyl methacrylate	0.807	0.837	-3.7	99	0.00
57	T	1,3-Dichloropropane	0.792	0.811	-2.4	100	0.00
58	T	2-Chloroethyl Vinyl ether	0.355	0.362	-2.0	95	0.00
59	T	2-Hexanone	0.709	0.715	-0.8	95	0.00
60	T	Dibromochloromethane	0.432	0.454	-5.1	100	0.00
61	T	1,2-Dibromoethane	0.439	0.454	-3.4	98	0.00
62	S	4-Bromofluorobenzene	0.440	0.474	-7.7	97	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	91	0.00
64	T	Tetrachloroethene	0.343	0.337	1.7	100	0.00
65	PM	Chlorobenzene	1.255	1.252	0.2	99	0.00
66	T	1,1,1,2-Tetrachloroethane	0.456	0.452	0.9	98	0.00
67	C	Ethyl Benzene	2.305	2.408	-4.5#	101	0.00
68	T	m/p-Xylenes	0.852	0.901	-5.8	100	0.00
69	T	o-Xylene	0.869	0.901	-3.7	99	0.00
70	T	Styrene	1.445	1.493	-3.3	98	0.00
71	P	Bromoform	0.335	0.350	-4.5	97	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	91	0.00
73	T	Isopropylbenzene	5.120	5.053	1.3	100	0.00
74	T	N-amyl acetate	3.201	3.054	4.6	100	0.00
75	P	1,1,2,2-Tetrachloroethane	2.052	1.879	8.4	98	0.00
76	T	1,2,3-Trichloropropane	1.539	1.387	9.9	95	0.00
77	T	Bromobenzene	1.094	1.050	4.0	99	0.00
78	T	n-propylbenzene	6.098	6.224	-2.1	100	0.00
79	T	2-Chlorotoluene	3.640	3.579	1.7	100	0.00
80	T	1,3,5-Trimethylbenzene	4.173	4.212	-0.9	100	0.00
81	T	trans-1,4-Dichloro-2-butene	0.713	0.691	3.1	96	0.00
82	T	4-Chlorotoluene	3.460	3.470	-0.3	100	0.00
83	T	tert-Butylbenzene	3.798	3.683	3.0	98	0.00
84	T	1,2,4-Trimethylbenzene	4.200	4.144	1.3	99	0.00
85	T	sec-Butylbenzene	5.215	5.386	-3.3	100	0.00
86	T	p-Isopropyltoluene	4.066	4.295	-5.6	101	0.00
87	T	1,3-Dichlorobenzene	2.010	1.992	0.9	99	0.00
88	T	1,4-Dichlorobenzene	2.020	1.968	2.6	101	0.00
89	T	n-Butylbenzene	3.665	3.955	-7.9	102	0.00
90	T	Hexachloroethane	0.885	0.850	4.0	97	0.00
91	T	1,2-Dichlorobenzene	2.085	2.045	1.9	102	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.453	0.405	10.6	92	0.00
93	T	1,2,4-Trichlorobenzene	0.993	1.017	-2.4	102	0.00
94	T	Hexachlorobutadiene	0.437	0.419	4.1	101	0.00
95	T	Naphthalene	4.204	4.087	2.8	97	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091522\
Data File : VN074460.D
Acq On : 15 Sep 2022 14:14
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN091522

Quant Time: Sep 15 19:22:03 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 15 19:20:33 2022
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	1.032	1.047	-1.5	102	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091522\
Data File : VN074460.D
Acq On : 15 Sep 2022 14:14
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN091522

Quant Time: Sep 15 19:22:03 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 15 19:20:33 2022
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	91	0.00
2	T	Dichlorodifluoromethane	50.000	45.790	8.4	97	0.00
3	P	Chloromethane	50.000	49.717	0.6	99	0.00
4	C	Vinyl Chloride	50.000	46.881	6.2#	99	0.00
5	T	Bromomethane	50.000	55.447	-10.9	109	0.00
6	T	Chloroethane	50.000	55.108	-10.2	116	0.00
7	T	Trichlorofluoromethane	50.000	46.837	6.3	97	0.00
8	T	Diethyl Ether	50.000	45.968	8.1	95	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	47.901	4.2	99	0.00
10	T	Methyl Iodide	50.000	50.973	-1.9	98	0.00
11	T	Tert butyl alcohol	250.000	214.778	14.1	92	0.00
12	CM	1,1-Dichloroethene	50.000	47.621	4.8#	96	0.00
13	T	Acrolein	250.000	211.272	15.5	80	0.00
14	T	Allyl chloride	50.000	47.778	4.4	97	0.00
15	T	Acrylonitrile	250.000	242.526	3.0	96	0.00
16	T	Acetone	250.000	223.195	10.7	94	0.00
17	T	Carbon Disulfide	50.000	47.372	5.3	98	0.00
18	T	Methyl Acetate	50.000	45.426	9.1	95	0.00
19	T	Methyl tert-butyl Ether	50.000	48.332	3.3	98	0.00
20	T	Methylene Chloride	50.000	48.492	3.0	98	0.00
21	T	trans-1,2-Dichloroethene	50.000	50.028	-0.1	99	0.00
22	T	Diisopropyl ether	50.000	49.474	1.1	98	0.00
23	T	Vinyl Acetate	250.000	254.537	-1.8	98	0.00
24	P	1,1-Dichloroethane	50.000	48.520	3.0	99	0.00
25	T	2-Butanone	250.000	241.593	3.4	95	0.00
26	T	2,2-Dichloropropane	50.000	47.053	5.9	99	0.00
27	T	cis-1,2-Dichloroethene	50.000	46.732	6.5	96	0.00
28	T	Bromochloromethane	50.000	49.066	1.9	99	0.00
29	T	Tetrahydrofuran	250.000	243.308	2.7	94	0.00
30	C	Chloroform	50.000	50.291	-0.6#	99	0.00
31	T	Cyclohexane	50.000	47.102	5.8	98	0.00
32	T	1,1,1-Trichloroethane	50.000	47.944	4.1	98	0.00
33	S	1,2-Dichloroethane-d4	50.000	49.217	1.6	95	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	91	0.00
35	S	Dibromofluoromethane	50.000	50.222	-0.4	93	0.00
36	T	1,1-Dichloropropene	50.000	48.945	2.1	99	0.00
37	T	Ethyl Acetate	50.000	48.992	2.0	94	0.00
38	T	Carbon Tetrachloride	50.000	49.174	1.7	97	0.00
39	T	Methylcyclohexane	50.000	51.102	-2.2	98	0.00
40	TM	Benzene	50.000	50.370	-0.7	98	0.00
41	T	Methacrylonitrile	50.000	51.986	-4.0	104	0.00
42	TM	1,2-Dichloroethane	50.000	50.631	-1.3	98	0.00
43	T	Isopropyl Acetate	50.000	50.008	-0.0	98	0.00
44	TM	Trichloroethene	50.000	48.248	3.5	99	0.00
45	C	1,2-Dichloropropane	50.000	49.896	0.2#	99	0.00
46	T	Dibromomethane	50.000	47.983	4.0	95	0.00
47	T	Bromodichloromethane	50.000	51.318	-2.6	100	0.00
48	T	Methyl methacrylate	50.000	50.744	-1.5	102	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091522\
Data File : VN074460.D
Acq On : 15 Sep 2022 14:14
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN091522

Quant Time: Sep 15 19:22:03 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 15 19:20:33 2022
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	958.698	4.1	94	0.00
50	S	Toluene-d8	50.000	50.868	-1.7	97	0.00
51	T	4-Methyl-2-Pentanone	250.000	252.669	-1.1	96	0.00
52	CM	Toluene	50.000	52.491	-5.0#	99	0.00
53	T	t-1,3-Dichloropropene	50.000	52.046	-4.1	99	0.00
54	T	cis-1,3-Dichloropropene	50.000	50.553	-1.1	98	0.00
55	T	1,1,2-Trichloroethane	50.000	49.900	0.2	99	0.00
56	T	Ethyl methacrylate	50.000	51.882	-3.8	99	0.00
57	T	1,3-Dichloropropane	50.000	51.211	-2.4	100	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	255.029	-2.0	95	0.00
59	T	2-Hexanone	250.000	252.157	-0.9	95	0.00
60	T	Dibromochloromethane	50.000	52.533	-5.1	100	0.00
61	T	1,2-Dibromoethane	50.000	51.775	-3.5	98	0.00
62	S	4-Bromofluorobenzene	50.000	53.905	-7.8	97	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	91	0.00
64	T	Tetrachloroethene	50.000	49.102	1.8	100	0.00
65	PM	Chlorobenzene	50.000	49.858	0.3	99	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	49.563	0.9	98	0.00
67	C	Ethyl Benzene	50.000	52.253	-4.5#	101	0.00
68	T	m/p-Xylenes	100.000	105.728	-5.7	100	0.00
69	T	o-Xylene	50.000	51.840	-3.7	99	0.00
70	T	Styrene	50.000	51.657	-3.3	98	0.00
71	P	Bromoform	50.000	52.241	-4.5	97	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	91	0.00
73	T	Isopropylbenzene	50.000	49.352	1.3	100	0.00
74	T	N-amyl acetate	50.000	47.698	4.6	100	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	45.799	8.4	98	0.00
76	T	1,2,3-Trichloropropane	50.000	45.053	9.9	95	0.00
77	T	Bromobenzene	50.000	47.994	4.0	99	0.00
78	T	n-propylbenzene	50.000	51.037	-2.1	100	0.00
79	T	2-Chlorotoluene	50.000	49.164	1.7	100	0.00
80	T	1,3,5-Trimethylbenzene	50.000	50.458	-0.9	100	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	48.471	3.1	96	0.00
82	T	4-Chlorotoluene	50.000	50.146	-0.3	100	0.00
83	T	tert-Butylbenzene	50.000	48.488	3.0	98	0.00
84	T	1,2,4-Trimethylbenzene	50.000	49.334	1.3	99	0.00
85	T	sec-Butylbenzene	50.000	51.637	-3.3	100	0.00
86	T	p-Isopropyltoluene	50.000	52.820	-5.6	101	0.00
87	T	1,3-Dichlorobenzene	50.000	49.551	0.9	99	0.00
88	T	1,4-Dichlorobenzene	50.000	48.721	2.6	101	0.00
89	T	n-Butylbenzene	50.000	53.967	-7.9	102	0.00
90	T	Hexachloroethane	50.000	48.038	3.9	97	0.00
91	T	1,2-Dichlorobenzene	50.000	49.052	1.9	102	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	44.698	10.6	92	0.00
93	T	1,2,4-Trichlorobenzene	50.000	51.206	-2.4	102	0.00
94	T	Hexachlorobutadiene	50.000	47.999	4.0	101	0.00
95	T	Naphthalene	50.000	47.818	4.4	97	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091522\
Data File : VN074460.D
Acq On : 15 Sep 2022 14:14
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN091522

Quant Time: Sep 15 19:22:03 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 15 19:20:33 2022
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	50.859	-1.7	102	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: DAYE01

Lab Code: CHEM Case No.: N4647 SAS No.: N4647 SDG No.: N4647

Instrument ID: MSVOA_N Calibration Date/Time: 09/17/2022 12:40

Lab File ID: VN074550.D Init. Calib. Date(s): 09/15/2022 09/15/2022

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:36 13:26

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.544	0.467		-14.15	20
Chloromethane	1.009	0.984	0.1	-2.48	20
Vinyl Chloride	0.979	1.170		19.51	20
Bromomethane	0.517	0.861		66.54	20
Chloroethane	0.669	0.904		35.13	20
Trichlorofluoromethane	1.082	1.043		-3.6	20
1,1,2-Trichlorotrifluoroethane	0.669	0.685		2.39	20
1,1-Dichloroethene	0.719	0.634		-11.82	20
Acetone	0.543	0.529		-2.58	20
Carbon Disulfide	1.806	1.616		-10.52	20
Methyl tert-butyl Ether	2.775	2.764		-0.4	20
Methyl Acetate	1.686	1.688		0.12	20
Methylene Chloride	0.930	0.831		-10.65	20
trans-1,2-Dichloroethene	0.785	0.708		-9.81	20
1,1-Dichloroethane	1.578	1.603	0.1	1.58	20
Cyclohexane	1.506	1.431		-4.98	20
2-Butanone	0.901	0.969		7.55	20
Carbon Tetrachloride	0.543	0.583		7.37	20
cis-1,2-Dichloroethene	0.926	0.918		-0.86	20
Bromochloromethane	0.544	0.477		-12.32	20
Chloroform	1.457	1.557		6.86	20
1,1,1-Trichloroethane	1.278	1.258		-1.57	20
Methylcyclohexane	0.699	0.752		7.58	20
Benzene	1.818	2.010		10.56	20
1,2-Dichloroethane	0.624	0.703		12.66	20
Trichloroethene	0.393	0.407		3.56	20
1,2-Dichloropropane	0.500	0.559		11.8	20
Bromodichloromethane	0.613	0.710		15.82	20
4-Methyl-2-Pentanone	0.929	1.134		22.07	20
Toluene	1.066	1.244		16.7	20
t-1,3-Dichloropropene	0.715	0.782		9.37	20
cis-1,3-Dichloropropene	0.765	0.846		10.59	20
1,1,2-Trichloroethane	0.452	0.496		9.73	20
2-Hexanone	0.709	0.875		23.41	20
Dibromochloromethane	0.432	0.500		15.74	20
1,2-Dibromoethane	0.439	0.503		14.58	20
Tetrachloroethene	0.343	0.352		2.62	20
Chlorobenzene	1.255	1.303	0.3	3.83	20
Ethyl Benzene	2.305	2.545		10.41	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: DAYE01

Lab Code: CHEM Case No.: N4647 SAS No.: N4647 SDG No.: N4647

Instrument ID: MSVOA_N Calibration Date/Time: 09/17/2022 12:40

Lab File ID: VN074550.D Init. Calib. Date(s): 09/15/2022 09/15/2022

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:36 13:26

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
m/p-Xylenes	0.852	0.954		11.97	20
o-Xylene	0.869	0.970		11.62	20
Styrene	1.445	1.593		10.24	20
Bromoform	0.335	0.365	0.1	8.95	20
Isopropylbenzene	5.120	5.221		1.97	20
1,1,2,2-Tetrachloroethane	2.052	1.996	0.3	-2.73	20
1,3-Dichlorobenzene	2.010	2.123		5.62	20
1,4-Dichlorobenzene	2.020	2.026		0.3	20
1,2-Dichlorobenzene	2.085	2.094		0.43	20
1,2-Dibromo-3-Chloropropane	0.453	0.403		-11.04	20
1,2,4-Trichlorobenzene	0.993	1.040		4.73	20
1,2,3-Trichlorobenzene	1.032	1.039		0.68	20
1,2-Dichloroethane-d4	0.848	0.819		-3.42	20
Dibromofluoromethane	0.332	0.348		4.82	20
Toluene-d8	1.285	1.373		6.85	20
4-Bromofluorobenzene	0.440	0.483		9.77	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091722\
Data File : VN074550.D
Acq On : 17 Sep 2022 12:40
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 19 02:53:28 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 15 19:20:33 2022
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 09/19/2022
Supervised By :Mahesh Dadoda 09/19/2022

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.010	168	219691	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	393611	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	371155	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	175070	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.363	65	179960	48.278	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 96.560%			
35) Dibromofluoromethane	7.945	113	136832	52.332	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.660%			
50) Toluene-d8	10.380	98	540428	53.444	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.880%			
62) 4-Bromofluorobenzene	12.674	95	190117	54.895	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 109.780%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.046	85	102593	42.908	ug/l	98
3) Chloromethane	2.263	50	216233	53.748	ug/l	96
4) Vinyl Chloride	2.405	62	256981	59.711	ug/l	96
5) Bromomethane	2.781	94	189166	83.346	ug/l	95
6) Chloroethane	2.952	64	198527	67.532	ug/l	97
7) Trichlorofluoromethane	3.310	101	229161	48.217	ug/l	94
8) Diethyl Ether	3.757	74	113751	46.934	ug/l	78
9) 1,1,2-Trichlorotrifluo...	4.128	101	150586	51.214	ug/l	90
10) Methyl Iodide	4.346	142	166608	48.033	ug/l	94
11) Tert butyl alcohol	5.275	59	251541	207.153	ug/l	99
12) 1,1-Dichloroethene	4.110	96	139355	48.143	ug/l	84
13) Acrolein	3.975	56	106017	239.079	ug/l	97
14) Allyl chloride	4.757	41	349824	50.633	ug/l #	93
15) Acrylonitrile	5.463	53	715434	262.255	ug/l	100
16) Acetone	4.210	43	580959	243.560	ug/l	93
17) Carbon Disulfide	4.451	76	354963	44.739	ug/l	98
18) Methyl Acetate	4.763	43	370931	50.068	ug/l #	88
19) Methyl tert-butyl Ether	5.528	73	607191	49.792	ug/l	95
20) Methylene Chloride	5.004	84	182459	50.104	ug/l #	76
21) trans-1,2-Dichloroethene	5.504	96	155491	48.935	ug/l	94
22) Diisopropyl ether	6.404	45	747482	53.879	ug/l #	95
23) Vinyl Acetate	6.345	43	3397375	277.645	ug/l #	90
24) 1,1-Dichloroethane	6.298	63	352123	50.776	ug/l	96
25) 2-Butanone	7.251	43	1064574	268.811	ug/l #	87
26) 2,2-Dichloropropane	7.239	77	274757	45.955	ug/l	97
27) cis-1,2-Dichloroethene	7.245	96	201609	49.561	ug/l	93
28) Bromochloromethane	7.581	49	104818	51.327	ug/l #	66
29) Tetrahydrofuran	7.604	42	703820	270.300	ug/l #	83
30) Chloroform	7.739	83	342080	53.444	ug/l	92
31) Cyclohexane	8.022	56	314482	47.531	ug/l	89
32) 1,1,1-Trichloroethane	7.939	97	276471	49.249	ug/l	95
36) 1,1-Dichloropropene	8.145	75	246754	53.317	ug/l	97
37) Ethyl Acetate	7.334	43	408379	57.137	ug/l #	93
38) Carbon Tetrachloride	8.128	117	229411	53.688	ug/l	94
39) Methylcyclohexane	9.392	83	296022	53.791	ug/l	96
40) Benzene	8.386	78	791191	55.284	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091722\
Data File : VN074550.D
Acq On : 17 Sep 2022 12:40
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 19 02:53:28 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 15 19:20:33 2022
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 09/19/2022
Supervised By :Mahesh Dadoda 09/19/2022

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.557	41	181653	52.570	ug/l		93
42) 1,2-Dichloroethane	8.463	62	276838	56.369	ug/l		97
43) Isopropyl Acetate	8.492	43	647751	57.858	ug/l	#	90
44) Trichloroethene	9.145	130	160308	51.766	ug/l		85
45) 1,2-Dichloropropane	9.428	63	220083	55.956	ug/l		99
46) Dibromomethane	9.516	93	136278	55.323	ug/l	#	82
47) Bromodichloromethane	9.698	83	279409	57.855	ug/l	#	98
48) Methyl methacrylate	9.492	41	278928	56.188	ug/l		84
49) 1,4-Dioxane	9.504	88	100758	1055.723	ug/l	#	94
51) 4-Methyl-2-Pentanone	10.269	43	2231307	305.203	ug/l		87
52) Toluene	10.445	92	489844	58.369	ug/l		100
53) t-1,3-Dichloropropene	10.663	75	307733	54.673	ug/l		92
54) cis-1,3-Dichloropropene	10.128	75	333055	55.293	ug/l	#	85
55) 1,1,2-Trichloroethane	10.839	97	195136	54.894	ug/l		96
56) Ethyl methacrylate	10.704	69	353446	55.663	ug/l	#	75
57) 1,3-Dichloropropane	10.980	76	352120	56.497	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.980	63	771981	276.250	ug/l	#	87
59) 2-Hexanone	11.028	43	1721771	308.503	ug/l		85
60) Dibromochloromethane	11.175	129	196749	57.816	ug/l		98
61) 1,2-Dibromoethane	11.286	107	198020	57.342	ug/l		99
64) Tetrachloroethene	10.916	164	130720	51.320	ug/l		94
65) Chlorobenzene	11.710	112	483579	51.899	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.780	131	179054	52.890	ug/l		99
67) Ethyl Benzene	11.786	91	944434	55.207	ug/l		97
68) m/p-Xylenes	11.892	106	708168	111.963	ug/l		95
69) o-Xylene	12.222	106	359917	55.810	ug/l		98
70) Styrene	12.233	104	591296	55.120	ug/l		96
71) Bromoform	12.398	173	135419	54.425	ug/l	#	100
73) Isopropylbenzene	12.522	105	913973	50.986	ug/l		99
74) N-amyl acetate	12.333	43	587727	52.438	ug/l	#	85
75) 1,1,2,2-Tetrachloroethane	12.769	83	349390	48.637	ug/l		98
76) 1,2,3-Trichloropropane	12.822	75	255548m	47.422	ug/l		
77) Bromobenzene	12.804	156	193281	50.475	ug/l		76
78) n-propylbenzene	12.863	91	1126965	52.785	ug/l		95
79) 2-Chlorotoluene	12.945	91	639828	50.202	ug/l		96
80) 1,3,5-Trimethylbenzene	13.004	105	763027	52.217	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.569	75	118635	47.516	ug/l		94
82) 4-Chlorotoluene	13.045	91	625021	51.593	ug/l		99
83) tert-Butylbenzene	13.263	119	688361	51.760	ug/l		98
84) 1,2,4-Trimethylbenzene	13.310	105	767743	52.208	ug/l		97
85) sec-Butylbenzene	13.445	105	1002138	54.880	ug/l		95
86) p-Isopropyltoluene	13.557	119	788895	55.416	ug/l		97
87) 1,3-Dichlorobenzene	13.557	146	371620	52.812	ug/l		98
88) 1,4-Dichlorobenzene	13.633	146	354655	50.148	ug/l		96
89) n-Butylbenzene	13.886	91	713324	55.592	ug/l		96
90) Hexachloroethane	14.151	117	150263	48.512	ug/l		75
91) 1,2-Dichlorobenzene	13.927	146	366672	50.228	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.545	75	70573	44.491	ug/l		86
93) 1,2,4-Trichlorobenzene	15.198	180	182093	52.357	ug/l		98
94) Hexachlorobutadiene	15.304	225	76288	49.910	ug/l		96
95) Naphthalene	15.439	128	732436	48.913	ug/l		99
96) 1,2,3-Trichlorobenzene	15.627	180	181962	50.476	ug/l		96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091722\
Data File : VN074550.D
Acq On : 17 Sep 2022 12:40
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 19 02:53:28 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 15 19:20:33 2022
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 09/19/2022
Supervised By :Mahesh Dadoda 09/19/2022

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091722\
Data File : VN074550.D
Acq On : 17 Sep 2022 12:40
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
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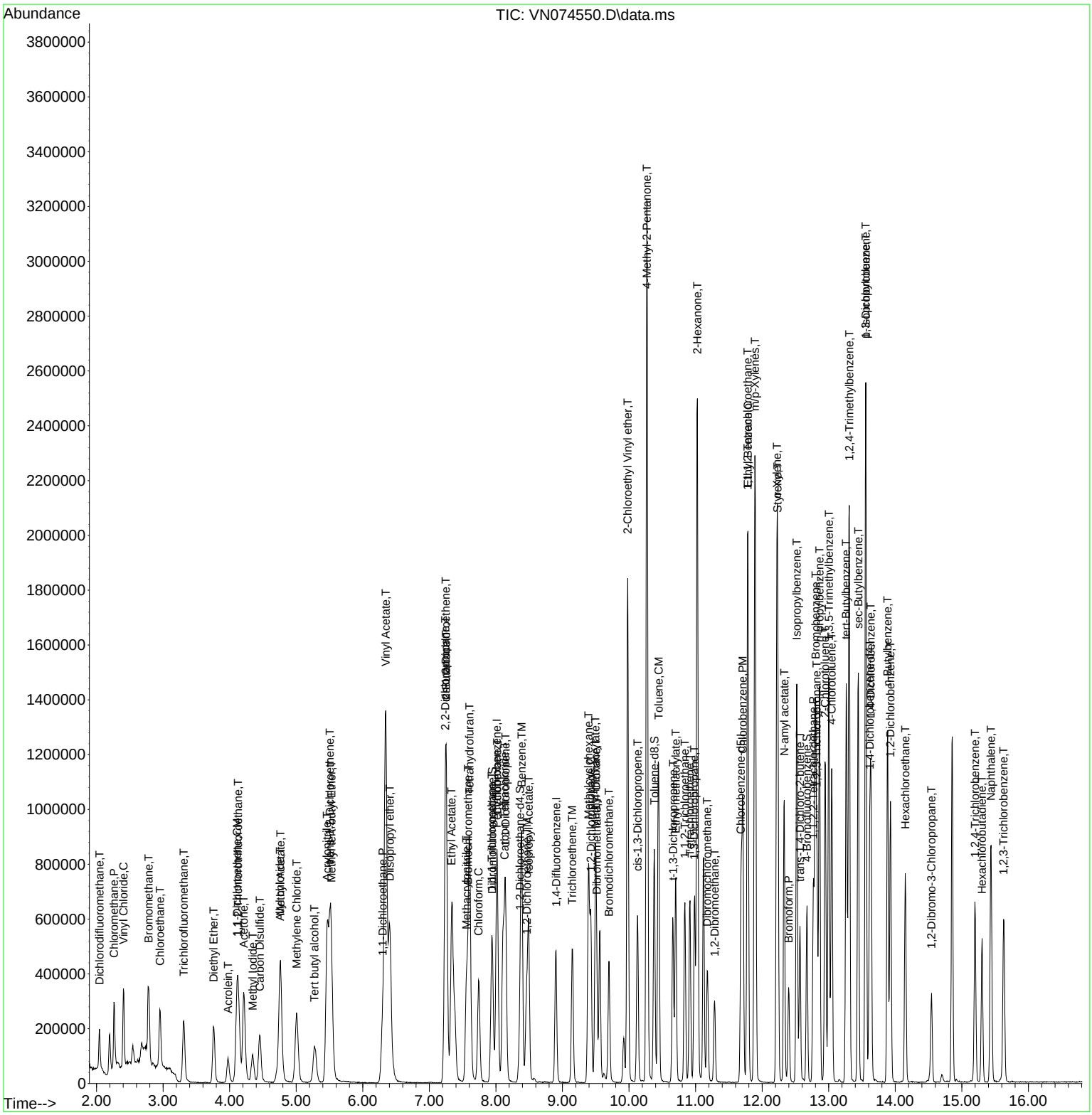
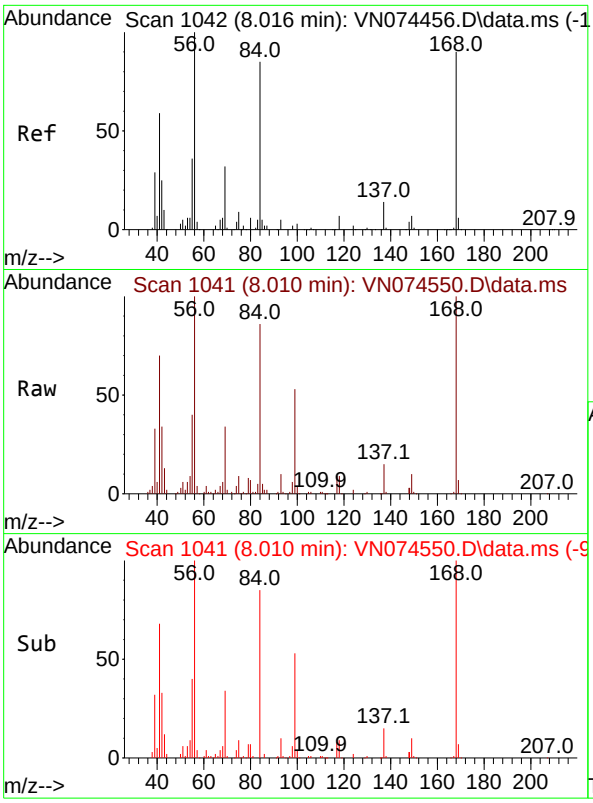
Quant Time: Sep 19 02:53:28 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 15 19:20:33 2022
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 09/19/2022
Supervised By :Mahesh Dadoda 09/19/2022

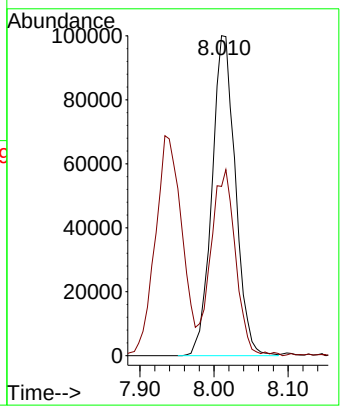




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.010 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN074550.D
Acq: 17 Sep 2022 12:40

Tgt Ion:168 Resp: 21969

Ion	Ratio	Lower	Upper
168	100		
99	52.2	42.3	63.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

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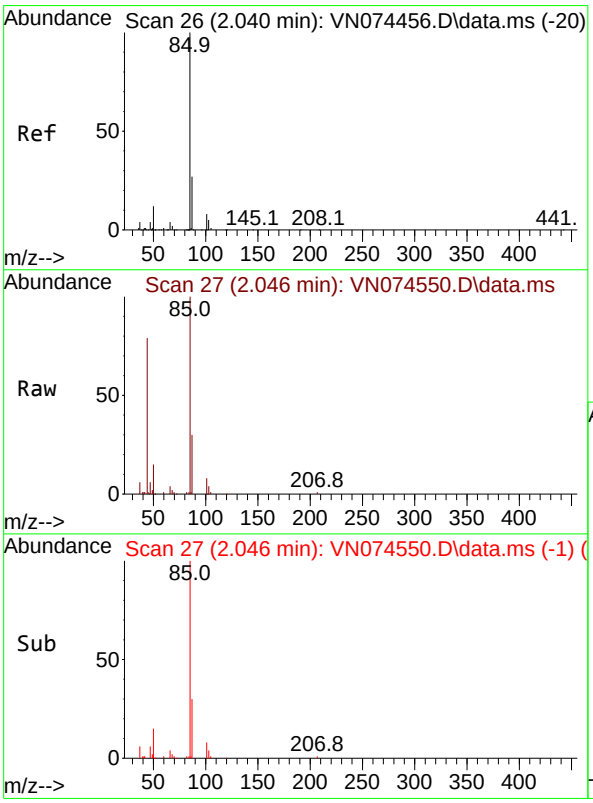
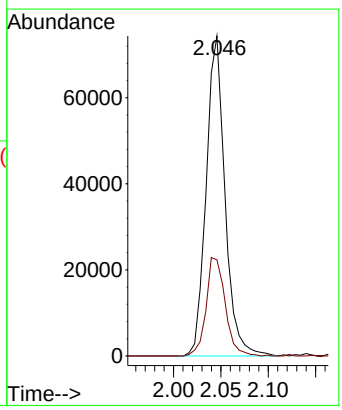
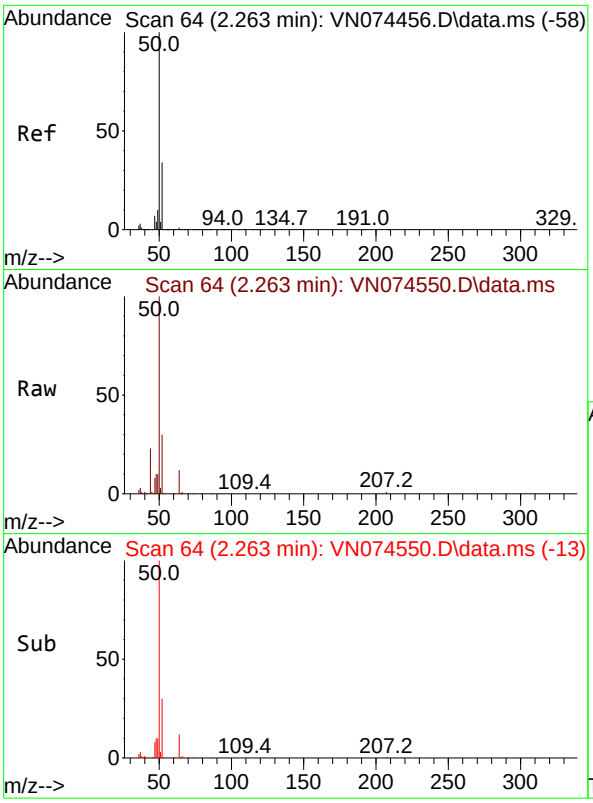


#2
Dichlorodifluoromethane
Concen: 42.908 ug/l
RT: 2.046 min Scan# 27
Delta R.T. 0.006 min
Lab File: VN074550.D
Acq: 17 Sep 2022 12:40

Tgt Ion: 85 Resp: 102593

Ion	Ratio	Lower	Upper
85	100		
87	30.1	15.7	47.1

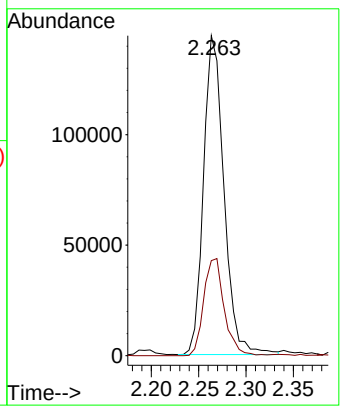




#3
Chloromethane
Concen: 53.748 ug/l
RT: 2.263 min Scan# 64
Delta R.T. 0.000 min
Lab File: VN074550.D
Acq: 17 Sep 2022 12:40

Tgt Ion: 50 Resp: 21623

Ion	Ratio	Lower	Upper
50	100		
52	29.8	25.7	38.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

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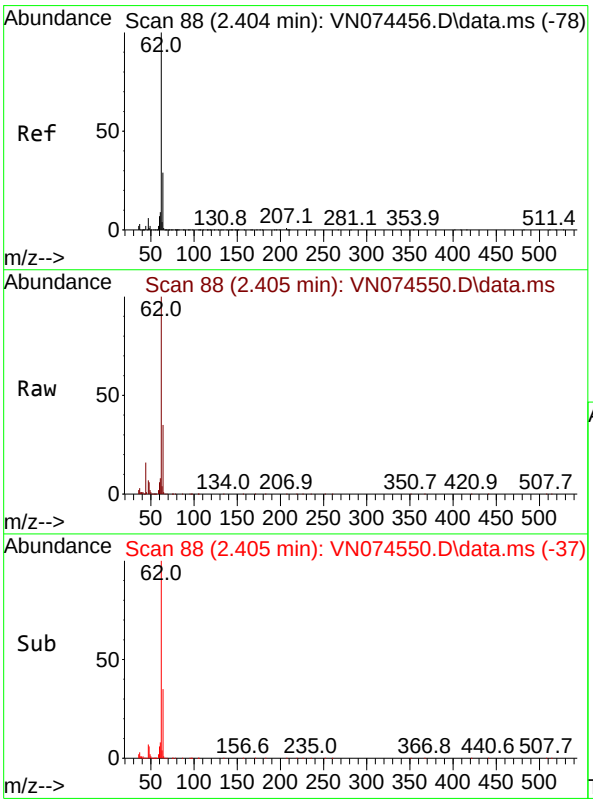
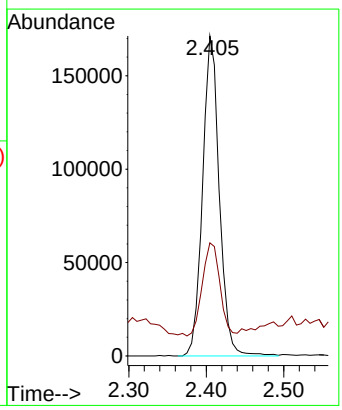
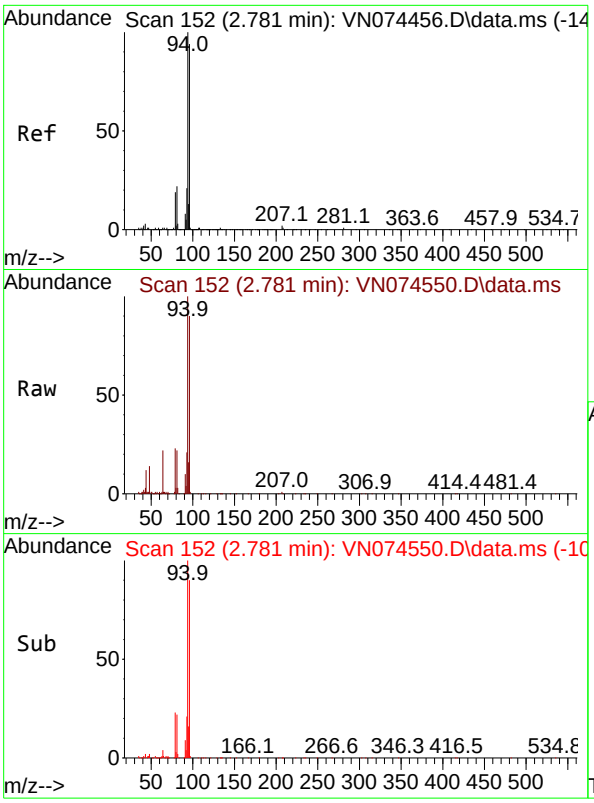


#4
Vinyl Chloride
Concen: 59.711 ug/l
RT: 2.405 min Scan# 88
Delta R.T. 0.001 min
Lab File: VN074550.D
Acq: 17 Sep 2022 12:40

Tgt Ion: 62 Resp: 256981

Ion	Ratio	Lower	Upper
62	100		
64	28.7	25.0	37.4

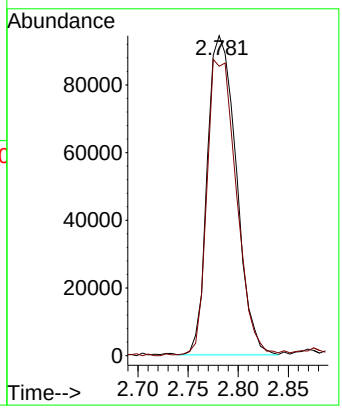




#5
Bromomethane
Concen: 83.346 ug/l
RT: 2.781 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074550.D
Acq: 17 Sep 2022 12:40

Tgt Ion: 94 Resp: 18916

Ion	Ratio	Lower	Upper
94	100		
96	90.4	76.0	114.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

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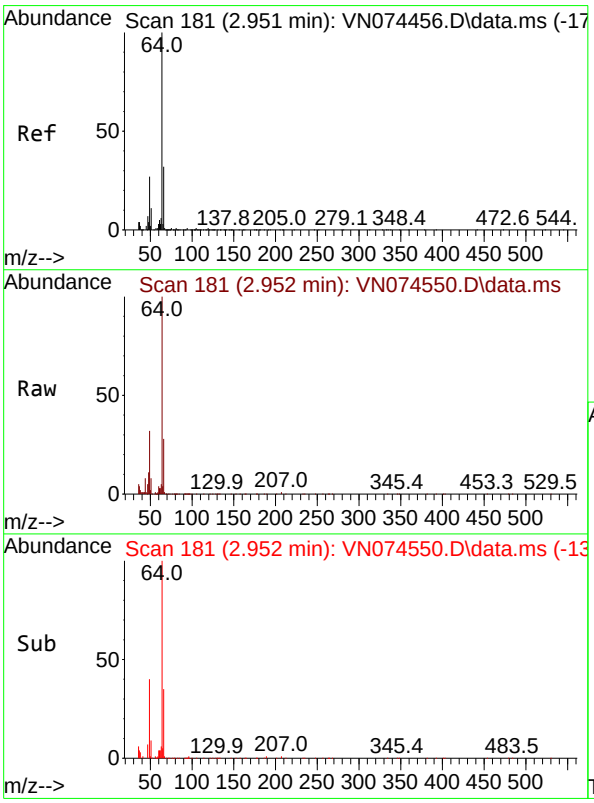
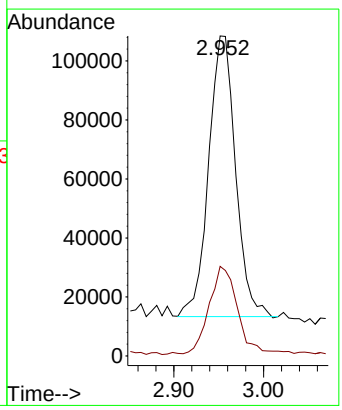
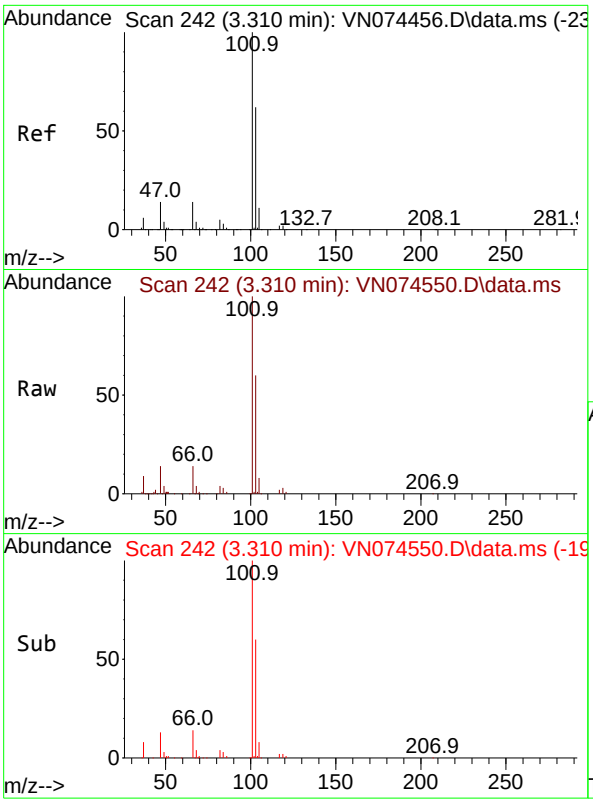


#6
Chloroethane
Concen: 67.532 ug/l
RT: 2.952 min Scan# 181
Delta R.T. 0.001 min
Lab File: VN074550.D
Acq: 17 Sep 2022 12:40

Tgt Ion: 64 Resp: 198527

Ion	Ratio	Lower	Upper
64	100		
66	31.0	26.2	39.4





#7
Trichlorofluoromethane
Concen: 48.217 ug/l
RT: 3.310 min Scan# 24
Delta R.T. 0.000 min
Lab File: VN074550.D
Acq: 17 Sep 2022 12:40

Tgt Ion:101 Resp: 22916

Ion	Ratio	Lower	Upper
101	100		
103	59.7	51.5	77.3

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/19/2022
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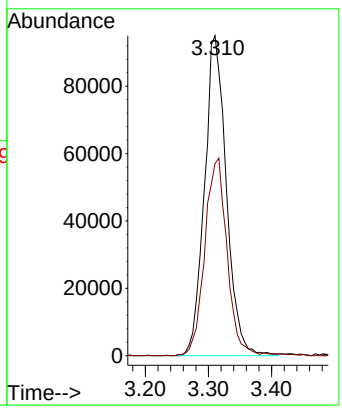
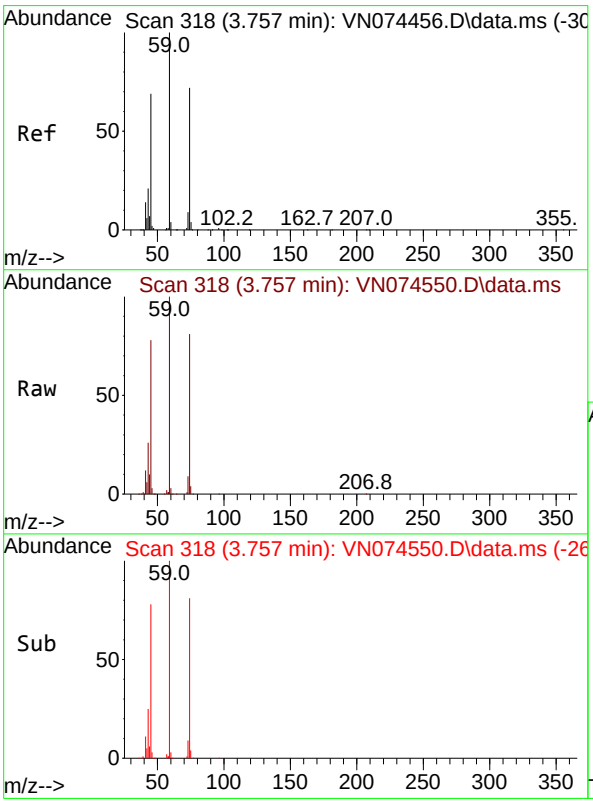
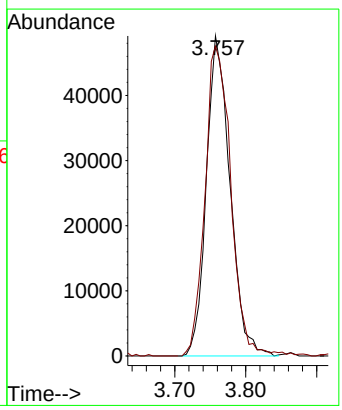


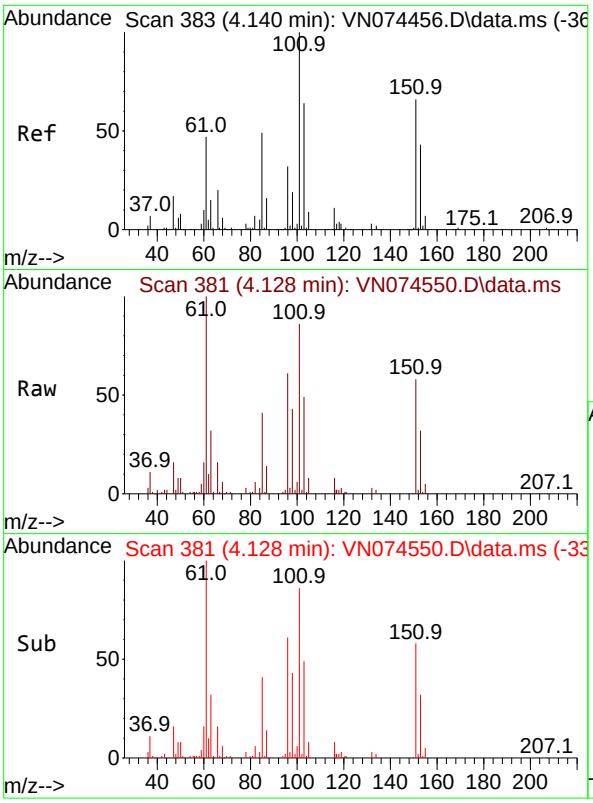


#8
Diethyl Ether
Concen: 46.934 ug/l
RT: 3.757 min Scan# 318
Delta R.T. 0.000 min
Lab File: VN074550.D
Acq: 17 Sep 2022 12:40

Tgt Ion: 74 Resp: 113751

Ion	Ratio	Lower	Upper
74	100		
45	105.9	42.9	128.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 51.214 ug/l
RT: 4.128 min Scan# 3
Delta R.T. -0.012 min
Lab File: VN074550.D
Acq: 17 Sep 2022 12:40

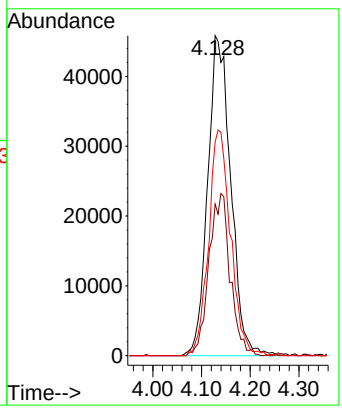
Tgt Ion:101 Resp: 15058

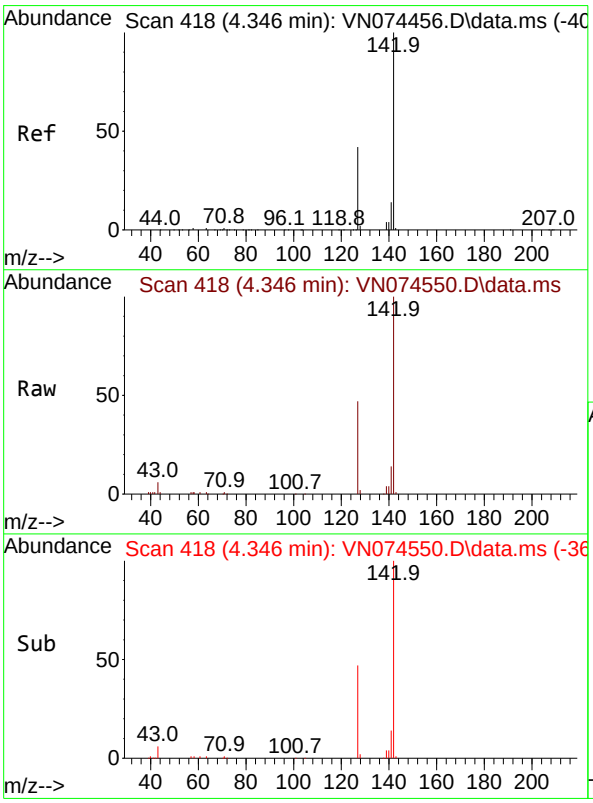
Ion	Ratio	Lower	Upper
101	100		
85	46.7	34.7	52.1
151	67.2	63.0	94.4

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/19/2022
Supervised By :Mahesh Dadoda 09/19/2022

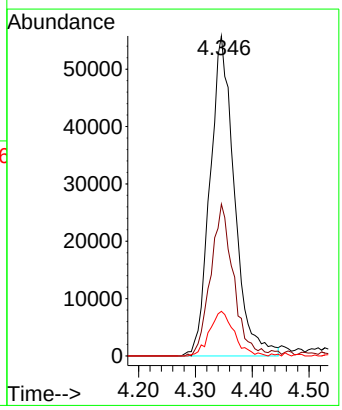


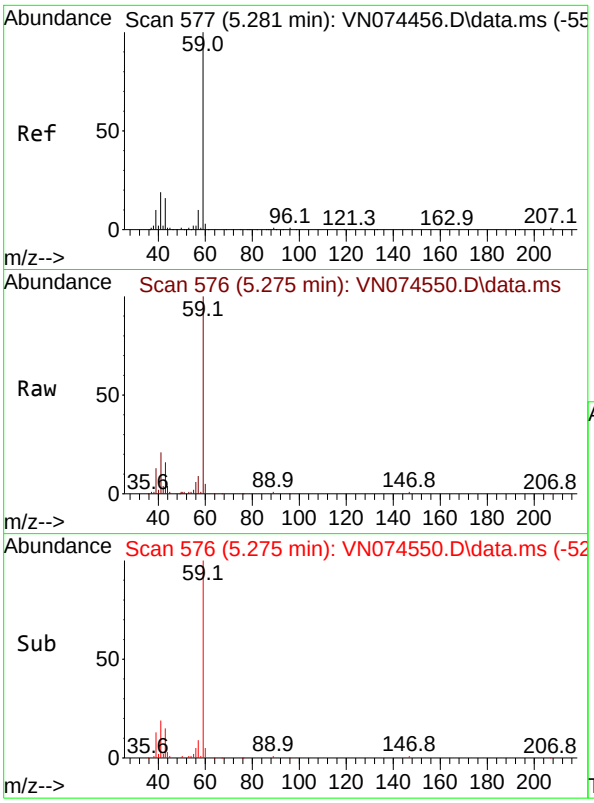


#10
Methyl Iodide
Concen: 48.033 ug/l
RT: 4.346 min Scan# 418
Delta R.T. -0.000 min
Lab File: VN074550.D
Acq: 17 Sep 2022 12:40

Tgt Ion:142 Resp: 166608

Ion	Ratio	Lower	Upper
142	100		
127	44.2	31.3	46.9
141	14.0	11.2	16.8





#11
Tert butyl alcohol
Concen: 207.153 ug/l
RT: 5.275 min Scan# 5
Delta R.T. -0.006 min
Lab File: VN074550.D
Acq: 17 Sep 2022 12:40

Tgt Ion: 59 Resp: 25154

Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.3	12.5

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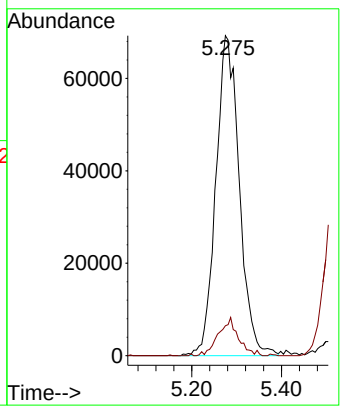
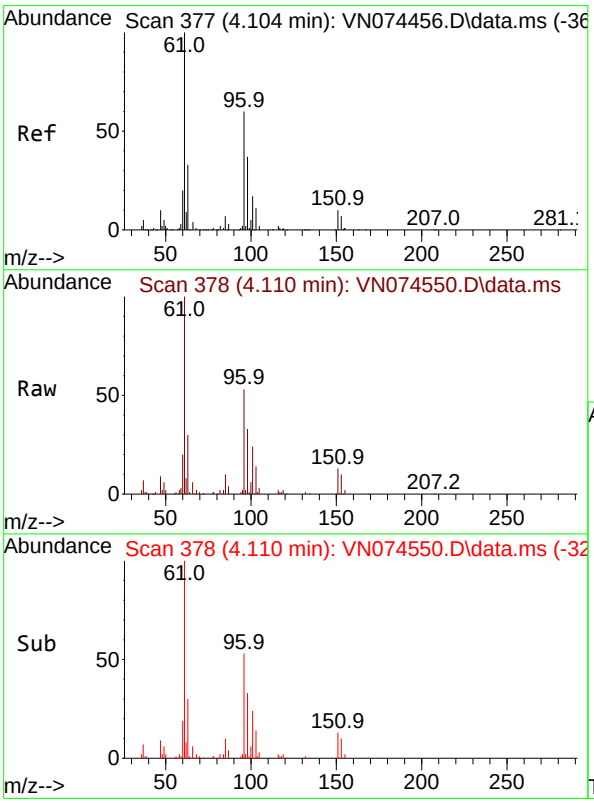
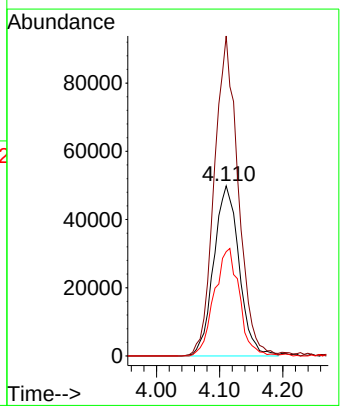


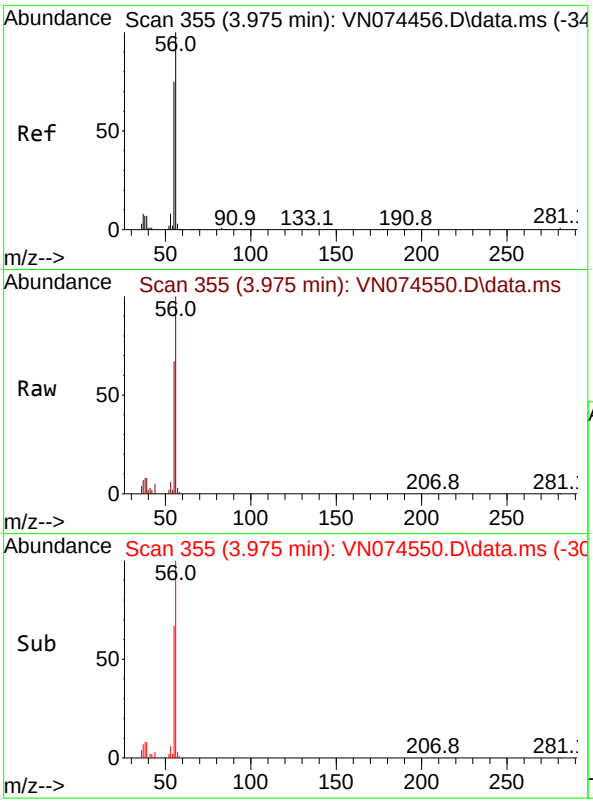


#12
1,1-Dichloroethene
Concen: 48.143 ug/l
RT: 4.110 min Scan# 378
Delta R.T. 0.006 min
Lab File: VN074550.D
Acq: 17 Sep 2022 12:40

Tgt Ion: 96 Resp: 139355

Ion	Ratio	Lower	Upper
96	100		
61	188.1	127.6	191.4
98	61.3	51.2	76.8





#13
Acrolein
Concen: 239.079 ug/l
RT: 3.975 min Scan# 3
Delta R.T. 0.000 min
Lab File: VN074550.D
Acq: 17 Sep 2022 12:40

Tgt Ion: 56 Resp: 10601

Ion	Ratio	Lower	Upper
56	100		
55	70.8	54.8	82.2

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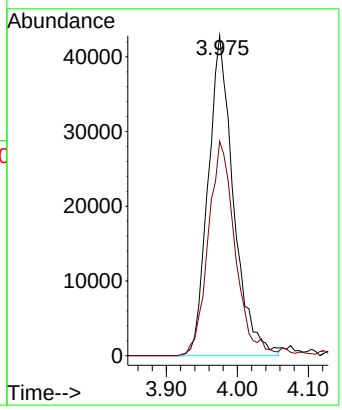
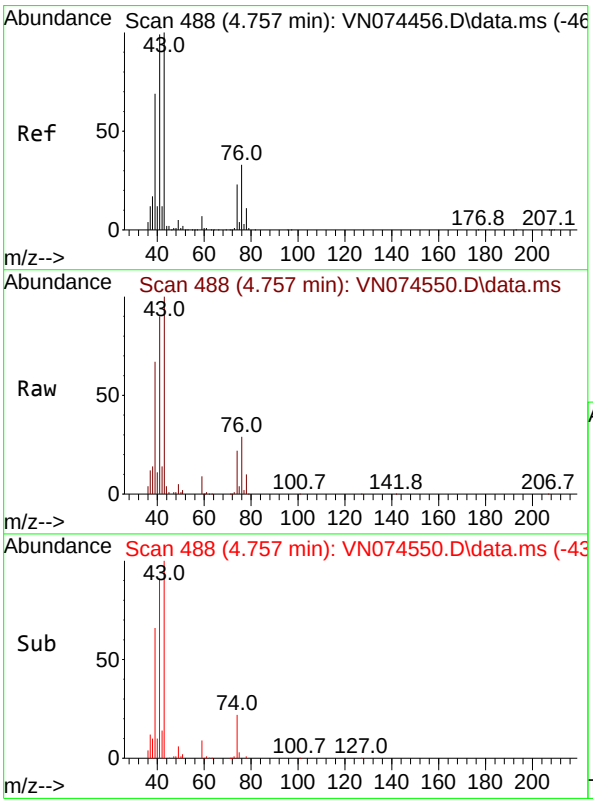
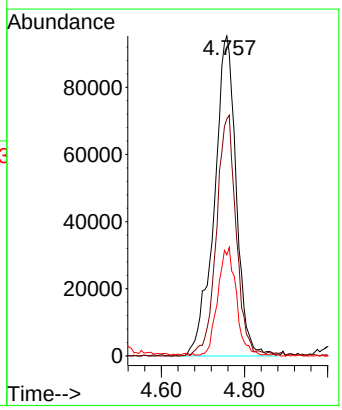


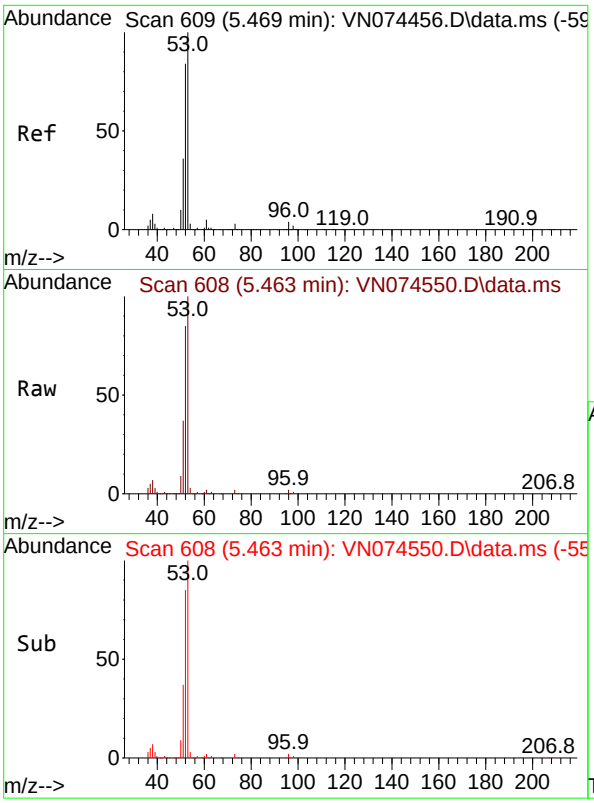


#14
Allyl chloride
Concen: 50.633 ug/l
RT: 4.757 min Scan# 488
Delta R.T. 0.000 min
Lab File: VN074550.D
Acq: 17 Sep 2022 12:40

Tgt Ion: 41 Resp: 349824

Ion	Ratio	Lower	Upper
41	100		
39	67.7	53.2	79.8
76	28.1	29.9	44.9#

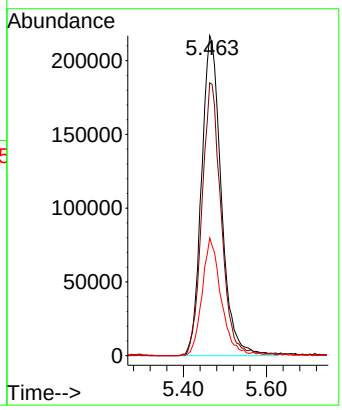




#15
Acrylonitrile
Concen: 262.255 ug/l
RT: 5.463 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN074550.D
Acq: 17 Sep 2022 12:40

Tgt Ion: 53 Resp: 71543

Ion	Ratio	Lower	Upper
53	100		
52	83.2	66.4	99.6
51	35.2	28.5	42.7



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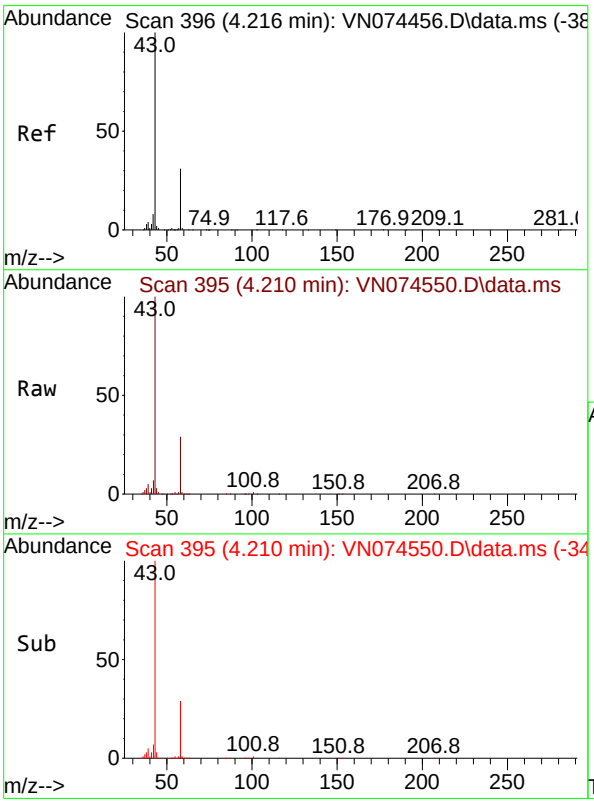
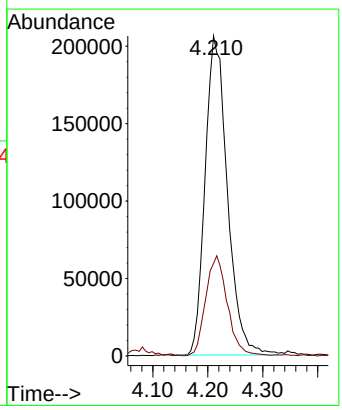
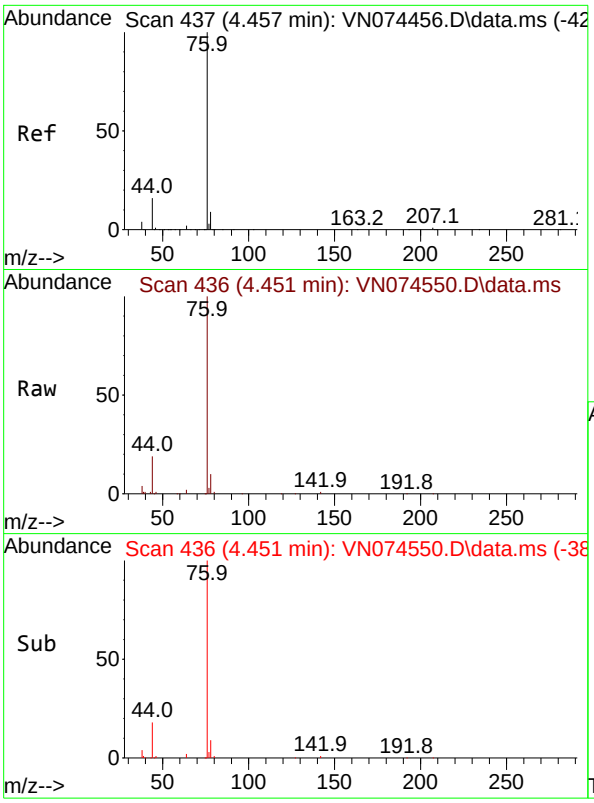


#16
Acetone
Concen: 243.560 ug/l
RT: 4.210 min Scan# 395
Delta R.T. -0.006 min
Lab File: VN074550.D
Acq: 17 Sep 2022 12:40

Tgt Ion: 43 Resp: 580959

Ion	Ratio	Lower	Upper
43	100		
58	28.7	26.0	39.0





#17
Carbon Disulfide
Concen: 44.739 ug/l
RT: 4.451 min Scan# 4
Delta R.T. -0.006 min
Lab File: VN074550.D
Acq: 17 Sep 2022 12:40

Tgt Ion: 76 Resp: 35496

Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.2	10.8

Instrument :
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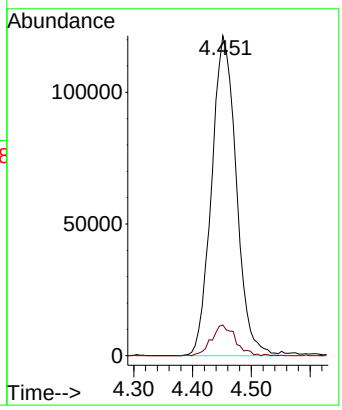
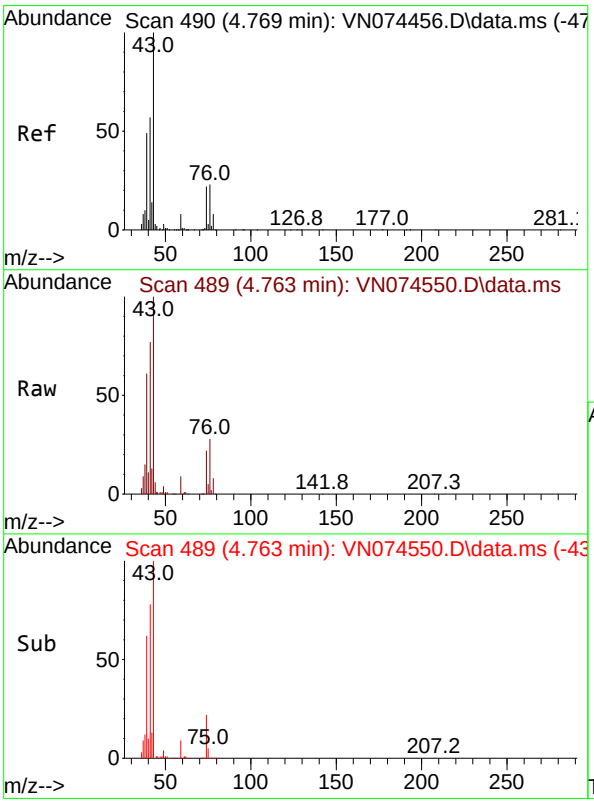
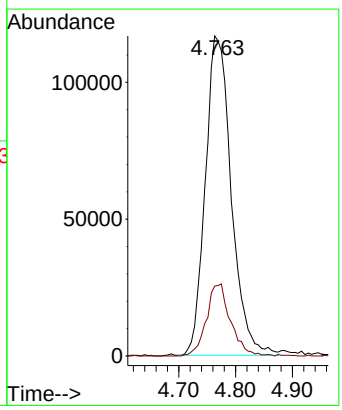


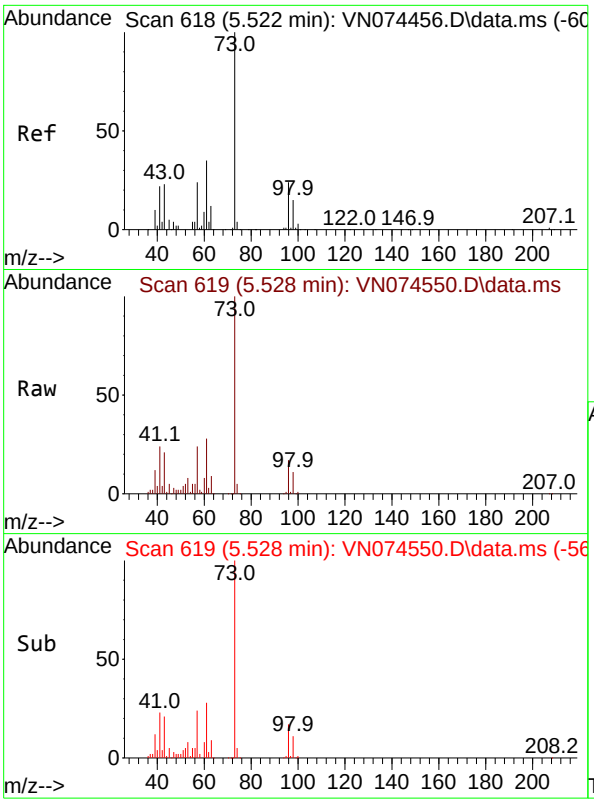


#18
Methyl Acetate
Concen: 50.068 ug/l
RT: 4.763 min Scan# 489
Delta R.T. -0.006 min
Lab File: VN074550.D
Acq: 17 Sep 2022 12:40

Tgt Ion: 43 Resp: 370931

Ion	Ratio	Lower	Upper
43	100		
74	20.8	21.6	32.4#

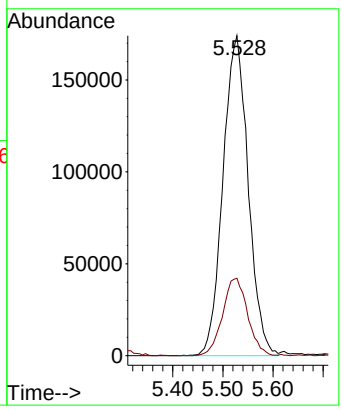




#19
Methyl tert-butyl Ether
Concen: 49.792 ug/l
RT: 5.528 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN074550.D
Acq: 17 Sep 2022 12:40

Tgt Ion: 73 Resp: 60719

Ion	Ratio	Lower	Upper
73	100		
57	24.2	17.6	26.4



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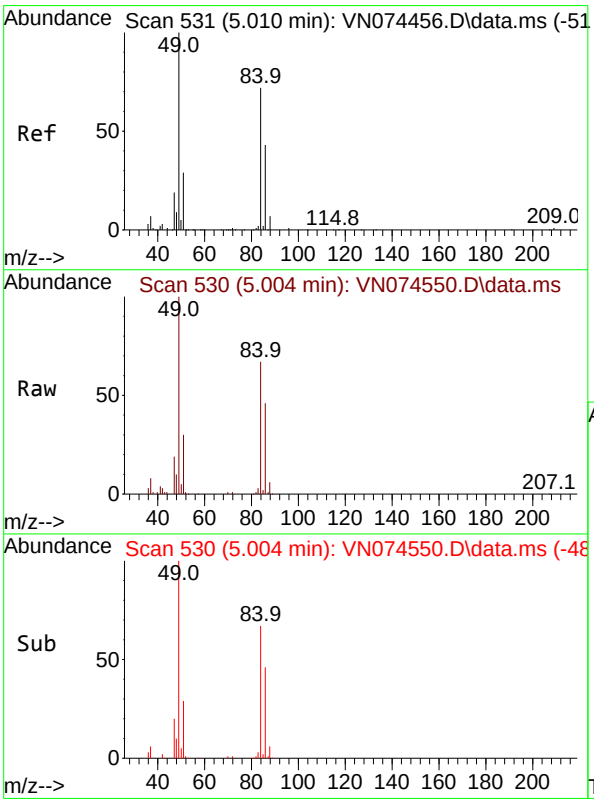
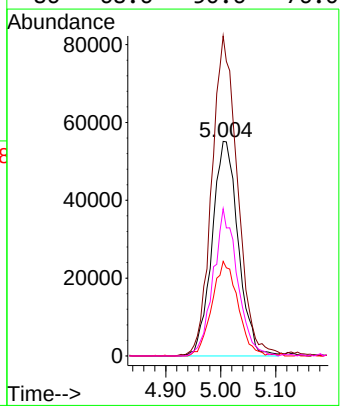
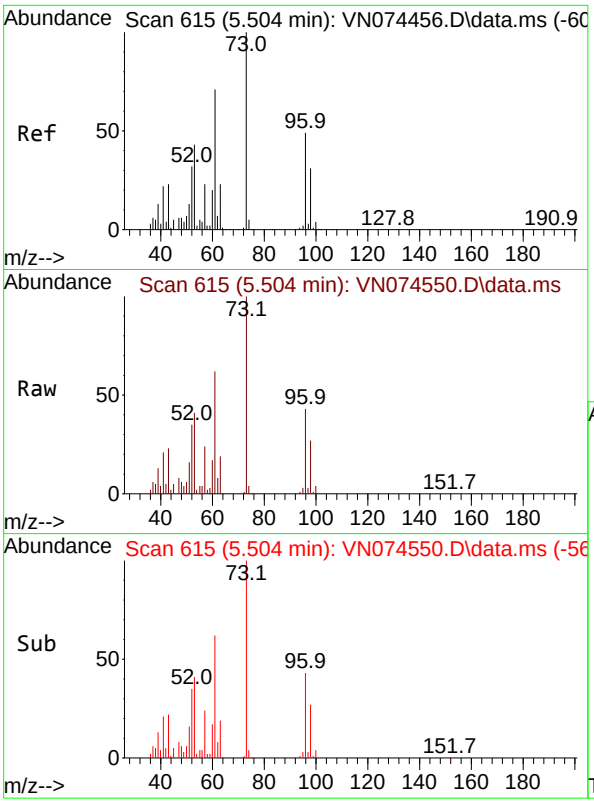


#20
Methylene Chloride
Concen: 50.104 ug/l
RT: 5.004 min Scan# 530
Delta R.T. -0.006 min
Lab File: VN074550.D
Acq: 17 Sep 2022 12:40

Tgt Ion: 84 Resp: 182459

Ion	Ratio	Lower	Upper
84	100		
49	148.9	88.3	132.5#
51	44.1	28.2	42.2#
86	68.6	50.6	76.0

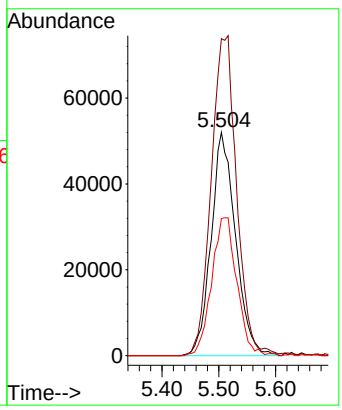




#21
trans-1,2-Dichloroethene
Concen: 48.935 ug/l
RT: 5.504 min Scan# 61
Delta R.T. 0.000 min
Lab File: VN074550.D
Acq: 17 Sep 2022 12:40

Tgt Ion: 96 Resp: 15549

Ion	Ratio	Lower	Upper
96	100		
61	141.9	105.8	158.8
98	61.4	50.3	75.5



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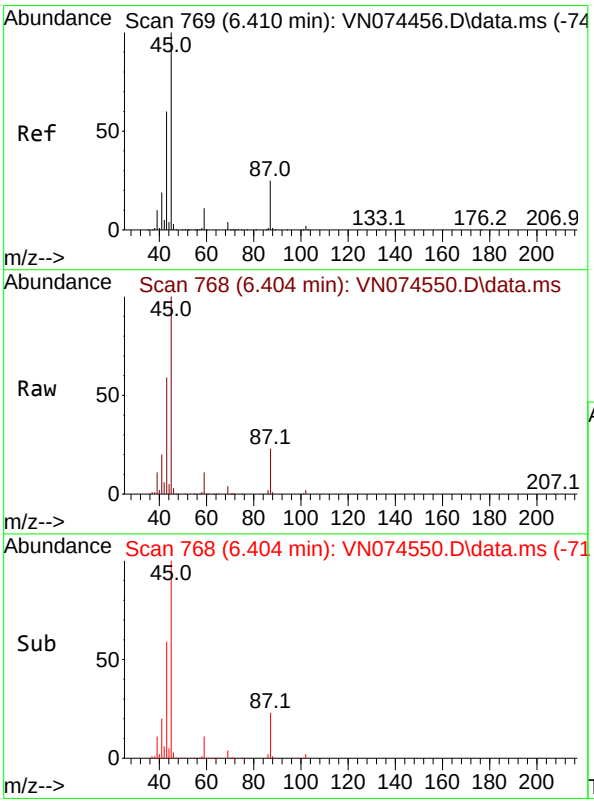
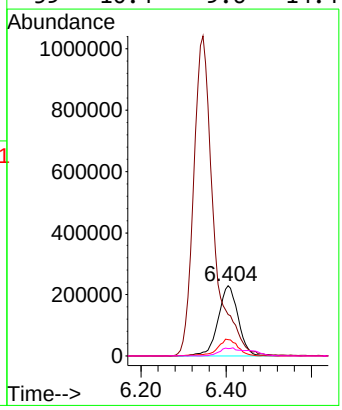
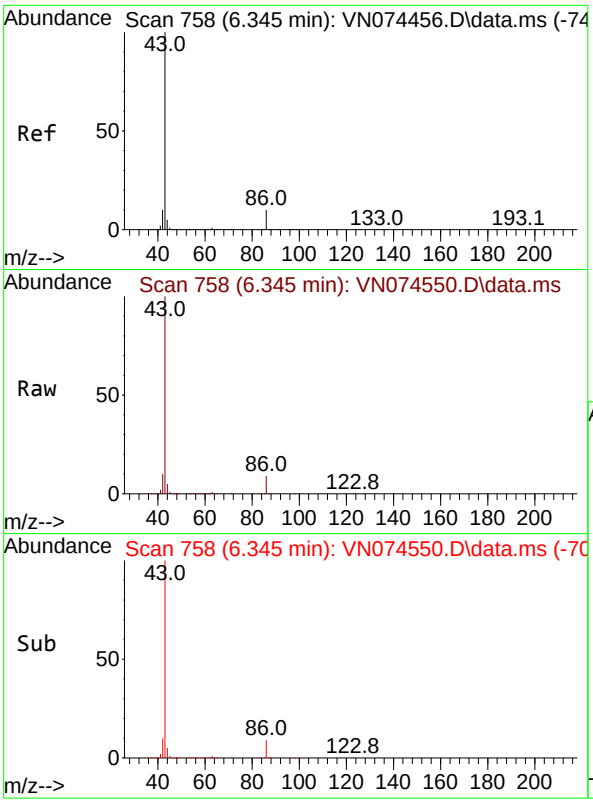


#22
Diisopropyl ether
Concen: 53.879 ug/l
RT: 6.404 min Scan# 768
Delta R.T. -0.006 min
Lab File: VN074550.D
Acq: 17 Sep 2022 12:40

Tgt Ion: 45 Resp: 747482

Ion	Ratio	Lower	Upper
45	100		
43	58.0	46.6	70.0
87	23.2	24.3	36.5#
59	10.4	9.6	14.4





#23
Vinyl Acetate
Concen: 277.645 ug/l
RT: 6.345 min Scan# 7
Delta R.T. 0.000 min
Lab File: VN074550.D
Acq: 17 Sep 2022 12:40

Tgt Ion: 43 Resp: 339737

Ion	Ratio	Lower	Upper
43	100		
86	8.6	10.0	15.0#

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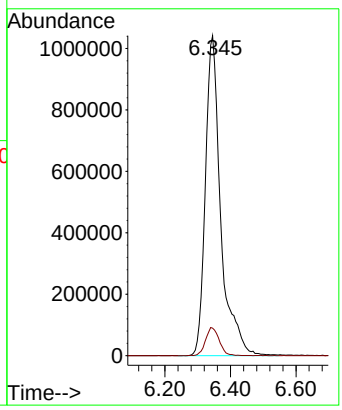
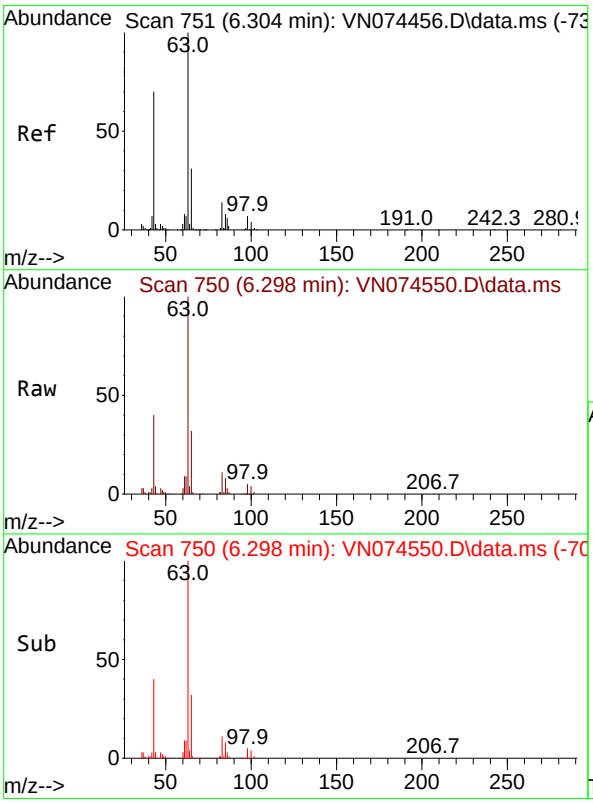
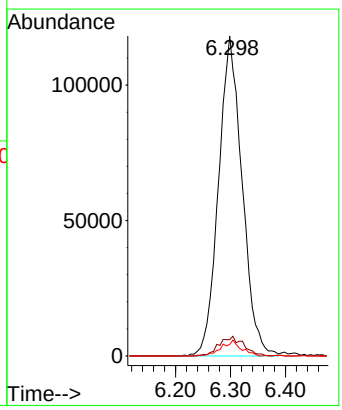


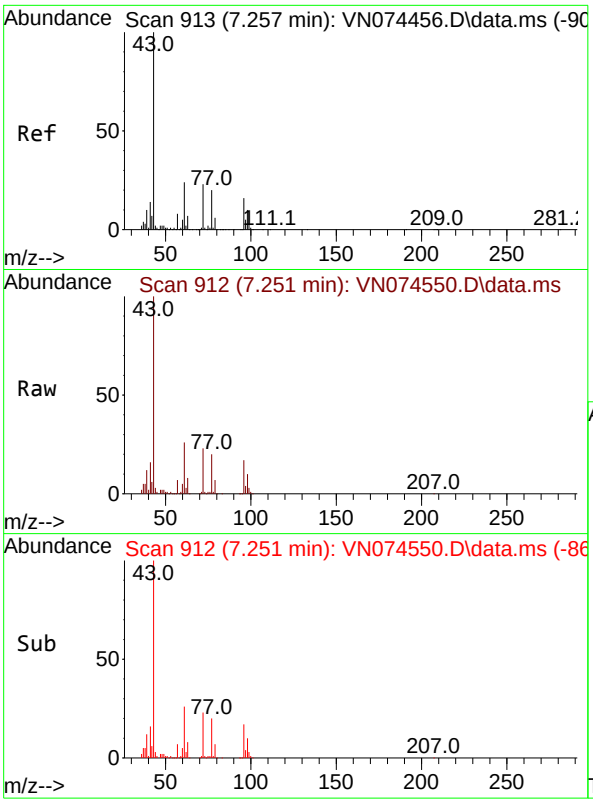


#24
1,1-Dichloroethane
Concen: 50.776 ug/l
RT: 6.298 min Scan# 750
Delta R.T. -0.006 min
Lab File: VN074550.D
Acq: 17 Sep 2022 12:40

Tgt Ion: 63 Resp: 352123

Ion	Ratio	Lower	Upper
63	100		
98	5.1	3.5	10.4
100	3.6	2.3	6.8





#25
2-Butanone
Concen: 268.811 ug/l
RT: 7.251 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN074550.D
Acq: 17 Sep 2022 12:40

Tgt Ion: 43 Resp: 106457

Ion	Ratio	Lower	Upper
43	100		
72	22.7	23.7	35.5

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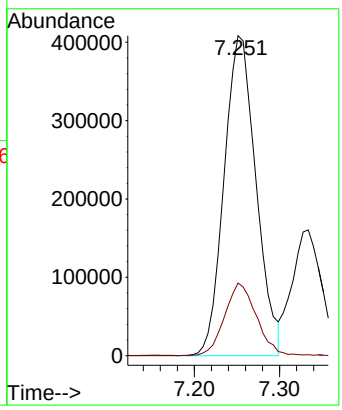
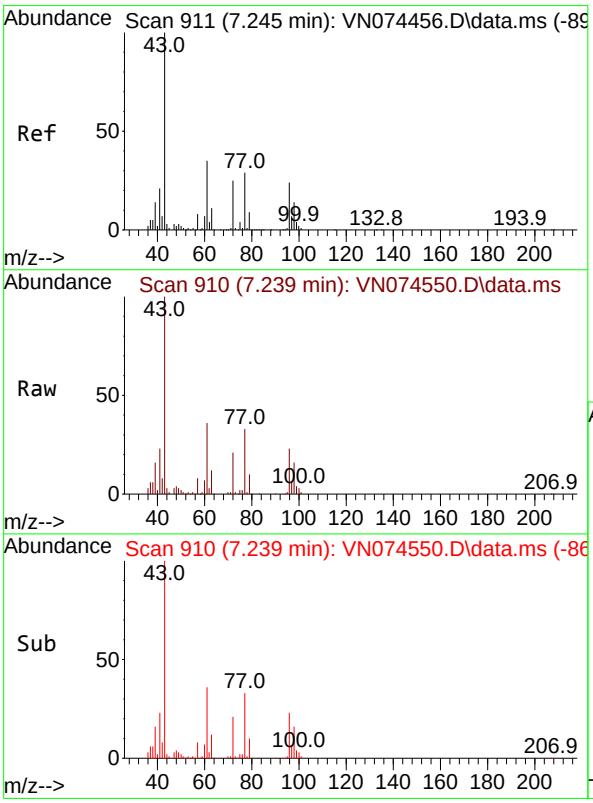
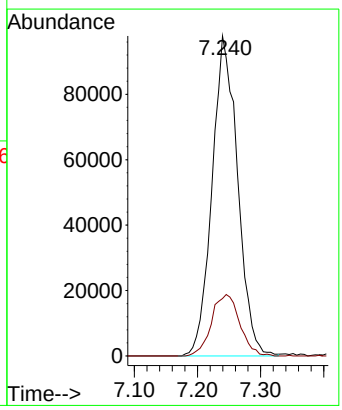


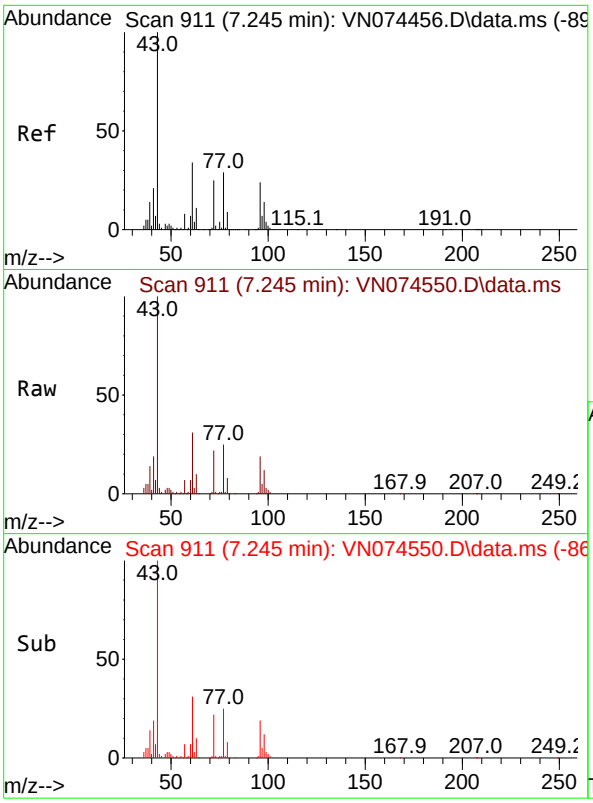


#26
2,2-Dichloropropane
Concen: 45.955 ug/l
RT: 7.239 min Scan# 910
Delta R.T. -0.006 min
Lab File: VN074550.D
Acq: 17 Sep 2022 12:40

Tgt Ion: 77 Resp: 274757

Ion	Ratio	Lower	Upper
77	100		
97	21.2	11.4	34.2

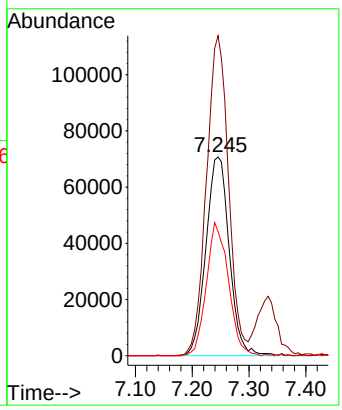




#27
cis-1,2-Dichloroethene
Concen: 49.561 ug/l
RT: 7.245 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN074550.D
Acq: 17 Sep 2022 12:40

Tgt Ion: 96 Resp: 20160

Ion	Ratio	Lower	Upper
96	100		
61	152.4	0.0	280.6
98	63.1	0.0	128.4



Instrument :
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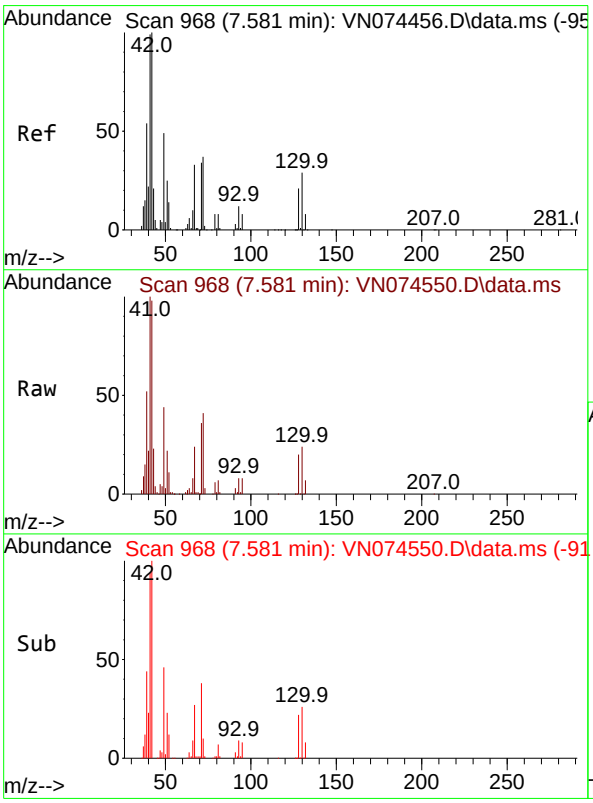
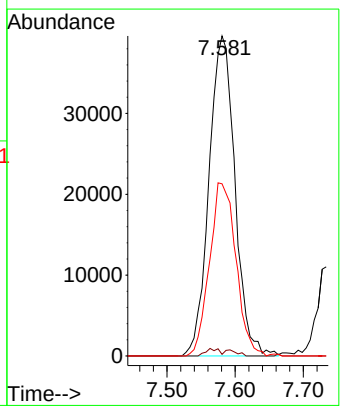
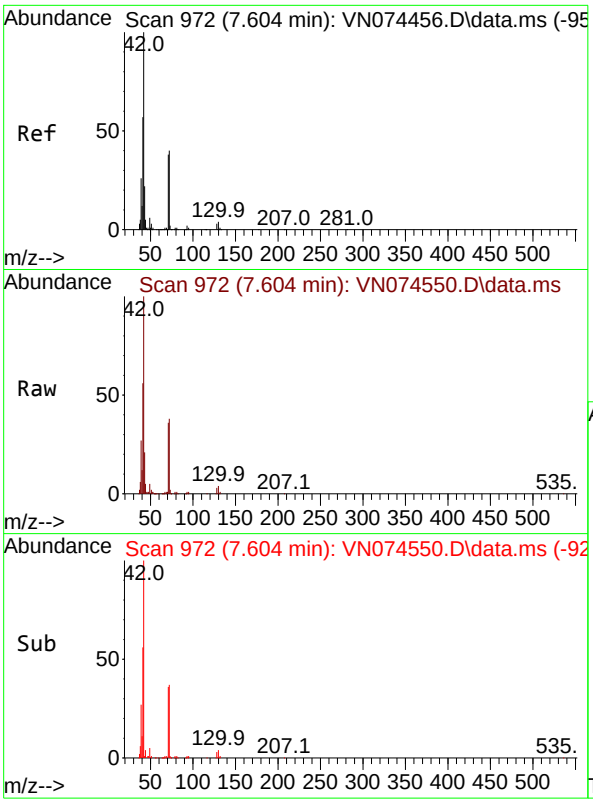


#28
Bromochloromethane
Concen: 51.327 ug/l
RT: 7.581 min Scan# 968
Delta R.T. -0.000 min
Lab File: VN074550.D
Acq: 17 Sep 2022 12:40

Tgt Ion: 49 Resp: 104818

Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	4.6
130	55.2	69.7	104.5#





#29
Tetrahydrofuran
Concen: 270.300 ug/l
RT: 7.604 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN074550.D
Acq: 17 Sep 2022 12:40

Tgt Ion: 42 Resp: 70382

Ion	Ratio	Lower	Upper
42	100		
72	36.6	39.7	59.5#
71	35.9	36.6	55.0#

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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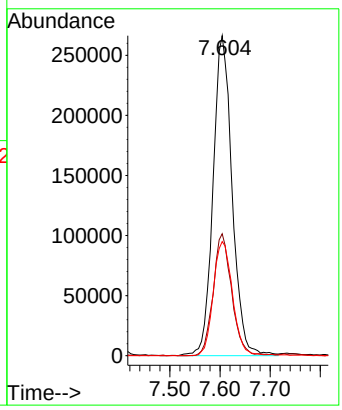
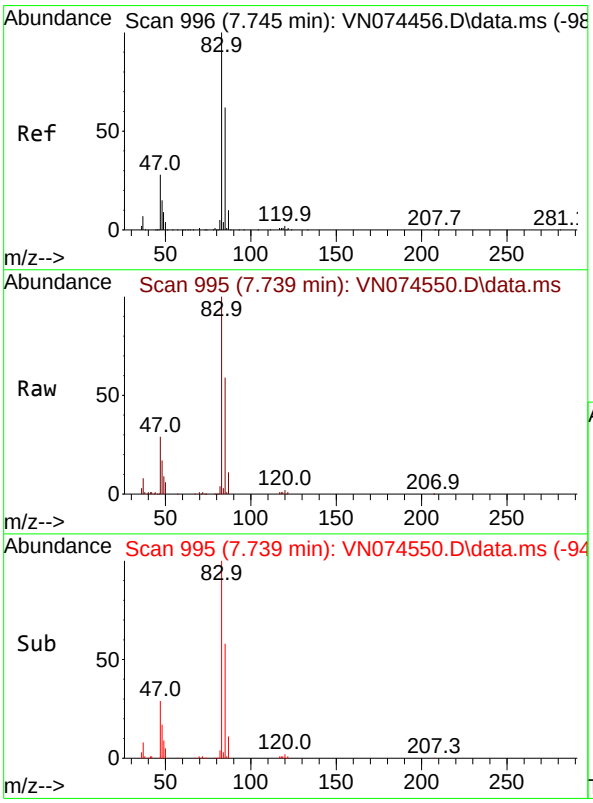
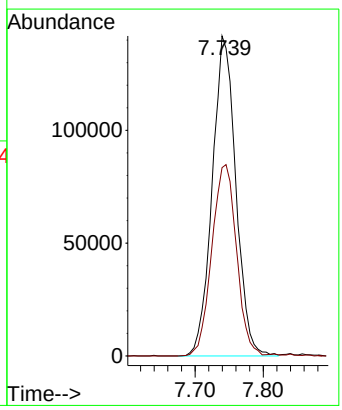


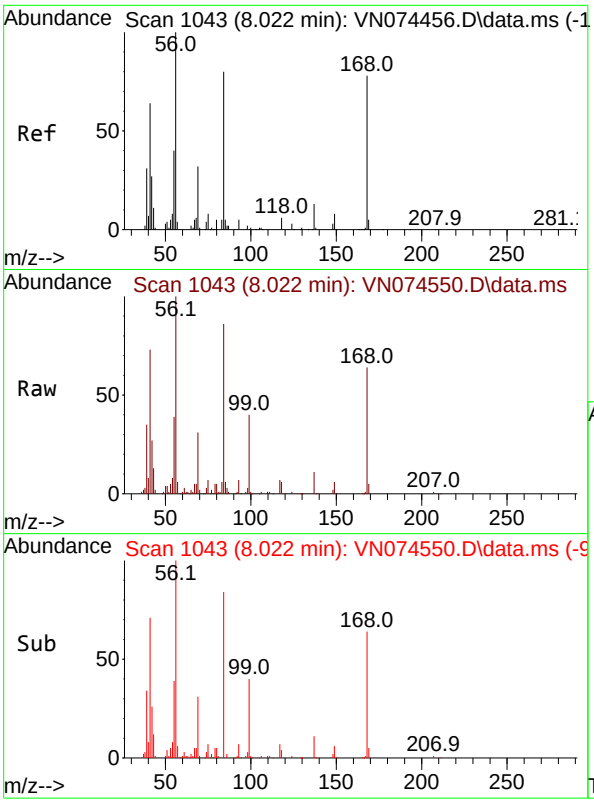


#30
Chloroform
Concen: 53.444 ug/l
RT: 7.739 min Scan# 995
Delta R.T. -0.006 min
Lab File: VN074550.D
Acq: 17 Sep 2022 12:40

Tgt Ion: 83 Resp: 342080

Ion	Ratio	Lower	Upper
83	100		
85	58.9	51.8	77.8

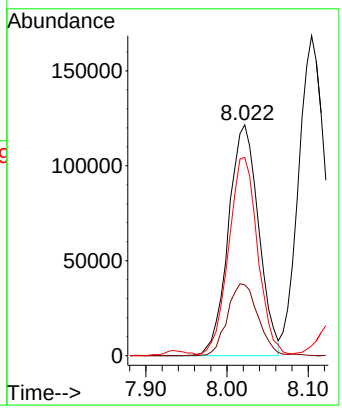




#31
Cyclohexane
Concen: 47.531 ug/l
RT: 8.022 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074550.D
Acq: 17 Sep 2022 12:40

Tgt Ion: 56 Resp: 31448

Ion	Ratio	Lower	Upper
56	100		
69	30.7	27.8	41.8
84	83.9	76.9	115.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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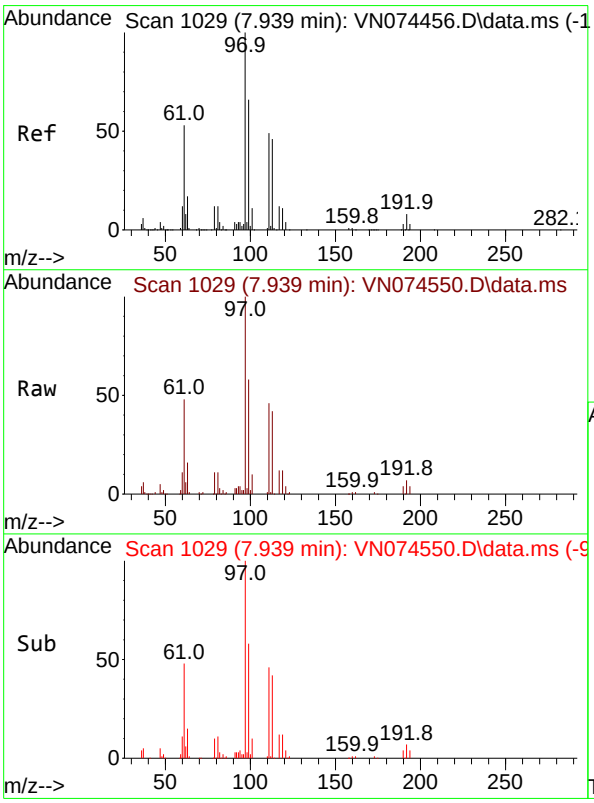
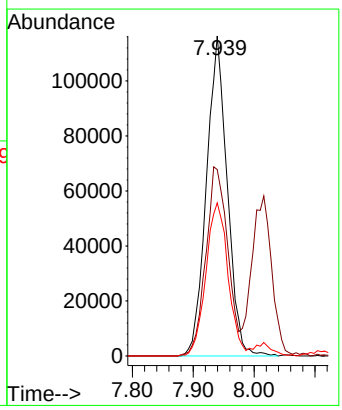
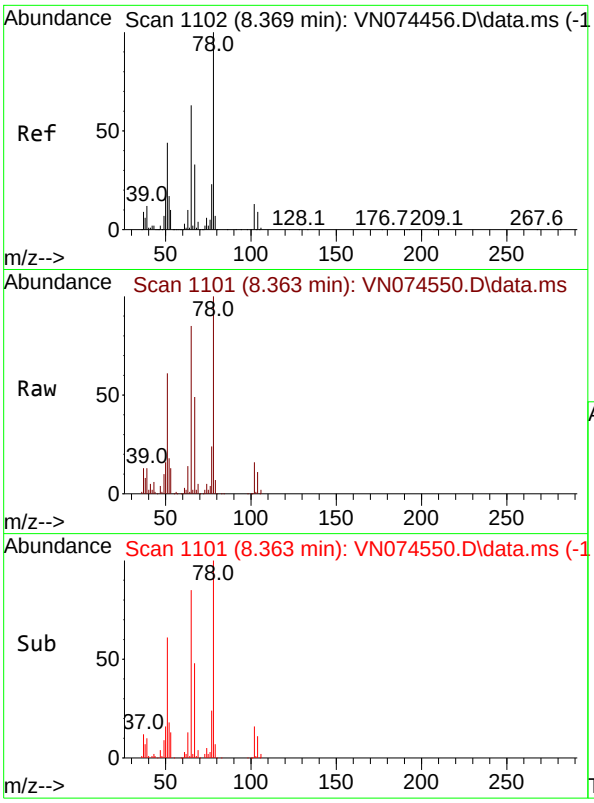


#32
1,1,1-Trichloroethane
Concen: 49.249 ug/l
RT: 7.939 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VN074550.D
Acq: 17 Sep 2022 12:40

Tgt Ion: 97 Resp: 276471

Ion	Ratio	Lower	Upper
97	100		
99	62.0	50.6	76.0
61	50.8	36.0	54.0

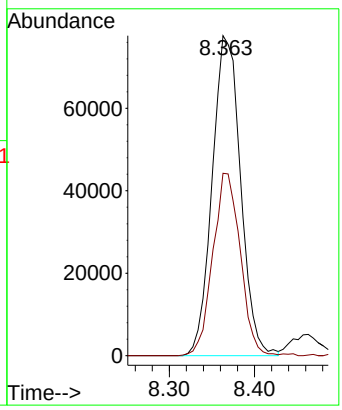




#33
1,2-Dichloroethane-d4
Concen: 48.278 ug/l
RT: 8.363 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN074550.D
Acq: 17 Sep 2022 12:40

Tgt Ion: 65 Resp: 17996

Ion	Ratio	Lower	Upper
65	100		
67	55.0	0.0	104.8



Instrument :
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ClientSampleId :
VSTDCCC050

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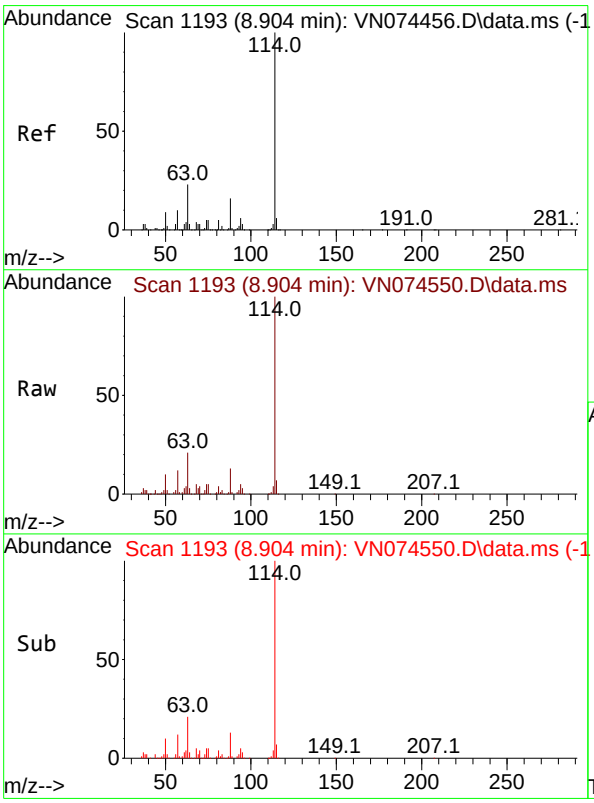
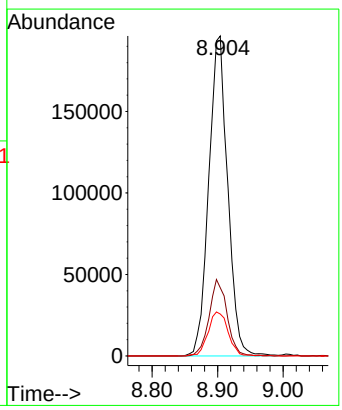
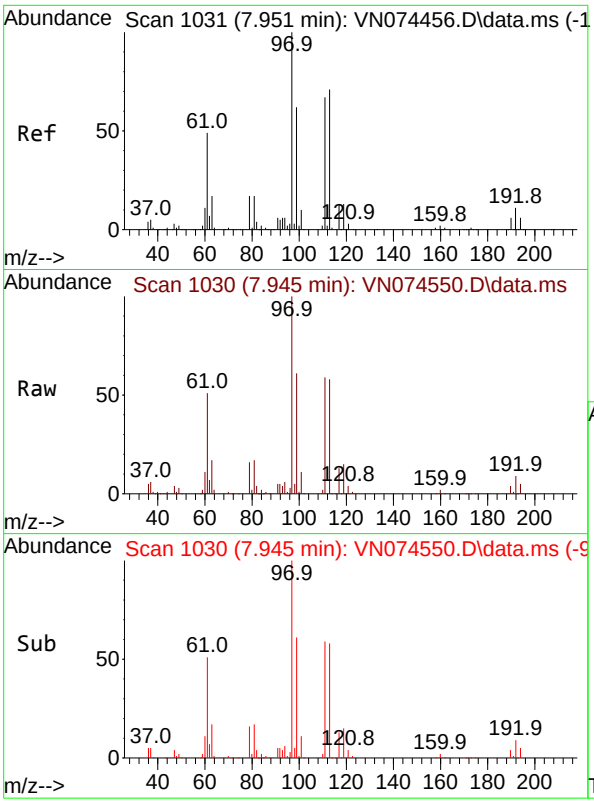


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VN074550.D
Acq: 17 Sep 2022 12:40

Tgt Ion:114 Resp: 393611

Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	40.0
88	13.1	0.0	32.6

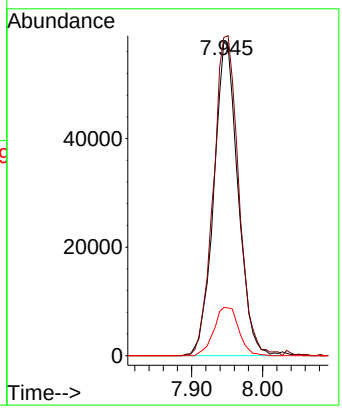




#35
Dibromofluoromethane
Concen: 52.332 ug/l
RT: 7.945 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN074550.D
Acq: 17 Sep 2022 12:40

Tgt Ion:113 Resp: 13683

Ion	Ratio	Lower	Upper
113	100		
111	106.1	81.4	122.0
192	15.8	17.0	25.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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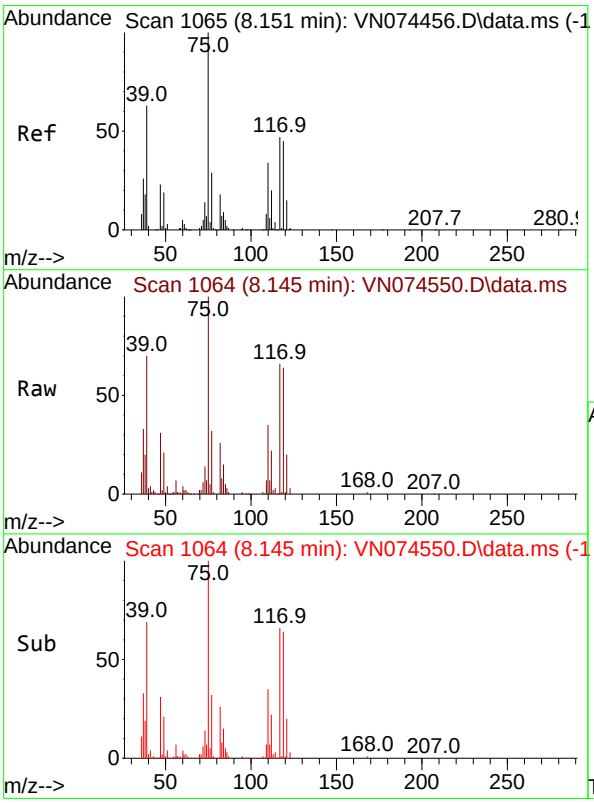
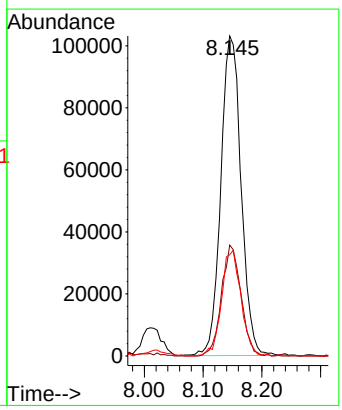
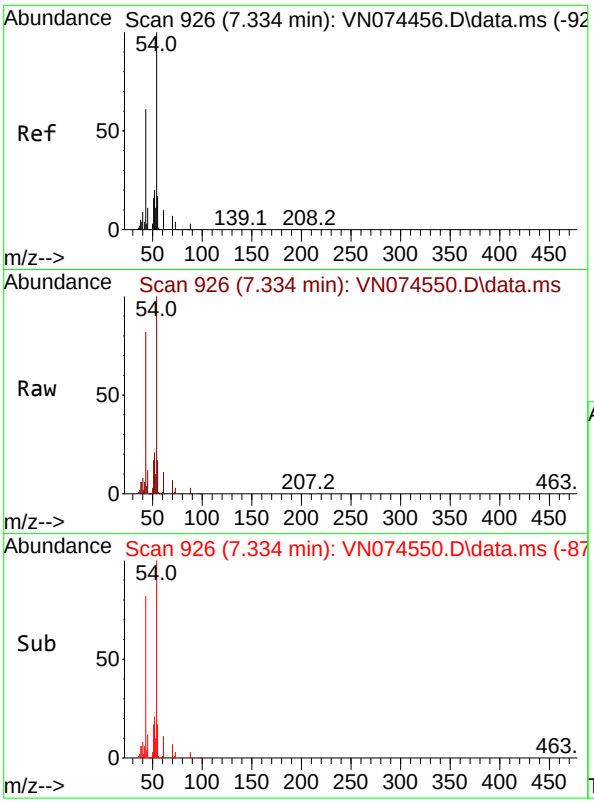


#36
1,1-Dichloropropene
Concen: 53.317 ug/l
RT: 8.145 min Scan# 1064
Delta R.T. -0.006 min
Lab File: VN074550.D
Acq: 17 Sep 2022 12:40

Tgt Ion: 75 Resp: 246754

Ion	Ratio	Lower	Upper
75	100		
110	33.3	18.3	54.8
77	31.9	25.1	37.7

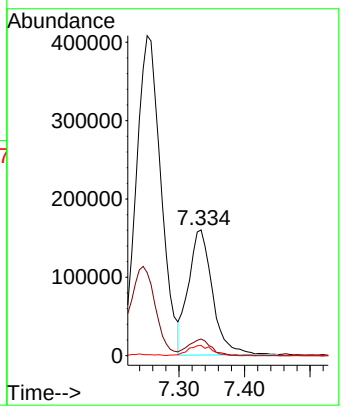




#37
Ethyl Acetate
Concen: 57.137 ug/l
RT: 7.334 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN074550.D
Acq: 17 Sep 2022 12:40

Tgt Ion: 43 Resp: 40837

Ion	Ratio	Lower	Upper
43	100		
61	12.4	11.8	17.6
70	8.1	9.3	13.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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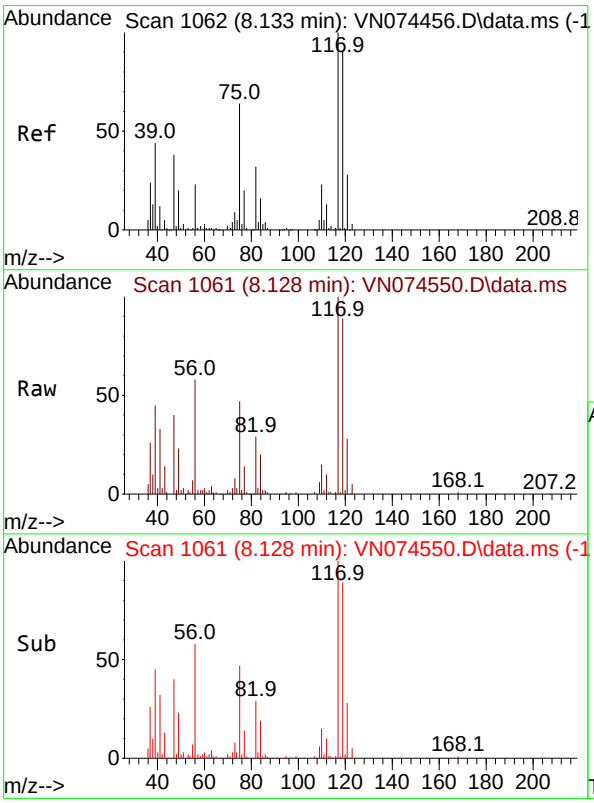
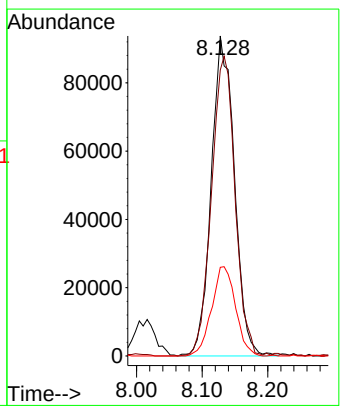
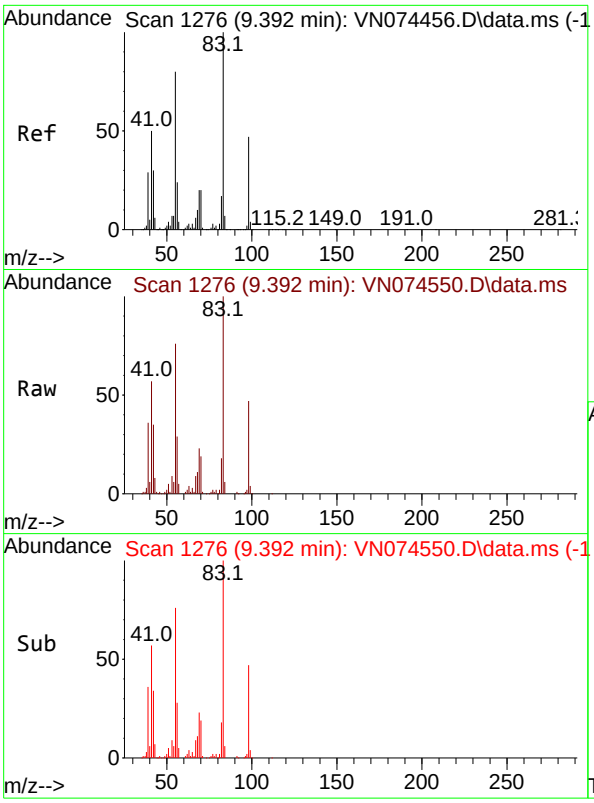


#38
Carbon Tetrachloride
Concen: 53.688 ug/l
RT: 8.128 min Scan# 1061
Delta R.T. -0.005 min
Lab File: VN074550.D
Acq: 17 Sep 2022 12:40

Tgt Ion:117 Resp: 229411

Ion	Ratio	Lower	Upper
117	100		
119	89.4	75.8	113.8
121	27.7	24.6	37.0





#39
Methylcyclohexane
Concen: 53.791 ug/l
RT: 9.392 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074550.D
Acq: 17 Sep 2022 12:40

Tgt Ion: 83 Resp: 29602

Ion	Ratio	Lower	Upper
83	100		
55	75.8	57.8	86.8
98	47.3	39.4	59.2

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
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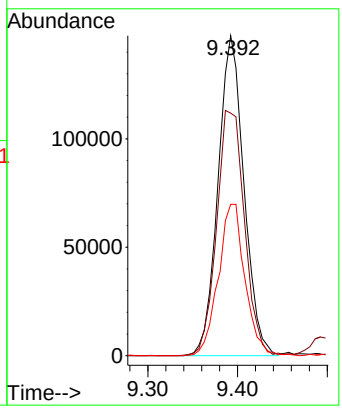
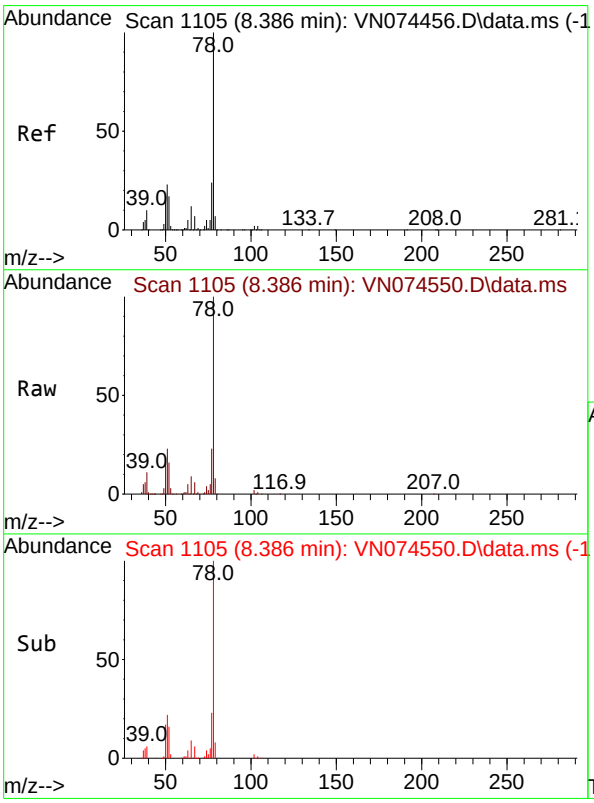
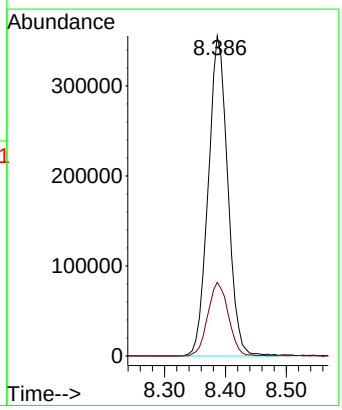


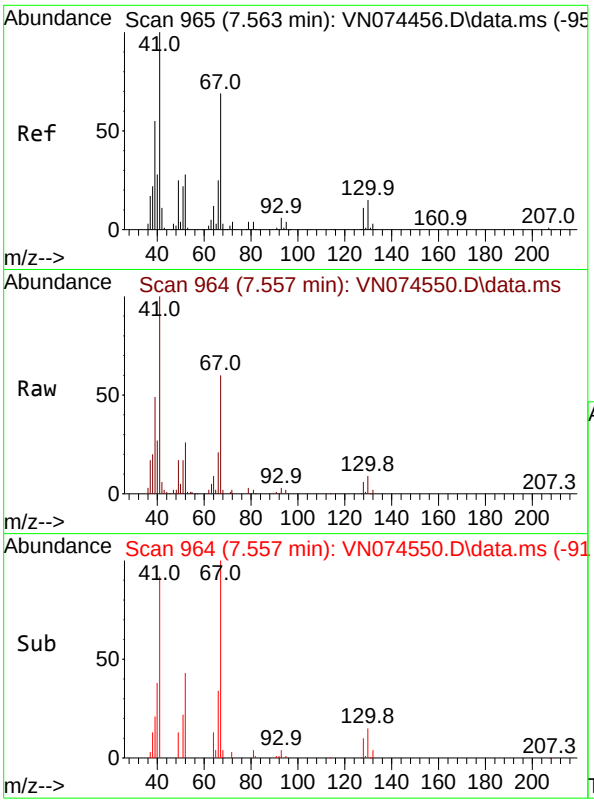


#40
Benzene
Concen: 55.284 ug/l
RT: 8.386 min Scan# 1105
Delta R.T. 0.000 min
Lab File: VN074550.D
Acq: 17 Sep 2022 12:40

Tgt Ion: 78 Resp: 791191

Ion	Ratio	Lower	Upper
78	100		
77	23.0	19.4	29.0

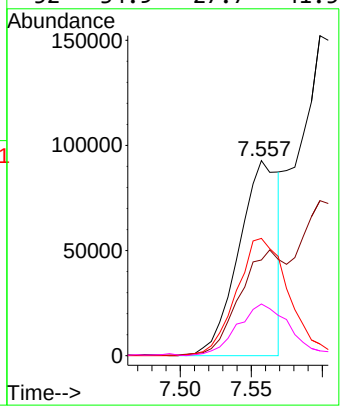




#41
Methacrylonitrile
Concen: 52.570 ug/l
RT: 7.557 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN074550.D
Acq: 17 Sep 2022 12:40

Tgt Ion: 41 Resp: 18165

Ion	Ratio	Lower	Upper
41	100		
39	61.6	48.6	73.0
67	80.0	73.4	110.2
52	34.9	27.7	41.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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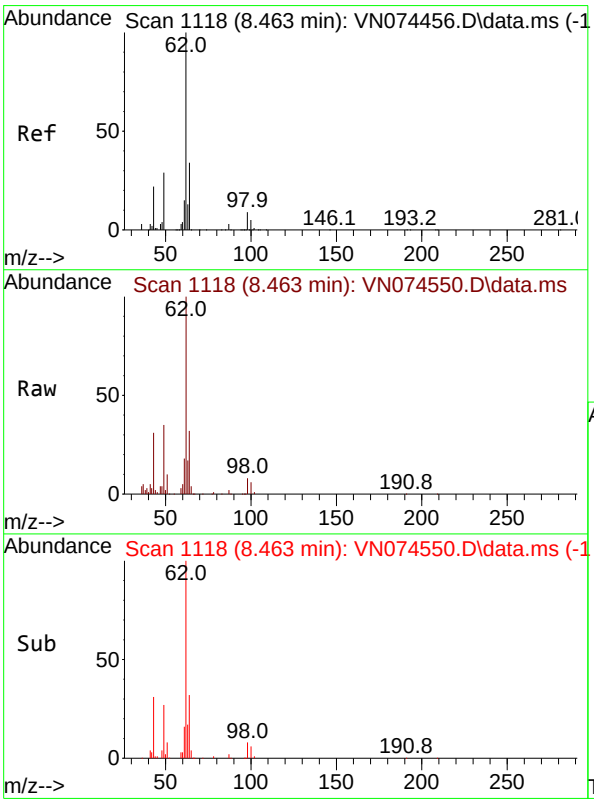
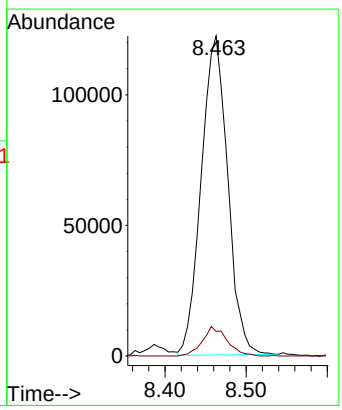
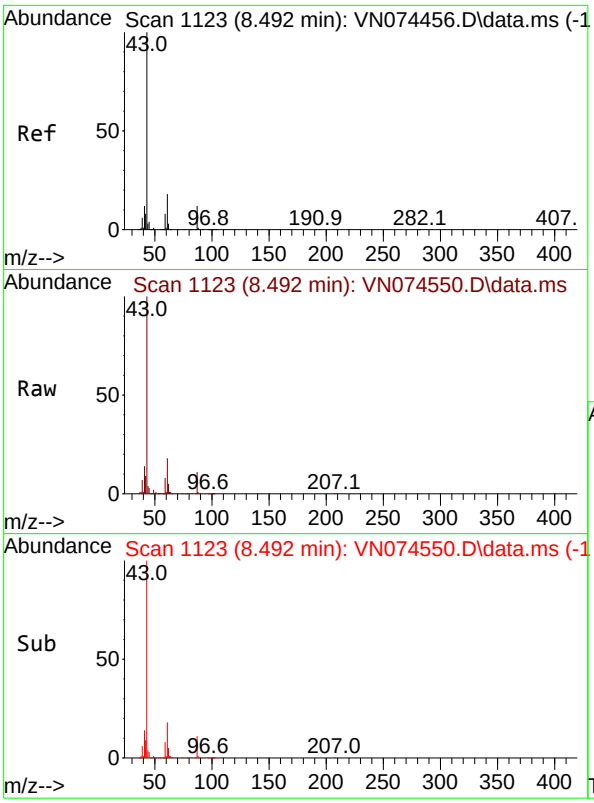


#42
1,2-Dichloroethane
Concen: 56.369 ug/l
RT: 8.463 min Scan# 1118
Delta R.T. -0.000 min
Lab File: VN074550.D
Acq: 17 Sep 2022 12:40

Tgt Ion: 62 Resp: 276838

Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	19.4





#43
Isopropyl Acetate
Concen: 57.858 ug/l
RT: 8.492 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074550.D
Acq: 17 Sep 2022 12:40

Tgt Ion: 43 Resp: 64775

Ion	Ratio	Lower	Upper
43	100		
61	22.4	21.9	32.9
87	10.9	12.0	18.0#

Instrument :
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ClientSampleId :
VSTDCCC050

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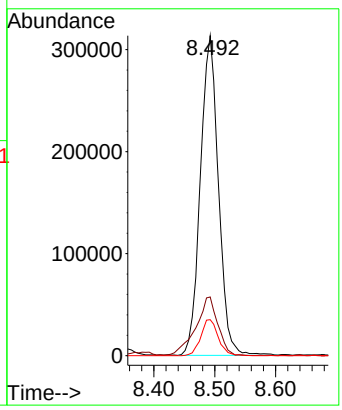
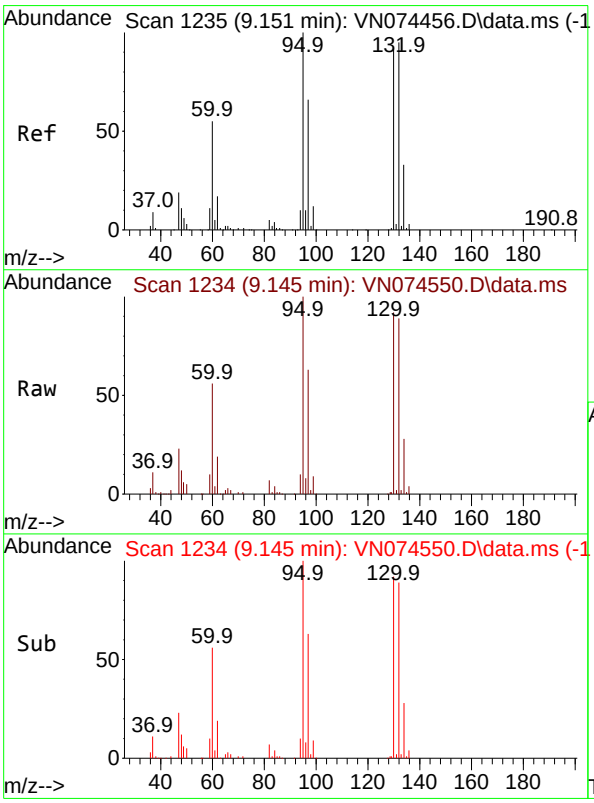
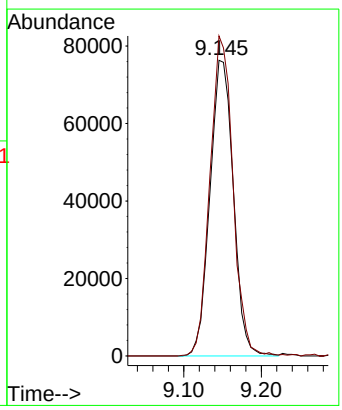


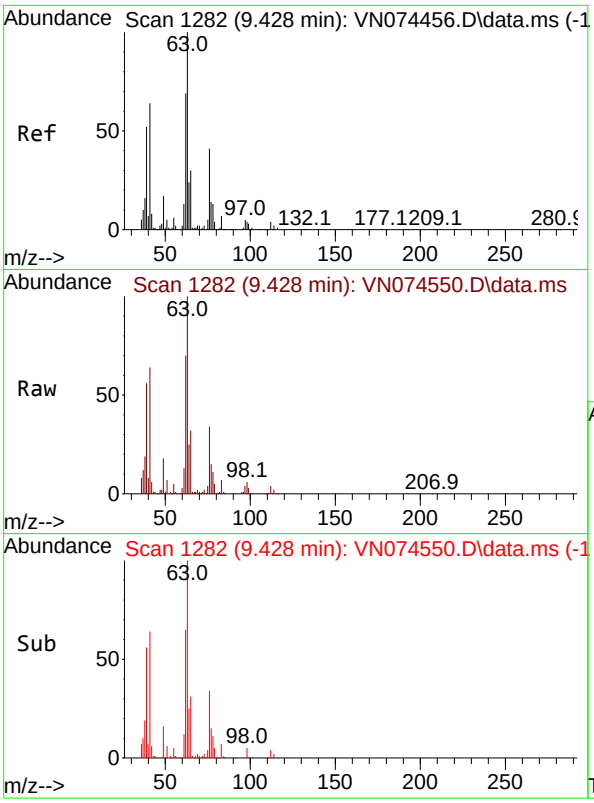


#44
Trichloroethene
Concen: 51.766 ug/l
RT: 9.145 min Scan# 1234
Delta R.T. -0.006 min
Lab File: VN074550.D
Acq: 17 Sep 2022 12:40

Tgt Ion:130 Resp: 160308

Ion	Ratio	Lower	Upper
130	100		
95	108.2	0.0	186.8





#45
1,2-Dichloropropane
Concen: 55.956 ug/l
RT: 9.428 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074550.D
Acq: 17 Sep 2022 12:40

Tgt Ion: 63 Resp: 22008

Ion	Ratio	Lower	Upper
63	100		
65	31.8	24.9	37.3

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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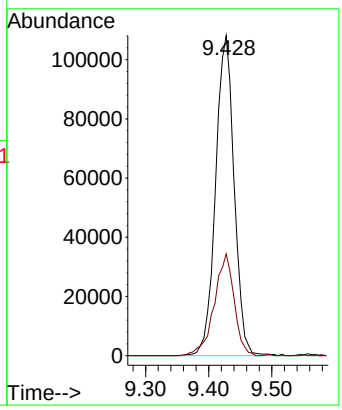
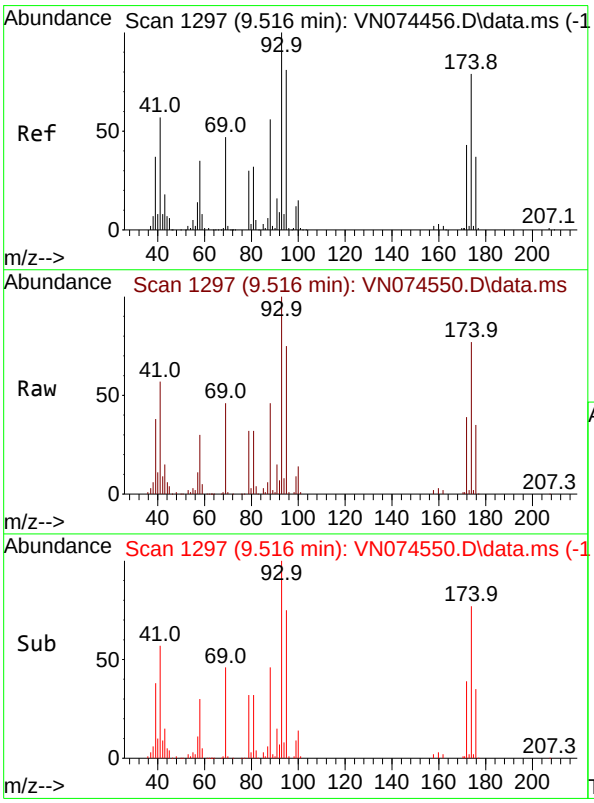
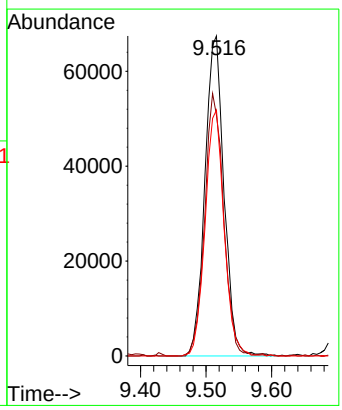


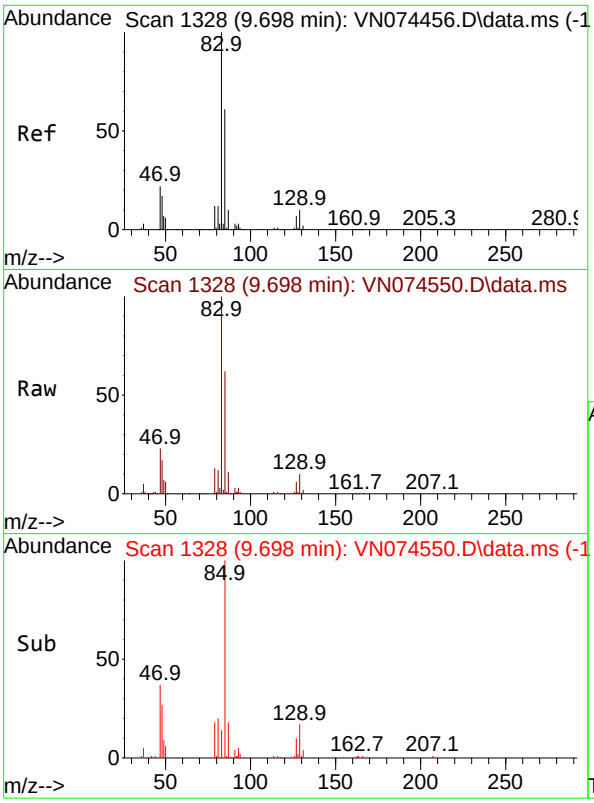


#46
Dibromomethane
Concen: 55.323 ug/l
RT: 9.516 min Scan# 1297
Delta R.T. -0.000 min
Lab File: VN074550.D
Acq: 17 Sep 2022 12:40

Tgt Ion: 93 Resp: 136278

Ion	Ratio	Lower	Upper
93	100		
95	81.3	66.9	100.3
174	76.7	86.6	130.0#

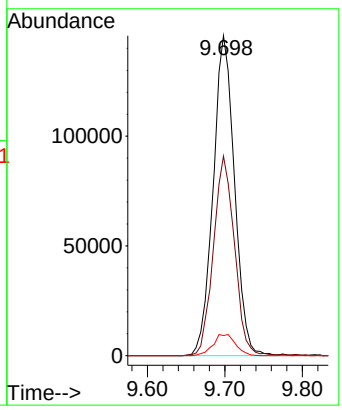




#47
Bromodichloromethane
Concen: 57.855 ug/l
RT: 9.698 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074550.D
Acq: 17 Sep 2022 12:40

Tgt Ion: 83 Resp: 27940

Ion	Ratio	Lower	Upper
83	100		
85	62.3	50.5	75.7
127	6.3	6.8	10.2



Instrument :
MSVOA_N
ClientSampleId :
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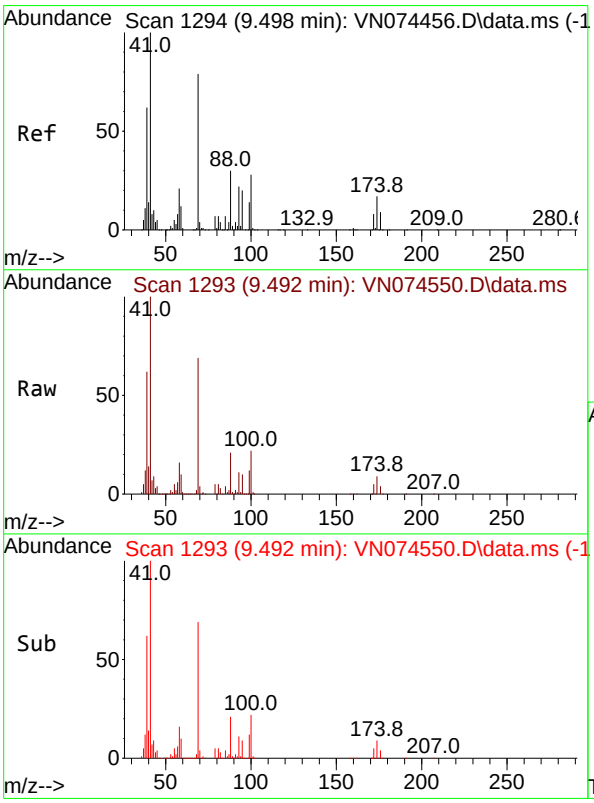
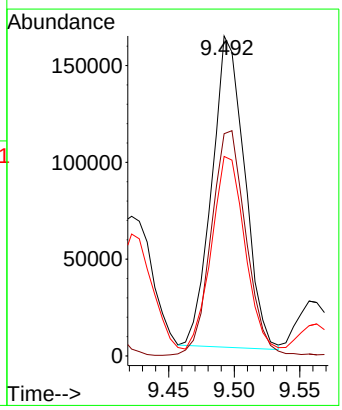
Supervised By :Mahesh Dadoda 09/19/2022

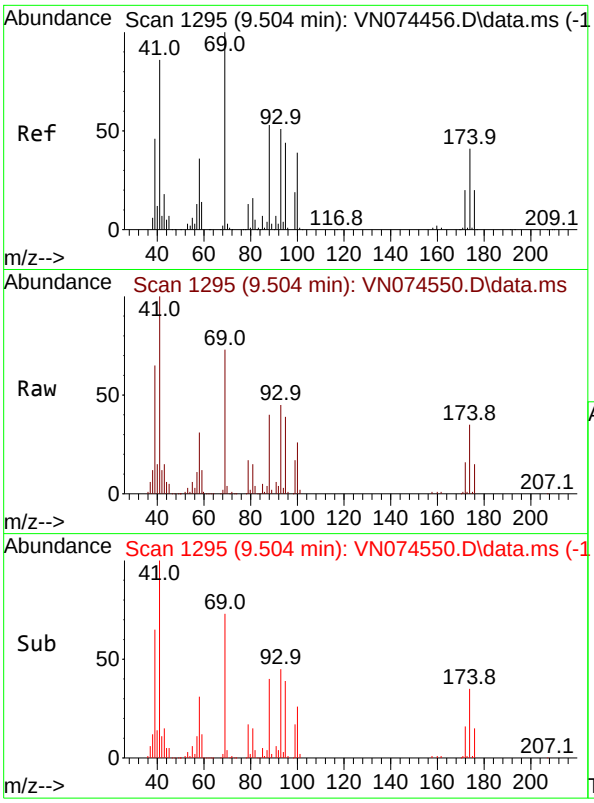


#48
Methyl methacrylate
Concen: 56.188 ug/l
RT: 9.492 min Scan# 1293
Delta R.T. -0.006 min
Lab File: VN074550.D
Acq: 17 Sep 2022 12:40

Tgt Ion: 41 Resp: 278928

Ion	Ratio	Lower	Upper
41	100		
69	77.1	74.7	112.1
39	67.6	45.6	68.4

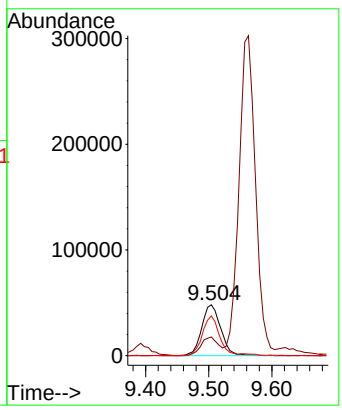




#49
1,4-Dioxane
Concen: 1055.723 ug/l
RT: 9.504 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074550.D
Acq: 17 Sep 2022 12:40

Tgt Ion: 88 Resp: 10075

Ion	Ratio	Lower	Upper
88	100		
43	33.7	20.2	30.4
58	69.1	54.2	81.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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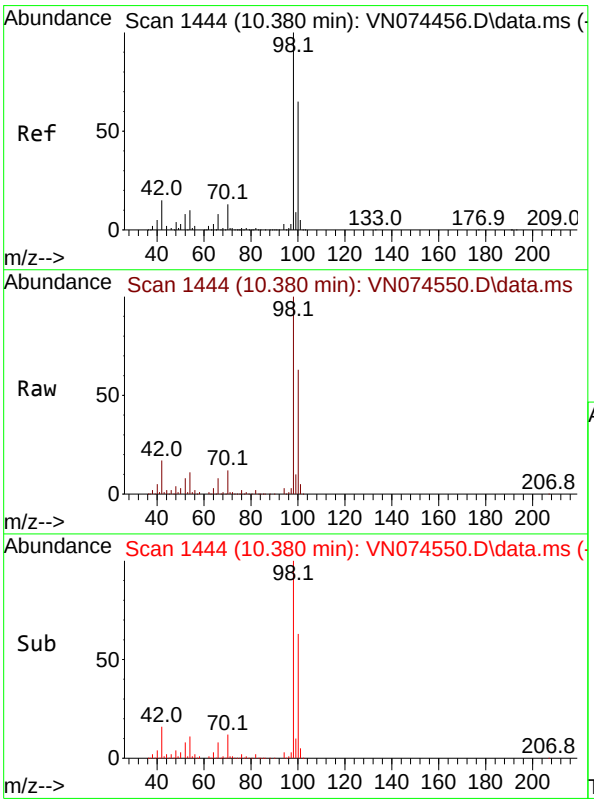
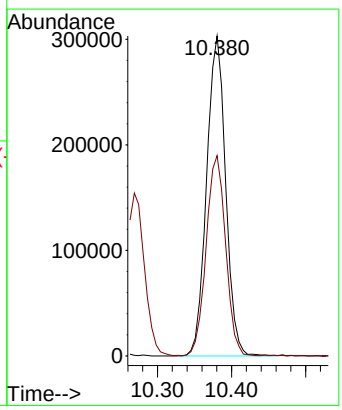
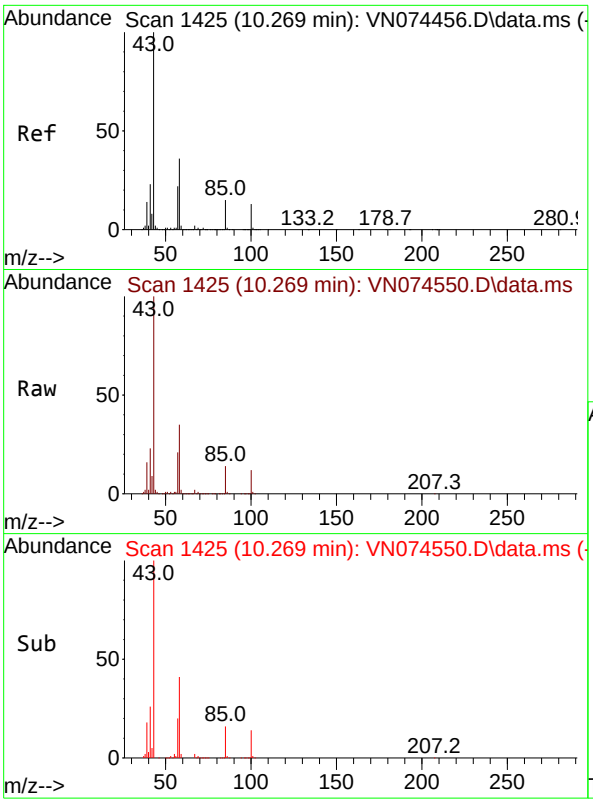


#50
Toluene-d8
Concen: 53.444 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074550.D
Acq: 17 Sep 2022 12:40

Tgt Ion: 98 Resp: 540428

Ion	Ratio	Lower	Upper
98	100		
100	63.8	52.6	78.8





#51
4-Methyl-2-Pentanone
Concen: 305.203 ug/l
RT: 10.269 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN074550.D
Acq: 17 Sep 2022 12:40

Tgt Ion: 43 Resp: 223130

Ion	Ratio	Lower	Upper
43	100		
58	34.5	34.1	51.1

Instrument :
MSVOA_N
ClientSampleId :
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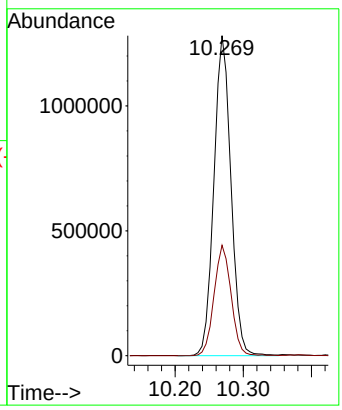
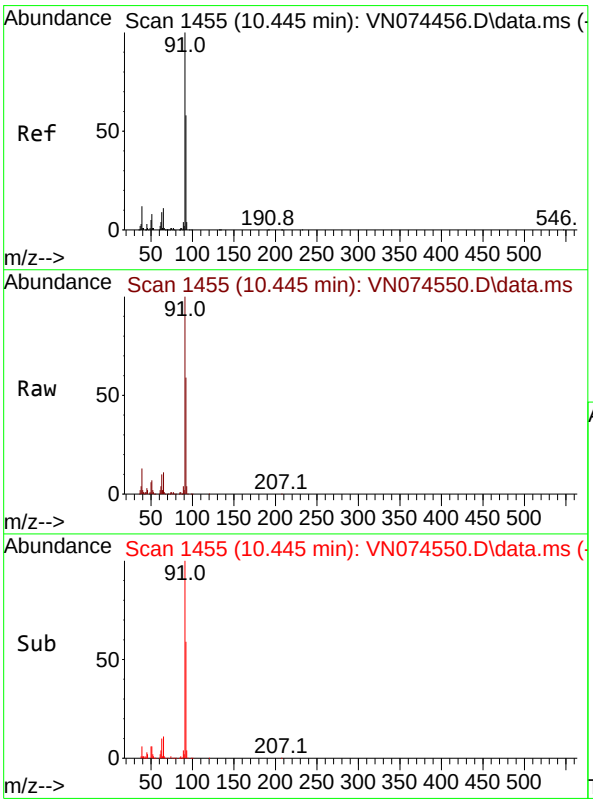
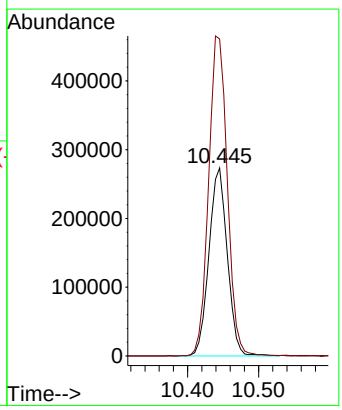


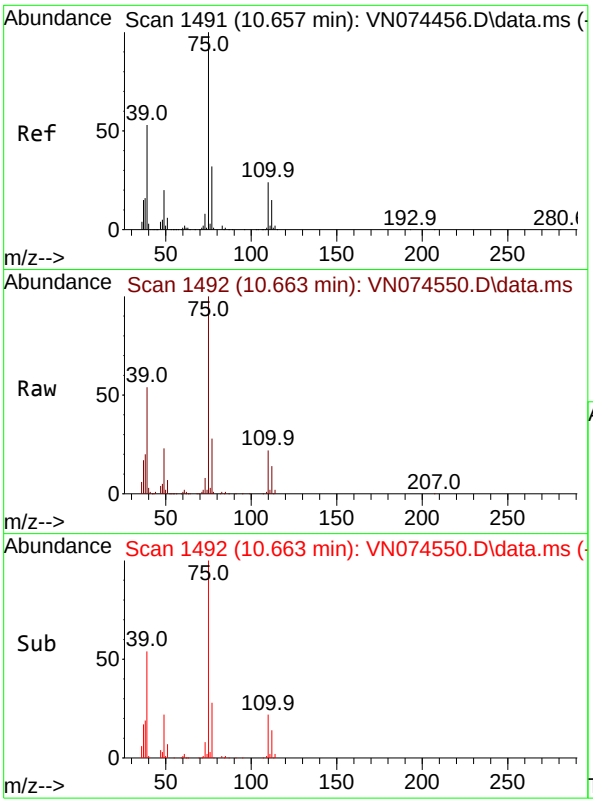


#52
Toluene
Concen: 58.369 ug/l
RT: 10.445 min Scan# 1455
Delta R.T. 0.000 min
Lab File: VN074550.D
Acq: 17 Sep 2022 12:40

Tgt Ion: 92 Resp: 489844

Ion	Ratio	Lower	Upper
92	100		
91	173.5	138.6	207.8





#53
t-1,3-Dichloropropene
Concen: 54.673 ug/l
RT: 10.663 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN074550.D
Acq: 17 Sep 2022 12:40

Tgt Ion: 75 Resp: 30773

Ion	Ratio	Lower	Upper
75	100		
77	27.7	25.6	38.4

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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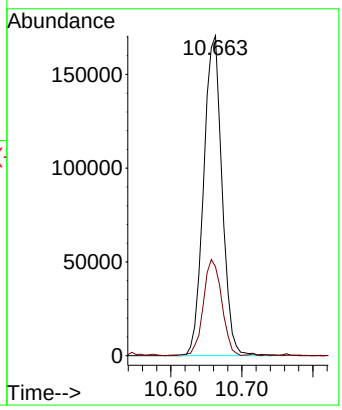
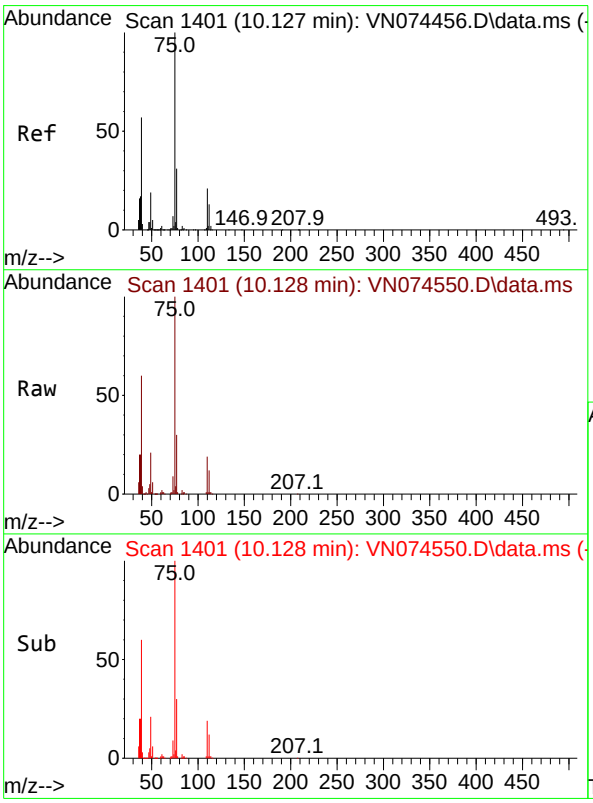
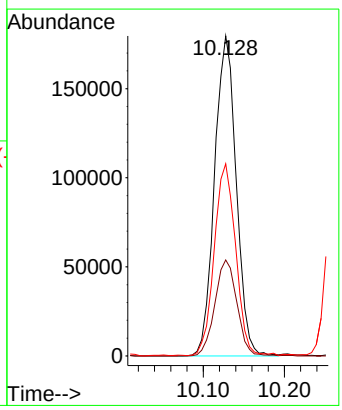


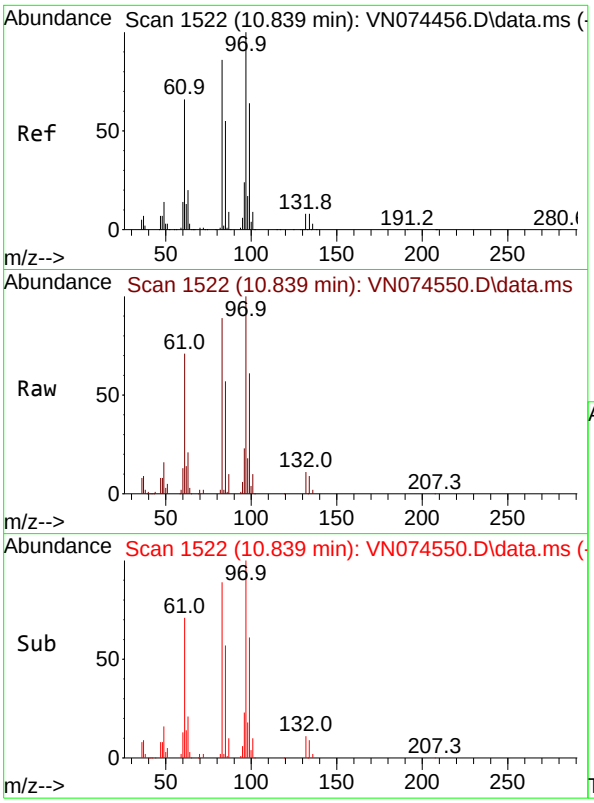


#54
cis-1,3-Dichloropropene
Concen: 55.293 ug/l
RT: 10.128 min Scan# 1401
Delta R.T. 0.001 min
Lab File: VN074550.D
Acq: 17 Sep 2022 12:40

Tgt Ion: 75 Resp: 333055

Ion	Ratio	Lower	Upper
75	100		
77	30.0	25.2	37.8
39	59.9	35.7	53.5#

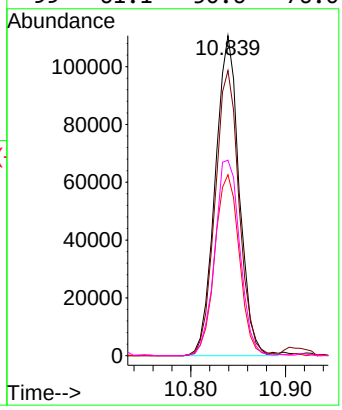




#55
1,1,2-Trichloroethane
Concen: 54.894 ug/l
RT: 10.839 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074550.D
Acq: 17 Sep 2022 12:40

Tgt Ion: 97 Resp: 19513

Ion	Ratio	Lower	Upper
97	100		
83	89.1	66.2	99.4
85	56.5	43.9	65.9
99	61.1	50.6	76.0



Instrument :
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ClientSampleId :
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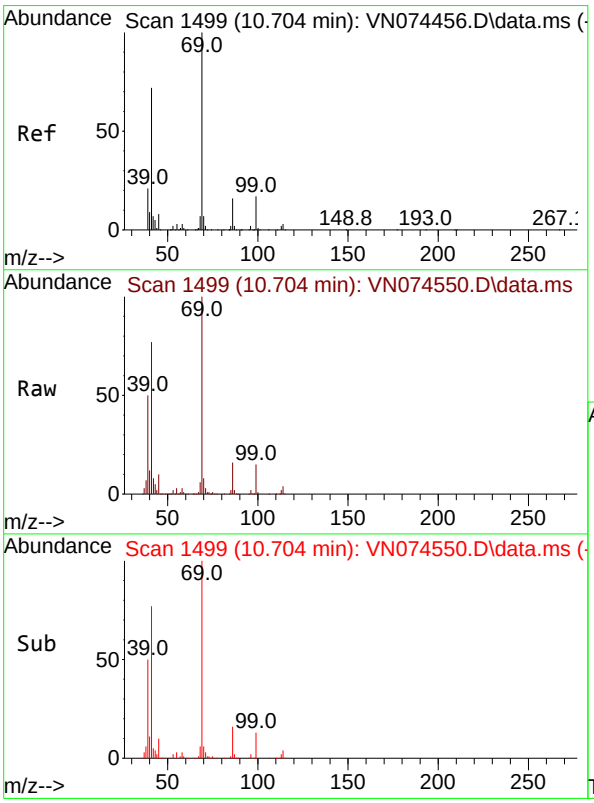
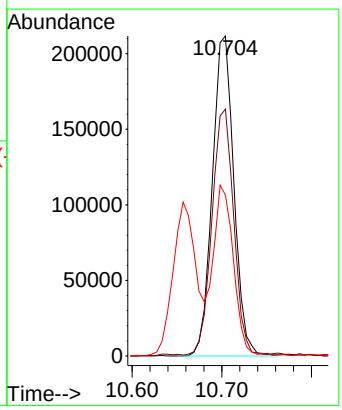
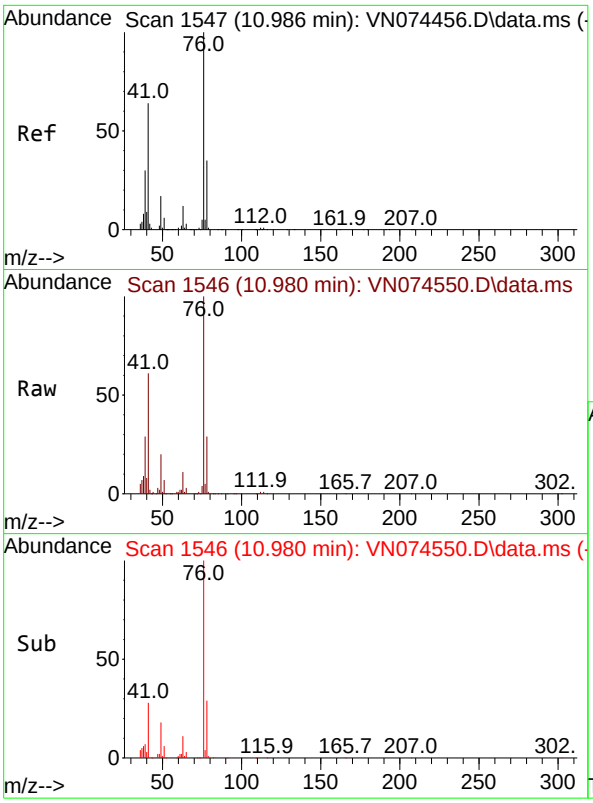


#56
Ethyl methacrylate
Concen: 55.663 ug/l
RT: 10.704 min Scan# 1499
Delta R.T. -0.000 min
Lab File: VN074550.D
Acq: 17 Sep 2022 12:40

Tgt Ion: 69 Resp: 353446

Ion	Ratio	Lower	Upper
69	100		
41	77.4	47.8	71.6#
39	50.2	27.3	40.9#





#57
1,3-Dichloropropane
Concen: 56.497 ug/l
RT: 10.980 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN074550.D
Acq: 17 Sep 2022 12:40

Tgt Ion: 76 Resp: 35212

Ion	Ratio	Lower	Upper
76	100		
78	32.3	26.2	39.2

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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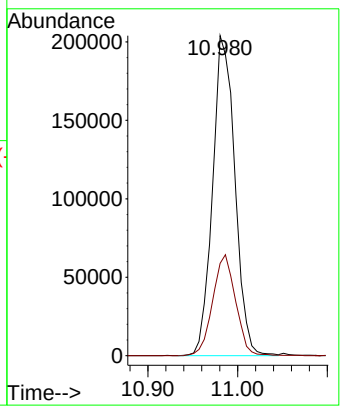
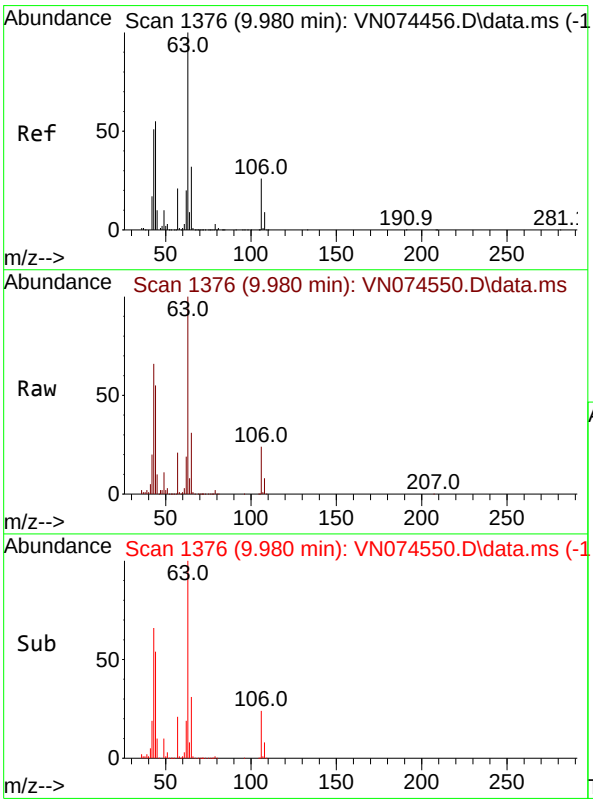
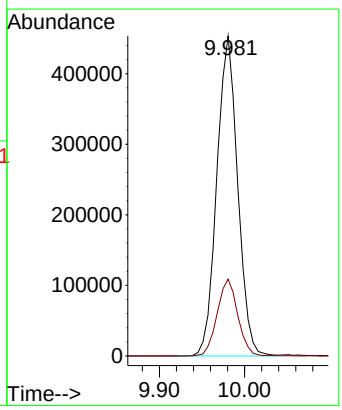


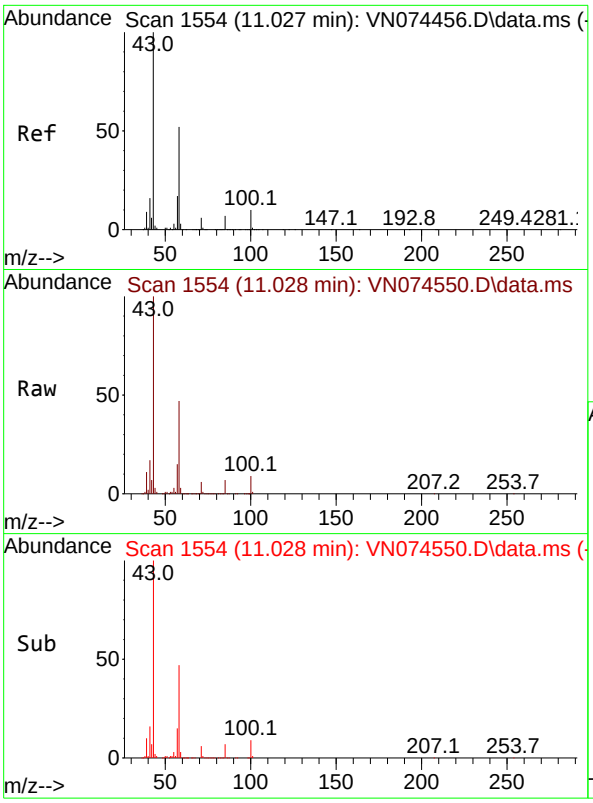


#58
2-Chloroethyl Vinyl ether
Concen: 276.250 ug/l
RT: 9.980 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VN074550.D
Acq: 17 Sep 2022 12:40

Tgt Ion: 63 Resp: 771981

Ion	Ratio	Lower	Upper
63	100		
106	23.7	24.6	36.8#





#59
2-Hexanone
Concen: 308.503 ug/l
RT: 11.028 min Scan# 1
Delta R.T. 0.001 min
Lab File: VN074550.D
Acq: 17 Sep 2022 12:40

Tgt Ion: 43 Resp: 172177

Ion	Ratio	Lower	Upper
43	100		
58	48.3	29.7	89.1

Instrument :
MSVOA_N
ClientSampleId :
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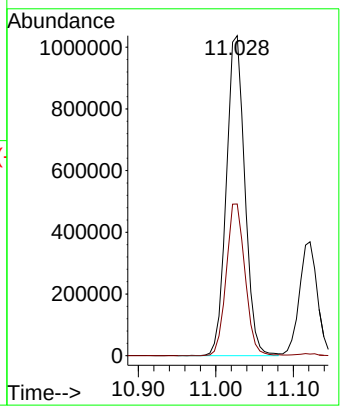
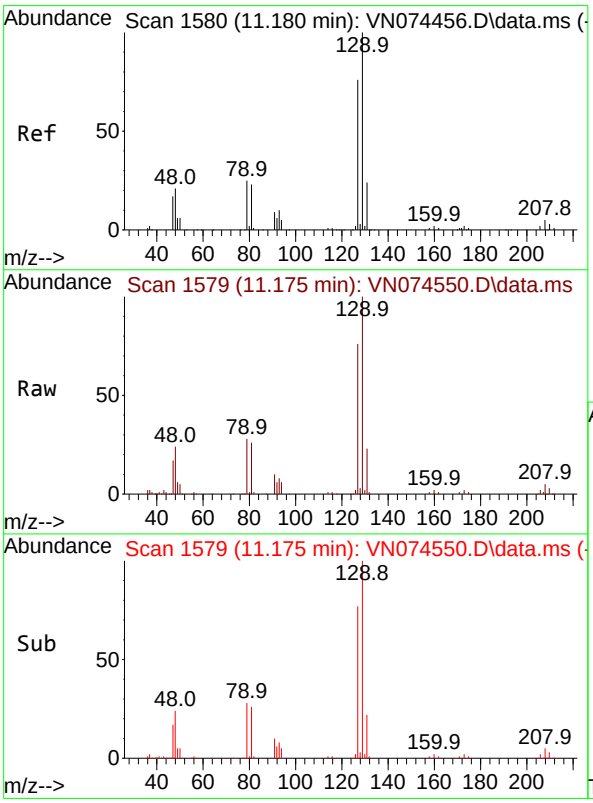
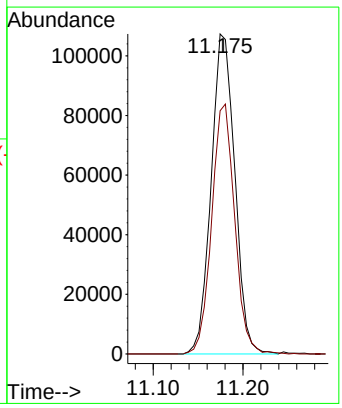


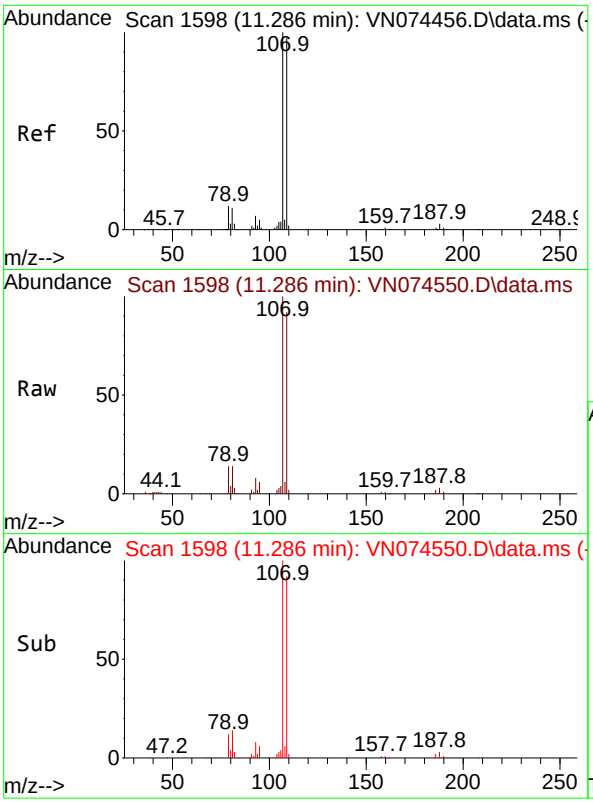


#60
Dibromochloromethane
Concen: 57.816 ug/l
RT: 11.175 min Scan# 1579
Delta R.T. -0.005 min
Lab File: VN074550.D
Acq: 17 Sep 2022 12:40

Tgt Ion:129 Resp: 196749

Ion	Ratio	Lower	Upper
129	100		
127	75.9	38.8	116.4

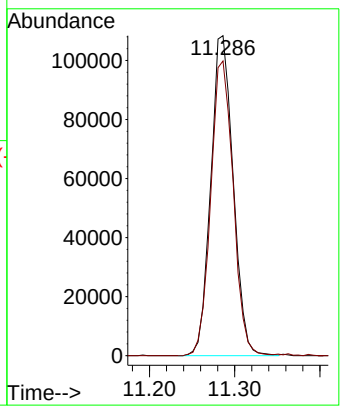




#61
1,2-Dibromoethane
Concen: 57.342 ug/l
RT: 11.286 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074550.D
Acq: 17 Sep 2022 12:40

Tgt Ion:107 Resp: 19802

Ion	Ratio	Lower	Upper
107	100		
109	92.4	75.0	112.6



Instrument :
MSVOA_N
ClientSampleId :
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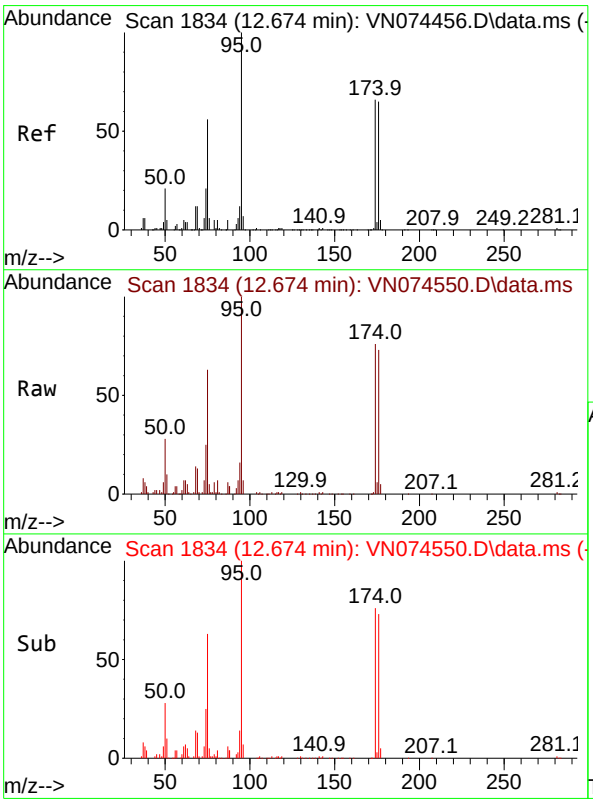
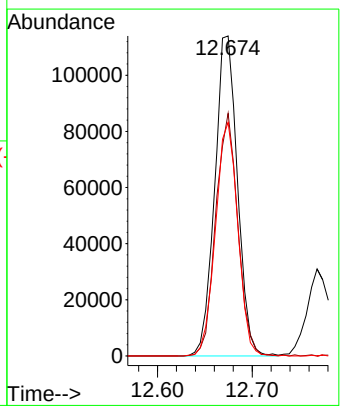
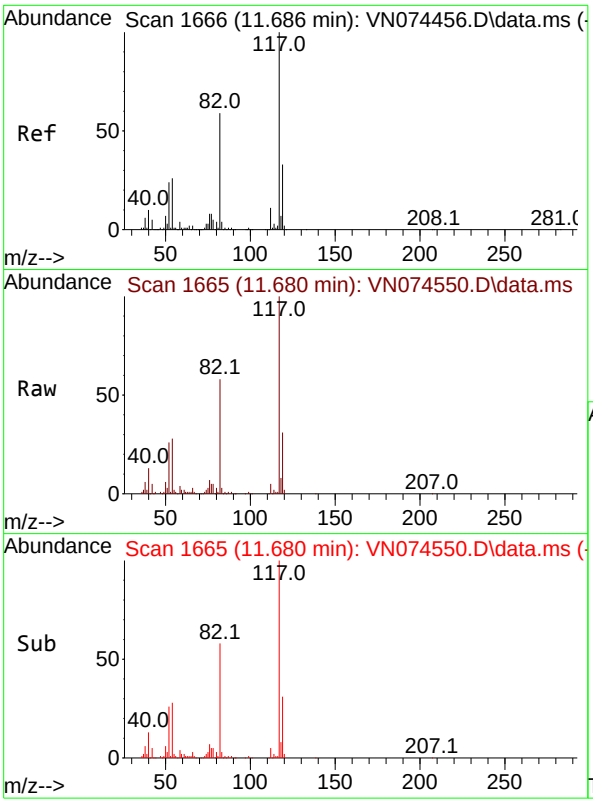


#62
4-Bromofluorobenzene
Concen: 54.895 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN074550.D
Acq: 17 Sep 2022 12:40

Tgt Ion: 95 Resp: 190117

Ion	Ratio	Lower	Upper
95	100		
174	73.6	0.0	167.6
176	71.8	0.0	163.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.680 min Scan# 1(
Delta R.T. -0.006 min
Lab File: VN074550.D
Acq: 17 Sep 2022 12:40

Tgt Ion:117 Resp: 37115

Ion	Ratio	Lower	Upper
117	100		
82	58.4	44.2	66.2
119	31.4	25.4	38.0

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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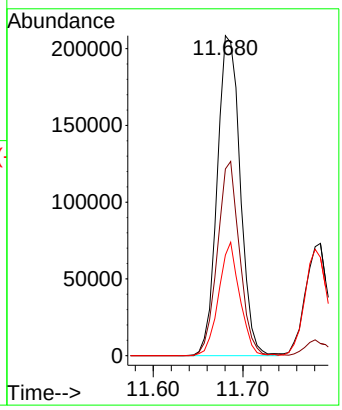
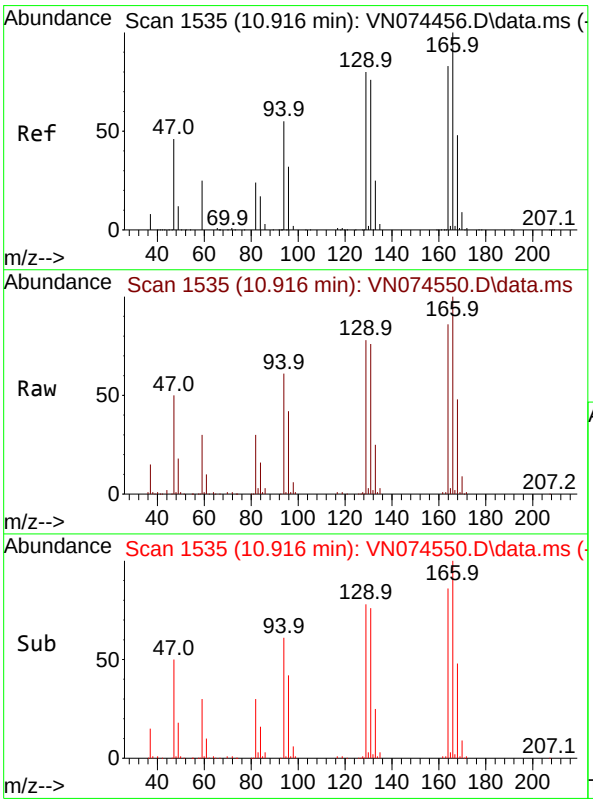
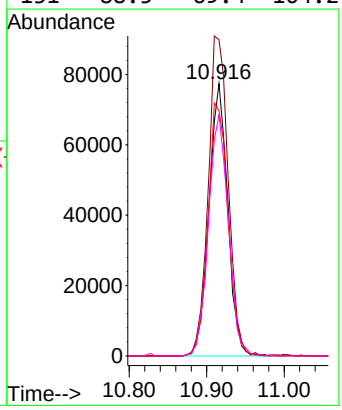


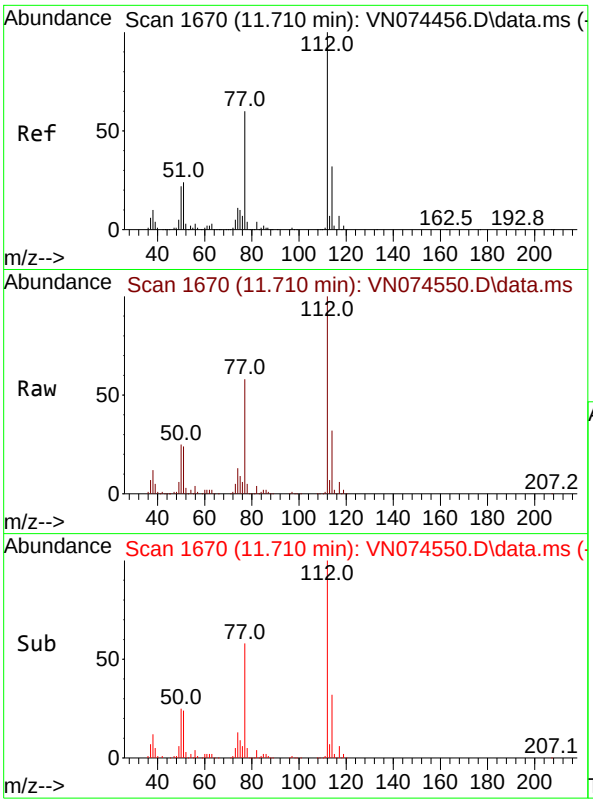


#64
Tetrachloroethene
Concen: 51.320 ug/l
RT: 10.916 min Scan# 1535
Delta R.T. -0.000 min
Lab File: VN074550.D
Acq: 17 Sep 2022 12:40

Tgt Ion:164 Resp: 130720

Ion	Ratio	Lower	Upper
164	100		
166	116.2	104.2	156.2
129	90.0	73.9	110.9
131	88.5	69.4	104.2

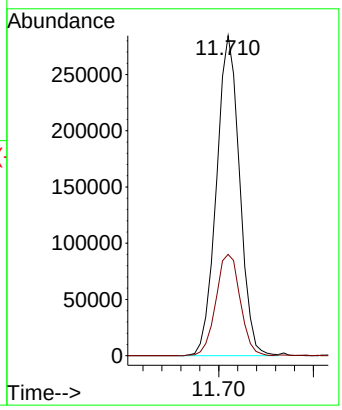




#65
Chlorobenzene
Concen: 51.899 ug/l
RT: 11.710 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074550.D
Acq: 17 Sep 2022 12:40

Tgt Ion:112 Resp: 48357

Ion	Ratio	Lower	Upper
112	100		
114	31.7	25.4	38.2



Instrument :
MSVOA_N
ClientSampleId :
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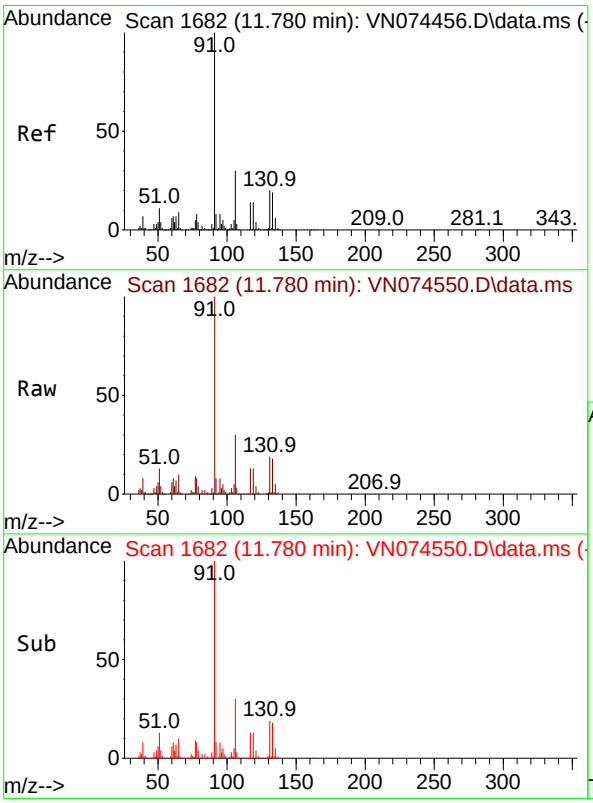
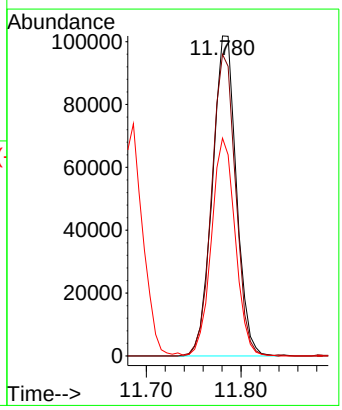
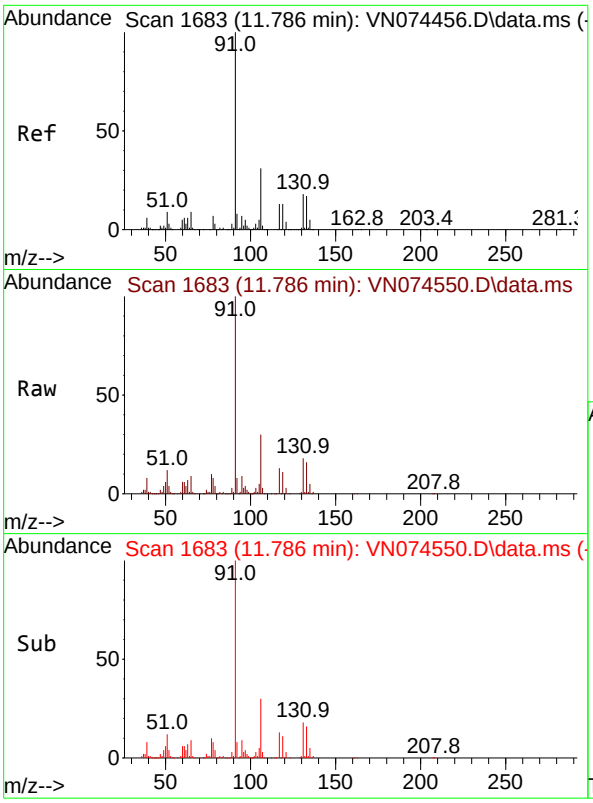


#66
1,1,1,2-Tetrachloroethane
Concen: 52.890 ug/l
RT: 11.780 min Scan# 1682
Delta R.T. 0.000 min
Lab File: VN074550.D
Acq: 17 Sep 2022 12:40

Tgt Ion:131 Resp: 179054

Ion	Ratio	Lower	Upper
131	100		
133	94.1	47.8	143.4
119	67.3	33.4	100.2





#67
Ethyl Benzene
Concen: 55.207 ug/l
RT: 11.786 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074550.D
Acq: 17 Sep 2022 12:40

Tgt Ion: 91 Resp: 94443

Ion	Ratio	Lower	Upper
91	100		
106	29.6	24.9	37.3

Instrument :
MSVOA_N
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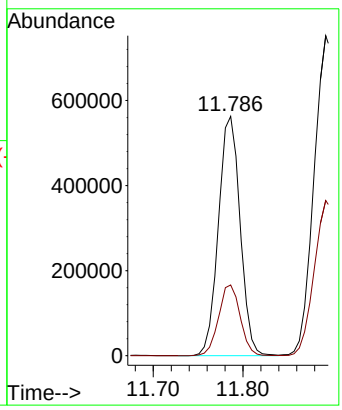
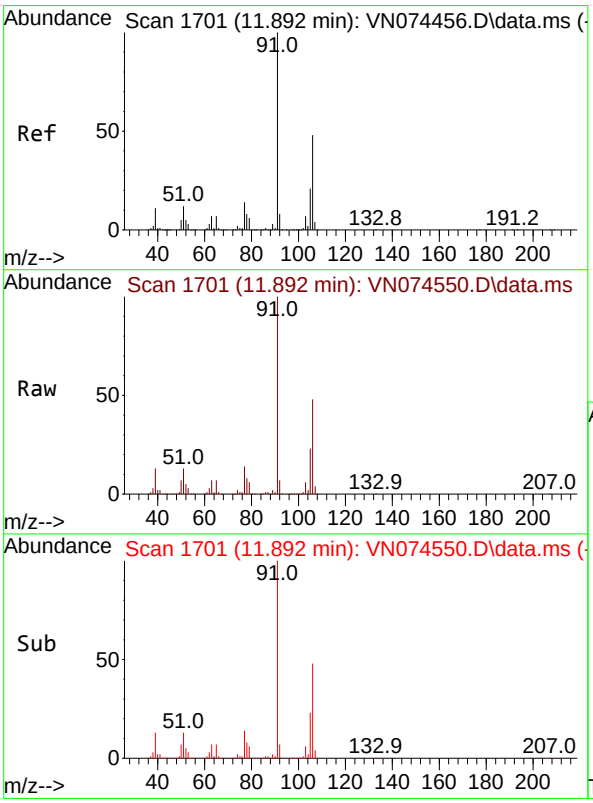
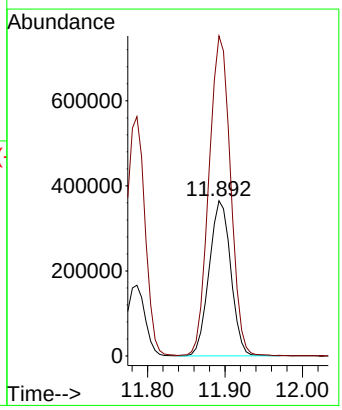


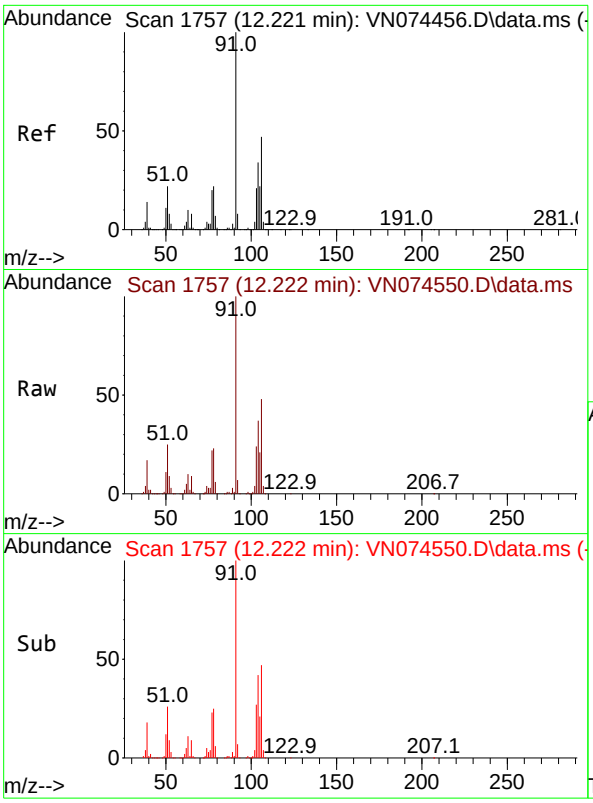


#68
m/p-Xylenes
Concen: 111.963 ug/l
RT: 11.892 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN074550.D
Acq: 17 Sep 2022 12:40

Tgt Ion:106 Resp: 708168

Ion	Ratio	Lower	Upper
106	100		
91	206.3	158.9	238.3





#69
o-Xylene
Concen: 55.810 ug/l
RT: 12.222 min Scan# 1
Delta R.T. 0.001 min
Lab File: VN074550.D
Acq: 17 Sep 2022 12:40

Tgt Ion:106 Resp: 35991

Ion	Ratio	Lower	Upper
106	100		
91	215.2	106.0	318.0

Instrument :
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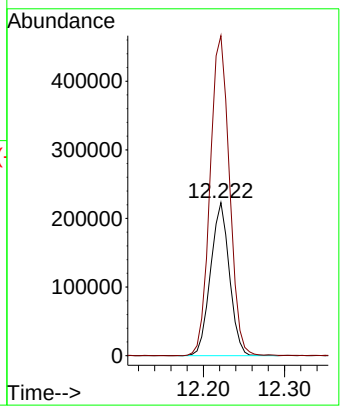
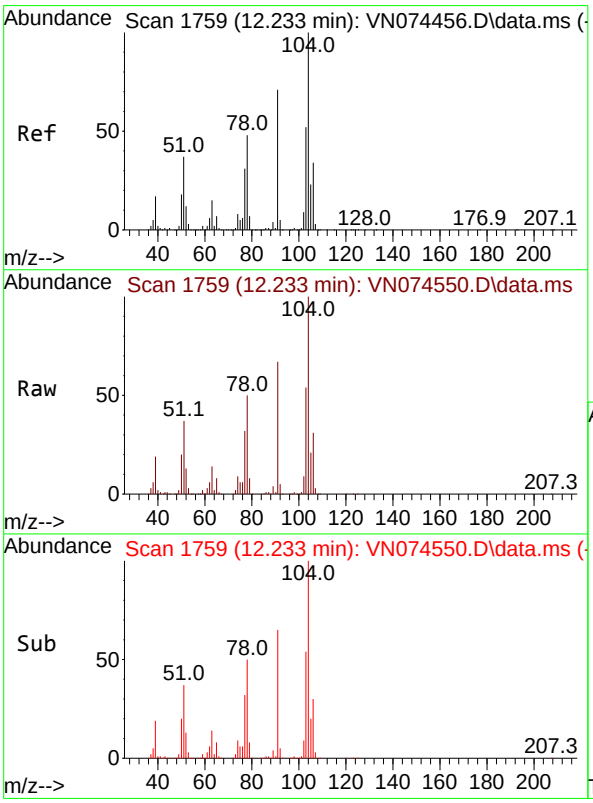
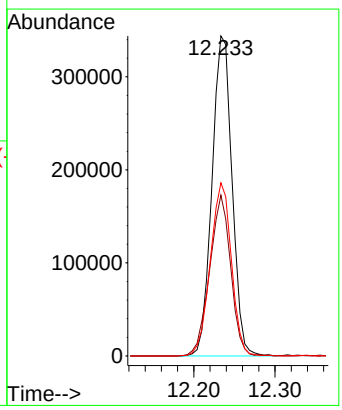


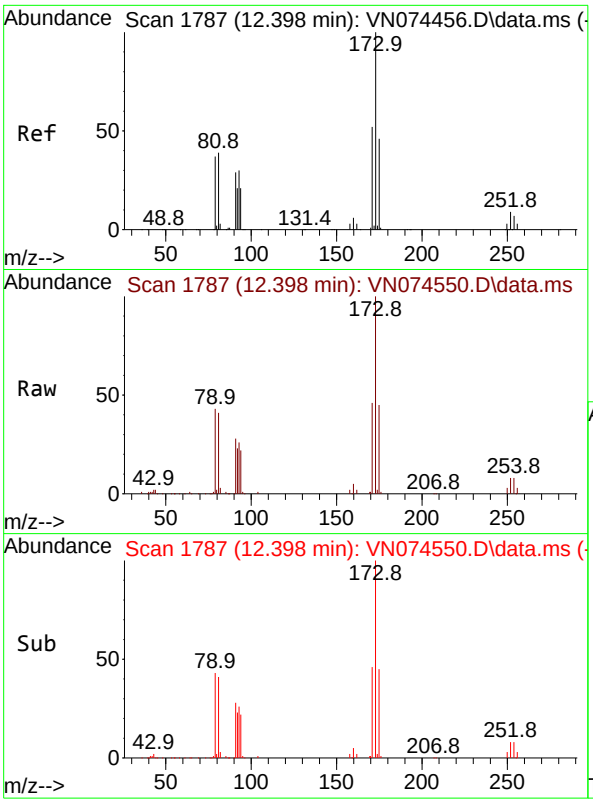


#70
Styrene
Concen: 55.120 ug/l
RT: 12.233 min Scan# 1759
Delta R.T. 0.000 min
Lab File: VN074550.D
Acq: 17 Sep 2022 12:40

Tgt Ion:104 Resp: 591296

Ion	Ratio	Lower	Upper
104	100		
78	52.6	39.5	59.3
103	56.8	44.0	66.0

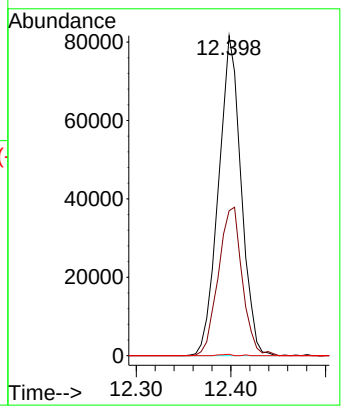




#71
Bromoform
Concen: 54.425 ug/l
RT: 12.398 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074550.D
Acq: 17 Sep 2022 12:40

Tgt Ion:173 Resp: 13541

Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.6	73.6
254	0.2	0.1	0.1#



Instrument :
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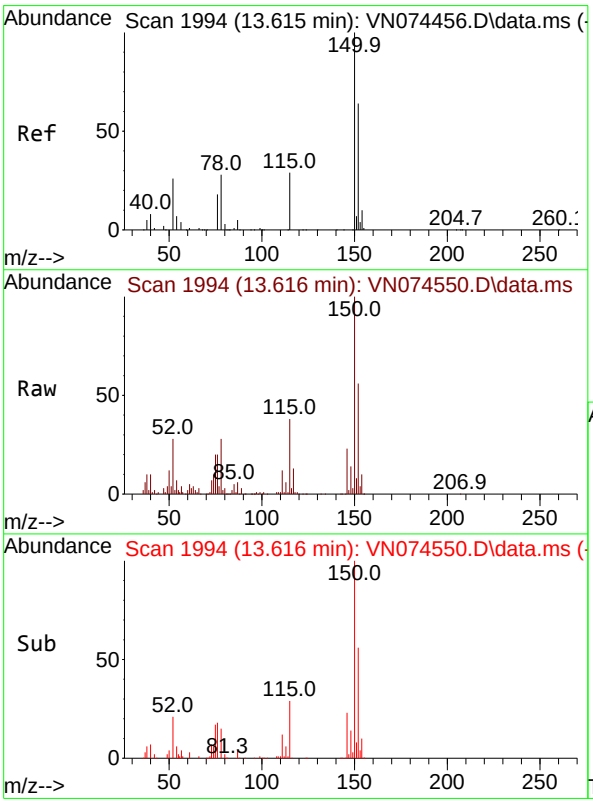
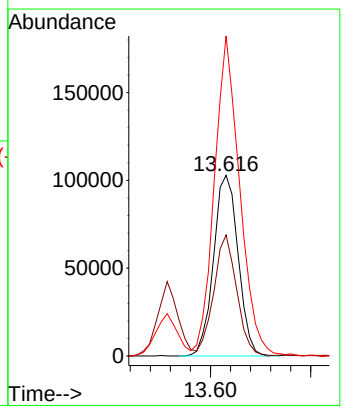
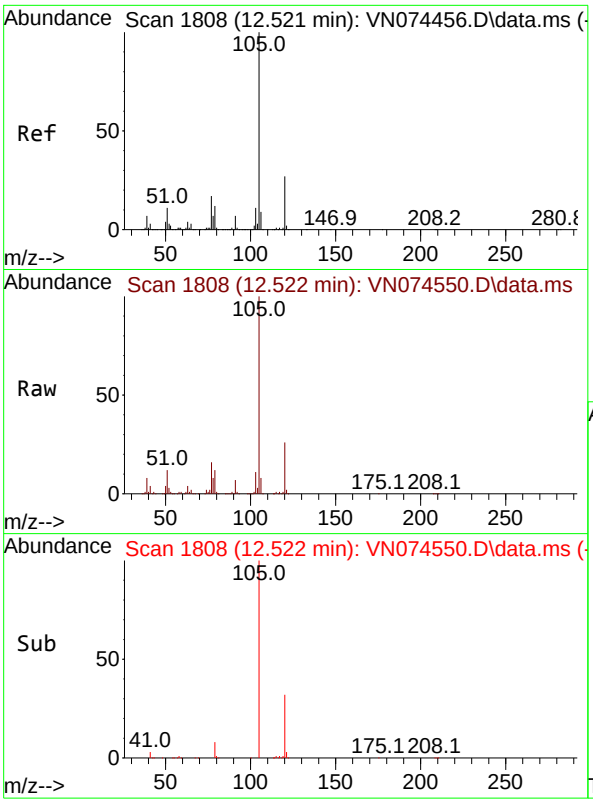


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1994
Delta R.T. 0.001 min
Lab File: VN074550.D
Acq: 17 Sep 2022 12:40

Tgt Ion:152 Resp: 175070

Ion	Ratio	Lower	Upper
152	100		
115	62.4	28.9	86.7
150	182.9	0.0	356.2





#73
Isopropylbenzene
Concen: 50.986 ug/l
RT: 12.522 min Scan# 1
Delta R.T. 0.001 min
Lab File: VN074550.D
Acq: 17 Sep 2022 12:40

Tgt Ion:105 Resp: 91397

Ion	Ratio	Lower	Upper
105	100		
120	26.6	13.5	40.4

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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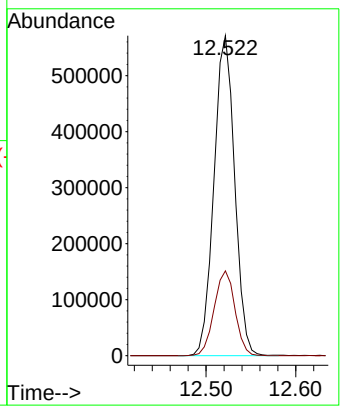
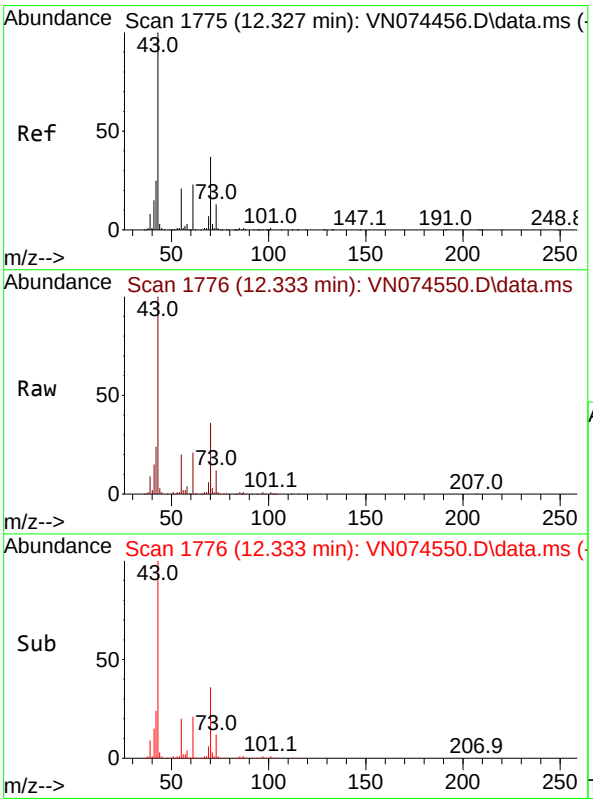
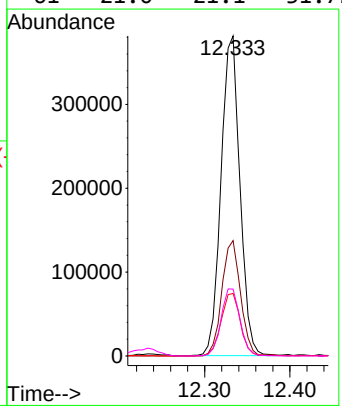


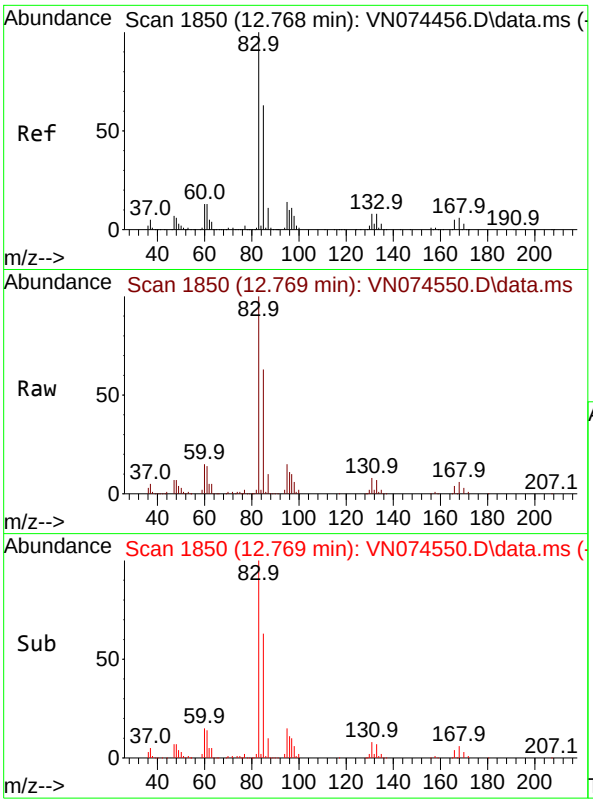


#74
N-amyl acetate
Concen: 52.438 ug/l
RT: 12.333 min Scan# 1776
Delta R.T. 0.006 min
Lab File: VN074550.D
Acq: 17 Sep 2022 12:40

Tgt Ion: 43 Resp: 587727

Ion	Ratio	Lower	Upper
43	100		
70	35.7	39.0	58.4#
55	20.1	21.1	31.7#
61	21.0	21.1	31.7#





#75
1,1,2,2-Tetrachloroethane
Concen: 48.637 ug/l
RT: 12.769 min Scan# 1
Delta R.T. 0.001 min
Lab File: VN074550.D
Acq: 17 Sep 2022 12:40

Tgt Ion: 83 Resp: 34939

Ion	Ratio	Lower	Upper
83	100		
131	8.0	5.3	15.9
85	63.9	32.3	96.9

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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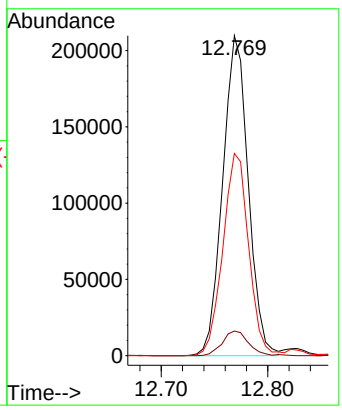
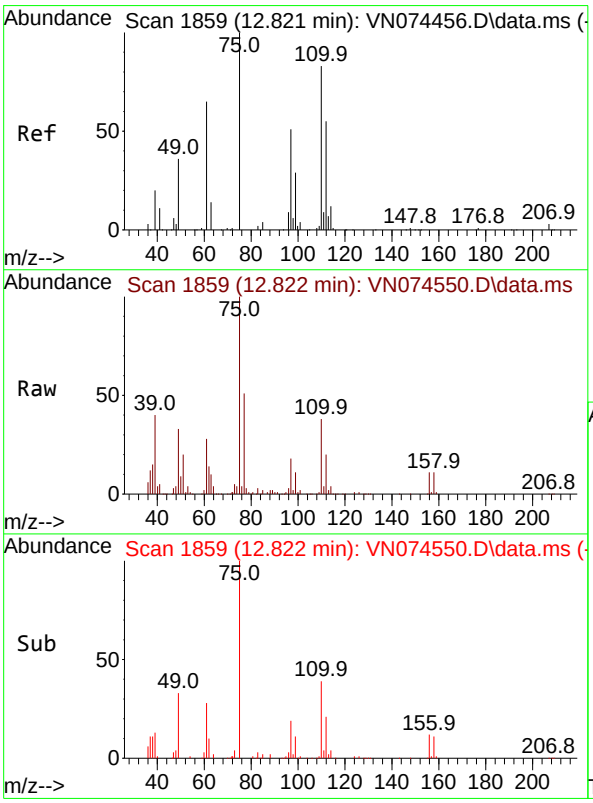
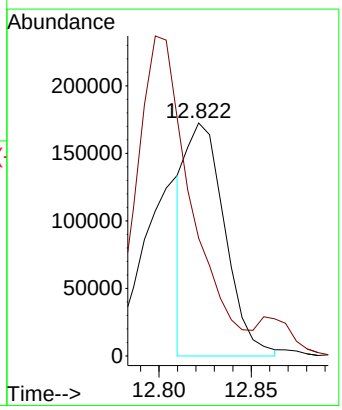


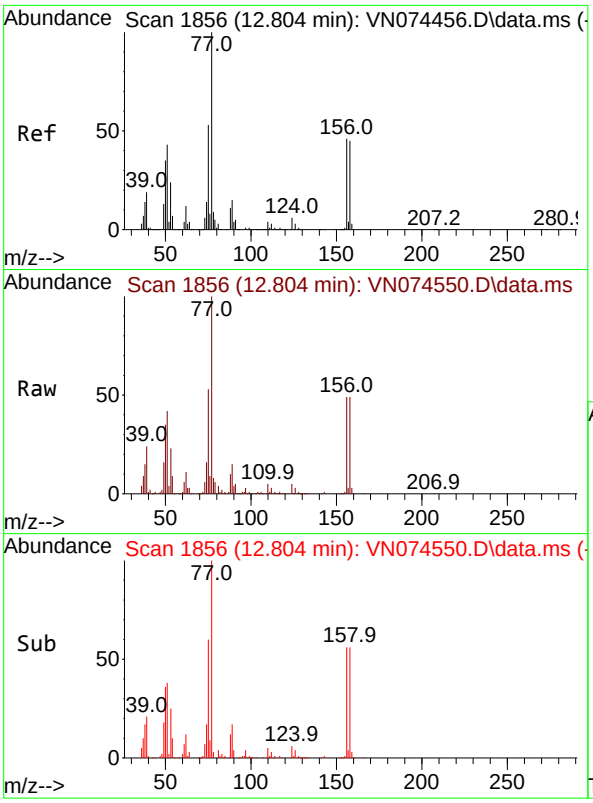


#76
1,2,3-Trichloropropane
Concen: 47.422 ug/l m
RT: 12.822 min Scan# 1859
Delta R.T. 0.001 min
Lab File: VN074550.D
Acq: 17 Sep 2022 12:40

Tgt Ion: 75 Resp: 255548

Ion	Ratio	Lower	Upper
75	100		
77	0.0	98.5	295.5#

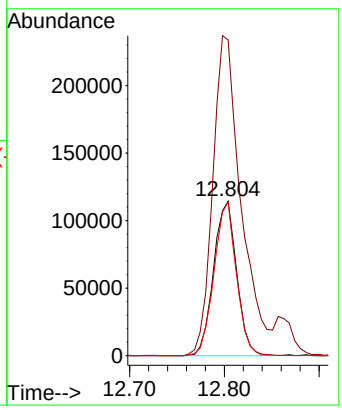




#77
Bromobenzene
Concen: 50.475 ug/l
RT: 12.804 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074550.D
Acq: 17 Sep 2022 12:40

Tgt Ion:156 Resp: 19328

Ion	Ratio	Lower	Upper
156	100		
77	255.2	100.5	301.5
158	96.3	48.9	146.6



Instrument :
MSVOA_N
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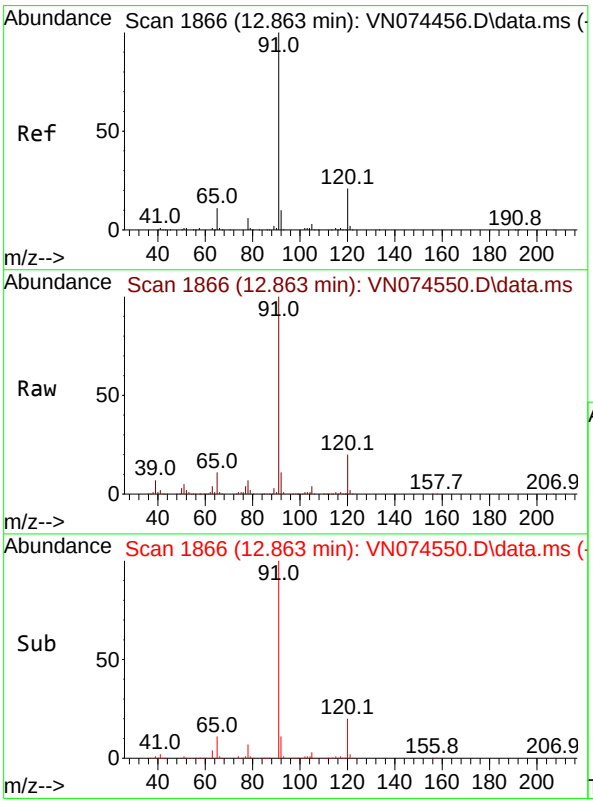
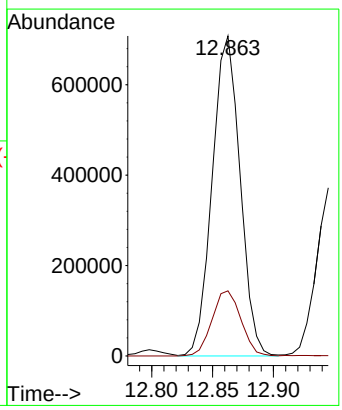
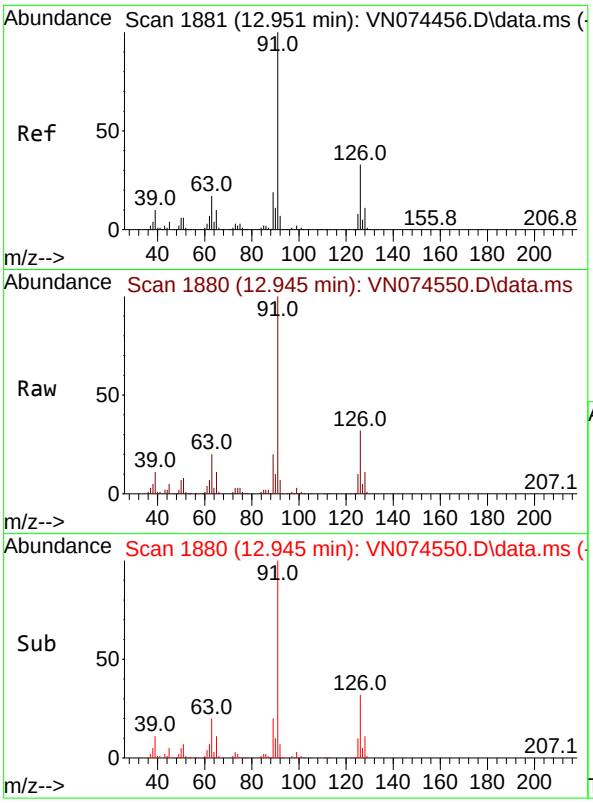


#78
n-propylbenzene
Concen: 52.785 ug/l
RT: 12.863 min Scan# 1866
Delta R.T. -0.000 min
Lab File: VN074550.D
Acq: 17 Sep 2022 12:40

Tgt Ion: 91 Resp: 1126965

Ion	Ratio	Lower	Upper
91	100		
120	21.1	11.9	35.5





#79
2-Chlorotoluene
Concen: 50.202 ug/l
RT: 12.945 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN074550.D
Acq: 17 Sep 2022 12:40

Tgt Ion: 91 Resp: 63982

Ion	Ratio	Lower	Upper
91	100		
126	32.4	17.3	51.9

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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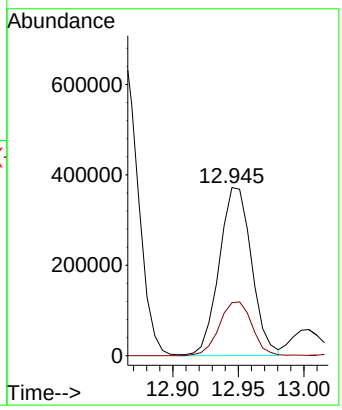
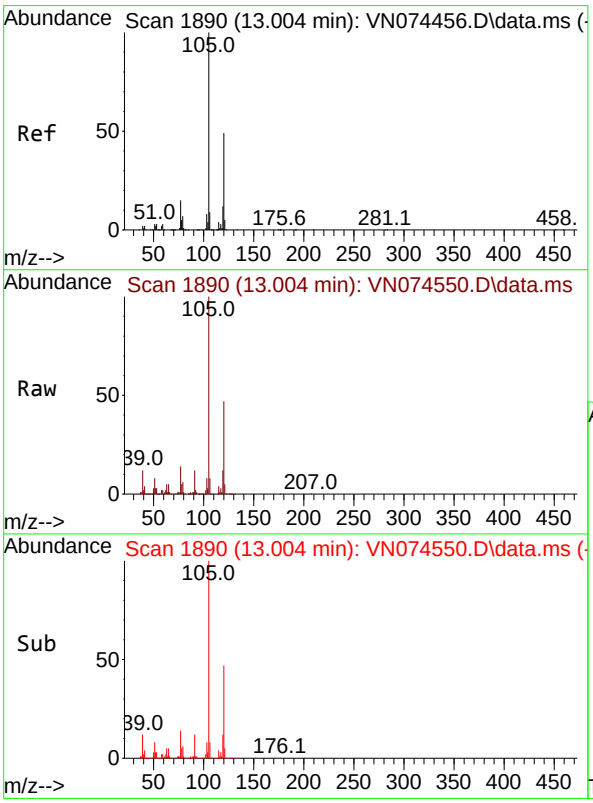
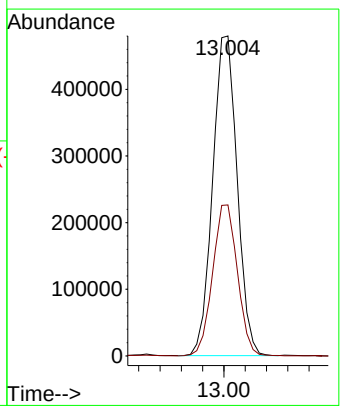


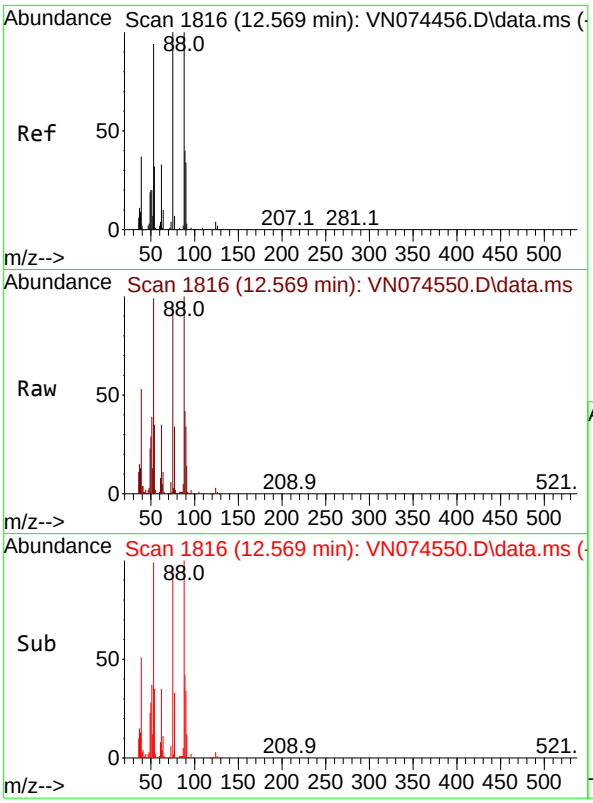


#80
1,3,5-Trimethylbenzene
Concen: 52.217 ug/l
RT: 13.004 min Scan# 1890
Delta R.T. -0.000 min
Lab File: VN074550.D
Acq: 17 Sep 2022 12:40

Tgt Ion:105 Resp: 763027

Ion	Ratio	Lower	Upper
105	100		
120	48.2	24.9	74.7

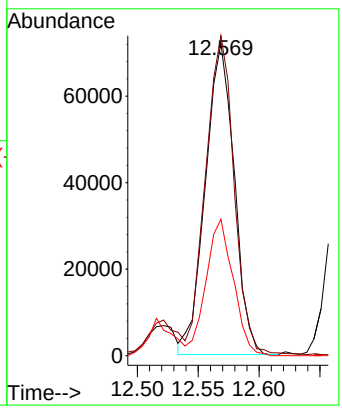




#81
trans-1,4-Dichloro-2-butene
Concen: 47.516 ug/l
RT: 12.569 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074550.D
Acq: 17 Sep 2022 12:40

Tgt Ion: 75 Resp: 11863

Ion	Ratio	Lower	Upper
75	100		
53	102.3	78.0	117.0
89	41.6	37.2	55.8



Instrument :
MSVOA_N
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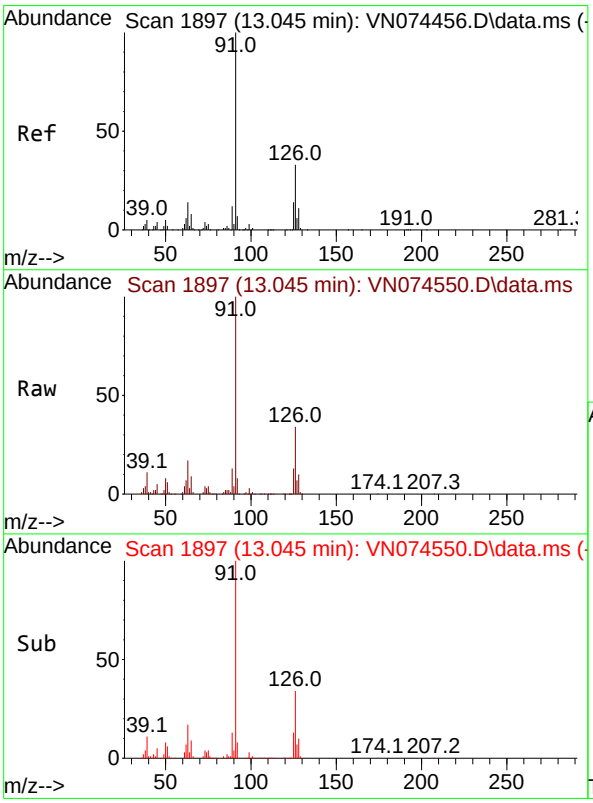
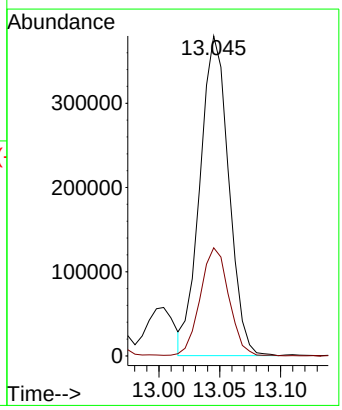
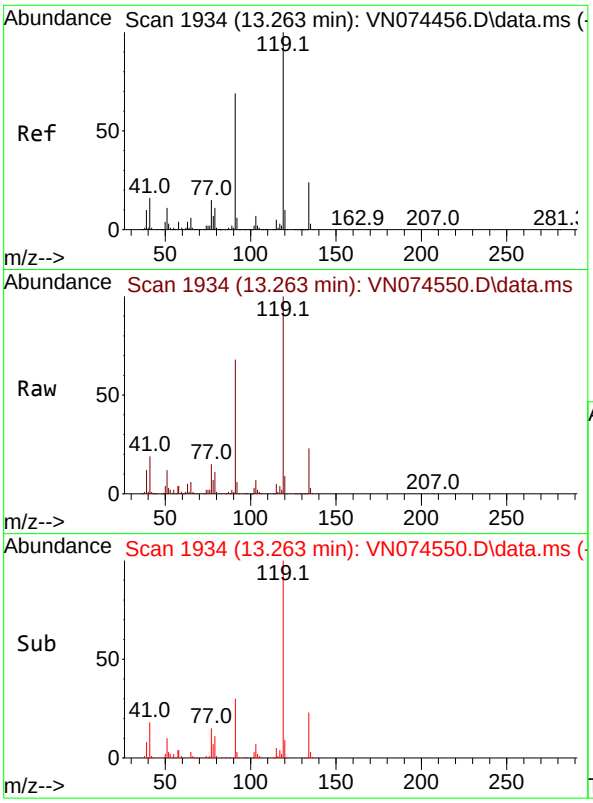


#82
4-Chlorotoluene
Concen: 51.593 ug/l
RT: 13.045 min Scan# 1897
Delta R.T. 0.000 min
Lab File: VN074550.D
Acq: 17 Sep 2022 12:40

Tgt Ion: 91 Resp: 625021

Ion	Ratio	Lower	Upper
91	100		
126	33.6	17.2	51.6





#83
tert-Butylbenzene
Concen: 51.760 ug/l
RT: 13.263 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074550.D
Acq: 17 Sep 2022 12:40

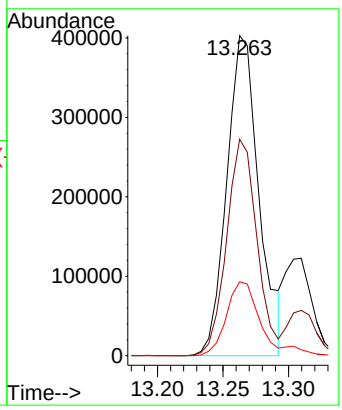
Tgt Ion:119 Resp: 68836

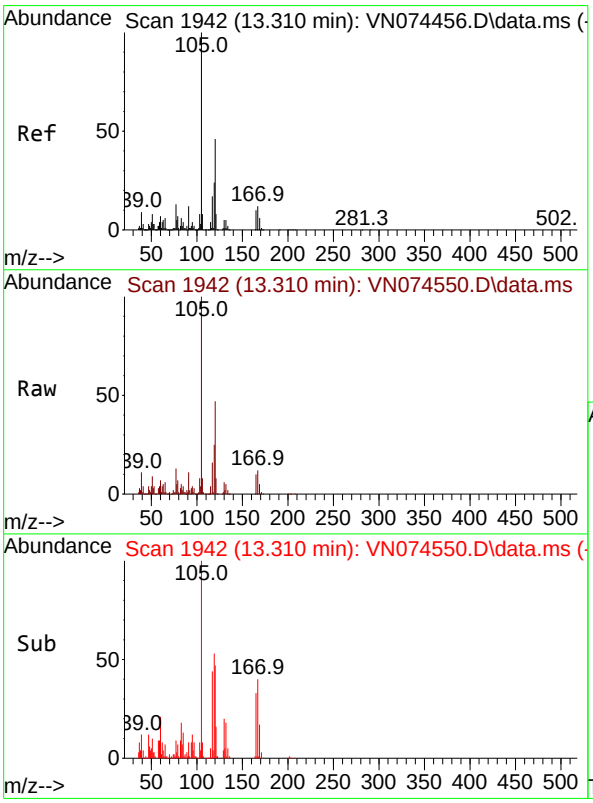
Ion	Ratio	Lower	Upper
119	100		
91	63.7	31.6	94.8
134	24.7	13.7	41.1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/19/2022
Supervised By :Mahesh Dadoda 09/19/2022

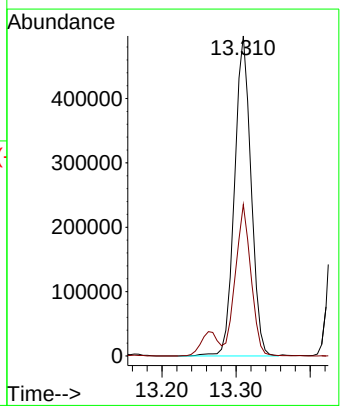


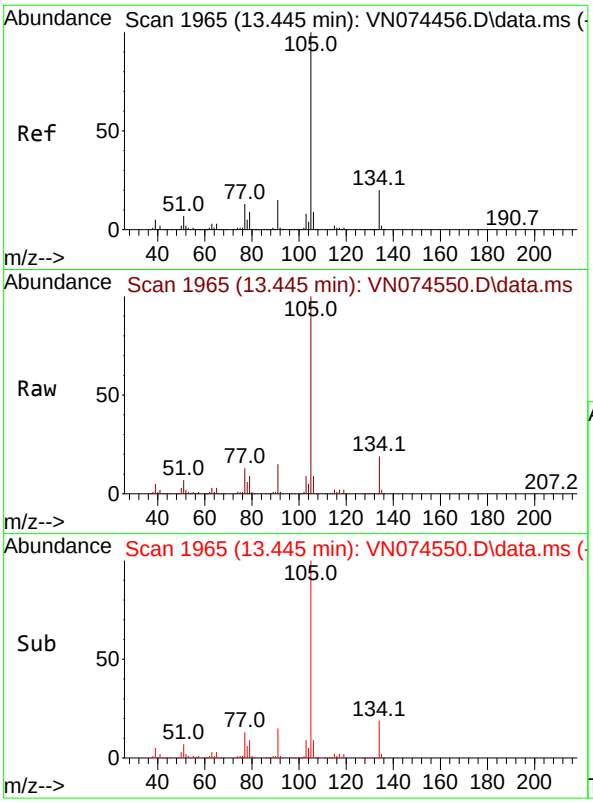


#84
1,2,4-Trimethylbenzene
Concen: 52.208 ug/l
RT: 13.310 min Scan# 1942
Delta R.T. -0.000 min
Lab File: VN074550.D
Acq: 17 Sep 2022 12:40

Tgt Ion:105 Resp: 767743

Ion	Ratio	Lower	Upper
105	100		
120	44.7	23.3	69.8

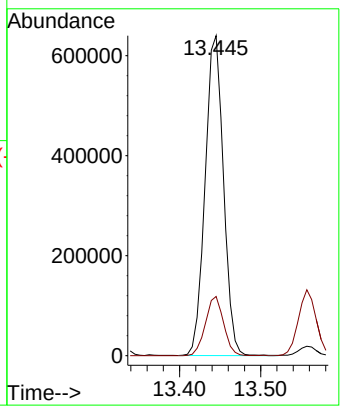




#85
sec-Butylbenzene
Concen: 54.880 ug/l
RT: 13.445 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074550.D
Acq: 17 Sep 2022 12:40

Tgt Ion:105 Resp: 100213

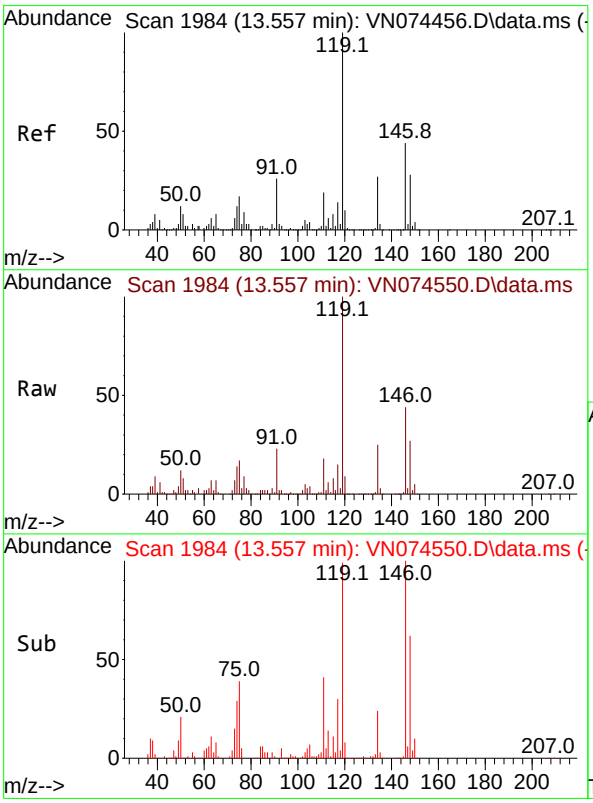
Ion	Ratio	Lower	Upper
105	100		
134	18.4	10.4	31.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

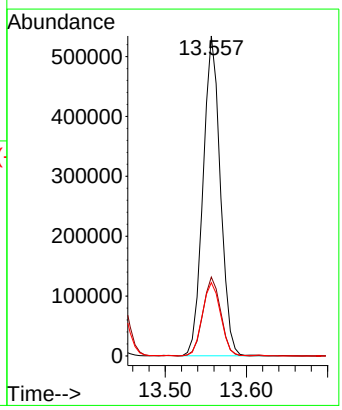
Reviewed By :John Carlone 09/19/2022
Supervised By :Mahesh Dadoda 09/19/2022

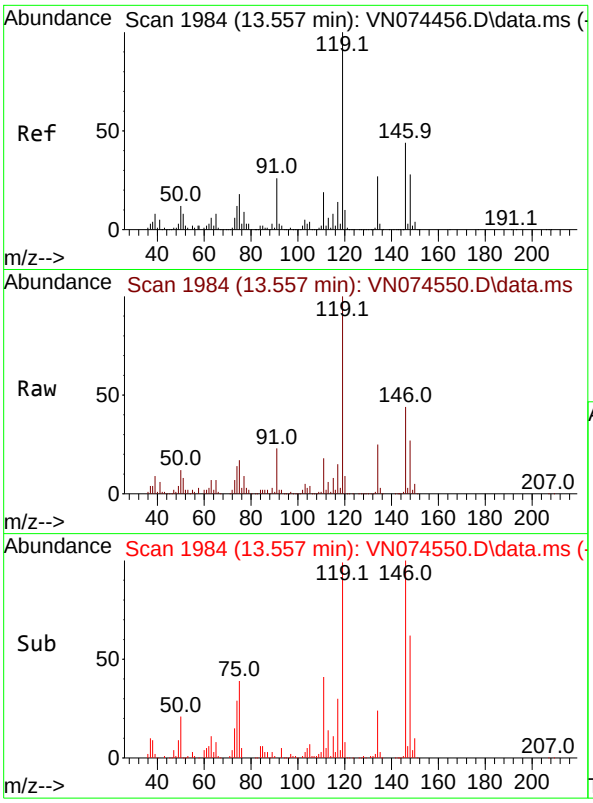


#86
p-Isopropyltoluene
Concen: 55.416 ug/l
RT: 13.557 min Scan# 1984
Delta R.T. -0.000 min
Lab File: VN074550.D
Acq: 17 Sep 2022 12:40

Tgt Ion:119 Resp: 788895

Ion	Ratio	Lower	Upper
119	100		
134	25.4	13.3	39.8
91	24.1	11.3	33.9

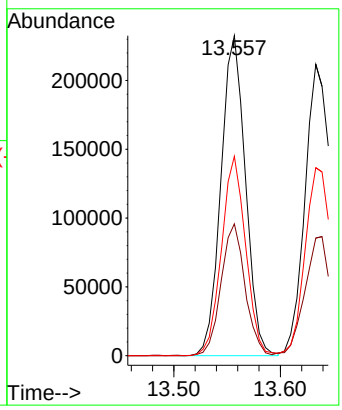




#87
1,3-Dichlorobenzene
Concen: 52.812 ug/l
RT: 13.557 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074550.D
Acq: 17 Sep 2022 12:40

Tgt Ion:146 Resp: 37162

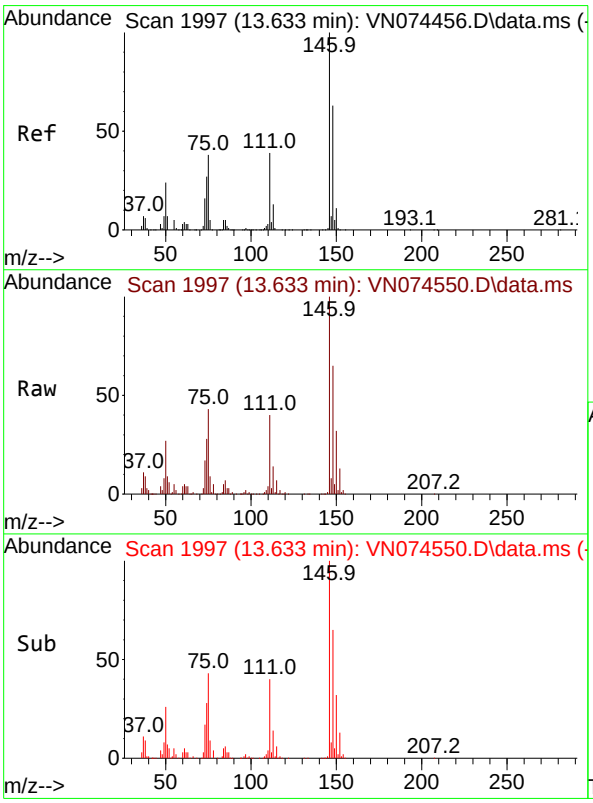
Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.0	60.0
148	61.6	32.0	96.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

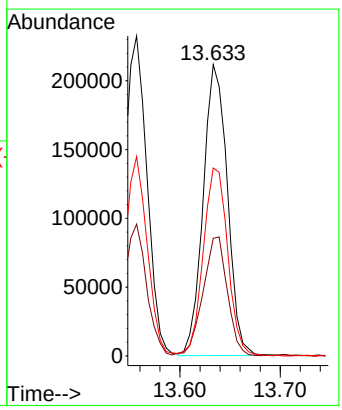
Reviewed By :John Carlone 09/19/2022
Supervised By :Mahesh Dadoda 09/19/2022

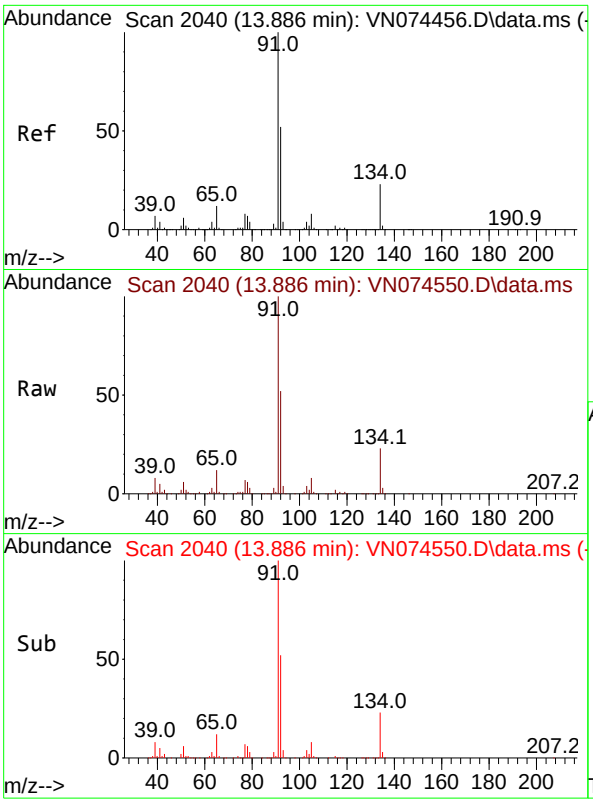


#88
1,4-Dichlorobenzene
Concen: 50.148 ug/l
RT: 13.633 min Scan# 1997
Delta R.T. 0.000 min
Lab File: VN074550.D
Acq: 17 Sep 2022 12:40

Tgt Ion:146 Resp: 354655

Ion	Ratio	Lower	Upper
146	100		
111	41.1	19.1	57.1
148	65.7	31.4	94.3

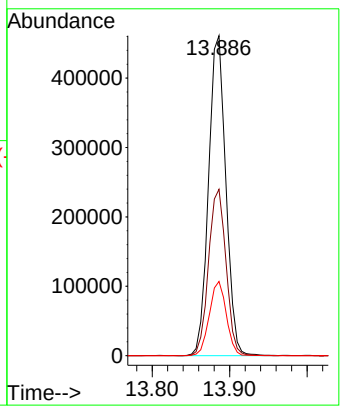




#89
n-Butylbenzene
Concen: 55.592 ug/l
RT: 13.886 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN074550.D
Acq: 17 Sep 2022 12:40

Tgt Ion: 91 Resp: 71332

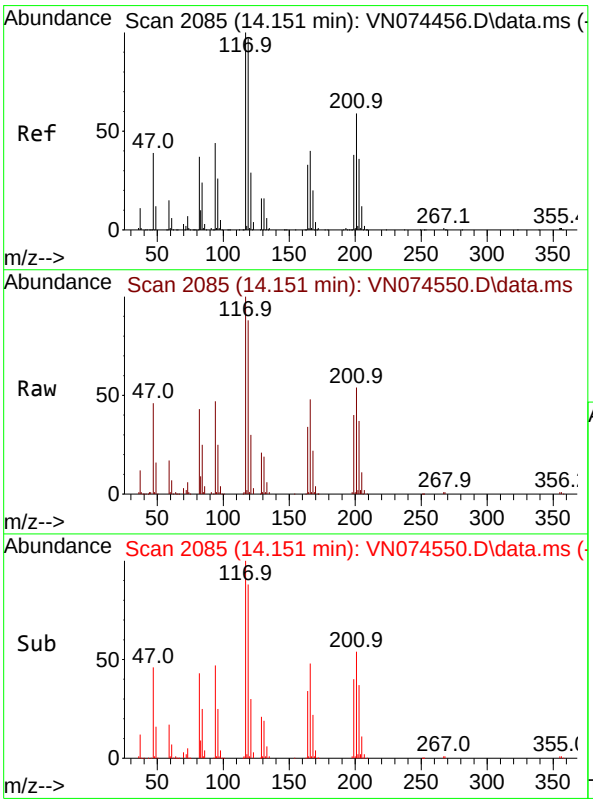
Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.9	80.7
134	22.9	13.6	40.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

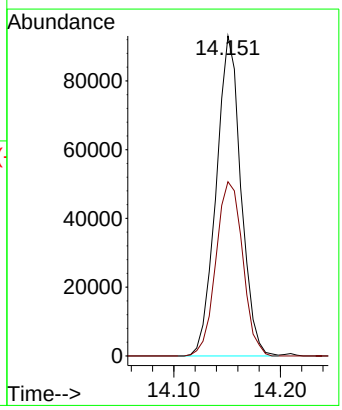
Reviewed By :John Carlone 09/19/2022
Supervised By :Mahesh Dadoda 09/19/2022

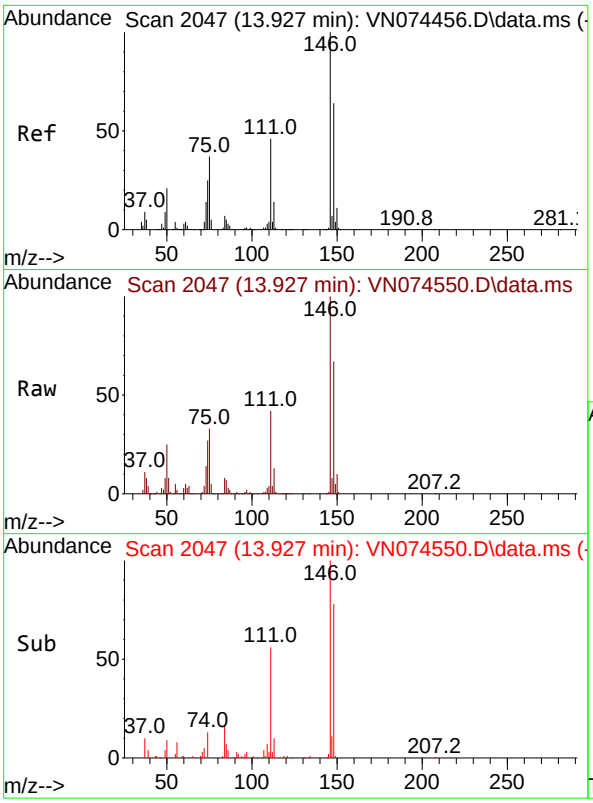


#90
Hexachloroethane
Concen: 48.512 ug/l
RT: 14.151 min Scan# 2085
Delta R.T. -0.000 min
Lab File: VN074550.D
Acq: 17 Sep 2022 12:40

Tgt Ion:117 Resp: 150263

Ion	Ratio	Lower	Upper
117	100		
201	58.8	40.6	122.0

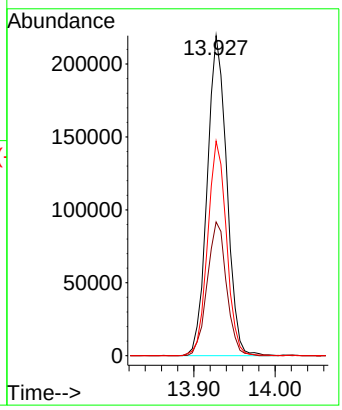




#91
1,2-Dichlorobenzene
Concen: 50.228 ug/l
RT: 13.927 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN074550.D
Acq: 17 Sep 2022 12:40

Tgt Ion:146 Resp: 36667

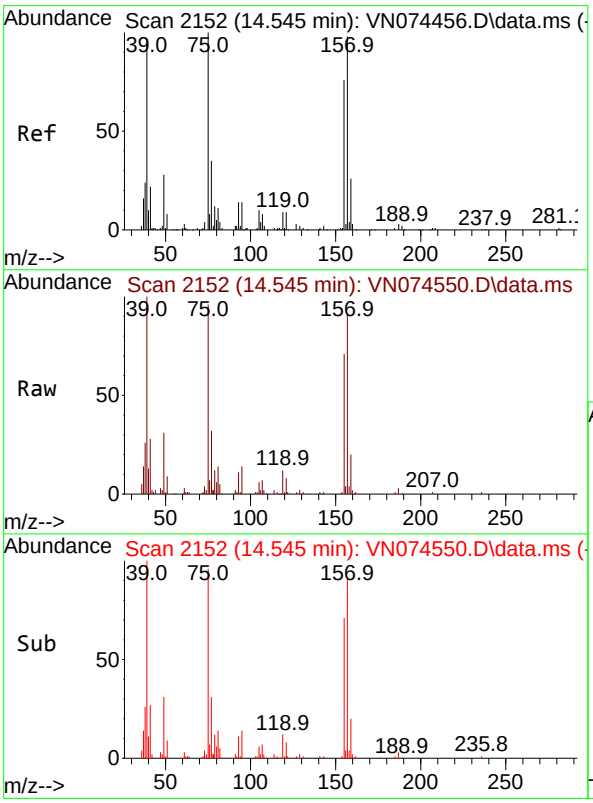
Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.9	62.8
148	64.5	32.1	96.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

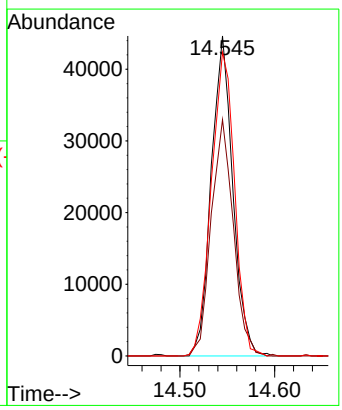
Reviewed By :John Carlone 09/19/2022
Supervised By :Mahesh Dadoda 09/19/2022

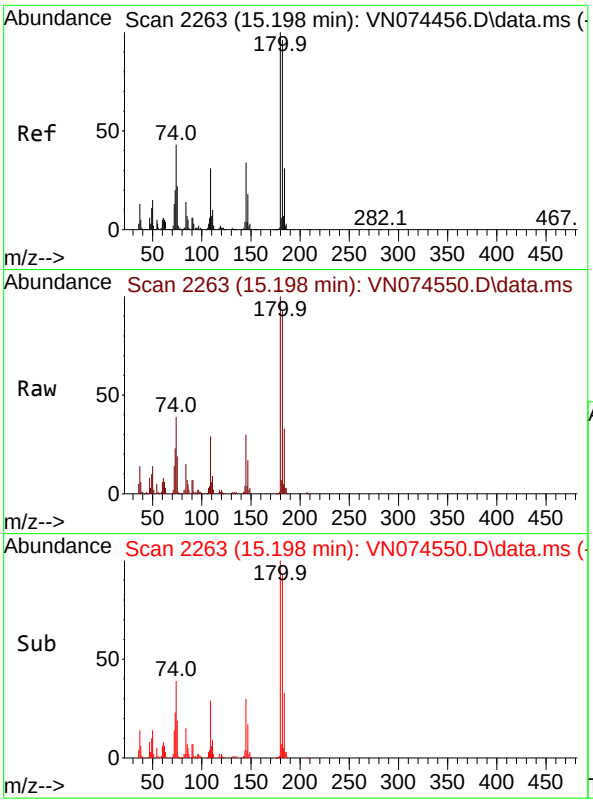


#92
1,2-Dibromo-3-Chloropropane
Concen: 44.491 ug/l
RT: 14.545 min Scan# 2152
Delta R.T. -0.000 min
Lab File: VN074550.D
Acq: 17 Sep 2022 12:40

Tgt Ion: 75 Resp: 70573

Ion	Ratio	Lower	Upper
75	100		
155	76.1	44.9	134.5
157	102.5	59.0	176.8

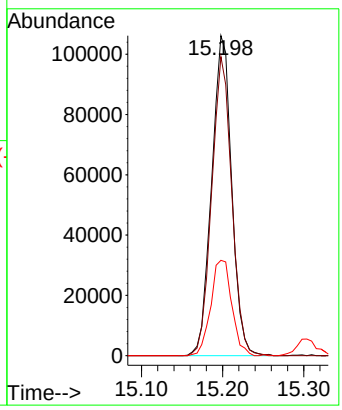




#93
1,2,4-Trichlorobenzene
Concen: 52.357 ug/l
RT: 15.198 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN074550.D
Acq: 17 Sep 2022 12:40

Tgt Ion:180 Resp: 18209

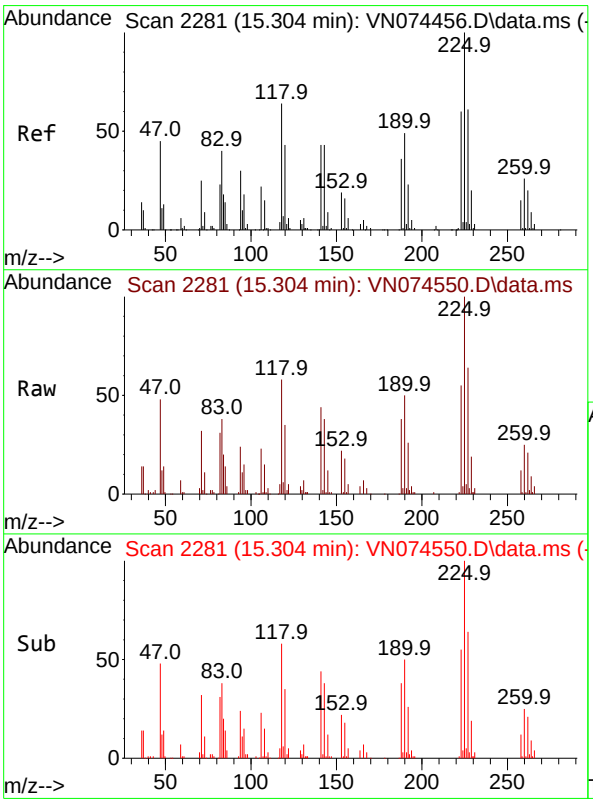
Ion	Ratio	Lower	Upper
180	100		
182	93.4	47.5	142.5
145	31.3	14.5	43.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

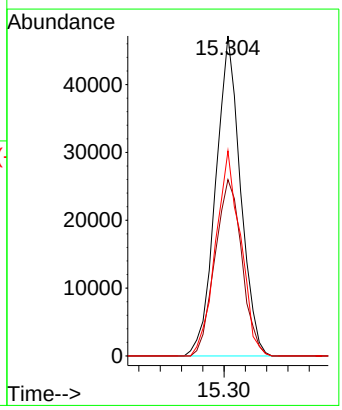
Reviewed By :John Carlone 09/19/2022
Supervised By :Mahesh Dadoda 09/19/2022

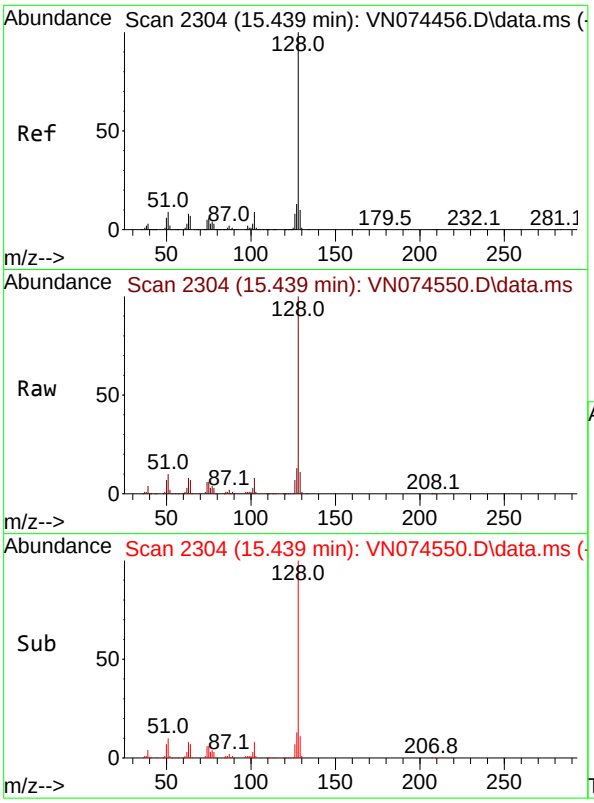


#94
Hexachlorobutadiene
Concen: 49.910 ug/l
RT: 15.304 min Scan# 2281
Delta R.T. -0.000 min
Lab File: VN074550.D
Acq: 17 Sep 2022 12:40

Tgt Ion:225 Resp: 76288

Ion	Ratio	Lower	Upper
225	100		
223	59.6	32.4	97.2
227	64.4	31.8	95.4

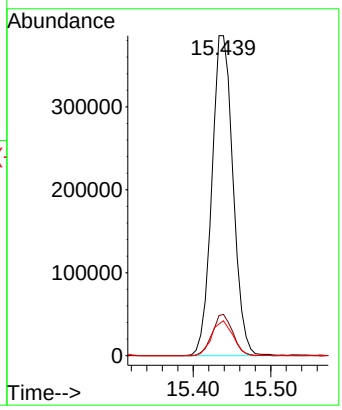




#95
Naphthalene
Concen: 48.913 ug/l
RT: 15.439 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN074550.D
Acq: 17 Sep 2022 12:40

Tgt Ion:128 Resp: 73243

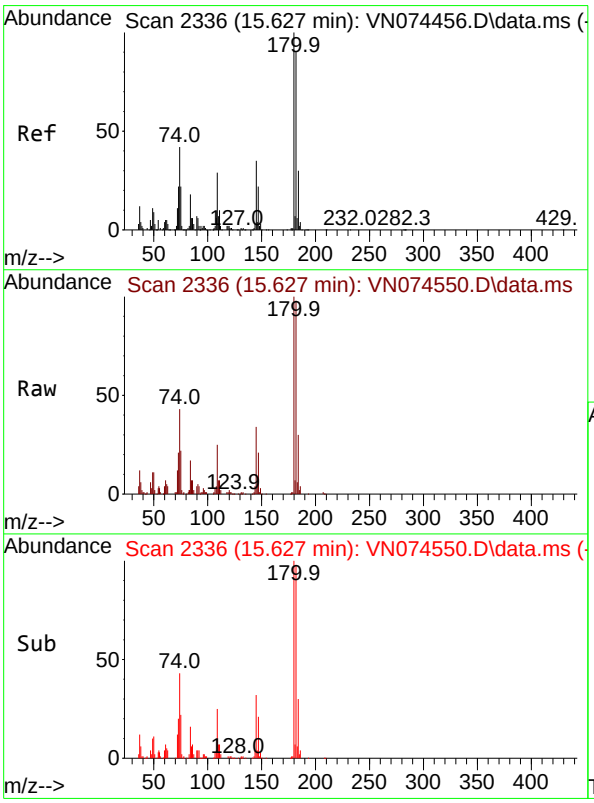
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.3	15.5
129	10.9	8.6	13.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

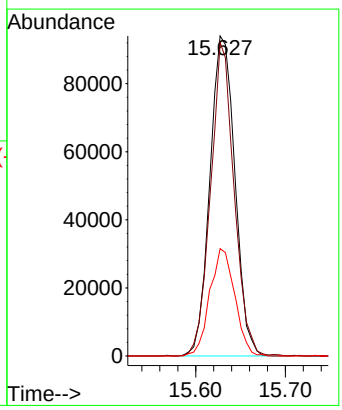
Reviewed By :John Carlone 09/19/2022
Supervised By :Mahesh Dadoda 09/19/2022



#96
1,2,3-Trichlorobenzene
Concen: 50.476 ug/l
RT: 15.627 min Scan# 2336
Delta R.T. 0.000 min
Lab File: VN074550.D
Acq: 17 Sep 2022 12:40

Tgt Ion:180 Resp: 181962

Ion	Ratio	Lower	Upper
180	100		
182	92.2	47.8	143.3
145	33.5	15.5	46.5



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091722\
Data File : VN074550.D
Acq On : 17 Sep 2022 12:40
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Sep 19 02:53:28 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 15 19:20:33 2022
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	49#	0.00
2	T	Dichlorodifluoromethane	0.544	0.467	14.2	49#	0.00
3	P	Chloromethane	1.009	0.984	2.5	57	0.00
4	C	Vinyl Chloride	0.979	1.170	-19.5#	67	0.00
5	T	Bromomethane	0.517	0.861	-66.5#	88	0.00
6	T	Chloroethane	0.669	0.904	-35.1#	76	0.00
7	T	Trichlorofluoromethane	1.082	1.043	3.6	54	0.00
8	T	Diethyl Ether	0.552	0.518	6.2	52	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.669	0.685	-2.4	57	-0.01
10	T	Methyl Iodide	0.789	0.758	3.9	49#	0.00
11	T	Tert butyl alcohol	0.276	0.229	17.0	47#	0.00
12	CM	1,1-Dichloroethene	0.719	0.634	11.8#	52	0.00
13	T	Acrolein	0.101	0.097	4.0	48#	0.00
14	T	Allyl chloride	1.572	1.592	-1.3	55	0.00
15	T	Acrylonitrile	0.621	0.651	-4.8	56	0.00
16	T	Acetone	0.543	0.529	2.6	55	0.00
17	T	Carbon Disulfide	1.806	1.616	10.5	50#	0.00
18	T	Methyl Acetate	1.686	1.688	-0.1	56	0.00
19	T	Methyl tert-butyl Ether	2.775	2.764	0.4	54	0.00
20	T	Methylene Chloride	0.930	0.831	10.6	54	0.00
21	T	trans-1,2-Dichloroethene	0.785	0.708	9.8	52	0.00
22	T	Diisopropyl ether	3.157	3.402	-7.8	57	0.00
23	T	Vinyl Acetate	2.785	3.093	-11.1	57	0.00
24	P	1,1-Dichloroethane	1.578	1.603	-1.6	56	0.00
25	T	2-Butanone	0.901	0.969	-7.5	57	0.00
26	T	2,2-Dichloropropane	1.361	1.251	8.1	52	0.00
27	T	cis-1,2-Dichloroethene	0.926	0.918	0.9	54	0.00
28	T	Bromochloromethane	0.544	0.477	12.3	56	0.00
29	T	Tetrahydrofuran	0.593	0.641	-8.1	56	0.00
30	C	Chloroform	1.457	1.557	-6.9#	56	0.00
31	T	Cyclohexane	1.506	1.431	5.0	53	0.00
32	T	1,1,1-Trichloroethane	1.278	1.258	1.6	54	0.00
33	S	1,2-Dichloroethane-d4	0.848	0.819	3.4	50#	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	46#	0.00
35	S	Dibromofluoromethane	0.332	0.348	-4.8	49#	0.00
36	T	1,1-Dichloropropene	0.588	0.627	-6.6	55	0.00
37	T	Ethyl Acetate	0.908	1.038	-14.3	55	0.00
38	T	Carbon Tetrachloride	0.543	0.583	-7.4	54	0.00
39	T	Methylcyclohexane	0.699	0.752	-7.6	52	0.00
40	TM	Benzene	1.818	2.010	-10.6	55	0.00
41	T	Methacrylonitrile	0.439	0.462	-5.2	53	0.00
42	TM	1,2-Dichloroethane	0.624	0.703	-12.7	56	0.00
43	T	Isopropyl Acetate	1.422	1.646	-15.8	57	0.00
44	TM	Trichloroethene	0.393	0.407	-3.6	54	0.00
45	C	1,2-Dichloropropane	0.500	0.559	-11.8#	56	0.00
46	T	Dibromomethane	0.313	0.346	-10.5	56	0.00
47	T	Bromodichloromethane	0.613	0.710	-15.8	57	0.00
48	T	Methyl methacrylate	0.631	0.709	-12.4	57	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091722\
Data File : VN074550.D
Acq On : 17 Sep 2022 12:40
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Sep 19 02:53:28 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 15 19:20:33 2022
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.012	0.013	-8.3	53	0.00
50	S	Toluene-d8	1.285	1.373	-6.8	52	0.00
51	T	4-Methyl-2-Pentanone	0.929	1.134	-22.1	59	0.00
52	CM	Toluene	1.066	1.244	-16.7#	56	0.00
53	T	t-1,3-Dichloropropene	0.715	0.782	-9.4	53	0.00
54	T	cis-1,3-Dichloropropene	0.765	0.846	-10.6	54	0.00
55	T	1,1,2-Trichloroethane	0.452	0.496	-9.7	55	0.00
56	T	Ethyl methacrylate	0.807	0.898	-11.3	54	0.00
57	T	1,3-Dichloropropane	0.792	0.895	-13.0	56	0.00
58	T	2-Chloroethyl Vinyl ether	0.355	0.392	-10.4	52	0.00
59	T	2-Hexanone	0.709	0.875	-23.4	59	0.00
60	T	Dibromochloromethane	0.432	0.500	-15.7	56	0.00
61	T	1,2-Dibromoethane	0.439	0.503	-14.6	55	0.00
62	S	4-Bromofluorobenzene	0.440	0.483	-9.8	50	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	48#	0.00
64	T	Tetrachloroethene	0.343	0.352	-2.6	55	0.00
65	PM	Chlorobenzene	1.255	1.303	-3.8	54	0.00
66	T	1,1,1,2-Tetrachloroethane	0.456	0.482	-5.7	55	0.00
67	C	Ethyl Benzene	2.305	2.545	-10.4#	56	0.00
68	T	m/p-Xylenes	0.852	0.954	-12.0	56	0.00
69	T	o-Xylene	0.869	0.970	-11.6	56	0.00
70	T	Styrene	1.445	1.593	-10.2	55	0.00
71	P	Bromoform	0.335	0.365	-9.0	53	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	49#	0.00
73	T	Isopropylbenzene	5.120	5.221	-2.0	56	0.00
74	T	N-amyl acetate	3.201	3.357	-4.9	59	0.00
75	P	1,1,2,2-Tetrachloroethane	2.052	1.996	2.7	56	0.00
76	T	1,2,3-Trichloropropane	1.539	1.460	5.1	54	0.00
77	T	Bromobenzene	1.094	1.104	-0.9	56	0.00
78	T	n-propylbenzene	6.098	6.437	-5.6	56	0.00
79	T	2-Chlorotoluene	3.640	3.655	-0.4	55	0.00
80	T	1,3,5-Trimethylbenzene	4.173	4.358	-4.4	56	0.00
81	T	trans-1,4-Dichloro-2-butene	0.713	0.678	4.9	51	0.00
82	T	4-Chlorotoluene	3.460	3.570	-3.2	56	0.00
83	T	tert-Butylbenzene	3.798	3.932	-3.5	57	0.00
84	T	1,2,4-Trimethylbenzene	4.200	4.385	-4.4	57	0.00
85	T	sec-Butylbenzene	5.215	5.724	-9.8	58	0.00
86	T	p-Isopropyltoluene	4.066	4.506	-10.8	57	0.00
87	T	1,3-Dichlorobenzene	2.010	2.123	-5.6	57	0.00
88	T	1,4-Dichlorobenzene	2.020	2.026	-0.3	56	0.00
89	T	n-Butylbenzene	3.665	4.075	-11.2	57	0.00
90	T	Hexachloroethane	0.885	0.858	3.1	53	0.00
91	T	1,2-Dichlorobenzene	2.085	2.094	-0.4	56	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.453	0.403	11.0	50#	0.00
93	T	1,2,4-Trichlorobenzene	0.993	1.040	-4.7	57	0.00
94	T	Hexachlorobutadiene	0.437	0.436	0.2	57	0.00
95	T	Naphthalene	4.204	4.184	0.5	54	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091722\
Data File : VN074550.D
Acq On : 17 Sep 2022 12:40
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Sep 19 02:53:28 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 15 19:20:33 2022
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	1.032	1.039	-0.7	55	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091722\
Data File : VN074550.D
Acq On : 17 Sep 2022 12:40
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Sep 19 02:53:28 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 15 19:20:33 2022
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	49	0.00
2	T	Dichlorodifluoromethane	50.000	42.908	14.2	49	0.00
3	P	Chloromethane	50.000	53.748	-7.5	57	0.00
4	C	Vinyl Chloride	50.000	59.711	-19.4#	67	0.00
5	T	Bromomethane	50.000	83.346	-66.7#	88	0.00
6	T	Chloroethane	50.000	67.532	-35.1#	76	0.00
7	T	Trichlorofluoromethane	50.000	48.217	3.6	54	0.00
8	T	Diethyl Ether	50.000	46.934	6.1	52	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	51.214	-2.4	57	-0.01
10	T	Methyl Iodide	50.000	48.033	3.9	49	0.00
11	T	Tert butyl alcohol	250.000	207.153	17.1	47	0.00
12	CM	1,1-Dichloroethene	50.000	48.143	3.7#	52	0.00
13	T	Acrolein	250.000	239.079	4.4	48	0.00
14	T	Allyl chloride	50.000	50.633	-1.3	55	0.00
15	T	Acrylonitrile	250.000	262.255	-4.9	56	0.00
16	T	Acetone	250.000	243.560	2.6	55	0.00
17	T	Carbon Disulfide	50.000	44.739	10.5	50	0.00
18	T	Methyl Acetate	50.000	50.068	-0.1	56	0.00
19	T	Methyl tert-butyl Ether	50.000	49.792	0.4	54	0.00
20	T	Methylene Chloride	50.000	50.104	-0.2	54	0.00
21	T	trans-1,2-Dichloroethene	50.000	48.935	2.1	52	0.00
22	T	Diisopropyl ether	50.000	53.879	-7.8	57	0.00
23	T	Vinyl Acetate	250.000	277.645	-11.1	57	0.00
24	P	1,1-Dichloroethane	50.000	50.776	-1.6	56	0.00
25	T	2-Butanone	250.000	268.811	-7.5	57	0.00
26	T	2,2-Dichloropropane	50.000	45.955	8.1	52	0.00
27	T	cis-1,2-Dichloroethene	50.000	49.561	0.9	54	0.00
28	T	Bromochloromethane	50.000	51.327	-2.7	56	0.00
29	T	Tetrahydrofuran	250.000	270.300	-8.1	56	0.00
30	C	Chloroform	50.000	53.444	-6.9#	56	0.00
31	T	Cyclohexane	50.000	47.531	4.9	53	0.00
32	T	1,1,1-Trichloroethane	50.000	49.249	1.5	54	0.00
33	S	1,2-Dichloroethane-d4	50.000	48.278	3.4	50	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	46	0.00
35	S	Dibromofluoromethane	50.000	52.332	-4.7	49	0.00
36	T	1,1-Dichloropropene	50.000	53.317	-6.6	55	0.00
37	T	Ethyl Acetate	50.000	57.137	-14.3	55	0.00
38	T	Carbon Tetrachloride	50.000	53.688	-7.4	54	0.00
39	T	Methylcyclohexane	50.000	53.791	-7.6	52	0.00
40	TM	Benzene	50.000	55.284	-10.6	55	0.00
41	T	Methacrylonitrile	50.000	52.570	-5.1	53	0.00
42	TM	1,2-Dichloroethane	50.000	56.369	-12.7	56	0.00
43	T	Isopropyl Acetate	50.000	57.858	-15.7	57	0.00
44	TM	Trichloroethene	50.000	51.766	-3.5	54	0.00
45	C	1,2-Dichloropropane	50.000	55.956	-11.9#	56	0.00
46	T	Dibromomethane	50.000	55.323	-10.6	56	0.00
47	T	Bromodichloromethane	50.000	57.855	-15.7	57	0.00
48	T	Methyl methacrylate	50.000	56.188	-12.4	57	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091722\
Data File : VN074550.D
Acq On : 17 Sep 2022 12:40
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Sep 19 02:53:28 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 15 19:20:33 2022
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	1055.723	-5.6	53	0.00
50	S	Toluene-d8	50.000	53.444	-6.9	52	0.00
51	T	4-Methyl-2-Pentanone	250.000	305.203	-22.1	59	0.00
52	CM	Toluene	50.000	58.369	-16.7#	56	0.00
53	T	t-1,3-Dichloropropene	50.000	54.673	-9.3	53	0.00
54	T	cis-1,3-Dichloropropene	50.000	55.293	-10.6	54	0.00
55	T	1,1,2-Trichloroethane	50.000	54.894	-9.8	55	0.00
56	T	Ethyl methacrylate	50.000	55.663	-11.3	54	0.00
57	T	1,3-Dichloropropane	50.000	56.497	-13.0	56	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	276.250	-10.5	52	0.00
59	T	2-Hexanone	250.000	308.503	-23.4	59	0.00
60	T	Dibromochloromethane	50.000	57.816	-15.6	56	0.00
61	T	1,2-Dibromoethane	50.000	57.342	-14.7	55	0.00
62	S	4-Bromofluorobenzene	50.000	54.895	-9.8	50	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	48	0.00
64	T	Tetrachloroethene	50.000	51.320	-2.6	55	0.00
65	PM	Chlorobenzene	50.000	51.899	-3.8	54	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	52.890	-5.8	55	0.00
67	C	Ethyl Benzene	50.000	55.207	-10.4#	56	0.00
68	T	m/p-Xylenes	100.000	111.963	-12.0	56	0.00
69	T	o-Xylene	50.000	55.810	-11.6	56	0.00
70	T	Styrene	50.000	55.120	-10.2	55	0.00
71	P	Bromoform	50.000	54.425	-8.8	53	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	49	0.00
73	T	Isopropylbenzene	50.000	50.986	-2.0	56	0.00
74	T	N-amyl acetate	50.000	52.438	-4.9	59	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	48.637	2.7	56	0.00
76	T	1,2,3-Trichloropropane	50.000	47.422	5.2	54	0.00
77	T	Bromobenzene	50.000	50.475	-1.0	56	0.00
78	T	n-propylbenzene	50.000	52.785	-5.6	56	0.00
79	T	2-Chlorotoluene	50.000	50.202	-0.4	55	0.00
80	T	1,3,5-Trimethylbenzene	50.000	52.217	-4.4	56	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	47.516	5.0	51	0.00
82	T	4-Chlorotoluene	50.000	51.593	-3.2	56	0.00
83	T	tert-Butylbenzene	50.000	51.760	-3.5	57	0.00
84	T	1,2,4-Trimethylbenzene	50.000	52.208	-4.4	57	0.00
85	T	sec-Butylbenzene	50.000	54.880	-9.8	58	0.00
86	T	p-Isopropyltoluene	50.000	55.416	-10.8	57	0.00
87	T	1,3-Dichlorobenzene	50.000	52.812	-5.6	57	0.00
88	T	1,4-Dichlorobenzene	50.000	50.148	-0.3	56	0.00
89	T	n-Butylbenzene	50.000	55.592	-11.2	57	0.00
90	T	Hexachloroethane	50.000	48.512	3.0	53	0.00
91	T	1,2-Dichlorobenzene	50.000	50.228	-0.5	56	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	44.491	11.0	50	0.00
93	T	1,2,4-Trichlorobenzene	50.000	52.357	-4.7	57	0.00
94	T	Hexachlorobutadiene	50.000	49.910	0.2	57	0.00
95	T	Naphthalene	50.000	48.913	2.2	54	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091722\
Data File : VN074550.D
Acq On : 17 Sep 2022 12:40
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Sep 19 02:53:28 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 15 19:20:33 2022
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	50.476	-1.0	55	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: DAYE01

Lab Code: CHEM Case No.: N4647 SAS No.: N4647 SDG No.: N4647

Instrument ID: MSVOA_N Calibration Date/Time: 09/19/2022 10:44

Lab File ID: VN074576.D Init. Calib. Date(s): 09/15/2022 09/15/2022

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:36 13:26

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.544	0.480		-11.77	20
Chloromethane	1.009	0.926	0.1	-8.23	20
Vinyl Chloride	0.979	1.158		18.28	20
Bromomethane	0.517	0.800		54.74	20
Chloroethane	0.669	0.868		29.75	20
Trichlorofluoromethane	1.082	1.044		-3.51	20
1,1,2-Trichlorotrifluoroethane	0.669	0.656		-1.94	20
1,1-Dichloroethene	0.719	0.642		-10.71	20
Acetone	0.543	0.562		3.5	20
Carbon Disulfide	1.806	1.581		-12.46	20
Methyl tert-butyl Ether	2.775	2.798		0.83	20
Methyl Acetate	1.686	1.743		3.38	20
Methylene Chloride	0.930	0.829		-10.86	20
trans-1,2-Dichloroethene	0.785	0.702		-10.57	20
1,1-Dichloroethane	1.578	1.601	0.1	1.46	20
Cyclohexane	1.506	1.417		-5.91	20
2-Butanone	0.901	0.986		9.43	20
Carbon Tetrachloride	0.543	0.544		0.18	20
cis-1,2-Dichloroethene	0.926	0.891		-3.78	20
Bromochloromethane	0.544	0.466		-14.34	20
Chloroform	1.457	1.527		4.8	20
1,1,1-Trichloroethane	1.278	1.233		-3.52	20
Methylcyclohexane	0.699	0.711		1.72	20
Benzene	1.818	1.873		3.03	20
1,2-Dichloroethane	0.624	0.686		9.94	20
Trichloroethene	0.393	0.381		-3.05	20
1,2-Dichloropropane	0.500	0.521		4.2	20
Bromodichloromethane	0.613	0.663		8.16	20
4-Methyl-2-Pentanone	0.929	1.125		21.1	20
Toluene	1.066	1.143		7.22	20
t-1,3-Dichloropropene	0.715	0.768		7.41	20
cis-1,3-Dichloropropene	0.765	0.788		3.01	20
1,1,2-Trichloroethane	0.452	0.478		5.75	20
2-Hexanone	0.709	0.859		21.16	20
Dibromochloromethane	0.432	0.473		9.49	20
1,2-Dibromoethane	0.439	0.474		7.97	20
Tetrachloroethene	0.343	0.336		-2.04	20
Chlorobenzene	1.255	1.251	0.3	-0.32	20
Ethyl Benzene	2.305	2.447		6.16	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: DAYE01

Lab Code: CHEM Case No.: N4647 SAS No.: N4647 SDG No.: N4647

Instrument ID: MSVOA_N Calibration Date/Time: 09/19/2022 10:44

Lab File ID: VN074576.D Init. Calib. Date(s): 09/15/2022 09/15/2022

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:36 13:26

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
m/p-Xylenes	0.852	0.915		7.39	20
o-Xylene	0.869	0.920		5.87	20
Styrene	1.445	1.530		5.88	20
Bromoform	0.335	0.370	0.1	10.45	20
Isopropylbenzene	5.120	5.063		-1.11	20
1,1,2,2-Tetrachloroethane	2.052	2.036	0.3	-0.78	20
1,3-Dichlorobenzene	2.010	2.107		4.83	20
1,4-Dichlorobenzene	2.020	2.025		0.25	20
1,2-Dichlorobenzene	2.085	2.101		0.77	20
1,2-Dibromo-3-Chloropropane	0.453	0.428		-5.52	20
1,2,4-Trichlorobenzene	0.993	1.017		2.42	20
1,2,3-Trichlorobenzene	1.032	1.037		0.48	20
1,2-Dichloroethane-d4	0.848	0.836		-1.41	20
Dibromofluoromethane	0.332	0.331		-0.3	20
Toluene-d8	1.285	1.252		-2.57	20
4-Bromofluorobenzene	0.440	0.462		5	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091922\
Data File : VN074576.D
Acq On : 19 Sep 2022 10:44
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 20 04:17:42 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 15 19:20:33 2022
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED
Reviewed By :Krupa Patel 09/21/2022
Supervised By :Mahesh Dadoda 09/21/2022

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.010	168	229433	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.898	114	427896	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	397167	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	184927	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	191729	49.251	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 98.500%			
35) Dibromofluoromethane	7.951	113	141680	49.845	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.680%			
50) Toluene-d8	10.380	98	535812	48.742	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.480%			
62) 4-Bromofluorobenzene	12.669	95	197520	52.463	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 104.920%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.040	85	110083	44.086	ug/l	95
3) Chloromethane	2.263	50	212550	50.604	ug/l	98
4) Vinyl Chloride	2.404	62	265686	59.112	ug/l	96
5) Bromomethane	2.775	94	183500	77.417	ug/l	98
6) Chloroethane	2.940	64	199139	64.864	ug/l	96
7) Trichlorofluoromethane	3.299	101	239605	48.274	ug/l	100
8) Diethyl Ether	3.763	74	121006	47.807	ug/l	77
9) 1,1,2-Trichlorotrifluo...	4.140	101	150452	48.996	ug/l	91
10) Methyl Iodide	4.340	142	177964	49.128	ug/l	94
11) Tert butyl alcohol	5.287	59	284318	224.204	ug/l	98
12) 1,1-Dichloroethene	4.104	96	147262	48.707	ug/l	99
13) Acrolein	3.975	56	133446	288.156	ug/l	96
14) Allyl chloride	4.751	41	365899	50.711	ug/l #	93
15) Acrylonitrile	5.463	53	760530	266.948	ug/l	99
16) Acetone	4.210	43	644365	258.672	ug/l	92
17) Carbon Disulfide	4.446	76	362714	43.775	ug/l	99
18) Methyl Acetate	4.763	43	399913	51.687	ug/l #	88
19) Methyl tert-butyl Ether	5.528	73	641959	50.408	ug/l	91
20) Methylene Chloride	5.004	84	190304	50.039	ug/l #	77
21) trans-1,2-Dichloroethene	5.504	96	161121	48.558	ug/l	90
22) Diisopropyl ether	6.398	45	783584	54.082	ug/l #	91
23) Vinyl Acetate	6.345	43	3616980	283.040	ug/l #	90
24) 1,1-Dichloroethane	6.298	63	367399	50.730	ug/l	97
25) 2-Butanone	7.257	43	1130696	273.385	ug/l #	84
26) 2,2-Dichloropropane	7.245	77	295466	47.320	ug/l	97
27) cis-1,2-Dichloroethene	7.245	96	204445	48.124	ug/l	91
28) Bromochloromethane	7.575	49	106925	50.135	ug/l #	68
29) Tetrahydrofuran	7.604	42	759400	279.262	ug/l #	84
30) Chloroform	7.739	83	350357	52.413	ug/l	99
31) Cyclohexane	8.016	56	325192	47.062	ug/l	89
32) 1,1,1-Trichloroethane	7.934	97	282853	48.246	ug/l	95
36) 1,1-Dichloropropene	8.145	75	251946	50.077	ug/l	95
37) Ethyl Acetate	7.328	43	432718	55.692	ug/l #	94
38) Carbon Tetrachloride	8.128	117	232951	50.149	ug/l	97
39) Methylcyclohexane	9.386	83	304120	50.834	ug/l	95
40) Benzene	8.386	78	801540	51.520	ug/l	94

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091922\
Data File : VN074576.D
Acq On : 19 Sep 2022 10:44
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 20 04:17:42 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 15 19:20:33 2022
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED
Reviewed By :Krupa Patel 09/21/2022
Supervised By :Mahesh Dadoda 09/21/2022

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.563	41	222628	59.265	ug/l	#	84
42) 1,2-Dichloroethane	8.457	62	293467	54.967	ug/l		99
43) Isopropyl Acetate	8.492	43	689310	56.637	ug/l	#	90
44) Trichloroethene	9.145	130	162919	48.394	ug/l		88
45) 1,2-Dichloropropane	9.428	63	222953	52.144	ug/l		96
46) Dibromomethane	9.516	93	143396	53.548	ug/l	#	84
47) Bromodichloromethane	9.698	83	283539	54.006	ug/l		96
48) Methyl methacrylate	9.498	41	316677	58.681	ug/l	#	84
49) 1,4-Dioxane	9.504	88	107640	1037.464	ug/l	#	84
51) 4-Methyl-2-Pentanone	10.269	43	2406026	302.733	ug/l		87
52) Toluene	10.445	92	489065	53.607	ug/l		97
53) t-1,3-Dichloropropene	10.657	75	328515	53.689	ug/l		95
54) cis-1,3-Dichloropropene	10.128	75	337373	51.522	ug/l	#	86
55) 1,1,2-Trichloroethane	10.839	97	204375	52.887	ug/l		93
56) Ethyl methacrylate	10.704	69	373233	54.069	ug/l	#	74
57) 1,3-Dichloropropane	10.986	76	371633	54.850	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.980	63	782014	257.418	ug/l	#	88
59) 2-Hexanone	11.027	43	1837706	302.893	ug/l		86
60) Dibromochloromethane	11.174	129	202391	54.709	ug/l		98
61) 1,2-Dibromoethane	11.286	107	202918	54.052	ug/l		100
64) Tetrachloroethene	10.916	164	133637	49.029	ug/l		92
65) Chlorobenzene	11.710	112	496985	49.844	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.786	131	184798	51.012	ug/l		98
67) Ethyl Benzene	11.786	91	971701	53.081	ug/l		99
68) m/p-Xylenes	11.892	106	726824	107.387	ug/l		97
69) o-Xylene	12.221	106	365546	52.971	ug/l		99
70) Styrene	12.233	104	607721	52.941	ug/l		98
71) Bromoform	12.398	173	147123	55.256	ug/l	#	100
73) Isopropylbenzene	12.521	105	936307	49.448	ug/l		99
74) N-amyl acetate	12.327	43	629606	53.181	ug/l	#	85
75) 1,1,2,2-Tetrachloroethane	12.769	83	376573	49.627	ug/l		97
76) 1,2,3-Trichloropropane	12.821	75	274257m	48.181	ug/l		
77) Bromobenzene	12.798	156	205205	50.732	ug/l		78
78) n-propylbenzene	12.863	91	1154365	51.187	ug/l		95
79) 2-Chlorotoluene	12.945	91	668113	49.627	ug/l		96
80) 1,3,5-Trimethylbenzene	12.998	105	777476	50.369	ug/l		97
81) trans-1,4-Dichloro-2-b...	12.569	75	129389	49.061	ug/l		96
82) 4-Chlorotoluene	13.045	91	644307	50.351	ug/l		97
83) tert-Butylbenzene	13.263	119	695736	49.526	ug/l		98
84) 1,2,4-Trimethylbenzene	13.310	105	787346	50.687	ug/l		97
85) sec-Butylbenzene	13.445	105	1005860	52.148	ug/l		96
86) p-Isopropyltoluene	13.557	119	804967	53.531	ug/l		97
87) 1,3-Dichlorobenzene	13.557	146	389619	52.418	ug/l		98
88) 1,4-Dichlorobenzene	13.633	146	374444	50.124	ug/l		97
89) n-Butylbenzene	13.886	91	746432	55.072	ug/l		95
90) Hexachloroethane	14.151	117	161290	49.296	ug/l		75
91) 1,2-Dichlorobenzene	13.927	146	388509	50.383	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.545	75	79229	47.285	ug/l		80
93) 1,2,4-Trichlorobenzene	15.198	180	188094	51.200	ug/l		97
94) Hexachlorobutadiene	15.304	225	80137	49.634	ug/l		98
95) Naphthalene	15.439	128	776959	49.114	ug/l		99
96) 1,2,3-Trichlorobenzene	15.633	180	191692	50.344	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091922\
Data File : VN074576.D
Acq On : 19 Sep 2022 10:44
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 20 04:17:42 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 15 19:20:33 2022
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Krupa Patel 09/21/2022
Supervised By :Mahesh Dadoda 09/21/2022

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

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

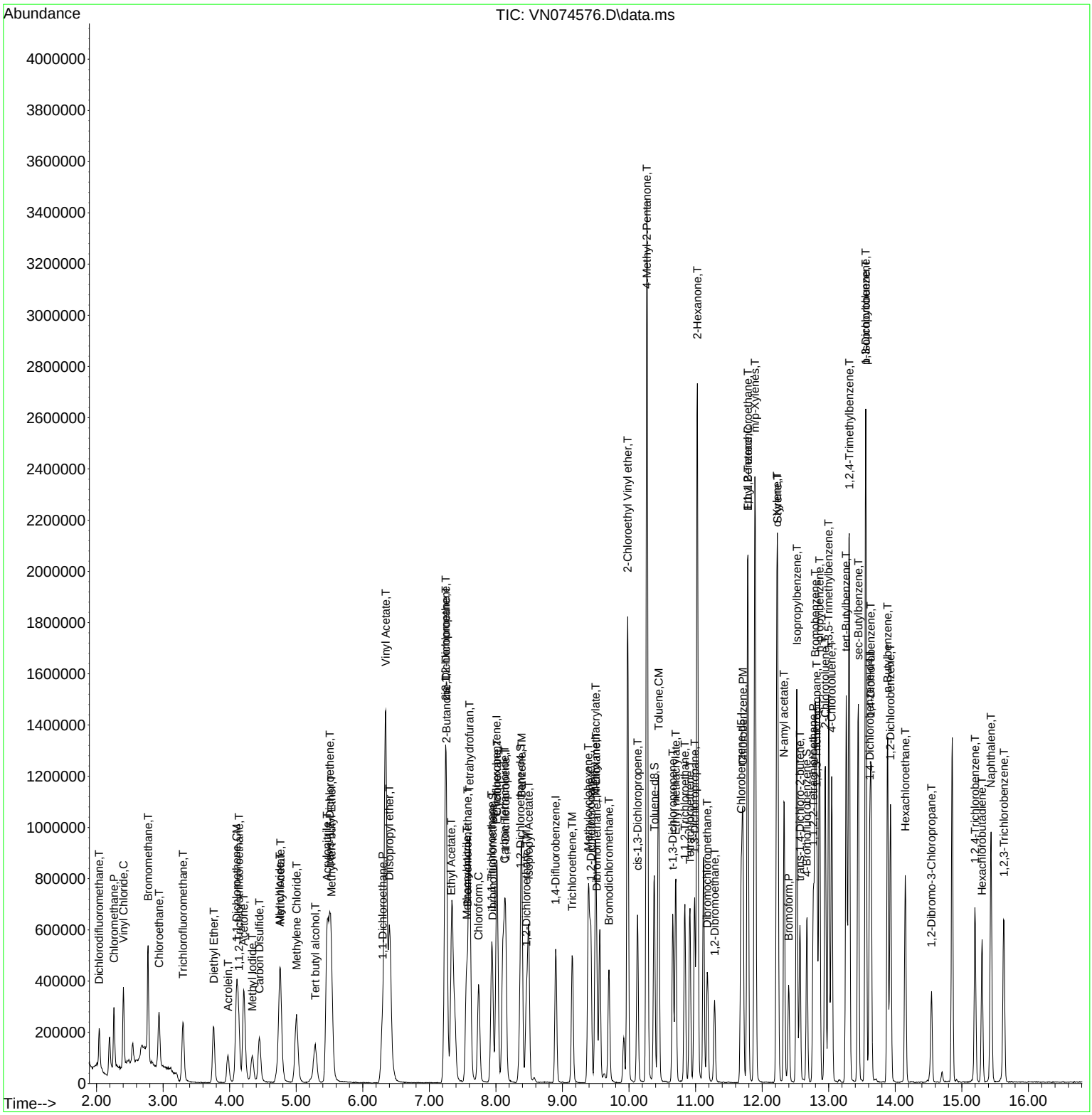
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091922\
Data File : VN074576.D
Acq On : 19 Sep 2022 10:44
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

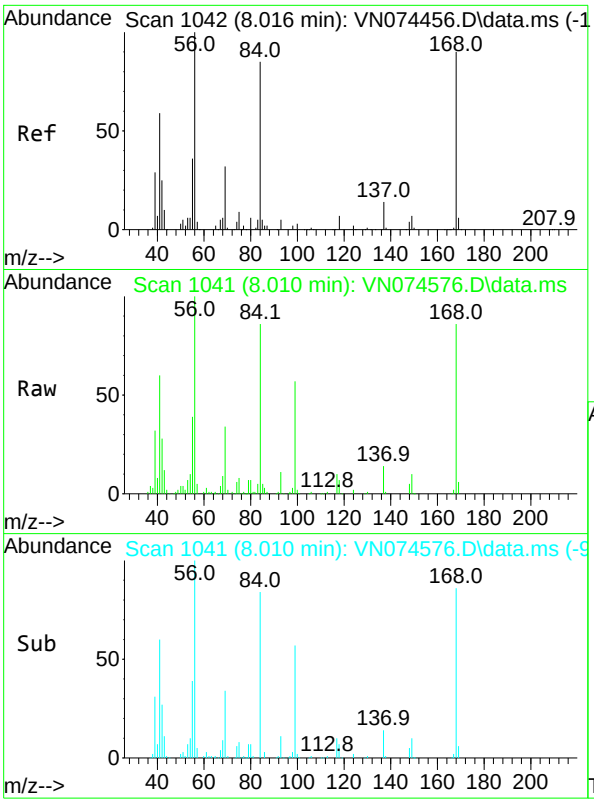
Quant Time: Sep 20 04:17:42 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 15 19:20:33 2022
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Krupa Patel 09/21/2022
Supervised By :Mahesh Dadoda 09/21/2022

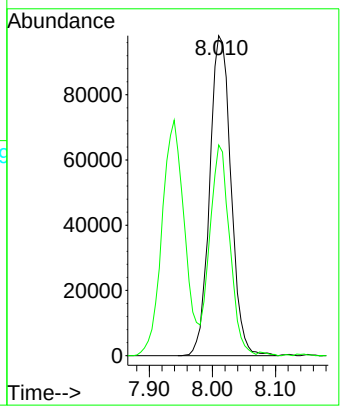




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.010 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN074576.D
Acq: 19 Sep 2022 10:44

Tgt Ion:168 Resp: 22943

Ion	Ratio	Lower	Upper
168	100		
99	65.9	42.3	63.5#



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Krupa Patel 09/21/2022
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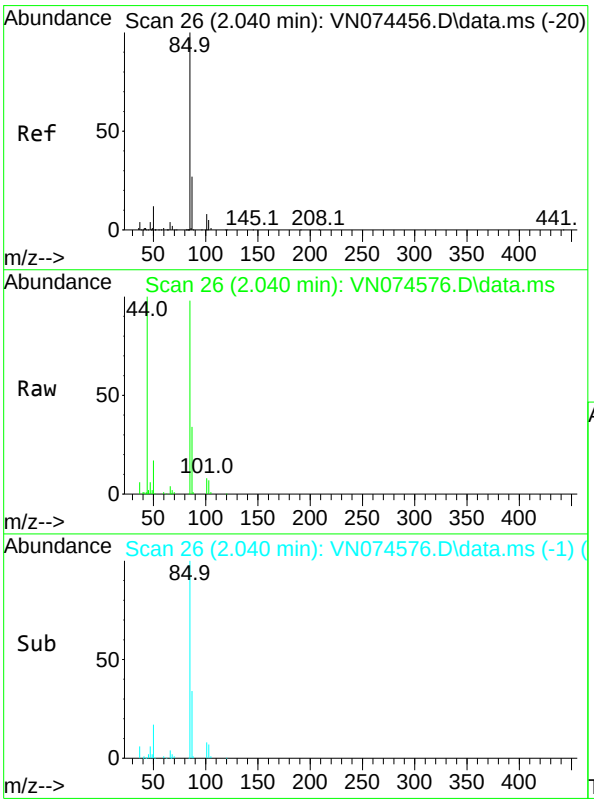
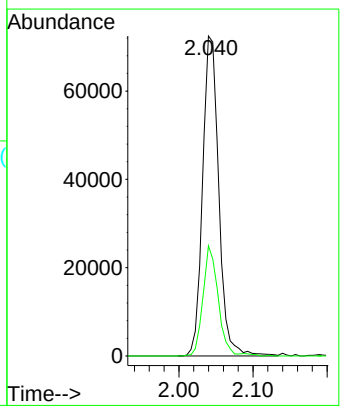
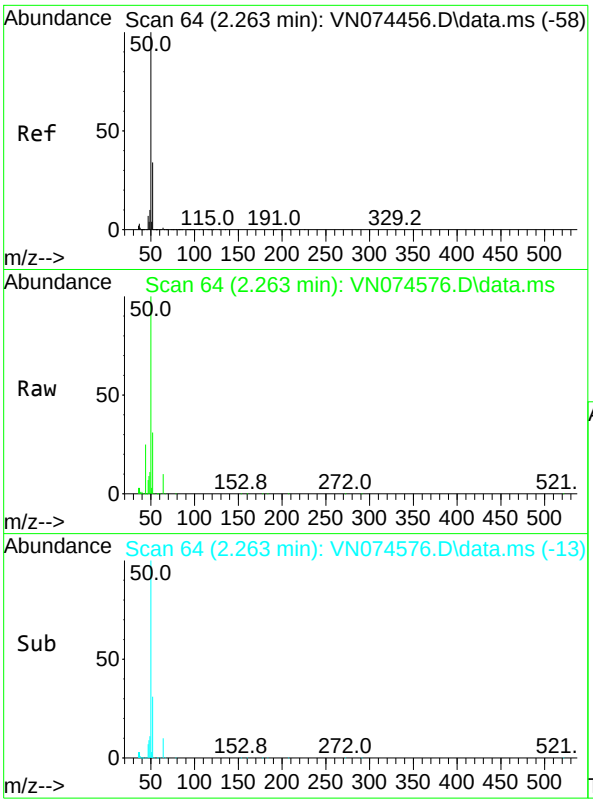


#2
Dichlorodifluoromethane
Concen: 44.086 ug/l
RT: 2.040 min Scan# 26
Delta R.T. -0.000 min
Lab File: VN074576.D
Acq: 19 Sep 2022 10:44

Tgt Ion: 85 Resp: 110083

Ion	Ratio	Lower	Upper
85	100		
87	34.4	15.7	47.1

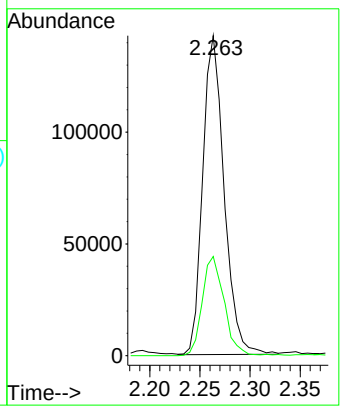




#3
Chloromethane
Concen: 50.604 ug/l
RT: 2.263 min Scan# 64
Delta R.T. 0.000 min
Lab File: VN074576.D
Acq: 19 Sep 2022 10:44

Tgt Ion: 50 Resp: 21255

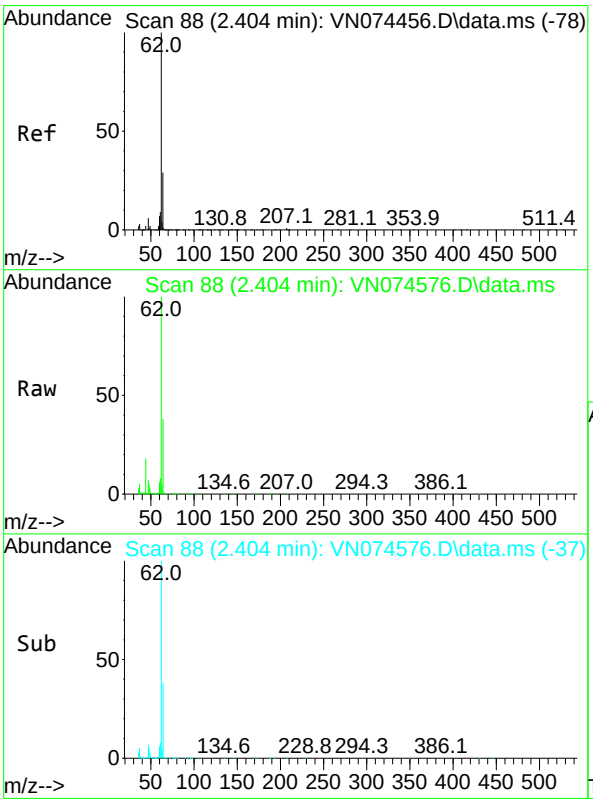
Ion	Ratio	Lower	Upper
50	100		
52	31.2	25.7	38.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

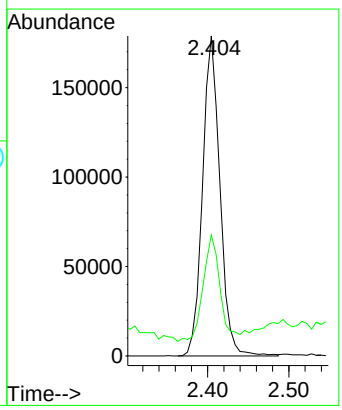
Reviewed By :Krupa Patel 09/21/2022
Supervised By :Mahesh Dadoda 09/21/2022

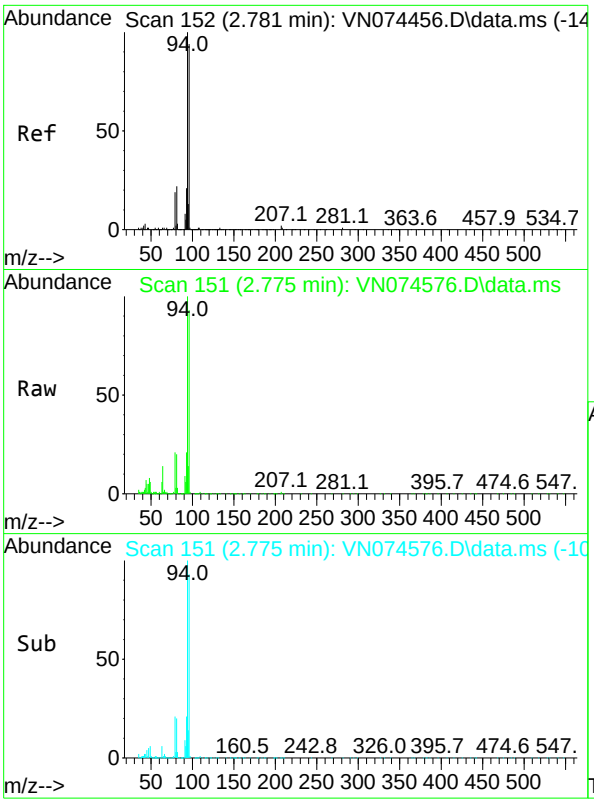


#4
Vinyl Chloride
Concen: 59.112 ug/l
RT: 2.404 min Scan# 88
Delta R.T. 0.000 min
Lab File: VN074576.D
Acq: 19 Sep 2022 10:44

Tgt Ion: 62 Resp: 265686

Ion	Ratio	Lower	Upper
62	100		
64	33.3	25.0	37.4

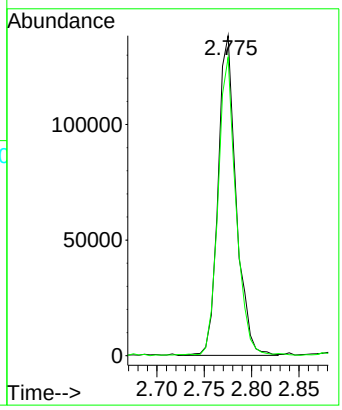




#5
Bromomethane
Concen: 77.417 ug/l
RT: 2.775 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN074576.D
Acq: 19 Sep 2022 10:44

Tgt Ion: 94 Resp: 18350

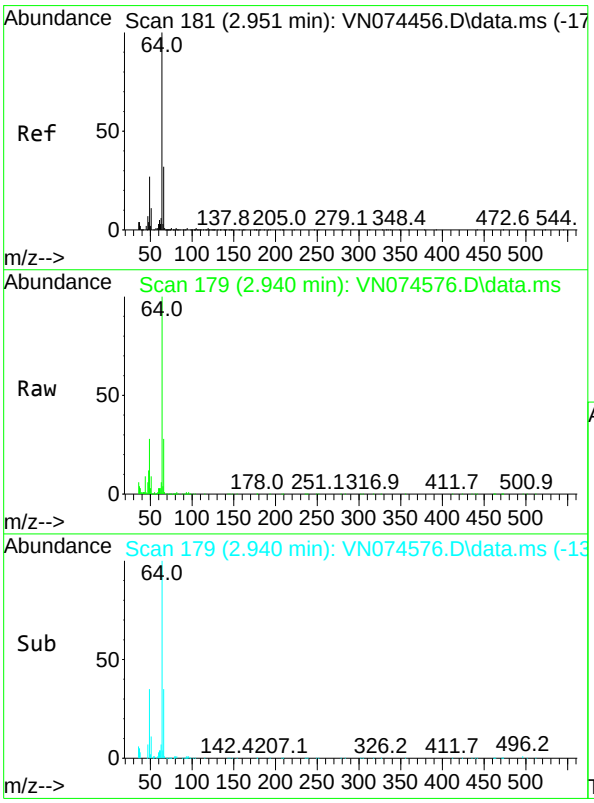
Ion	Ratio	Lower	Upper
94	100		
96	93.2	76.0	114.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

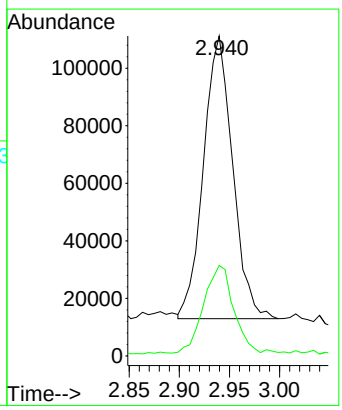
Reviewed By :Krupa Patel 09/21/2022
Supervised By :Mahesh Dadoda 09/21/2022

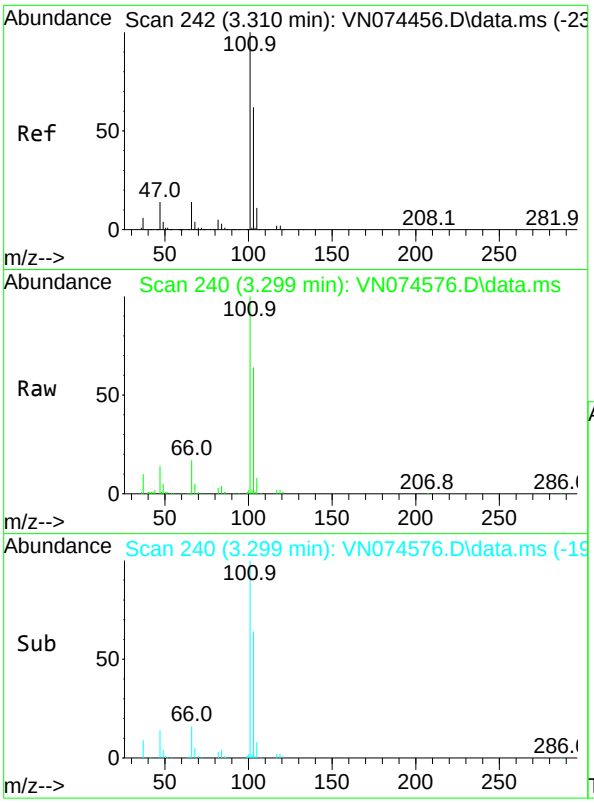


#6
Chloroethane
Concen: 64.864 ug/l
RT: 2.940 min Scan# 179
Delta R.T. -0.011 min
Lab File: VN074576.D
Acq: 19 Sep 2022 10:44

Tgt Ion: 64 Resp: 199139

Ion	Ratio	Lower	Upper
64	100		
66	30.8	26.2	39.4

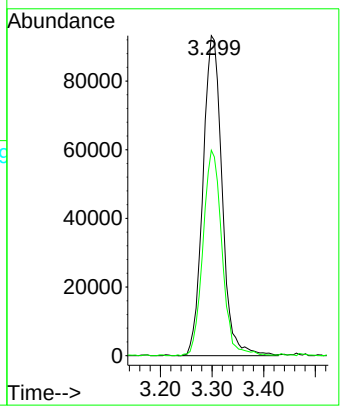




#7
Trichlorofluoromethane
Concen: 48.274 ug/l
RT: 3.299 min Scan# 24
Delta R.T. -0.011 min
Lab File: VN074576.D
Acq: 19 Sep 2022 10:44

Tgt Ion:101 Resp: 23960

Ion	Ratio	Lower	Upper
101	100		
103	64.0	51.5	77.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Krupa Patel 09/21/2022
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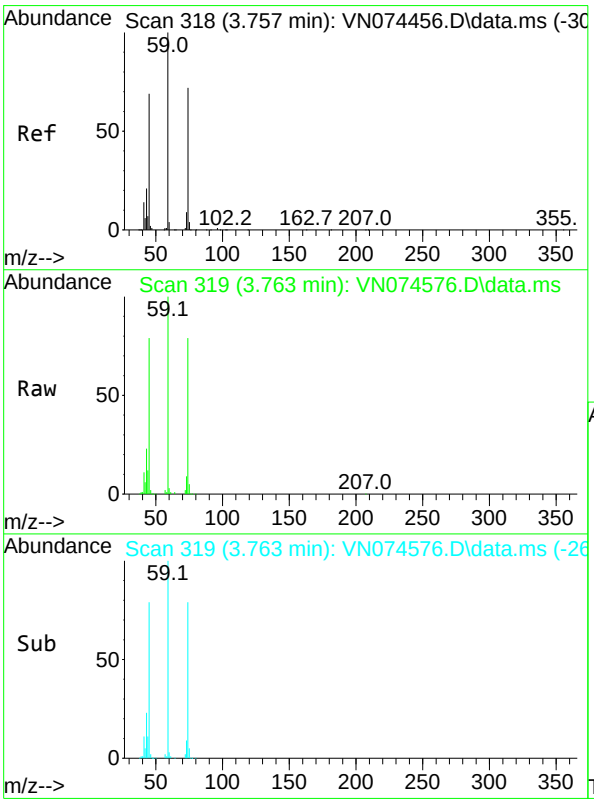
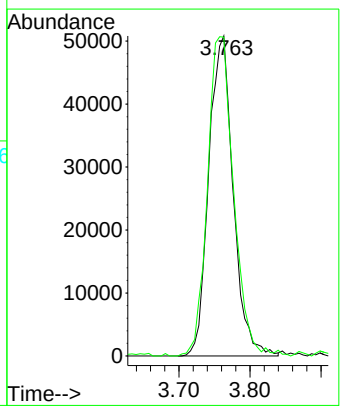
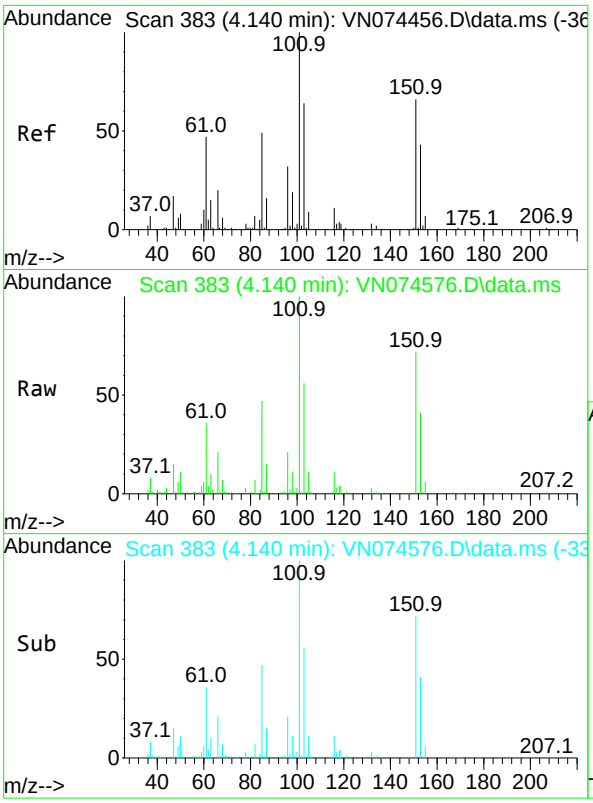


#8
Diethyl Ether
Concen: 47.807 ug/l
RT: 3.763 min Scan# 319
Delta R.T. 0.006 min
Lab File: VN074576.D
Acq: 19 Sep 2022 10:44

Tgt Ion: 74 Resp: 121006

Ion	Ratio	Lower	Upper
74	100		
45	106.5	42.9	128.5

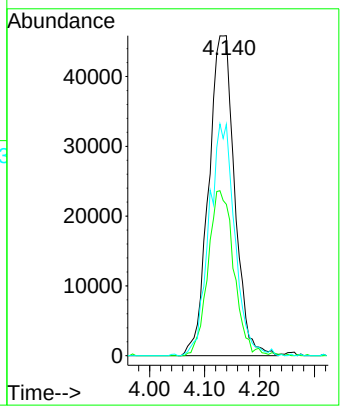




#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.996 ug/l
RT: 4.140 min Scan# 3
Delta R.T. -0.000 min
Lab File: VN074576.D
Acq: 19 Sep 2022 10:44

Tgt Ion:101 Resp: 15045

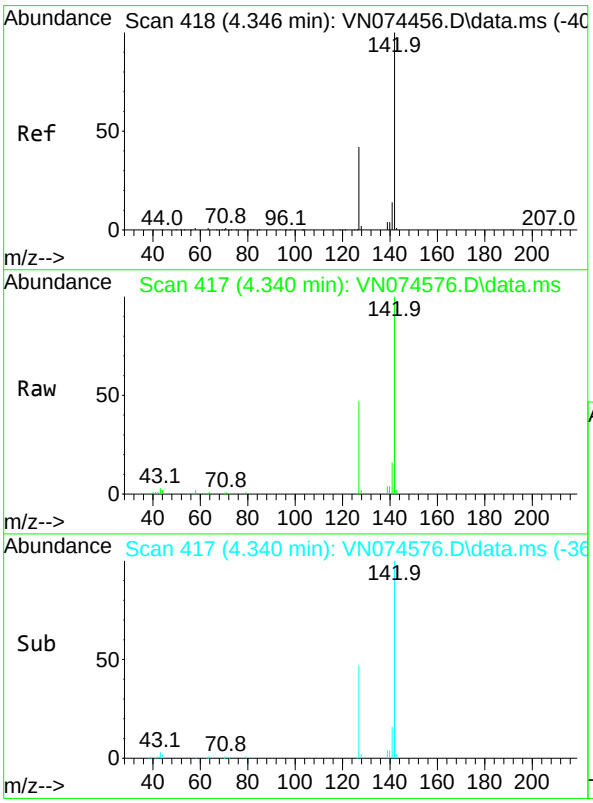
Ion	Ratio	Lower	Upper
101	100		
85	51.2	34.7	52.1
151	72.0	63.0	94.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

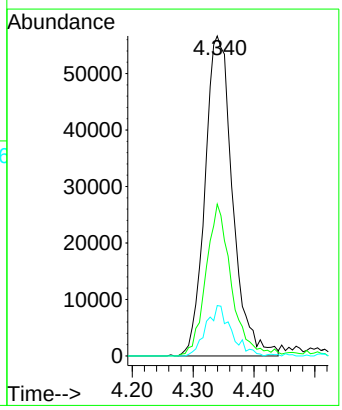
Reviewed By :Krupa Patel 09/21/2022
Supervised By :Mahesh Dadoda 09/21/2022

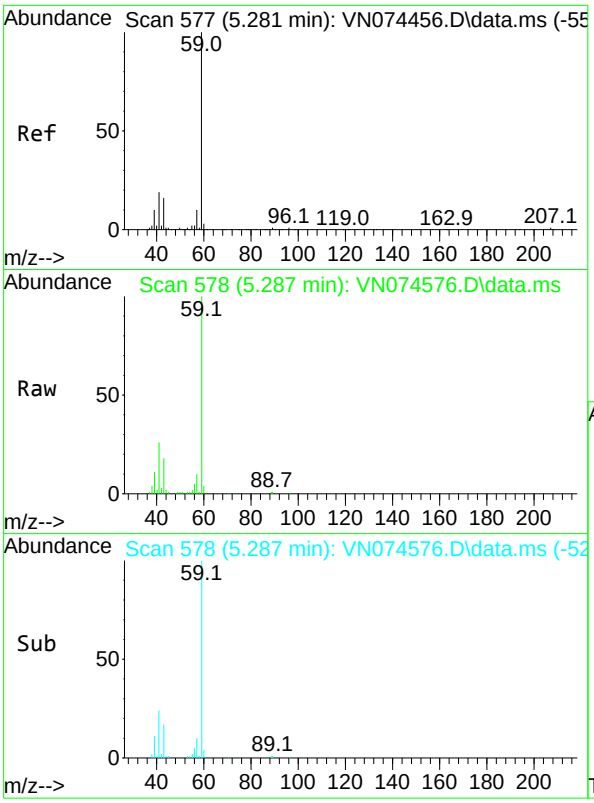


#10
Methyl Iodide
Concen: 49.128 ug/l
RT: 4.340 min Scan# 417
Delta R.T. -0.006 min
Lab File: VN074576.D
Acq: 19 Sep 2022 10:44

Tgt Ion:142 Resp: 177964

Ion	Ratio	Lower	Upper
142	100		
127	43.9	31.3	46.9
141	14.4	11.2	16.8

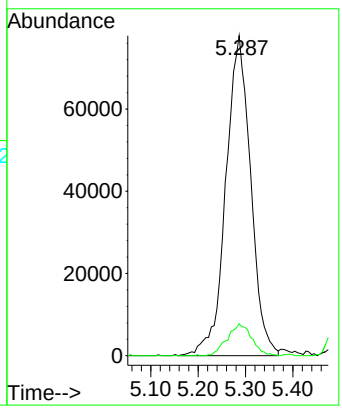




#11
Tert butyl alcohol
Concen: 224.204 ug/l
RT: 5.287 min Scan# 5
Delta R.T. 0.006 min
Lab File: VN074576.D
Acq: 19 Sep 2022 10:44

Tgt Ion: 59 Resp: 28431

Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.3	12.5



Instrument :
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ClientSampleId :
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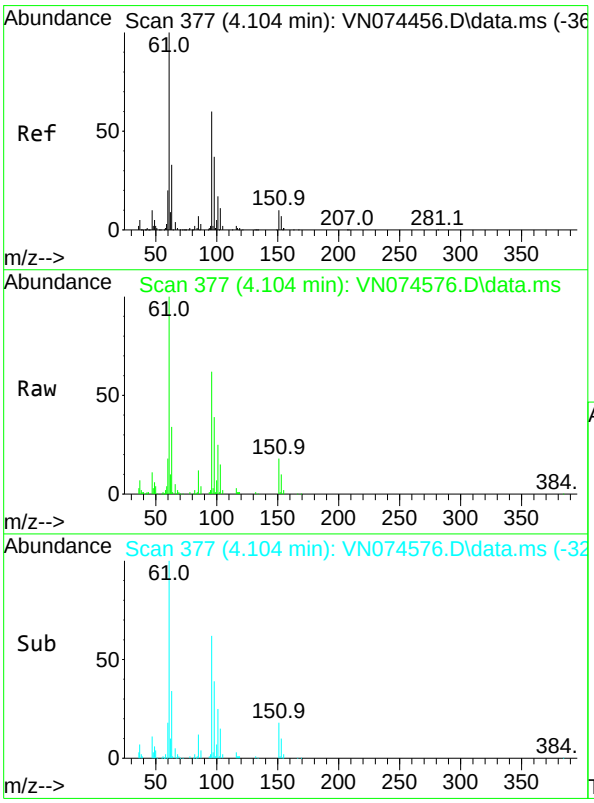
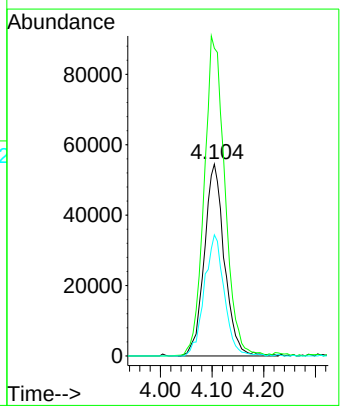
Supervised By :Mahesh Dadoda 09/21/2022

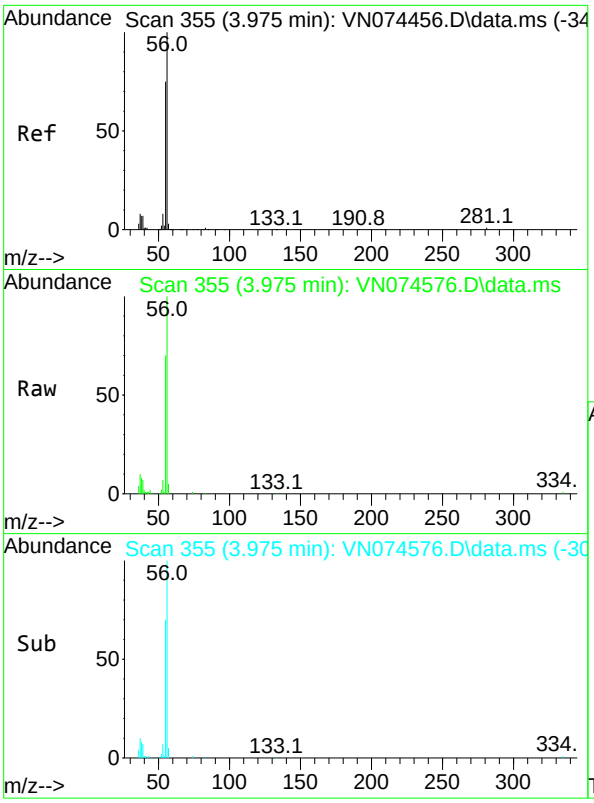


#12
1,1-Dichloroethene
Concen: 48.707 ug/l
RT: 4.104 min Scan# 377
Delta R.T. 0.000 min
Lab File: VN074576.D
Acq: 19 Sep 2022 10:44

Tgt Ion: 96 Resp: 147262

Ion	Ratio	Lower	Upper
96	100		
61	160.0	127.6	191.4
98	63.2	51.2	76.8

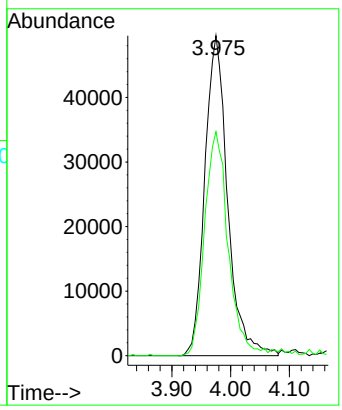




#13
Acrolein
Concen: 288.156 ug/l
RT: 3.975 min Scan# 3
Delta R.T. -0.000 min
Lab File: VN074576.D
Acq: 19 Sep 2022 10:44

Tgt Ion: 56 Resp: 13344

Ion	Ratio	Lower	Upper
56	100		
55	72.1	54.8	82.2



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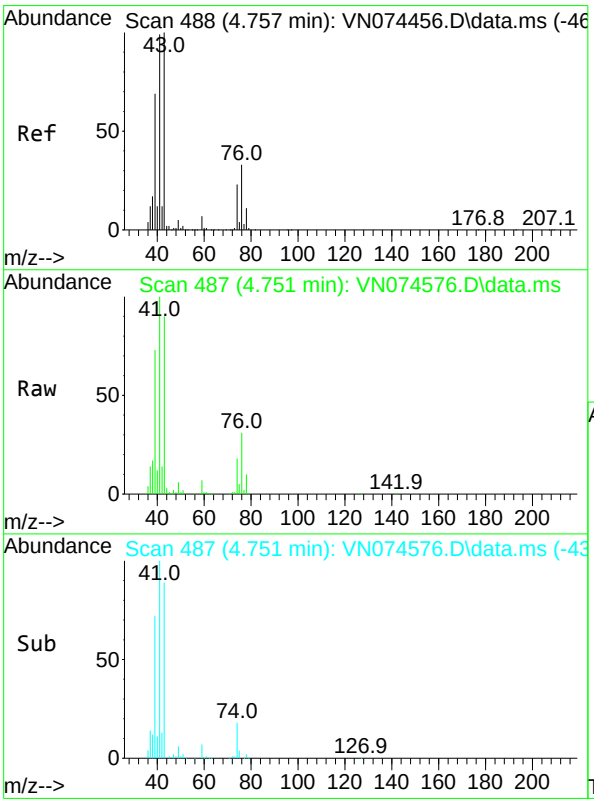
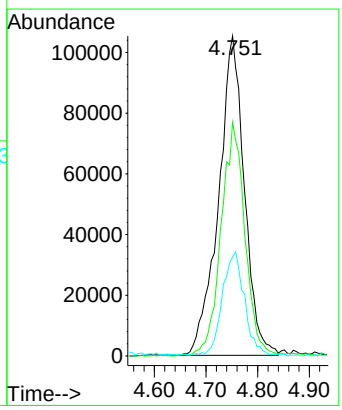
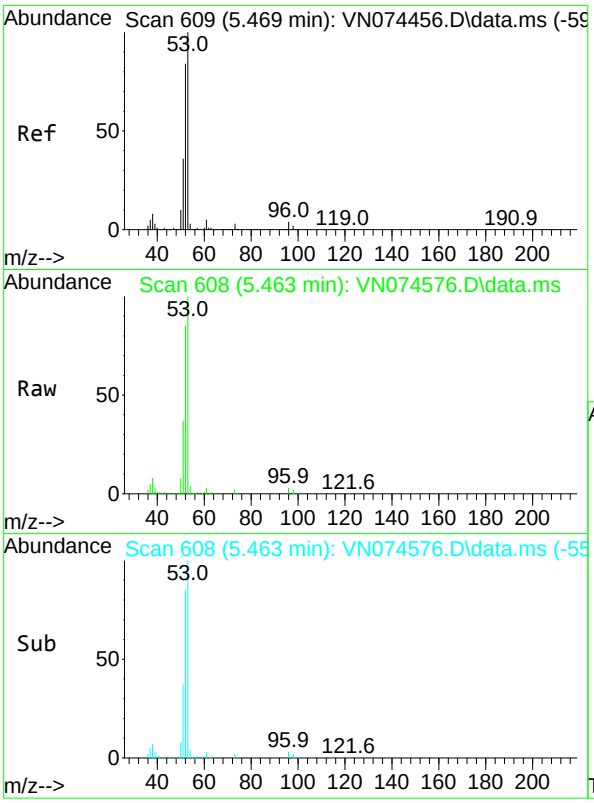


#14
Allyl chloride
Concen: 50.711 ug/l
RT: 4.751 min Scan# 487
Delta R.T. -0.006 min
Lab File: VN074576.D
Acq: 19 Sep 2022 10:44

Tgt Ion: 41 Resp: 365899

Ion	Ratio	Lower	Upper
41	100		
39	66.9	53.2	79.8
76	27.2	29.9	44.9#

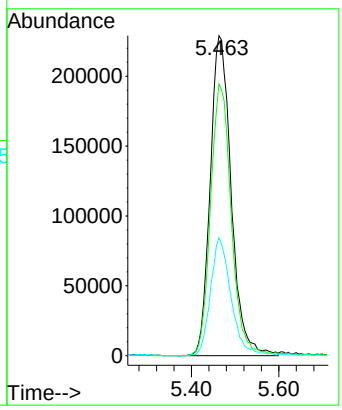




#15
Acrylonitrile
Concen: 266.948 ug/l
RT: 5.463 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN074576.D
Acq: 19 Sep 2022 10:44

Tgt Ion: 53 Resp: 76053

Ion	Ratio	Lower	Upper
53	100		
52	83.8	66.4	99.6
51	36.1	28.5	42.7



Instrument :
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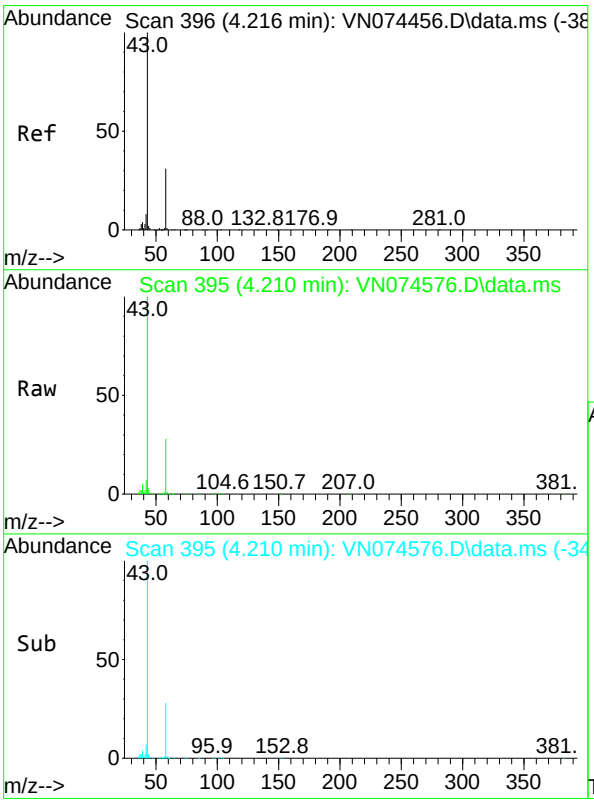
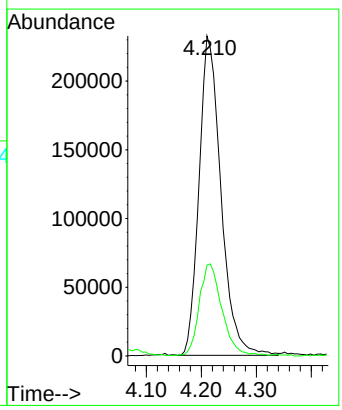
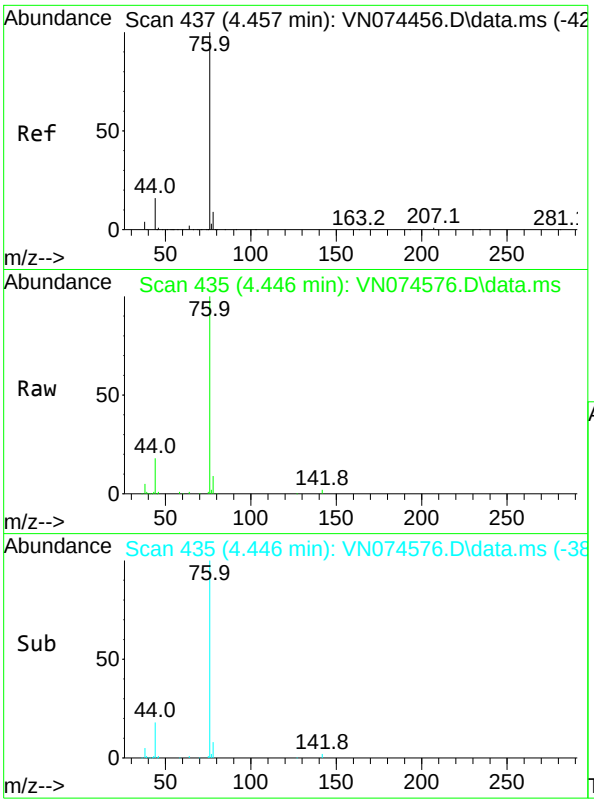


#16
Acetone
Concen: 258.672 ug/l
RT: 4.210 min Scan# 395
Delta R.T. -0.006 min
Lab File: VN074576.D
Acq: 19 Sep 2022 10:44

Tgt Ion: 43 Resp: 644365

Ion	Ratio	Lower	Upper
43	100		
58	28.2	26.0	39.0

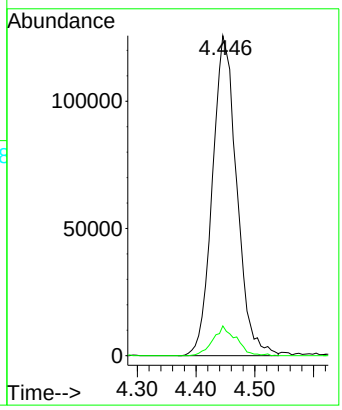




#17
Carbon Disulfide
Concen: 43.775 ug/l
RT: 4.446 min Scan# 4
Delta R.T. -0.011 min
Lab File: VN074576.D
Acq: 19 Sep 2022 10:44

Tgt Ion: 76 Resp: 36271

Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.2	10.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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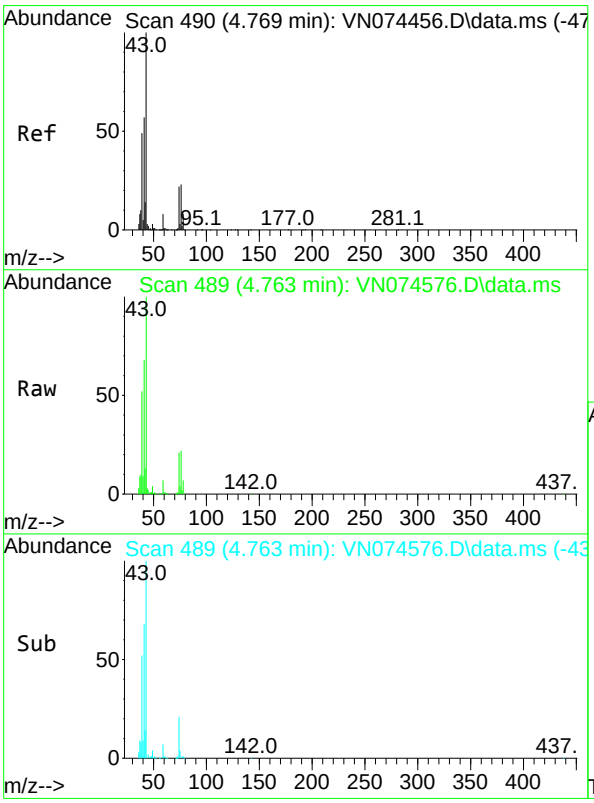
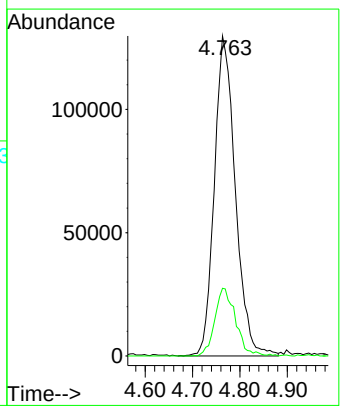
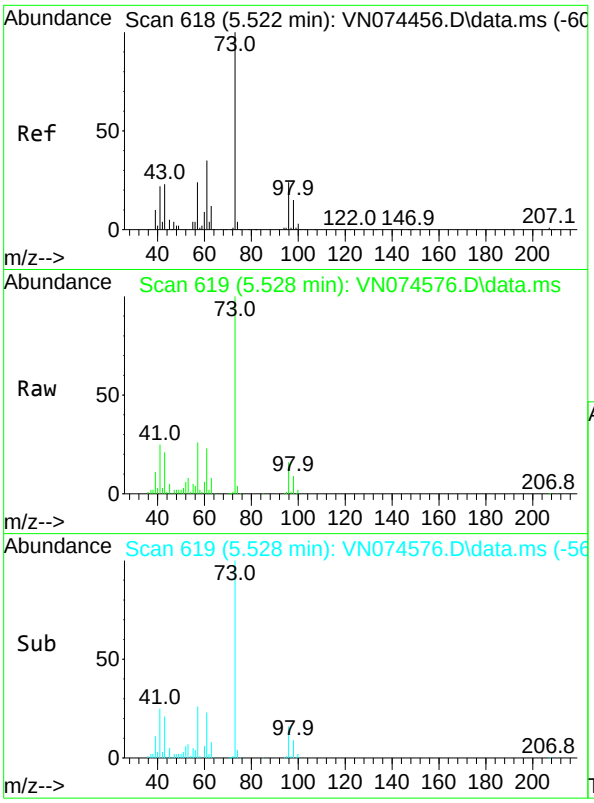


#18
Methyl Acetate
Concen: 51.687 ug/l
RT: 4.763 min Scan# 489
Delta R.T. -0.006 min
Lab File: VN074576.D
Acq: 19 Sep 2022 10:44

Tgt Ion: 43 Resp: 399913

Ion	Ratio	Lower	Upper
43	100		
74	20.9	21.6	32.4#

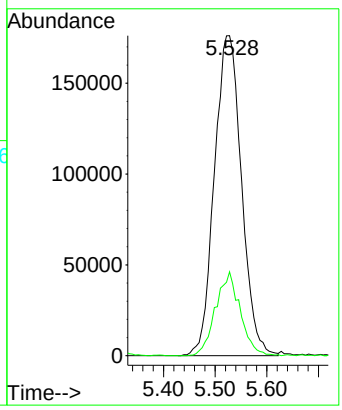




#19
Methyl tert-butyl Ether
Concen: 50.408 ug/l
RT: 5.528 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN074576.D
Acq: 19 Sep 2022 10:44

Tgt Ion: 73 Resp: 64195

Ion	Ratio	Lower	Upper
73	100		
57	26.2	17.6	26.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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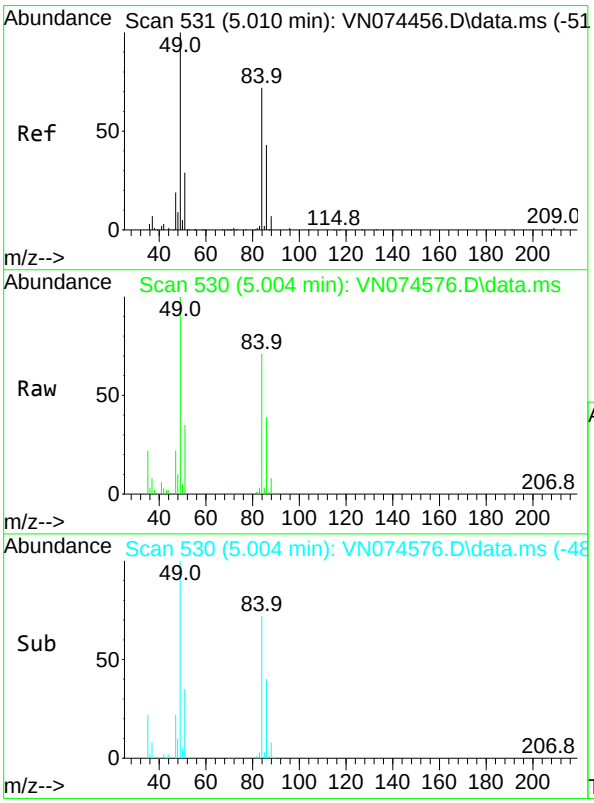
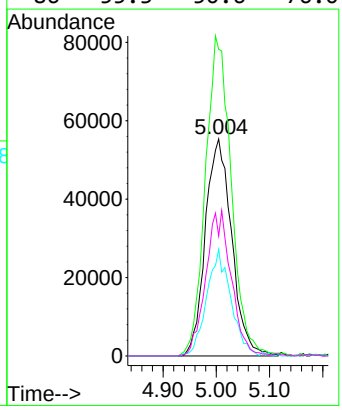
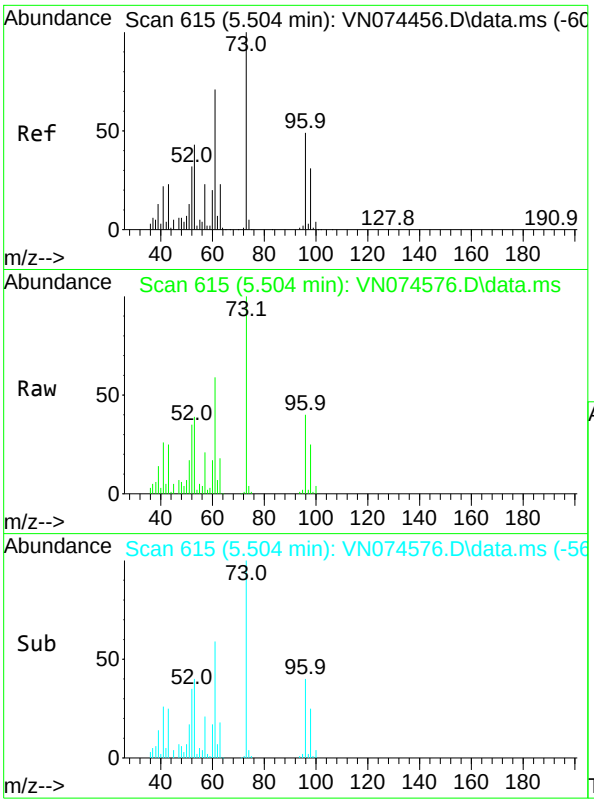


#20
Methylene Chloride
Concen: 50.039 ug/l
RT: 5.004 min Scan# 530
Delta R.T. -0.006 min
Lab File: VN074576.D
Acq: 19 Sep 2022 10:44

Tgt Ion: 84 Resp: 190304

Ion	Ratio	Lower	Upper
84	100		
49	141.3	88.3	132.5#
51	49.1	28.2	42.2#
86	55.3	50.6	76.0

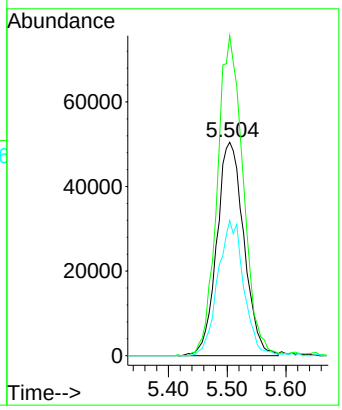




#21
trans-1,2-Dichloroethene
Concen: 48.558 ug/l
RT: 5.504 min Scan# 61
Delta R.T. 0.000 min
Lab File: VN074576.D
Acq: 19 Sep 2022 10:44

Tgt Ion: 96 Resp: 16112

Ion	Ratio	Lower	Upper
96	100		
61	149.5	105.8	158.8
98	63.3	50.3	75.5



Instrument :
MSVOA_N
ClientSampleId :
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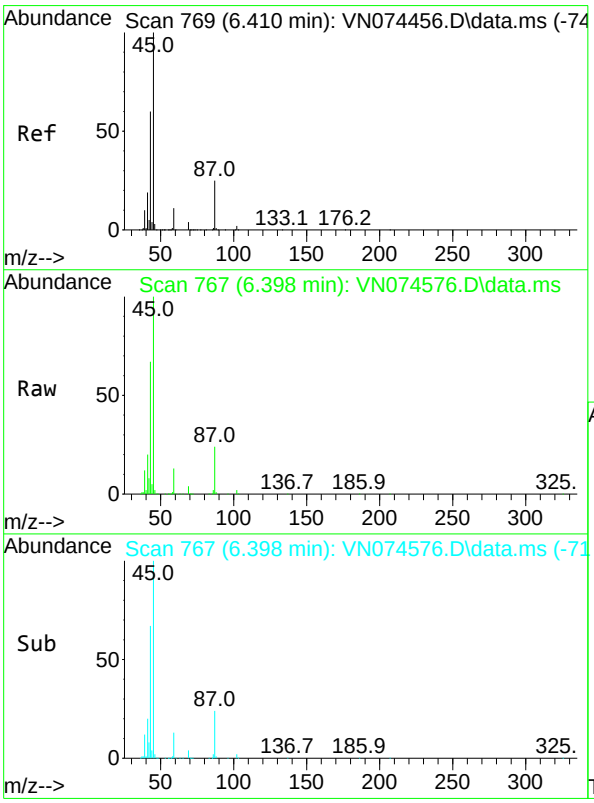
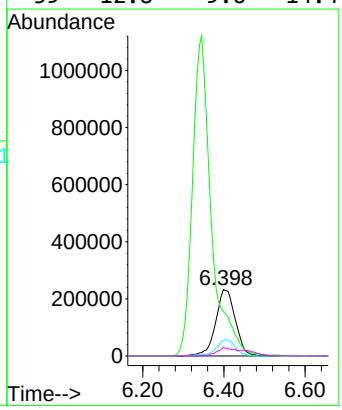
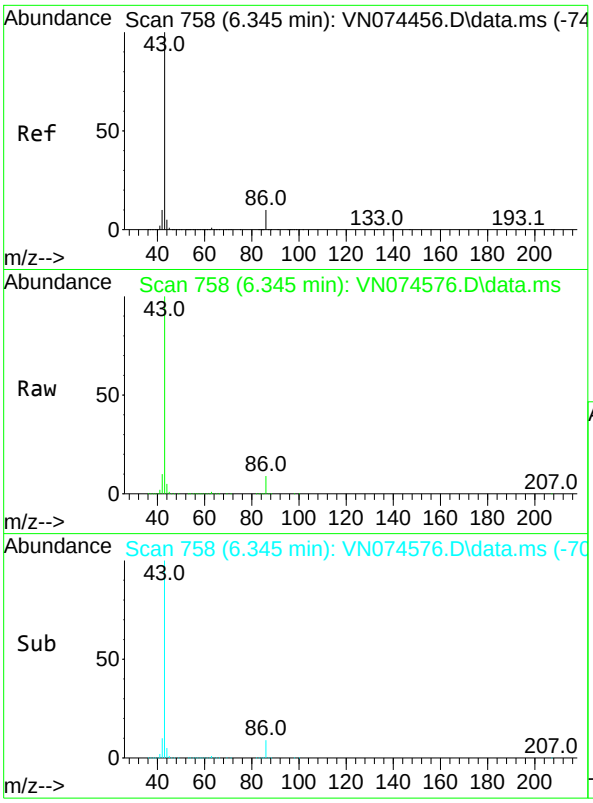


#22
Diisopropyl ether
Concen: 54.082 ug/l
RT: 6.398 min Scan# 767
Delta R.T. -0.012 min
Lab File: VN074576.D
Acq: 19 Sep 2022 10:44

Tgt Ion: 45 Resp: 783584

Ion	Ratio	Lower	Upper
45	100		
43	65.3	46.6	70.0
87	23.6	24.3	36.5#
59	12.8	9.6	14.4

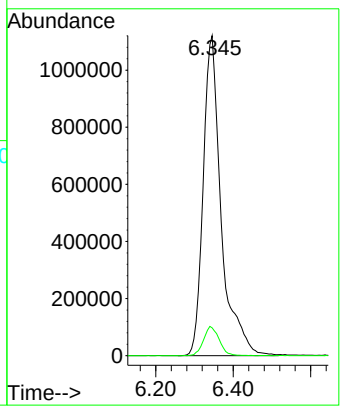




#23
Vinyl Acetate
Concen: 283.040 ug/l
RT: 6.345 min Scan# 7
Delta R.T. 0.000 min
Lab File: VN074576.D
Acq: 19 Sep 2022 10:44

Tgt Ion: 43 Resp: 361698

Ion	Ratio	Lower	Upper
43	100		
86	8.7	10.0	15.0#



Instrument :
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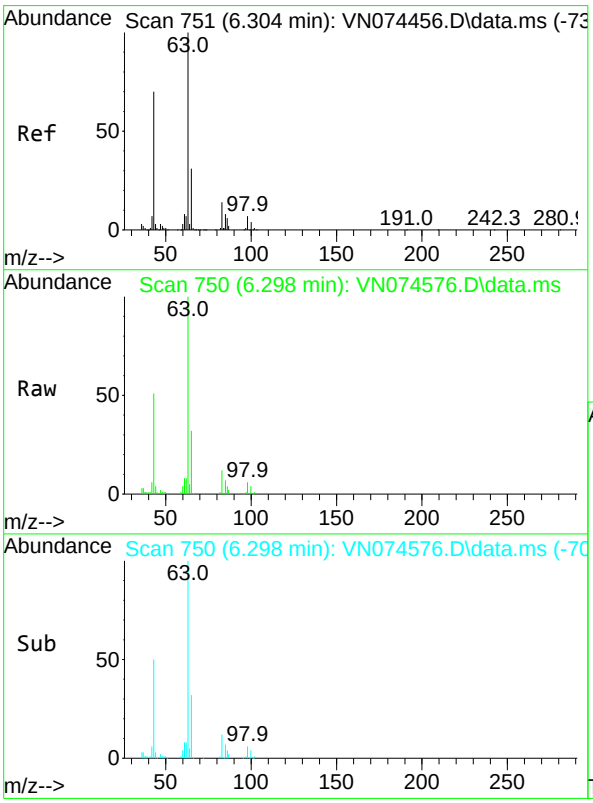
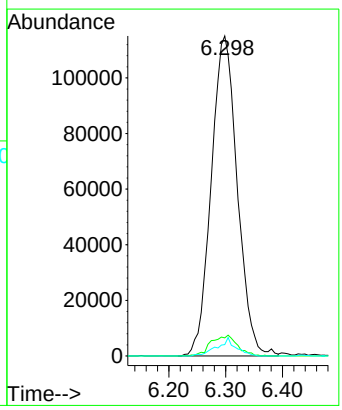
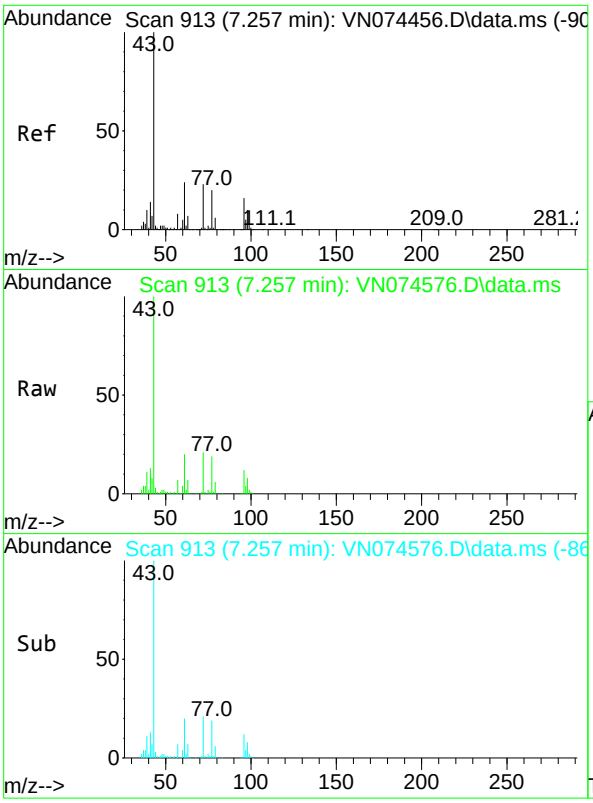


#24
1,1-Dichloroethane
Concen: 50.730 ug/l
RT: 6.298 min Scan# 750
Delta R.T. -0.006 min
Lab File: VN074576.D
Acq: 19 Sep 2022 10:44

Tgt Ion: 63 Resp: 367399

Ion	Ratio	Lower	Upper
63	100		
98	5.6	3.5	10.4
100	3.5	2.3	6.8

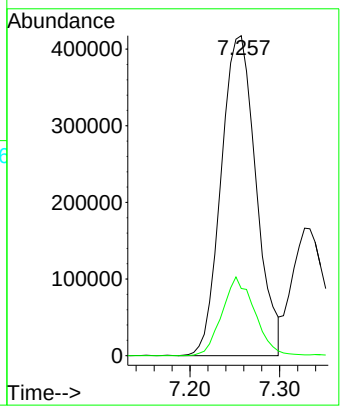




#25
2-Butanone
Concen: 273.385 ug/l
RT: 7.257 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN074576.D
Acq: 19 Sep 2022 10:44

Tgt Ion: 43 Resp: 113069

Ion	Ratio	Lower	Upper
43	100		
72	21.0	23.7	35.5#



Instrument :
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ClientSampleId :
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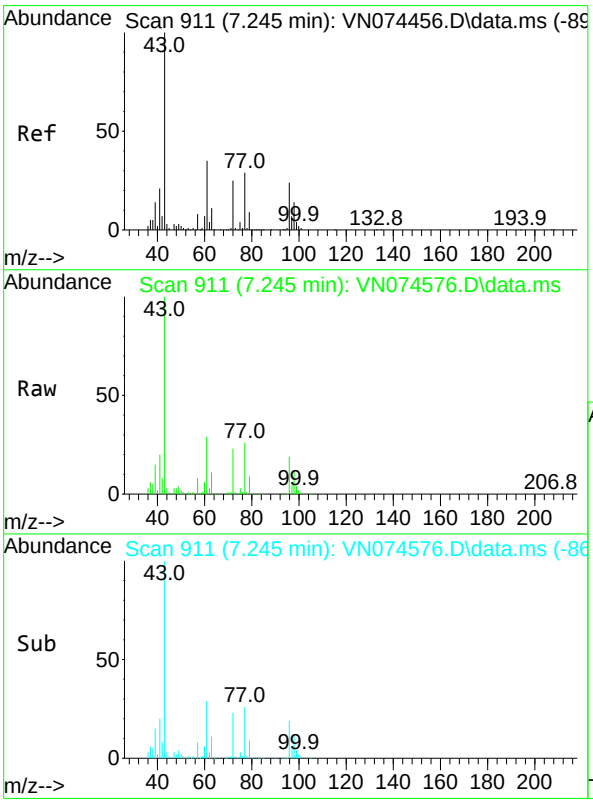
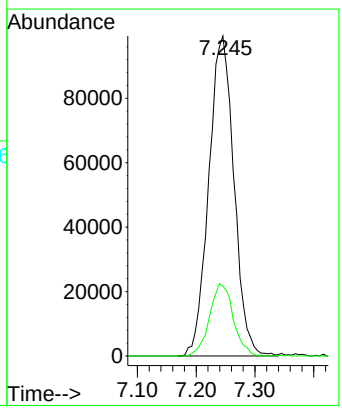
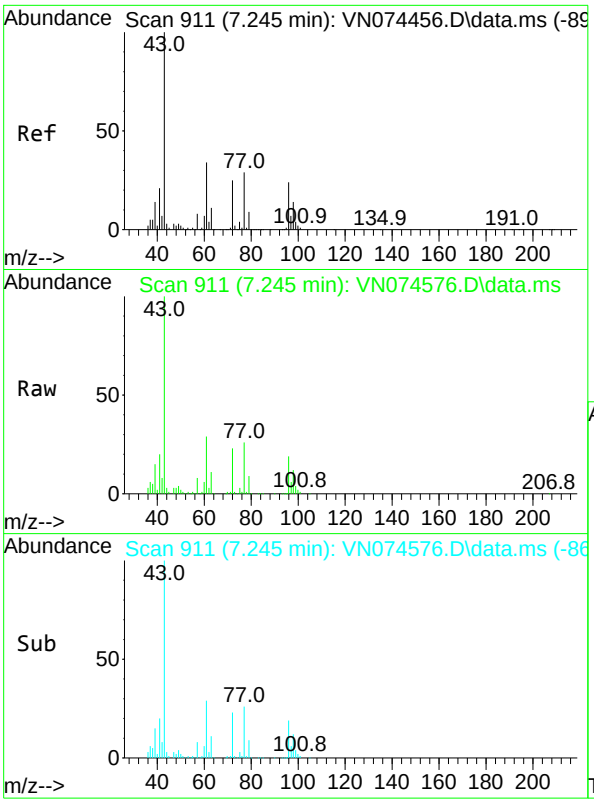


#26
2,2-Dichloropropane
Concen: 47.320 ug/l
RT: 7.245 min Scan# 911
Delta R.T. 0.000 min
Lab File: VN074576.D
Acq: 19 Sep 2022 10:44

Tgt Ion: 77 Resp: 295466

Ion	Ratio	Lower	Upper
77	100		
97	21.4	11.4	34.2

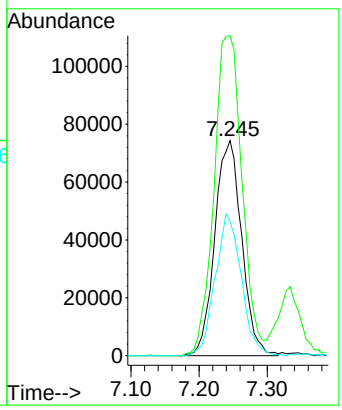




#27
cis-1,2-Dichloroethene
Concen: 48.124 ug/l
RT: 7.245 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN074576.D
Acq: 19 Sep 2022 10:44

Tgt Ion: 96 Resp: 20444

Ion	Ratio	Lower	Upper
96	100		
61	156.0	0.0	280.6
98	63.8	0.0	128.4



Instrument :
MSVOA_N
ClientSampleId :
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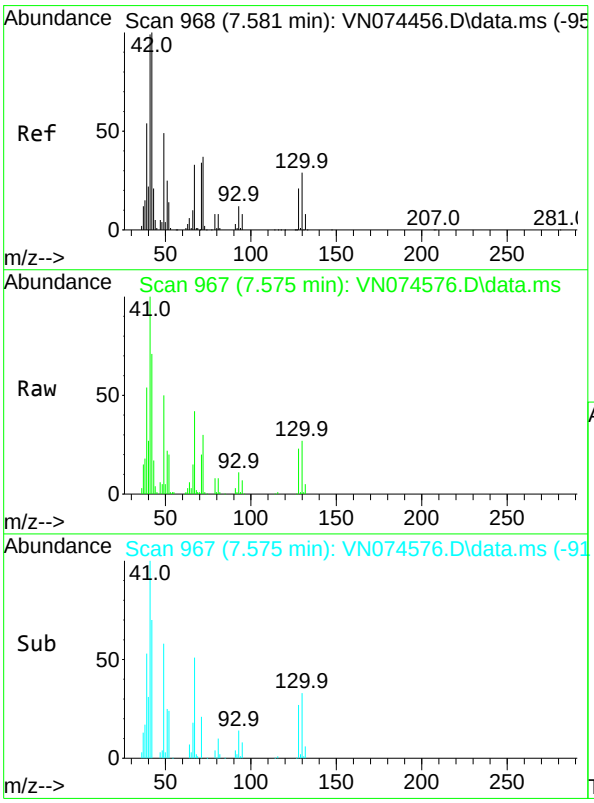
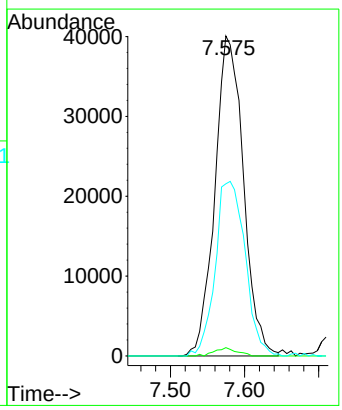
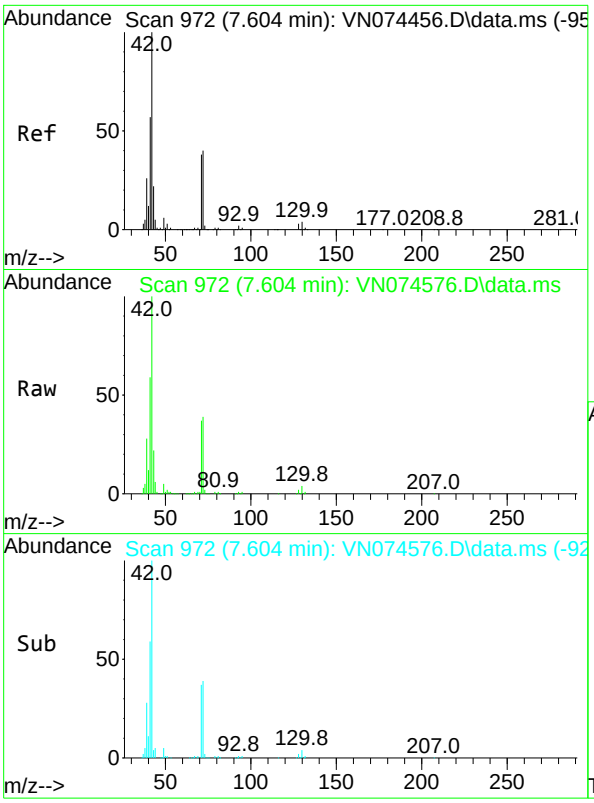


#28
Bromochloromethane
Concen: 50.135 ug/l
RT: 7.575 min Scan# 967
Delta R.T. -0.006 min
Lab File: VN074576.D
Acq: 19 Sep 2022 10:44

Tgt Ion: 49 Resp: 106925

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.6
130	57.1	69.7	104.5#

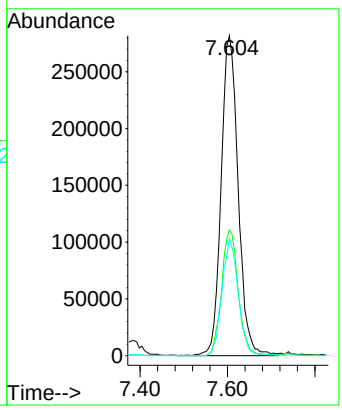




#29
Tetrahydrofuran
Concen: 279.262 ug/l
RT: 7.604 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN074576.D
Acq: 19 Sep 2022 10:44

Tgt Ion: 42 Resp: 75940

Ion	Ratio	Lower	Upper
42	100		
72	38.2	39.7	59.5#
71	35.1	36.6	55.0#



Instrument :
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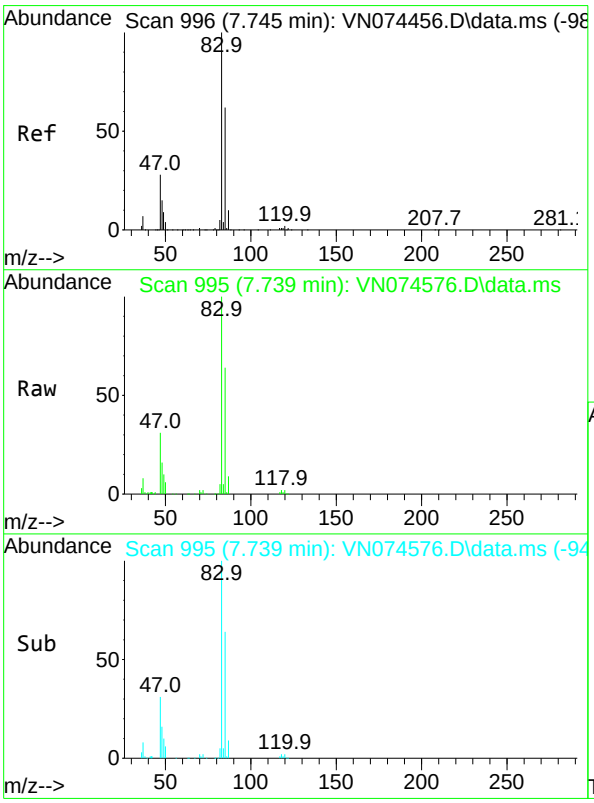
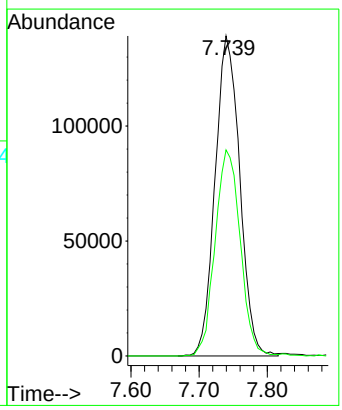
Supervised By :Mahesh Dadoda 09/21/2022

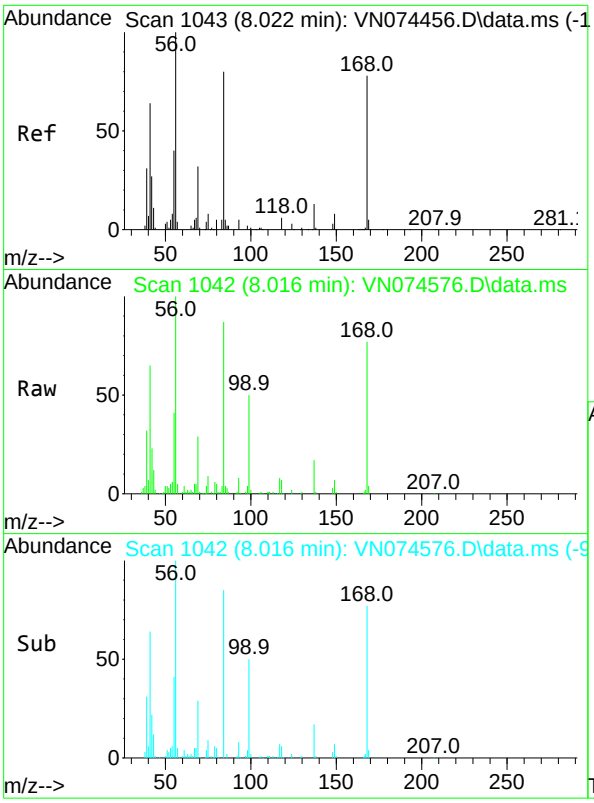


#30
Chloroform
Concen: 52.413 ug/l
RT: 7.739 min Scan# 995
Delta R.T. -0.006 min
Lab File: VN074576.D
Acq: 19 Sep 2022 10:44

Tgt Ion: 83 Resp: 350357

Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.8	77.8

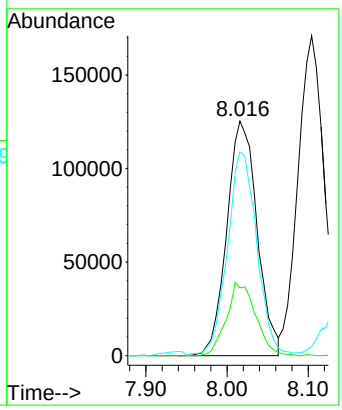




#31
Cyclohexane
Concen: 47.062 ug/l
RT: 8.016 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN074576.D
Acq: 19 Sep 2022 10:44

Tgt Ion: 56 Resp: 32519

Ion	Ratio	Lower	Upper
56	100		
69	28.9	27.8	41.8
84	85.1	76.9	115.3



Instrument :
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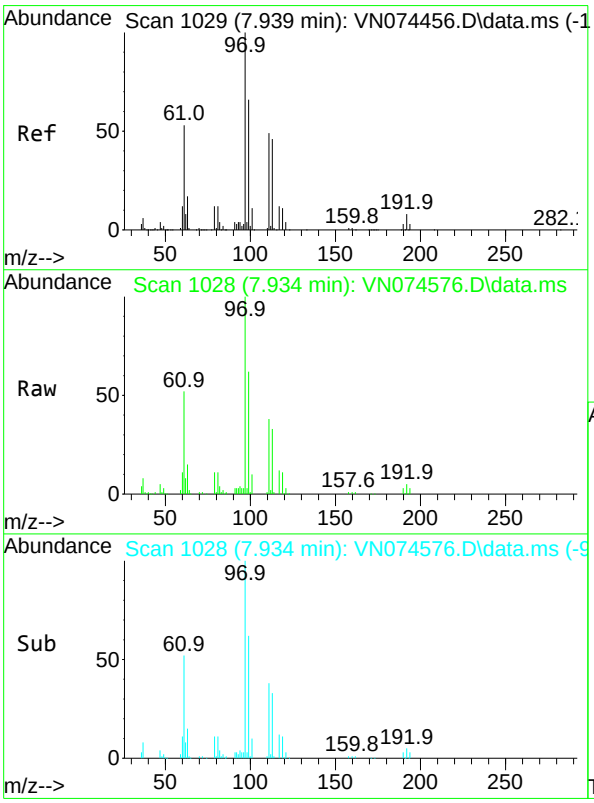
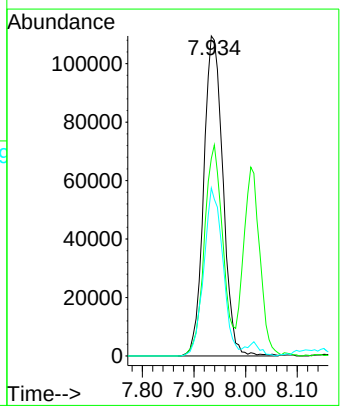
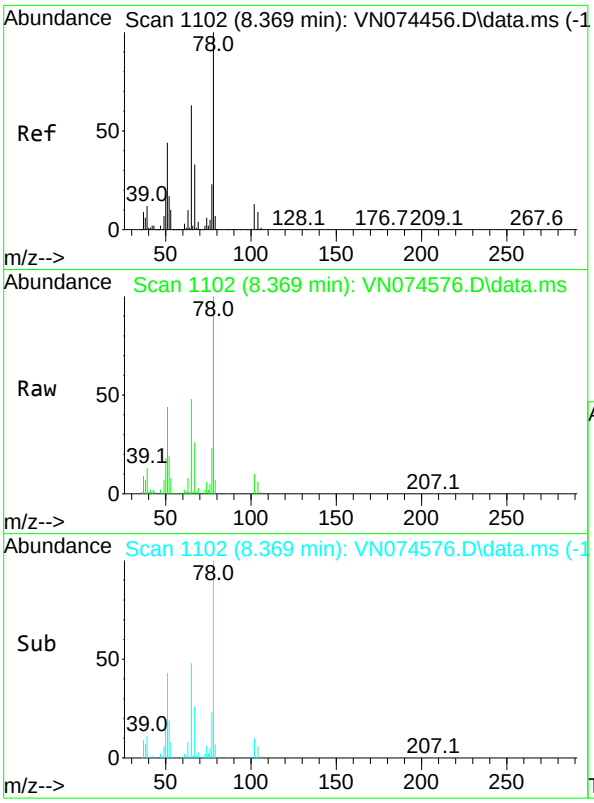


#32
1,1,1-Trichloroethane
Concen: 48.246 ug/l
RT: 7.934 min Scan# 1028
Delta R.T. -0.005 min
Lab File: VN074576.D
Acq: 19 Sep 2022 10:44

Tgt Ion: 97 Resp: 282853

Ion	Ratio	Lower	Upper
97	100		
99	63.7	50.6	76.0
61	51.9	36.0	54.0





#33
1,2-Dichloroethane-d4
Concen: 49.251 ug/l
RT: 8.369 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN074576.D
Acq: 19 Sep 2022 10:44

Tgt Ion: 65 Resp: 19172

Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	104.8

Instrument :
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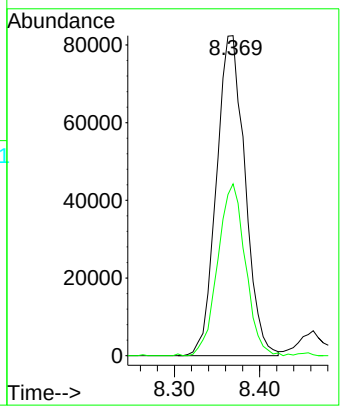
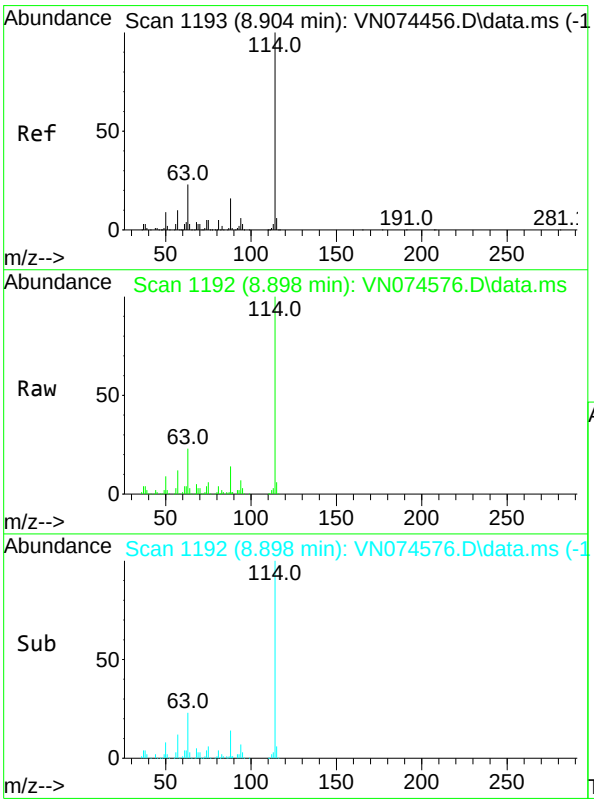
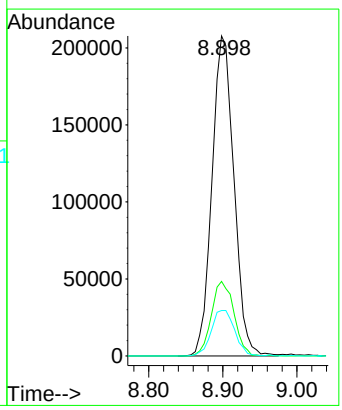


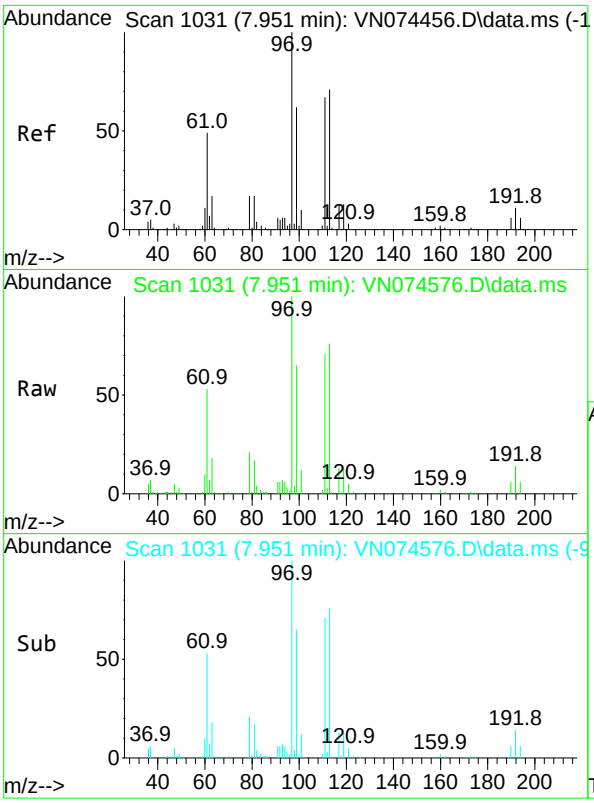


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.898 min Scan# 1192
Delta R.T. -0.006 min
Lab File: VN074576.D
Acq: 19 Sep 2022 10:44

Tgt Ion:114 Resp: 427896

Ion	Ratio	Lower	Upper
114	100		
63	23.3	0.0	40.0
88	14.2	0.0	32.6

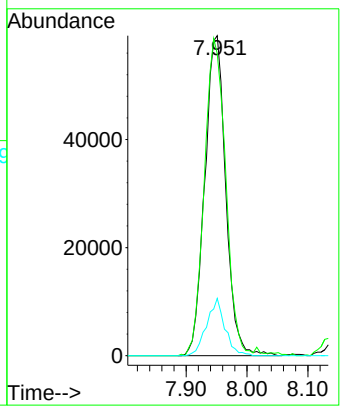




#35
Dibromofluoromethane
Concen: 49.845 ug/l
RT: 7.951 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074576.D
Acq: 19 Sep 2022 10:44

Tgt Ion:113 Resp: 14168

Ion	Ratio	Lower	Upper
113	100		
111	101.0	81.4	122.0
192	15.6	17.0	25.6



Instrument :
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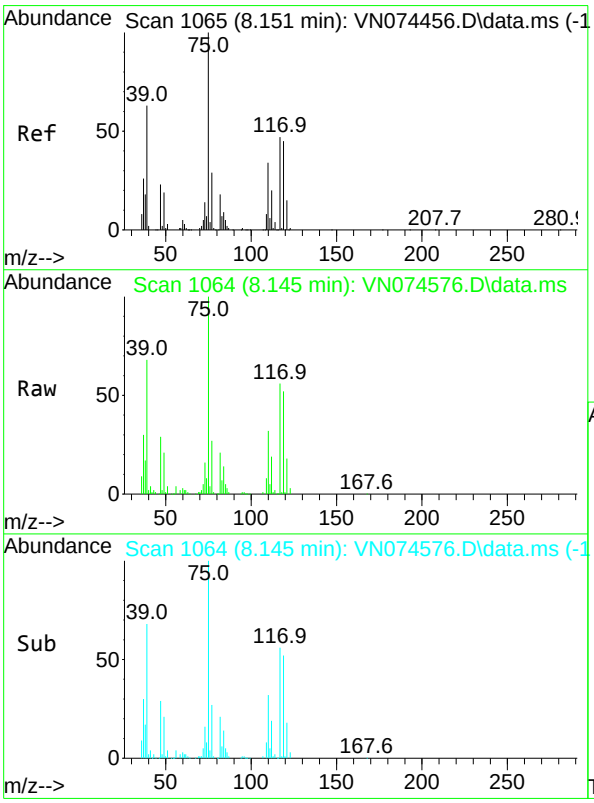
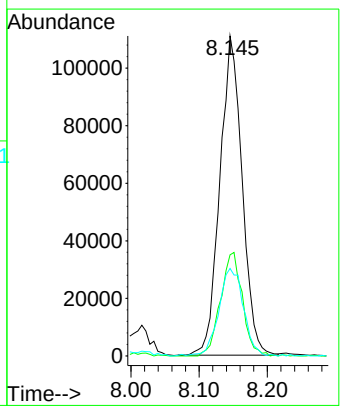
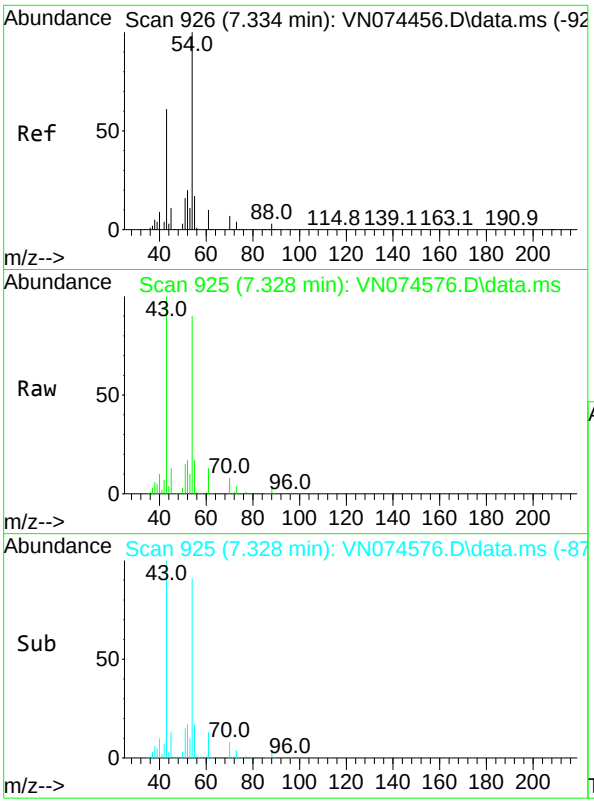


#36
1,1-Dichloropropene
Concen: 50.077 ug/l
RT: 8.145 min Scan# 1064
Delta R.T. -0.006 min
Lab File: VN074576.D
Acq: 19 Sep 2022 10:44

Tgt Ion: 75 Resp: 251946

Ion	Ratio	Lower	Upper
75	100		
110	31.9	18.3	54.8
77	30.4	25.1	37.7

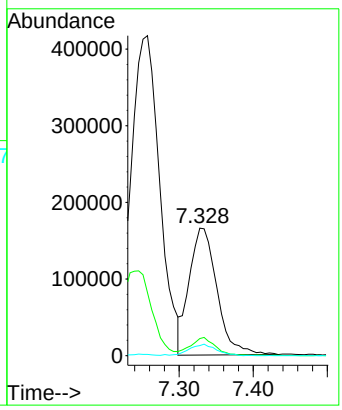




#37
Ethyl Acetate
Concen: 55.692 ug/l
RT: 7.328 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN074576.D
Acq: 19 Sep 2022 10:44

Tgt Ion: 43 Resp: 43271

Ion	Ratio	Lower	Upper
43	100		
61	12.4	11.8	17.6
70	8.8	9.3	13.9



Instrument :
MSVOA_N
ClientSampleId :
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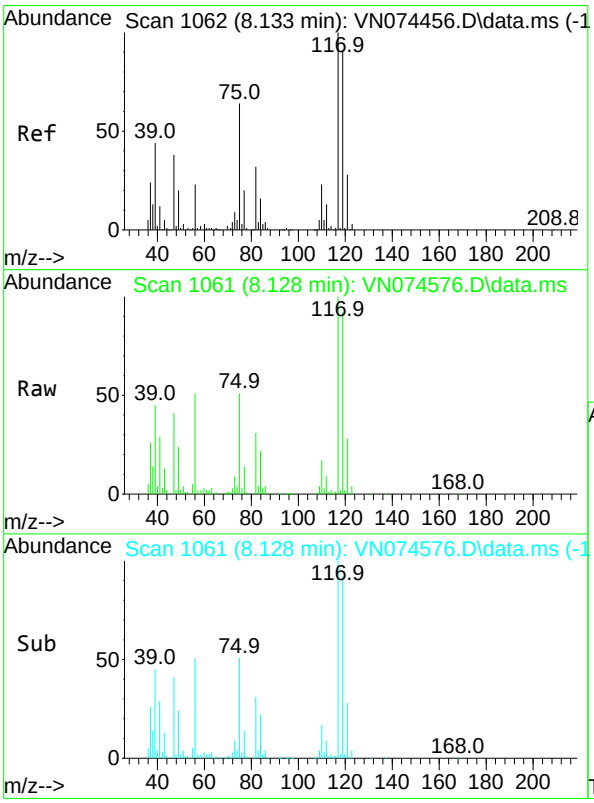
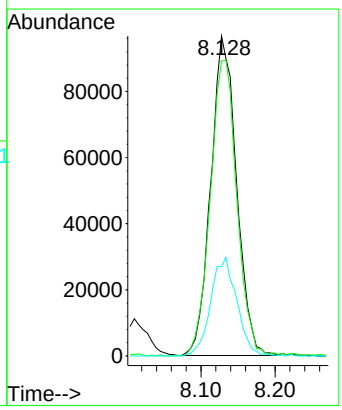
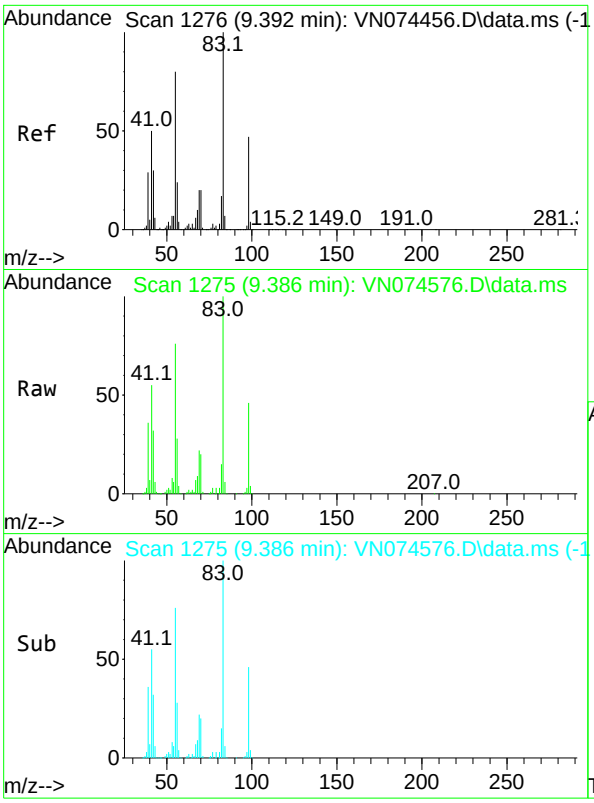


#38
Carbon Tetrachloride
Concen: 50.149 ug/l
RT: 8.128 min Scan# 1061
Delta R.T. -0.005 min
Lab File: VN074576.D
Acq: 19 Sep 2022 10:44

Tgt Ion:117 Resp: 232951

Ion	Ratio	Lower	Upper
117	100		
119	92.1	75.8	113.8
121	27.9	24.6	37.0

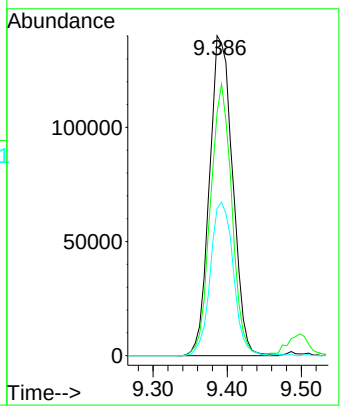




#39
Methylcyclohexane
Concen: 50.834 ug/l
RT: 9.386 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN074576.D
Acq: 19 Sep 2022 10:44

Tgt Ion: 83 Resp: 30412

Ion	Ratio	Lower	Upper
83	100		
55	75.9	57.8	86.8
98	46.1	39.4	59.2



Instrument :
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ClientSampleId :
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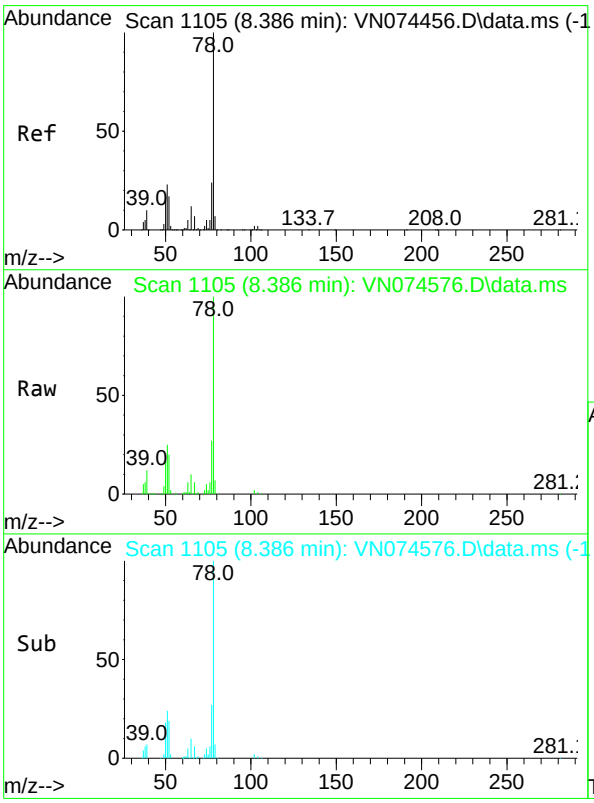
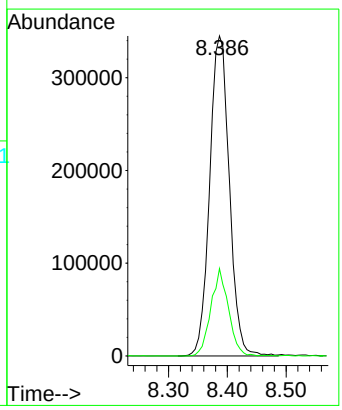
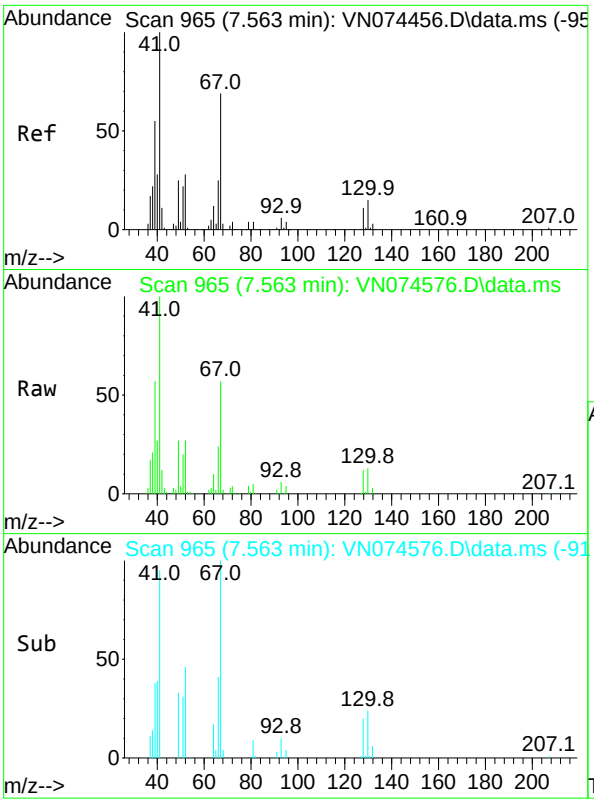


#40
Benzene
Concen: 51.520 ug/l
RT: 8.386 min Scan# 1105
Delta R.T. 0.000 min
Lab File: VN074576.D
Acq: 19 Sep 2022 10:44

Tgt Ion: 78 Resp: 801540

Ion	Ratio	Lower	Upper
78	100		
77	27.3	19.4	29.0

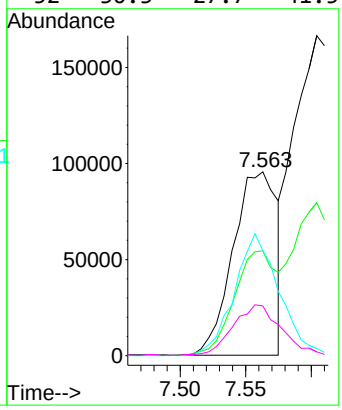




#41
Methacrylonitrile
Concen: 59.265 ug/l
RT: 7.563 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN074576.D
Acq: 19 Sep 2022 10:44

Tgt Ion: 41 Resp: 22262

Ion	Ratio	Lower	Upper
41	100		
39	54.8	48.6	73.0
67	67.6	73.4	110.2
52	30.3	27.7	41.5



Instrument :
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ClientSampleId :
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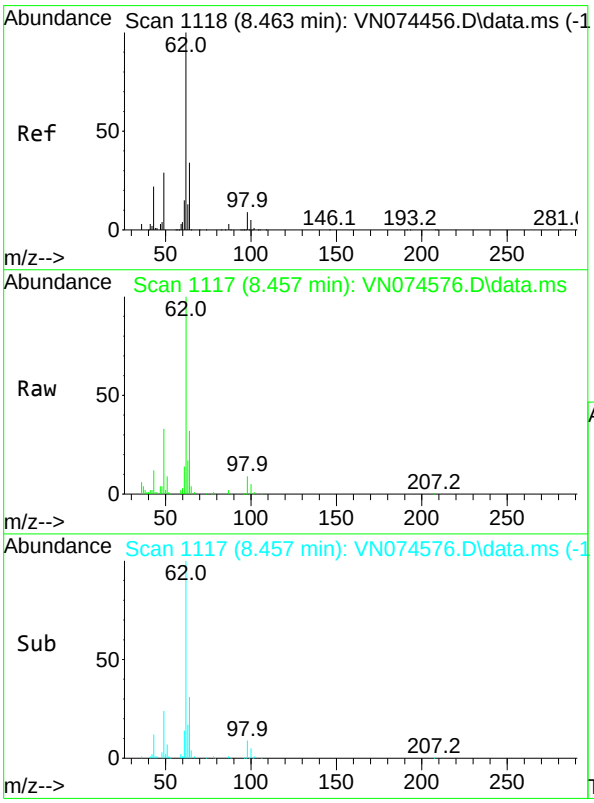
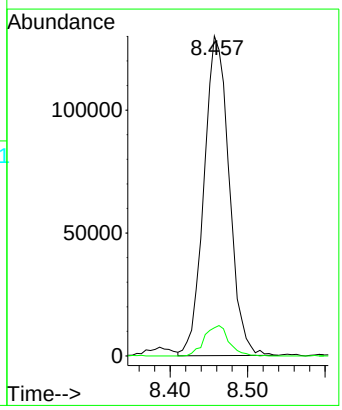
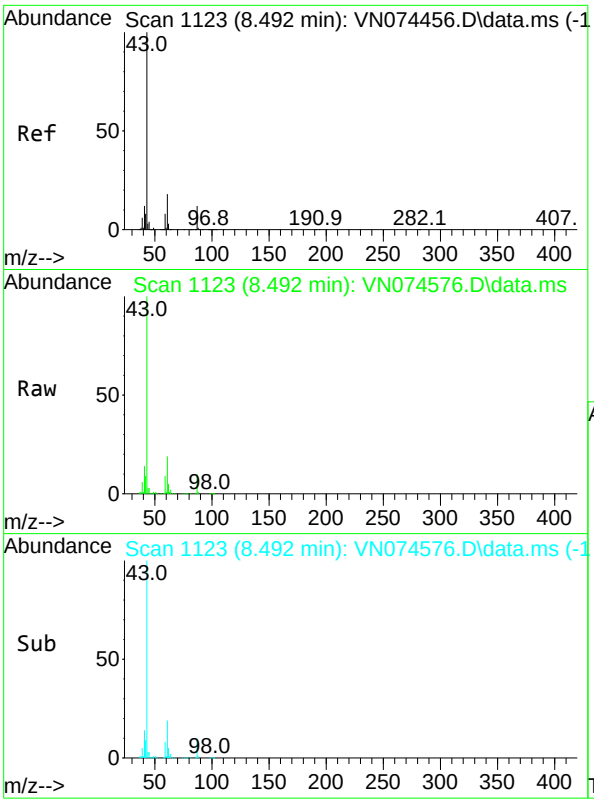


#42
1,2-Dichloroethane
Concen: 54.967 ug/l
RT: 8.457 min Scan# 1117
Delta R.T. -0.006 min
Lab File: VN074576.D
Acq: 19 Sep 2022 10:44

Tgt Ion: 62 Resp: 293467

Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	19.4

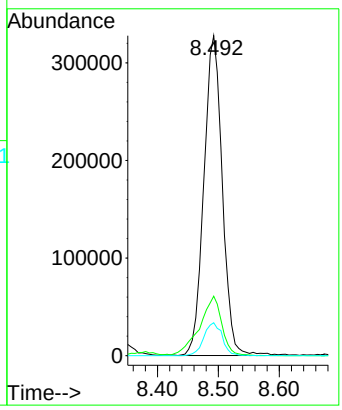




#43
Isopropyl Acetate
Concen: 56.637 ug/l
RT: 8.492 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074576.D
Acq: 19 Sep 2022 10:44

Tgt Ion: 43 Resp: 68931

Ion	Ratio	Lower	Upper
43	100		
61	22.5	21.9	32.9
87	10.3	12.0	18.0



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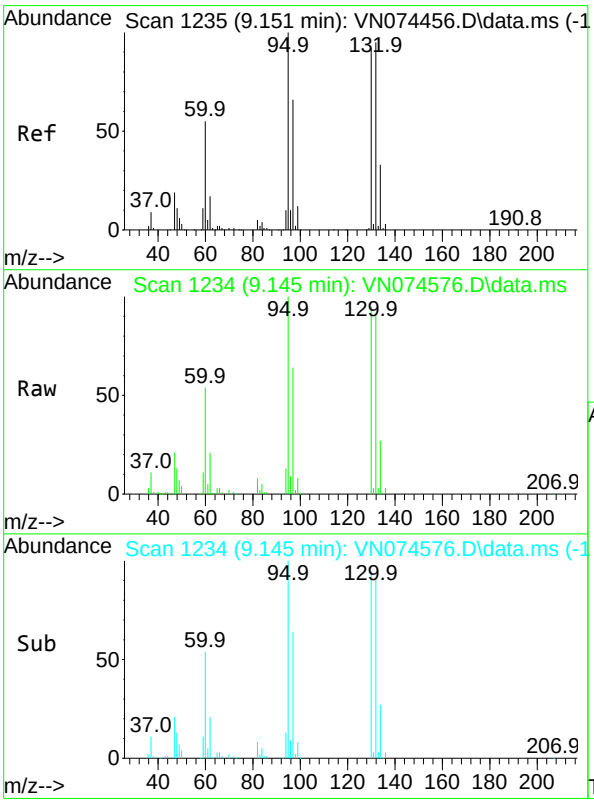
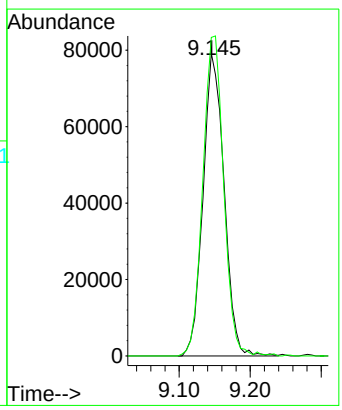
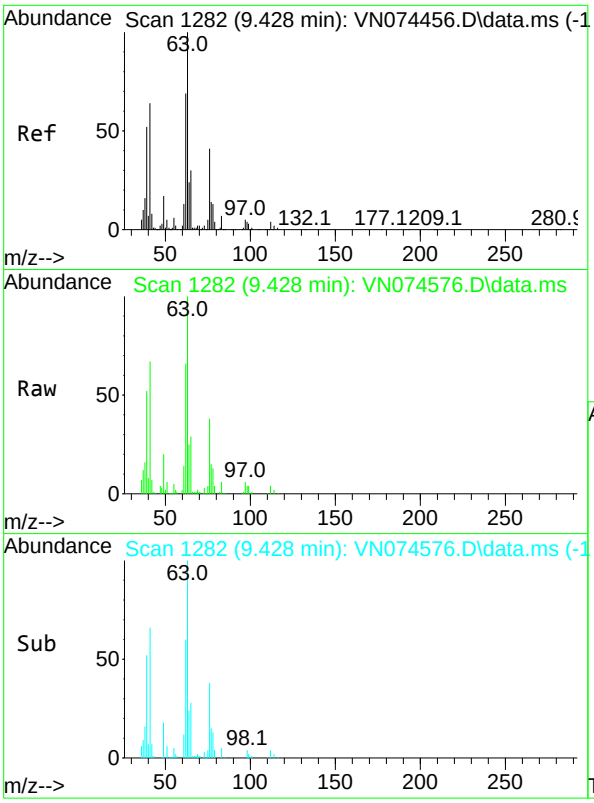


#44
Trichloroethene
Concen: 48.394 ug/l
RT: 9.145 min Scan# 1234
Delta R.T. -0.006 min
Lab File: VN074576.D
Acq: 19 Sep 2022 10:44

Tgt Ion:130 Resp: 162919

Ion	Ratio	Lower	Upper
130	100		
95	105.2	0.0	186.8

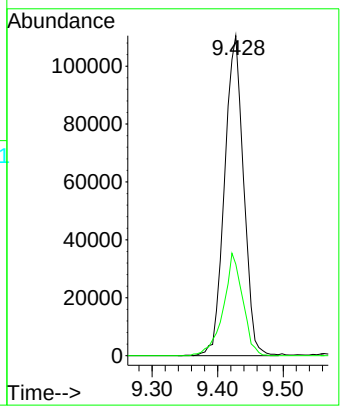




#45
1,2-Dichloropropane
Concen: 52.144 ug/l
RT: 9.428 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074576.D
Acq: 19 Sep 2022 10:44

Tgt Ion: 63 Resp: 22295

Ion	Ratio	Lower	Upper
63	100		
65	28.6	24.9	37.3



Instrument :
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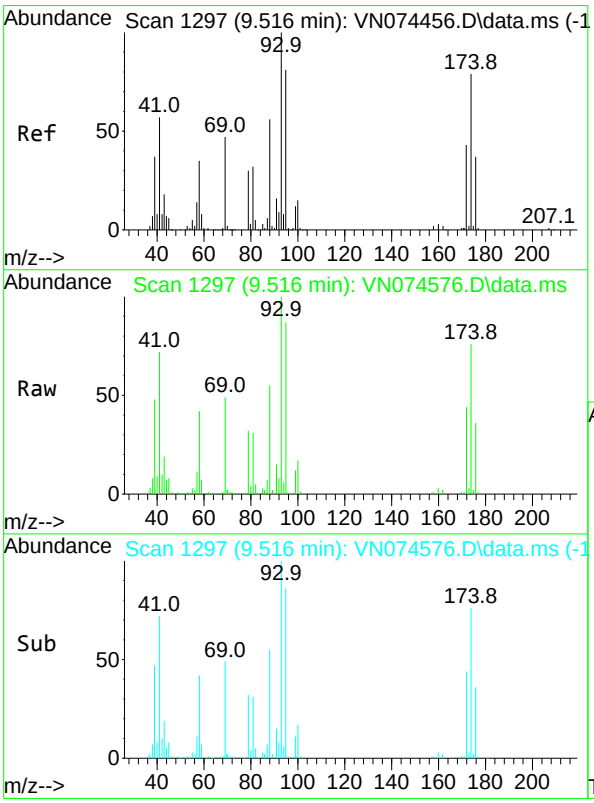
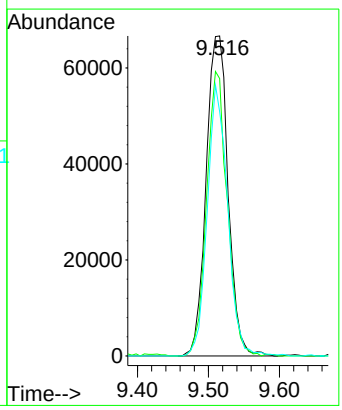
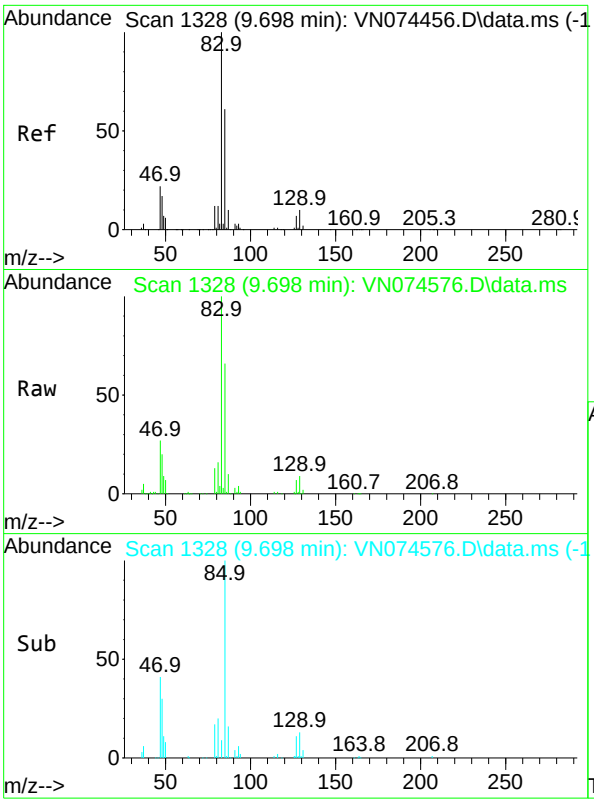


#46
Dibromomethane
Concen: 53.548 ug/l
RT: 9.516 min Scan# 1297
Delta R.T. -0.000 min
Lab File: VN074576.D
Acq: 19 Sep 2022 10:44

Tgt Ion: 93 Resp: 143396

Ion	Ratio	Lower	Upper
93	100		
95	83.5	66.9	100.3
174	78.4	86.6	130.0#

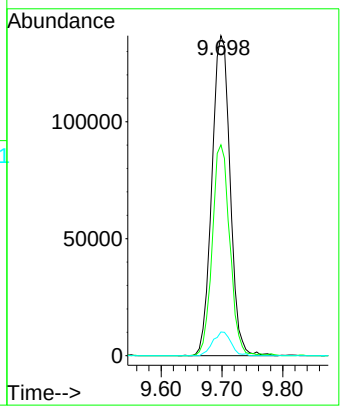




#47
Bromodichloromethane
Concen: 54.006 ug/l
RT: 9.698 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074576.D
Acq: 19 Sep 2022 10:44

Tgt Ion: 83 Resp: 28353

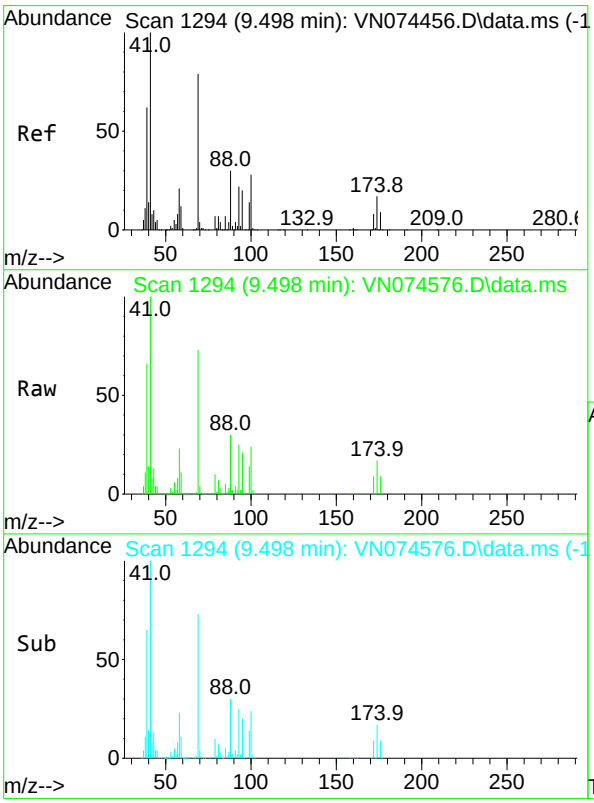
Ion	Ratio	Lower	Upper
83	100		
85	65.9	50.5	75.7
127	7.4	6.8	10.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

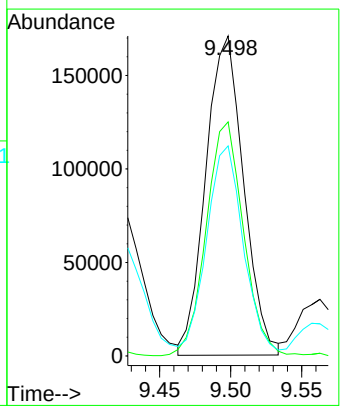
Reviewed By :Krupa Patel 09/21/2022
Supervised By :Mahesh Dadoda 09/21/2022

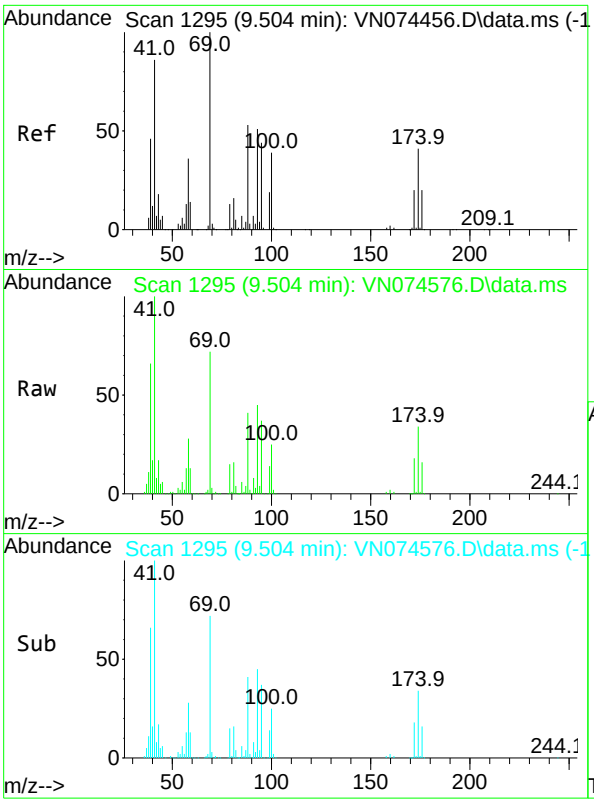


#48
Methyl methacrylate
Concen: 58.681 ug/l
RT: 9.498 min Scan# 1294
Delta R.T. 0.000 min
Lab File: VN074576.D
Acq: 19 Sep 2022 10:44

Tgt Ion: 41 Resp: 316677

Ion	Ratio	Lower	Upper
41	100		
69	72.0	74.7	112.1#
39	60.3	45.6	68.4

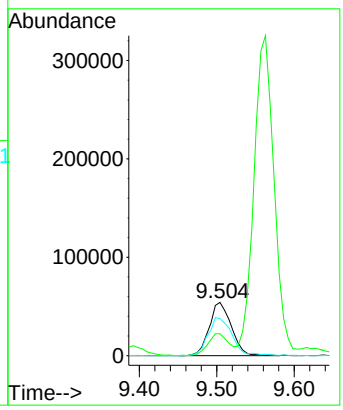




#49
1,4-Dioxane
Concen: 1037.464 ug/l
RT: 9.504 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074576.D
Acq: 19 Sep 2022 10:44

Tgt Ion: 88 Resp: 10764

Ion	Ratio	Lower	Upper
88	100		
43	38.1	20.2	30.4
58	77.5	54.2	81.4



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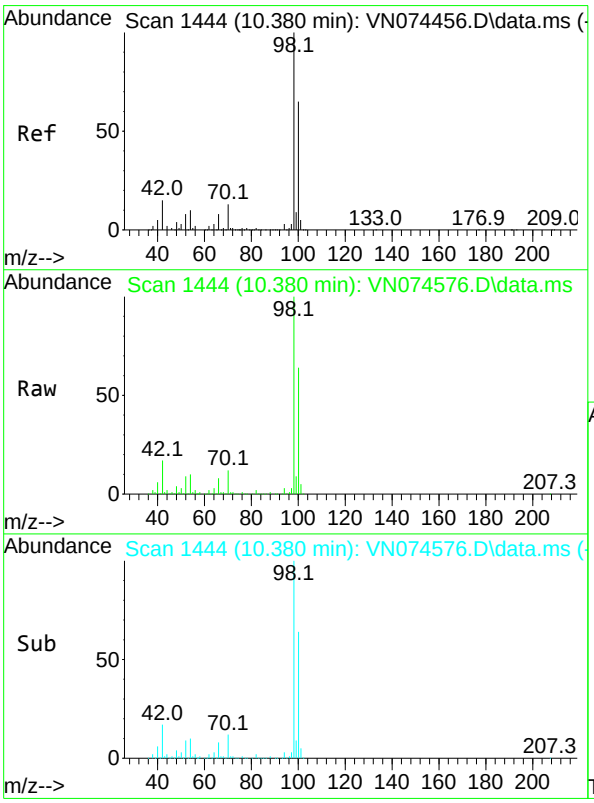
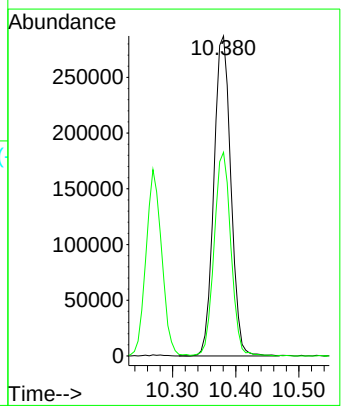
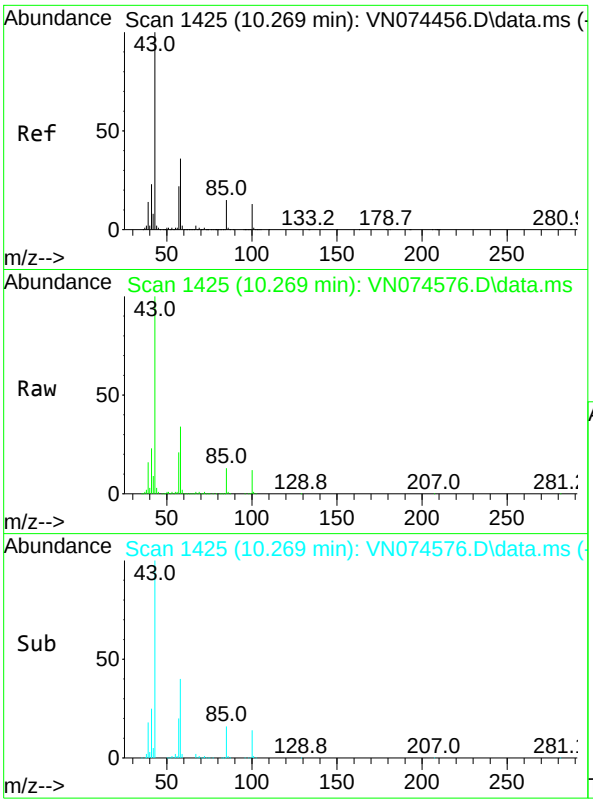


#50
Toluene-d8
Concen: 48.742 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074576.D
Acq: 19 Sep 2022 10:44

Tgt Ion: 98 Resp: 535812

Ion	Ratio	Lower	Upper
98	100		
100	62.9	52.6	78.8

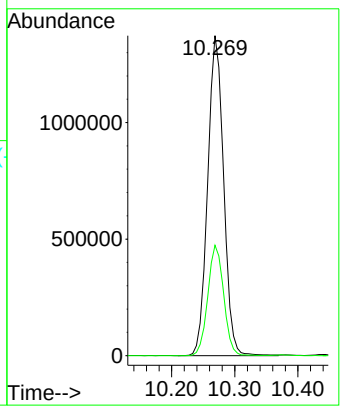




#51
4-Methyl-2-Pentanone
Concen: 302.733 ug/l
RT: 10.269 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN074576.D
Acq: 19 Sep 2022 10:44

Tgt Ion: 43 Resp: 240602

Ion	Ratio	Lower	Upper
43	100		
58	34.4	34.1	51.1



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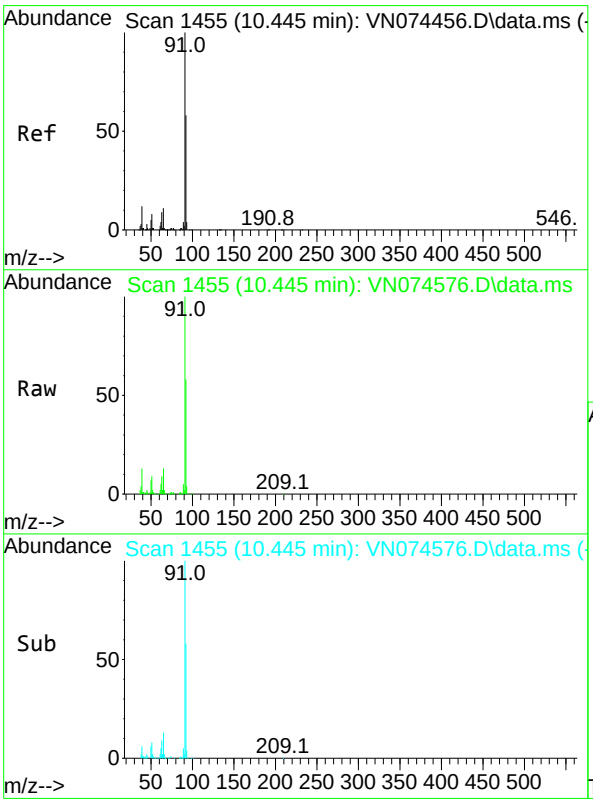
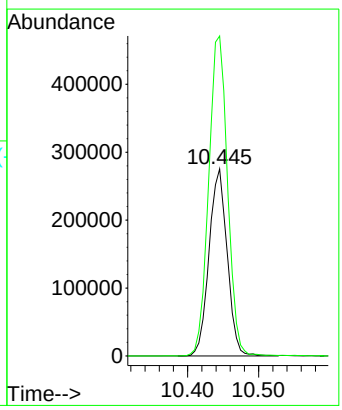
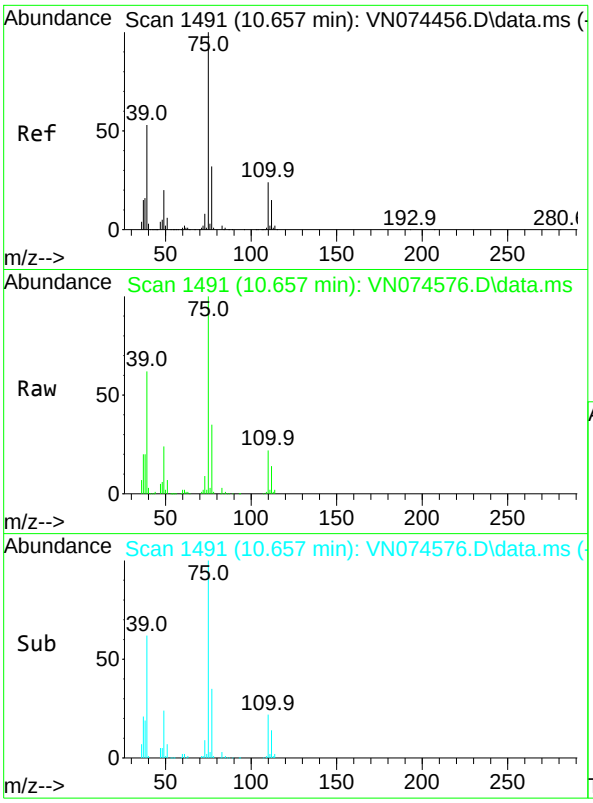


#52
Toluene
Concen: 53.607 ug/l
RT: 10.445 min Scan# 1455
Delta R.T. 0.000 min
Lab File: VN074576.D
Acq: 19 Sep 2022 10:44

Tgt Ion: 92 Resp: 489065

Ion	Ratio	Lower	Upper
92	100		
91	177.6	138.6	207.8

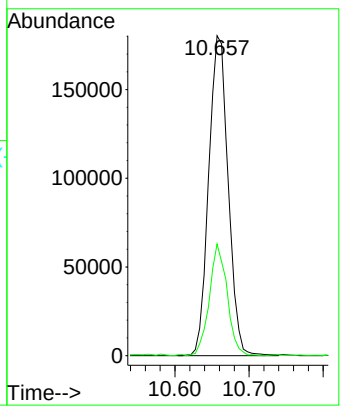




#53
t-1,3-Dichloropropene
Concen: 53.689 ug/l
RT: 10.657 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN074576.D
Acq: 19 Sep 2022 10:44

Tgt Ion: 75 Resp: 32851

Ion	Ratio	Lower	Upper
75	100		
77	34.6	25.6	38.4



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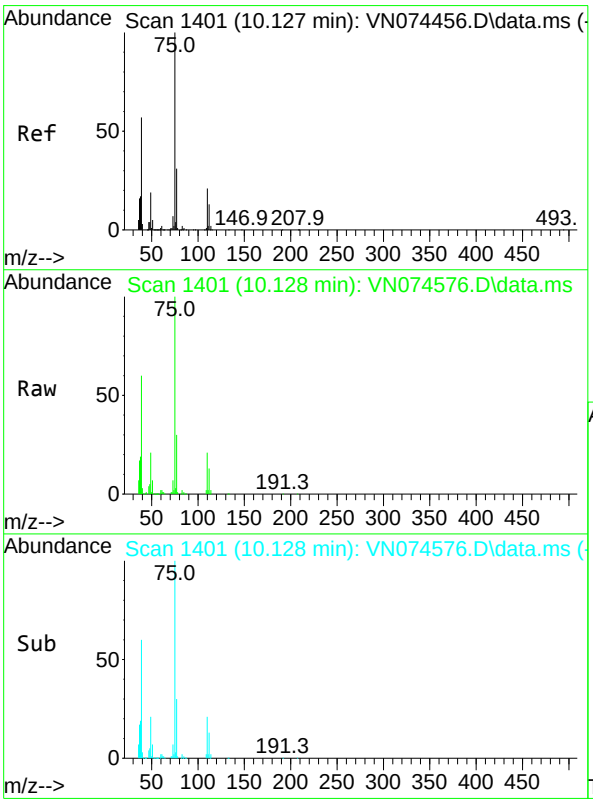
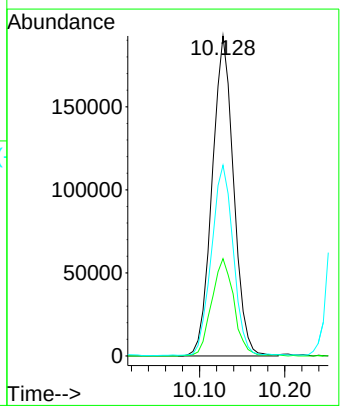
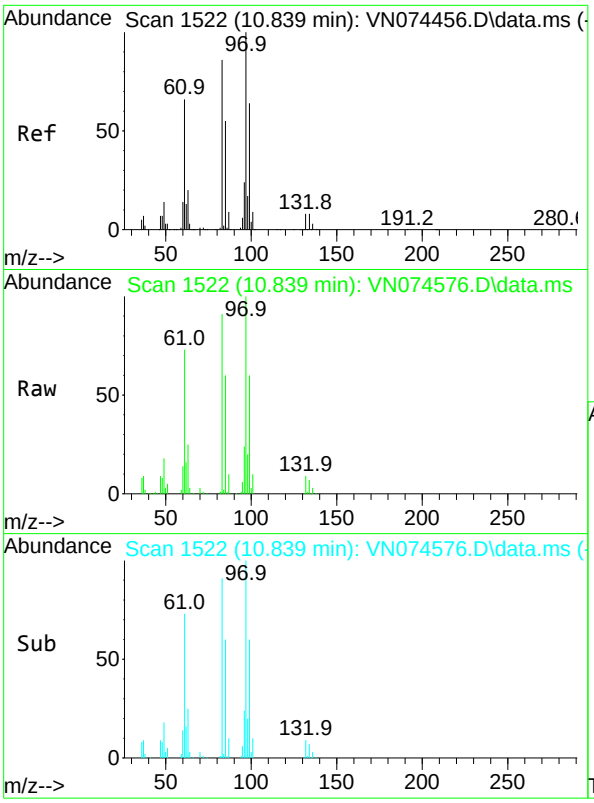


#54
cis-1,3-Dichloropropene
Concen: 51.522 ug/l
RT: 10.128 min Scan# 1401
Delta R.T. 0.000 min
Lab File: VN074576.D
Acq: 19 Sep 2022 10:44

Tgt Ion: 75 Resp: 337373

Ion	Ratio	Lower	Upper
75	100		
77	30.4	25.2	37.8
39	59.4	35.7	53.5#

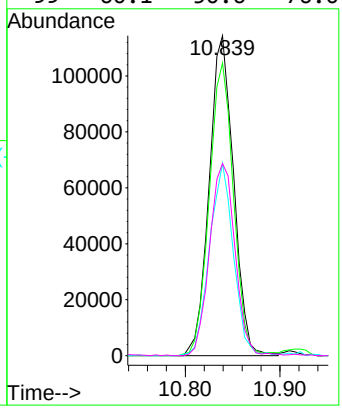




#55
1,1,2-Trichloroethane
Concen: 52.887 ug/l
RT: 10.839 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074576.D
Acq: 19 Sep 2022 10:44

Tgt Ion: 97 Resp: 20437

Ion	Ratio	Lower	Upper
97	100		
83	91.5	66.2	99.4
85	60.1	43.9	65.9
99	60.1	50.6	76.0



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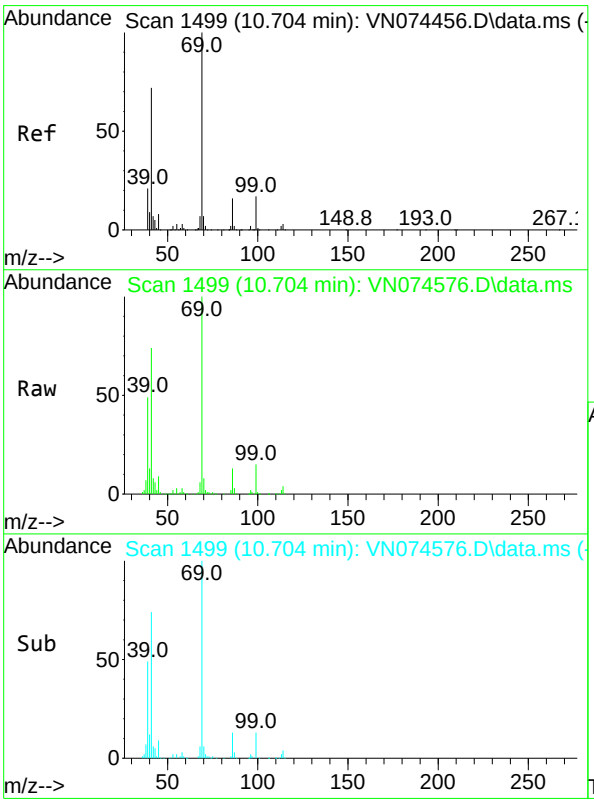
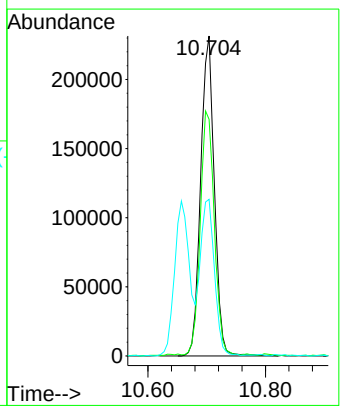
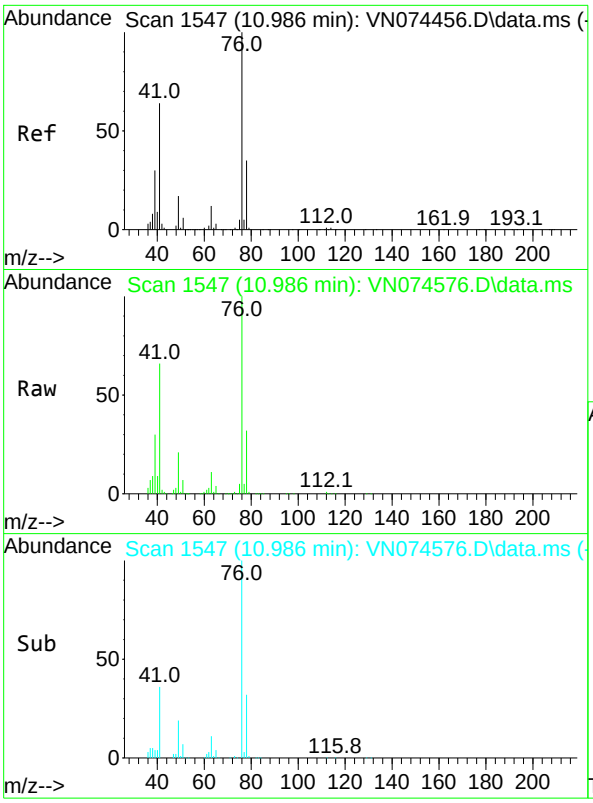


#56
Ethyl methacrylate
Concen: 54.069 ug/l
RT: 10.704 min Scan# 1499
Delta R.T. -0.000 min
Lab File: VN074576.D
Acq: 19 Sep 2022 10:44

Tgt Ion: 69 Resp: 373233

Ion	Ratio	Lower	Upper
69	100		
41	78.1	47.8	71.6#
39	49.9	27.3	40.9#





#57
1,3-Dichloropropane
Concen: 54.850 ug/l
RT: 10.986 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074576.D
Acq: 19 Sep 2022 10:44

Tgt Ion: 76 Resp: 37163

Ion	Ratio	Lower	Upper
76	100		
78	32.4	26.2	39.2

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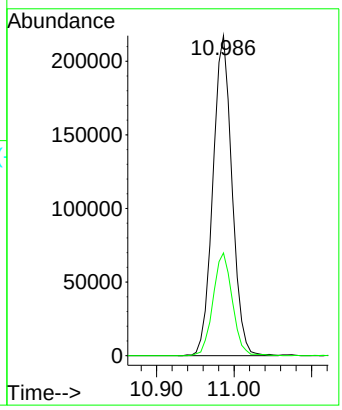
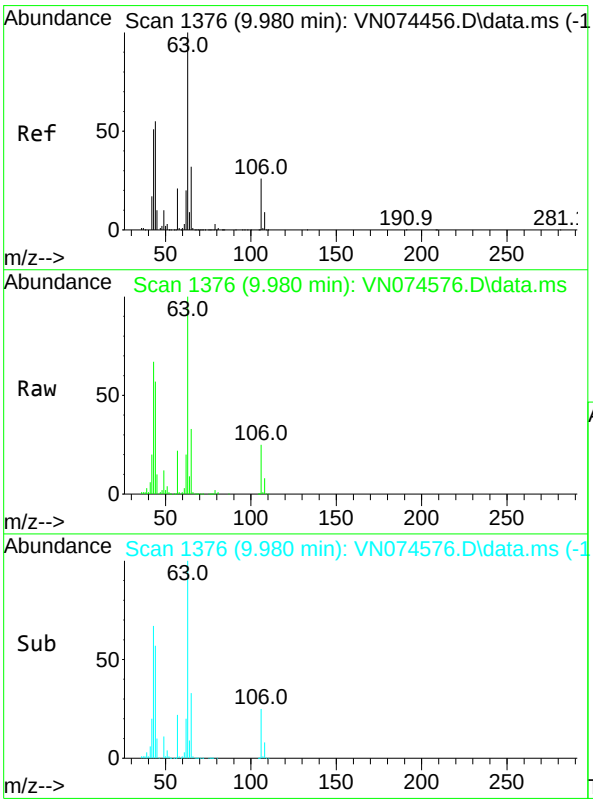
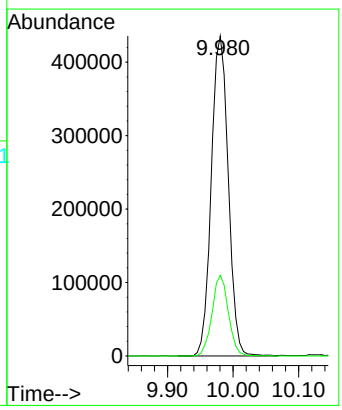


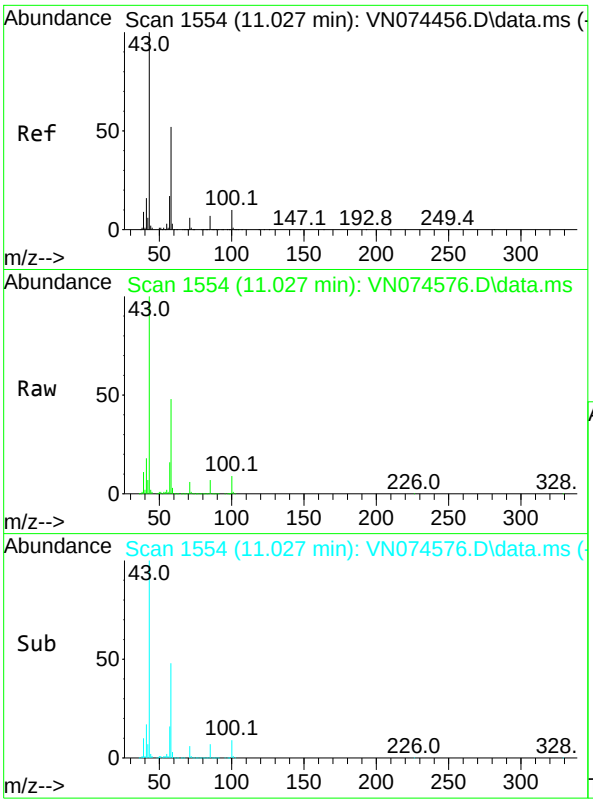


#58
2-Chloroethyl Vinyl ether
Concen: 257.418 ug/l
RT: 9.980 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VN074576.D
Acq: 19 Sep 2022 10:44

Tgt Ion: 63 Resp: 782014

Ion	Ratio	Lower	Upper
63	100		
106	24.3	24.6	36.8#

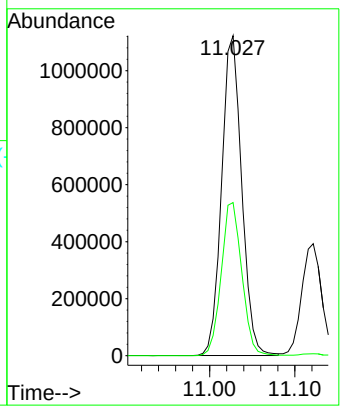




#59
2-Hexanone
Concen: 302.893 ug/l
RT: 11.027 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074576.D
Acq: 19 Sep 2022 10:44

Tgt Ion: 43 Resp: 183770

Ion	Ratio	Lower	Upper
43	100		
58	49.1	29.7	89.1



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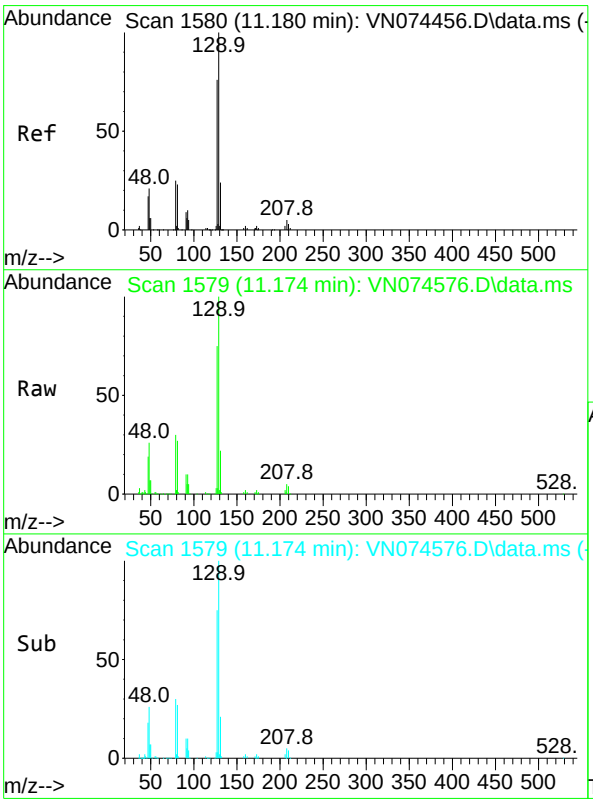
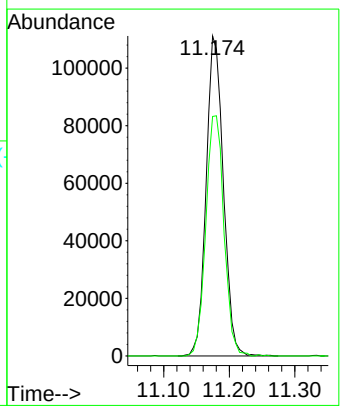
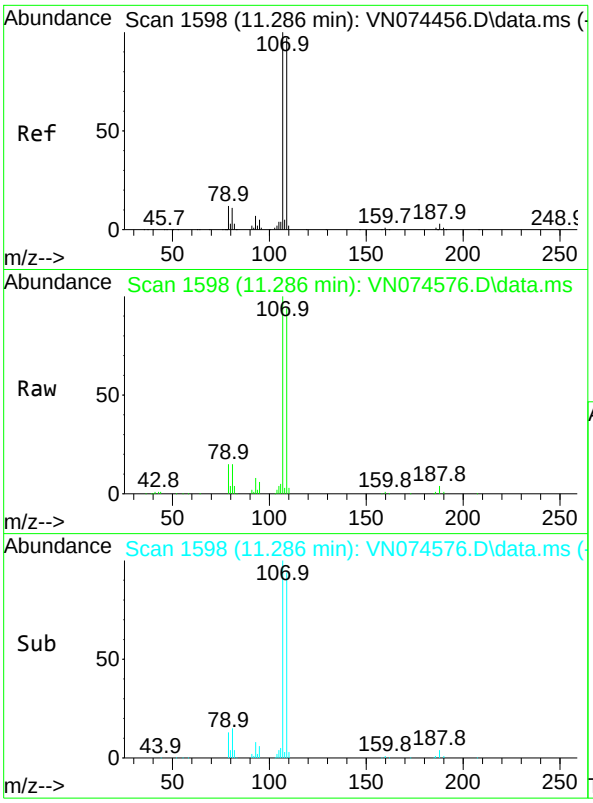


#60
Dibromochloromethane
Concen: 54.709 ug/l
RT: 11.174 min Scan# 1579
Delta R.T. -0.006 min
Lab File: VN074576.D
Acq: 19 Sep 2022 10:44

Tgt Ion:129 Resp: 202391

Ion	Ratio	Lower	Upper
129	100		
127	79.1	38.8	116.4

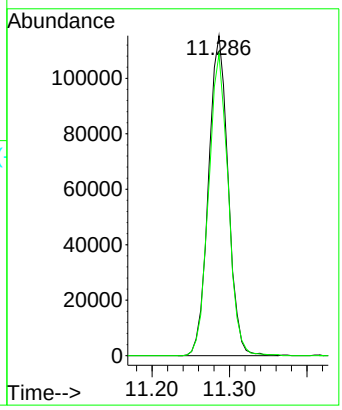




#61
1,2-Dibromoethane
Concen: 54.052 ug/l
RT: 11.286 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074576.D
Acq: 19 Sep 2022 10:44

Tgt Ion:107 Resp: 20291

Ion	Ratio	Lower	Upper
107	100		
109	94.2	75.0	112.6



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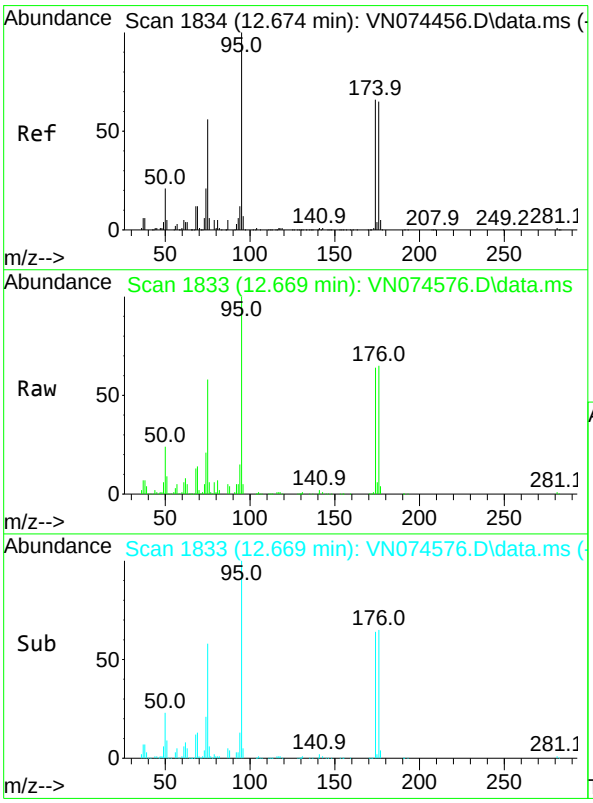
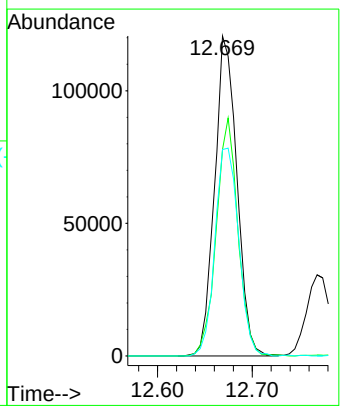
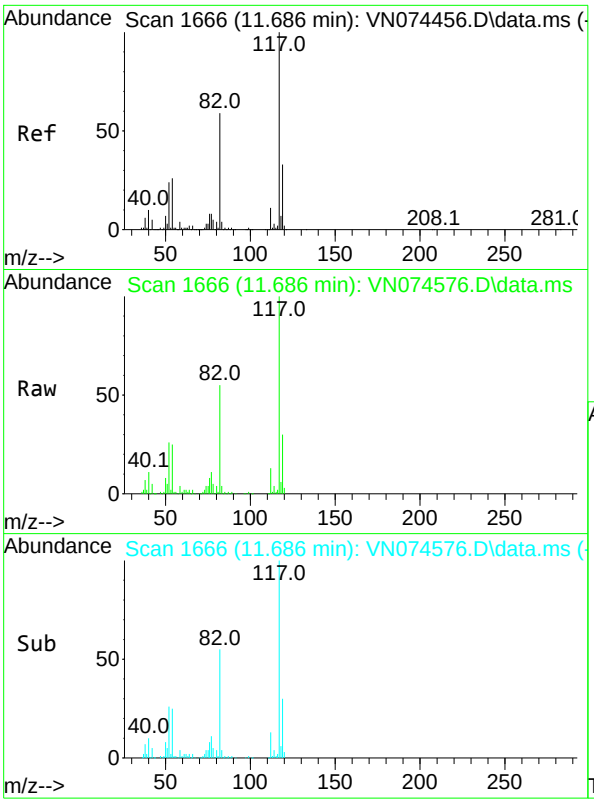


#62
4-Bromofluorobenzene
Concen: 52.463 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.005 min
Lab File: VN074576.D
Acq: 19 Sep 2022 10:44

Tgt Ion: 95 Resp: 197520

Ion	Ratio	Lower	Upper
95	100		
174	72.3	0.0	167.6
176	69.3	0.0	163.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VN074576.D
Acq: 19 Sep 2022 10:44

Tgt Ion:117 Resp: 39716

Ion	Ratio	Lower	Upper
117	100		
82	55.1	44.2	66.2
119	30.0	25.4	38.0

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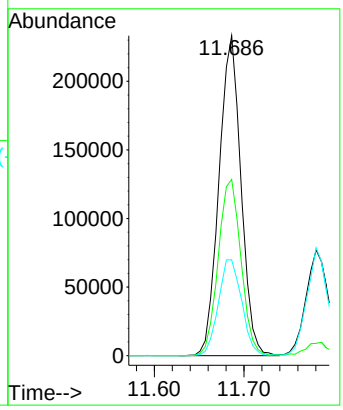
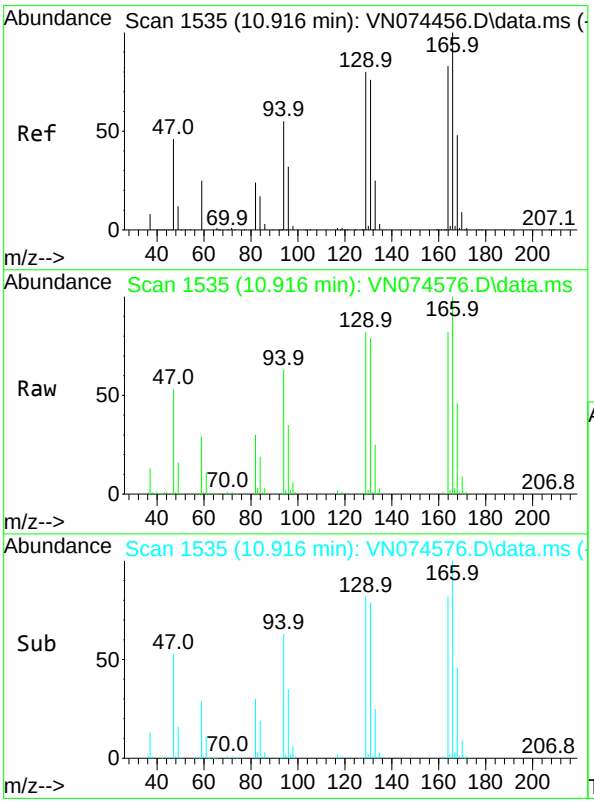
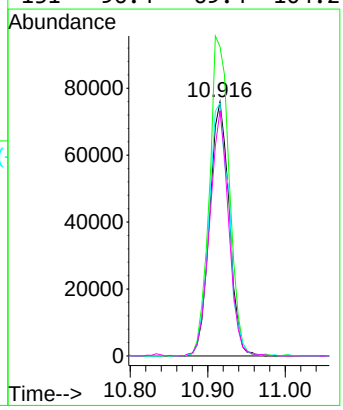


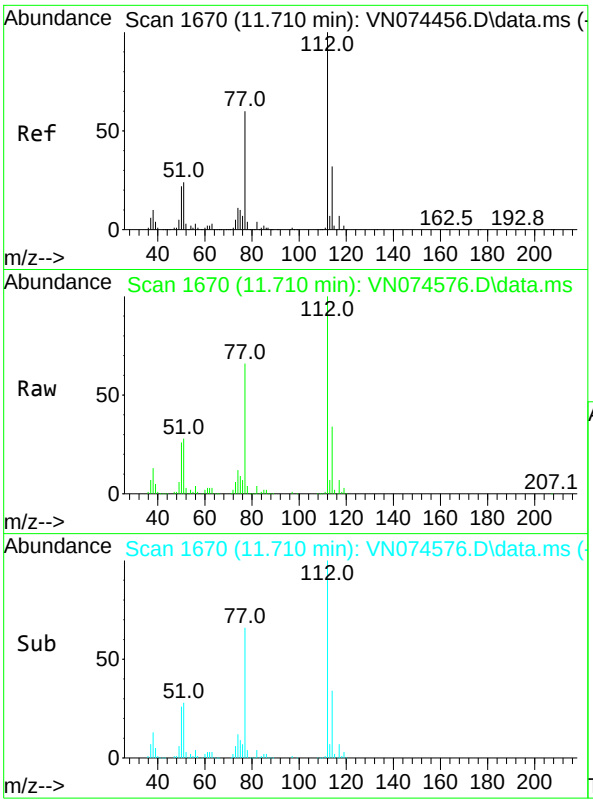


#64
Tetrachloroethene
Concen: 49.029 ug/l
RT: 10.916 min Scan# 1535
Delta R.T. -0.000 min
Lab File: VN074576.D
Acq: 19 Sep 2022 10:44

Tgt Ion:164 Resp: 133637

Ion	Ratio	Lower	Upper
164	100		
166	121.7	104.2	156.2
129	99.5	73.9	110.9
131	96.4	69.4	104.2

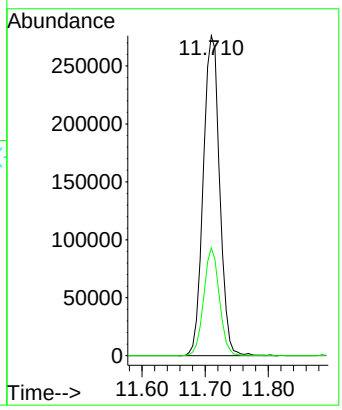




#65
Chlorobenzene
Concen: 49.844 ug/l
RT: 11.710 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074576.D
Acq: 19 Sep 2022 10:44

Tgt Ion:112 Resp: 49698

Ion	Ratio	Lower	Upper
112	100		
114	33.7	25.4	38.2



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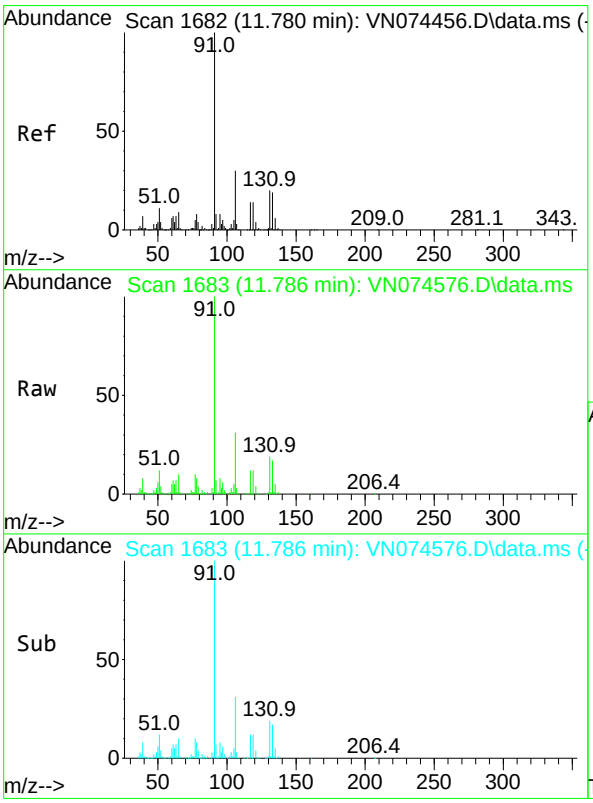
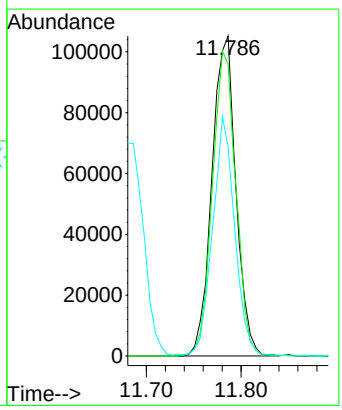
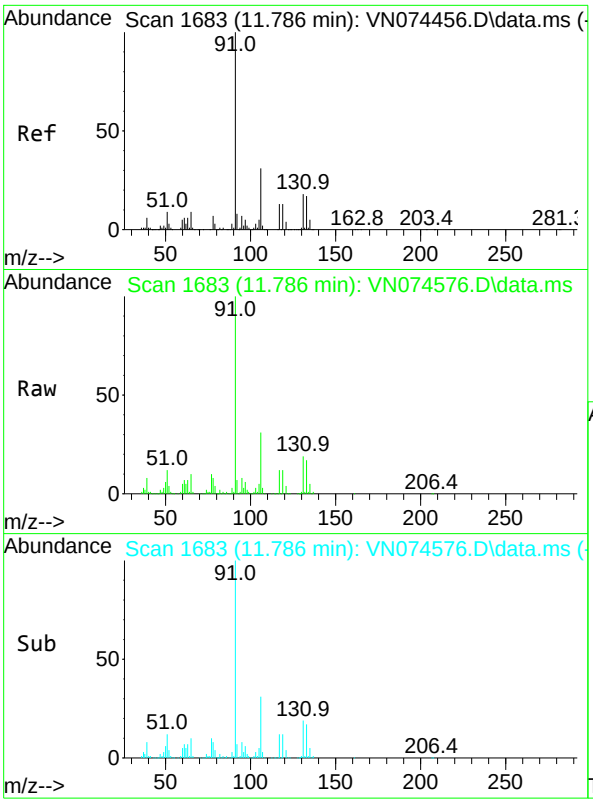


#66
1,1,1,2-Tetrachloroethane
Concen: 51.012 ug/l
RT: 11.786 min Scan# 1683
Delta R.T. 0.006 min
Lab File: VN074576.D
Acq: 19 Sep 2022 10:44

Tgt Ion:131 Resp: 184798

Ion	Ratio	Lower	Upper
131	100		
133	93.4	47.8	143.4
119	69.0	33.4	100.2

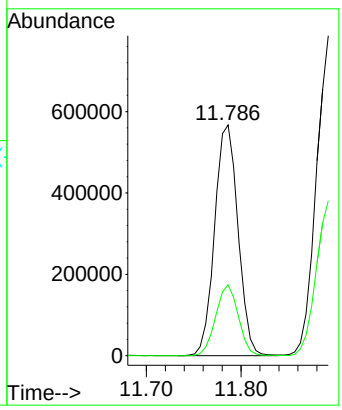




#67
Ethyl Benzene
Concen: 53.081 ug/l
RT: 11.786 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074576.D
Acq: 19 Sep 2022 10:44

Tgt Ion: 91 Resp: 97170

Ion	Ratio	Lower	Upper
91	100		
106	30.7	24.9	37.3



Instrument :
MSVOA_N
ClientSampleId :
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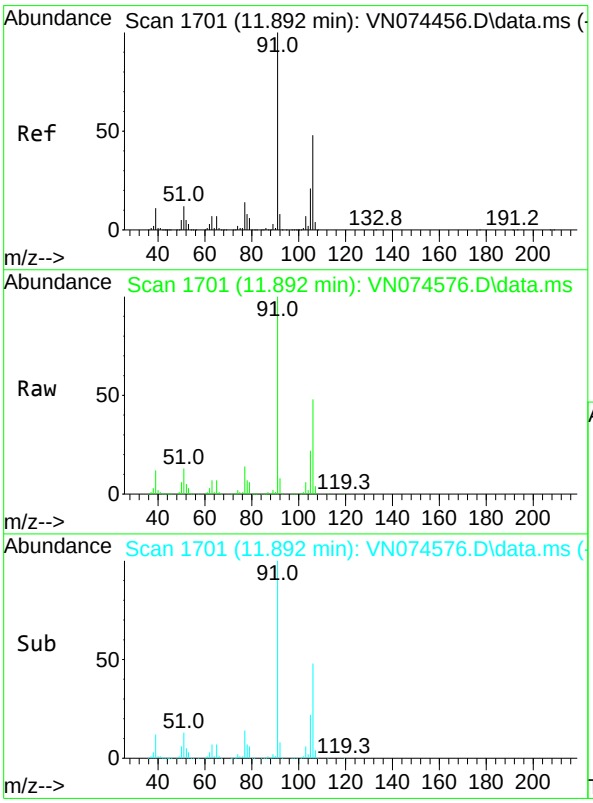
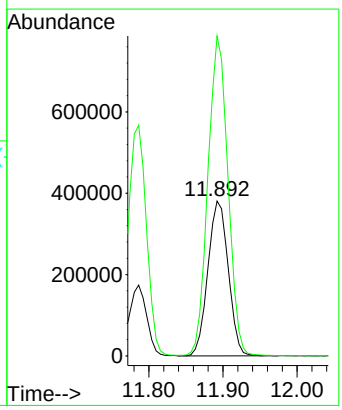
Supervised By :Mahesh Dadoda 09/21/2022

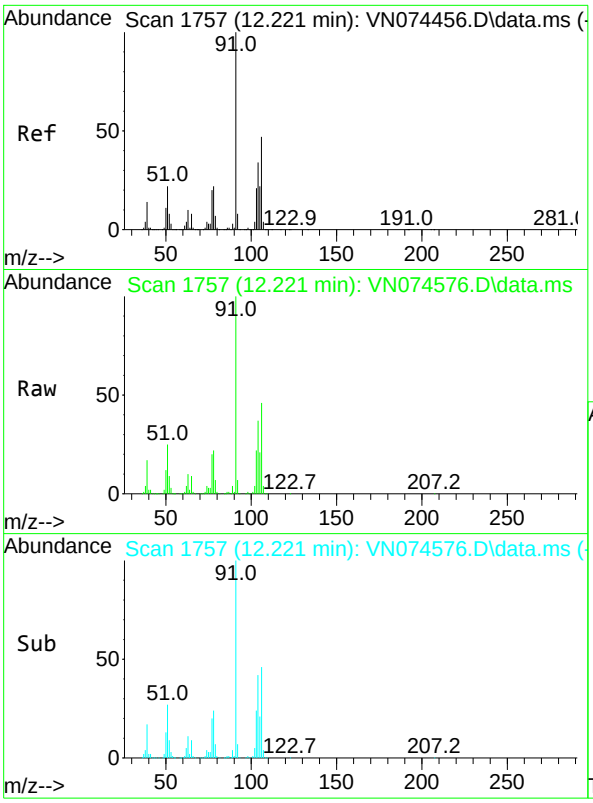


#68
m/p-Xylenes
Concen: 107.387 ug/l
RT: 11.892 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN074576.D
Acq: 19 Sep 2022 10:44

Tgt Ion:106 Resp: 726824

Ion	Ratio	Lower	Upper
106	100		
91	203.0	158.9	238.3





#69
o-Xylene
Concen: 52.971 ug/l
RT: 12.221 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074576.D
Acq: 19 Sep 2022 10:44

Tgt Ion:106 Resp: 36554

Ion	Ratio	Lower	Upper
106	100		
91	214.2	106.0	318.0

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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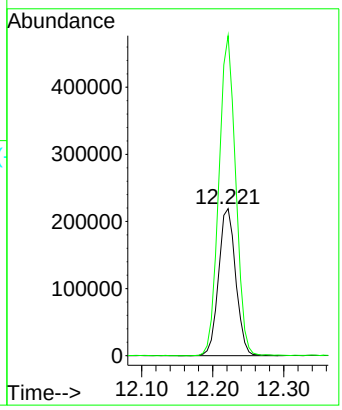
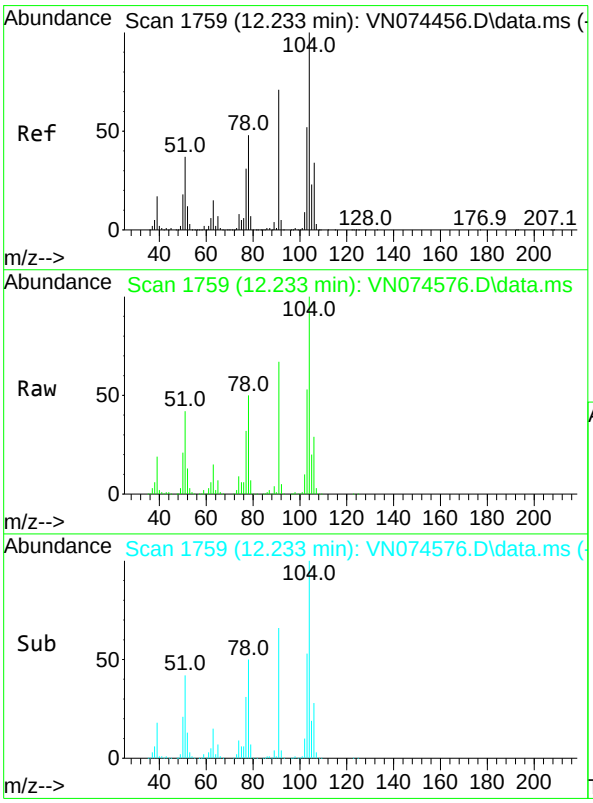
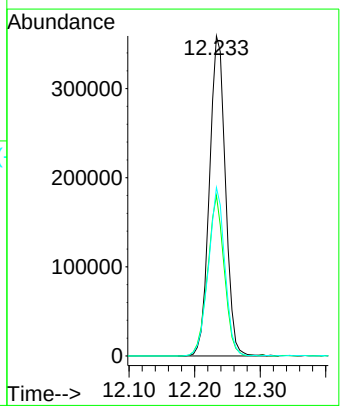


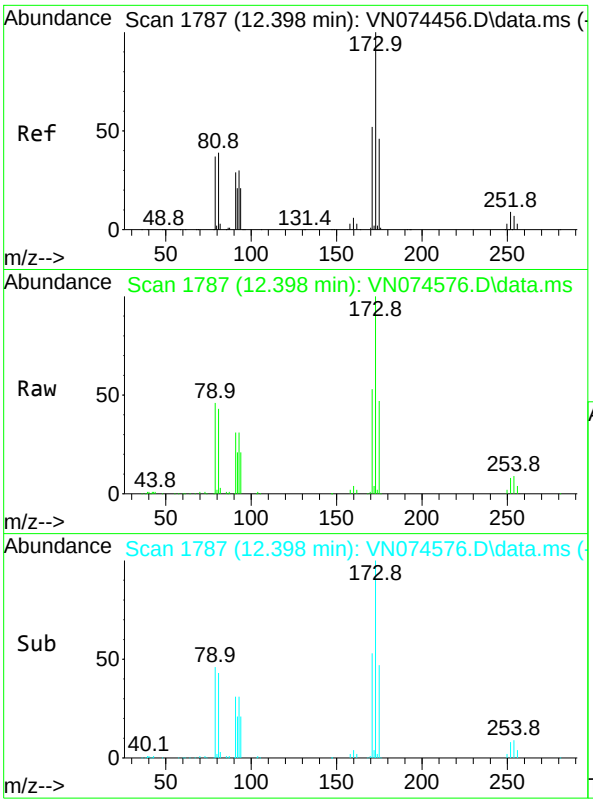


#70
Styrene
Concen: 52.941 ug/l
RT: 12.233 min Scan# 1759
Delta R.T. 0.000 min
Lab File: VN074576.D
Acq: 19 Sep 2022 10:44

Tgt Ion:104 Resp: 607721

Ion	Ratio	Lower	Upper
104	100		
78	51.8	39.5	59.3
103	54.3	44.0	66.0

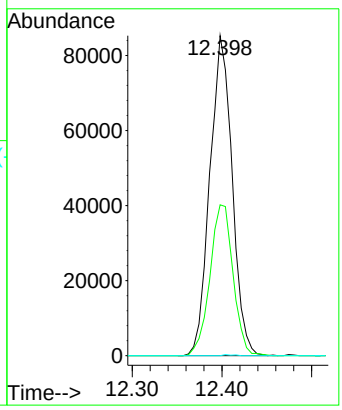




#71
Bromoform
Concen: 55.256 ug/l
RT: 12.398 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074576.D
Acq: 19 Sep 2022 10:44

Tgt Ion:173 Resp: 14712

Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.6	73.6
254	0.2	0.1	0.1#



Instrument :
MSVOA_N
ClientSampleId :
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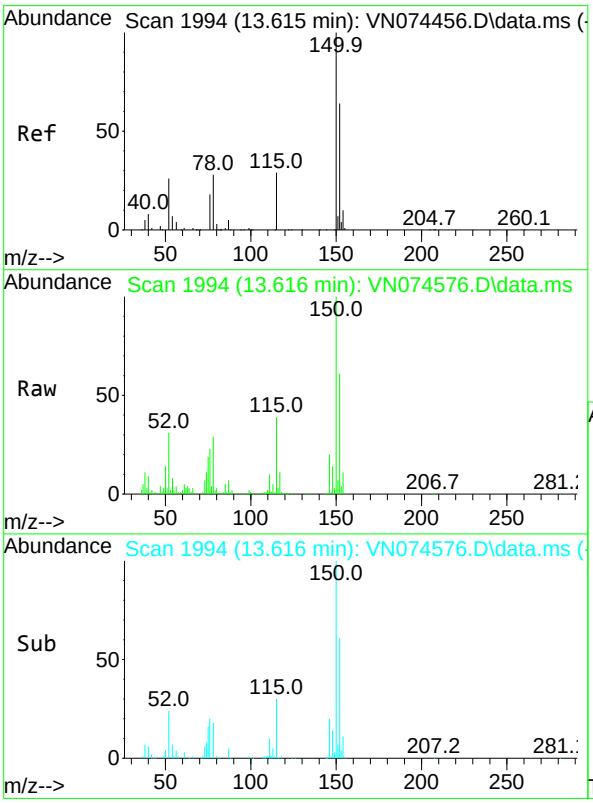
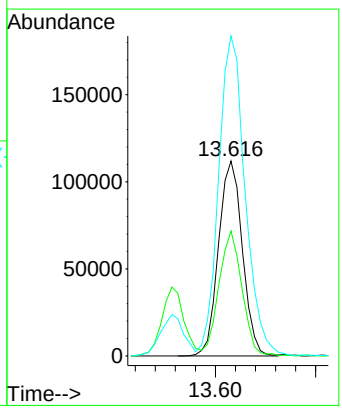
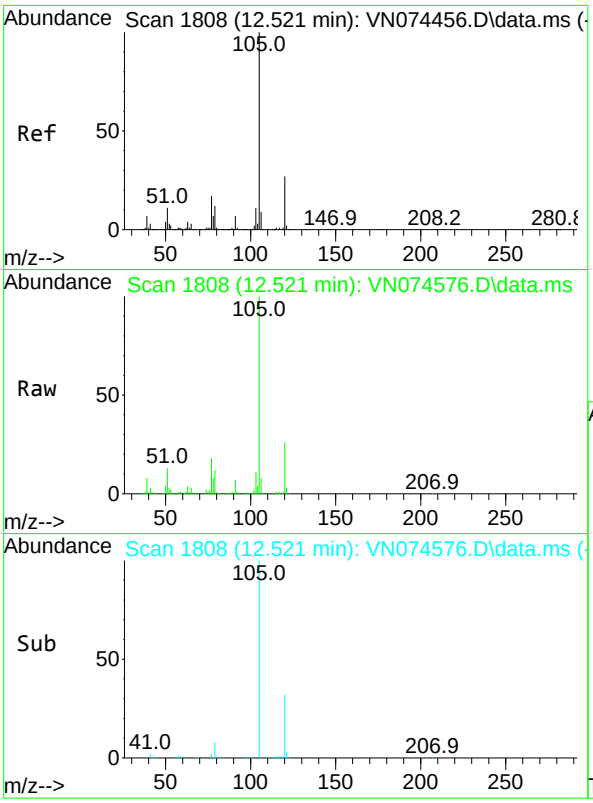


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1994
Delta R.T. 0.001 min
Lab File: VN074576.D
Acq: 19 Sep 2022 10:44

Tgt Ion:152 Resp: 184927

Ion	Ratio	Lower	Upper
152	100		
115	61.8	28.9	86.7
150	183.1	0.0	356.2





#73
Isopropylbenzene
Concen: 49.448 ug/l
RT: 12.521 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074576.D
Acq: 19 Sep 2022 10:44

Tgt Ion:105 Resp: 93630

Ion	Ratio	Lower	Upper
105	100		
120	26.6	13.5	40.4

Instrument :
MSVOA_N
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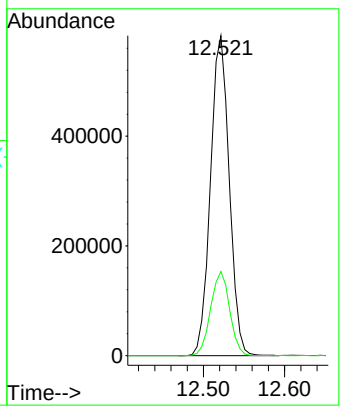
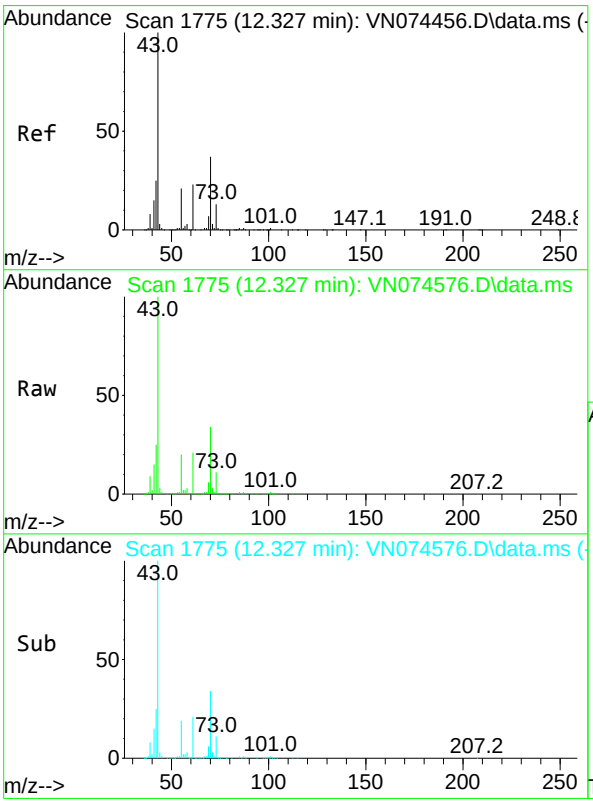
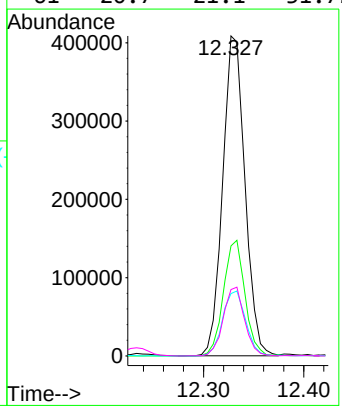


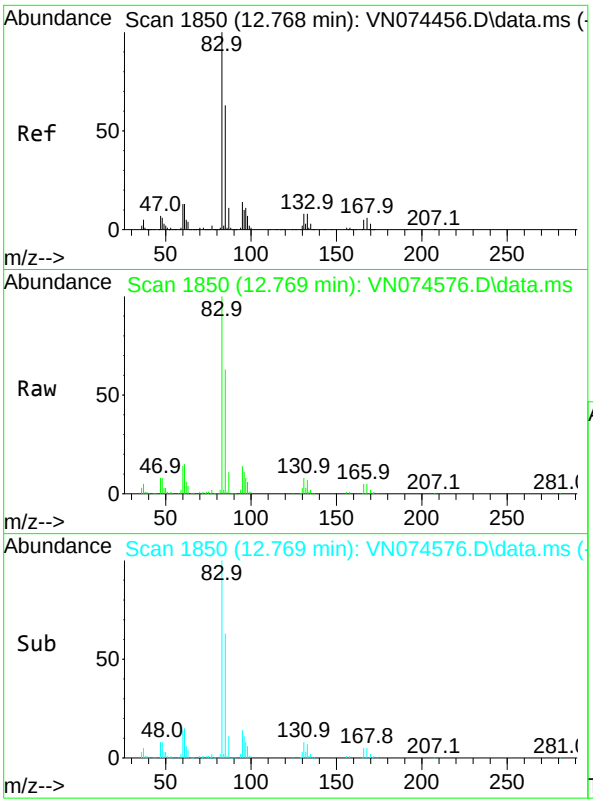


#74
N-amyl acetate
Concen: 53.181 ug/l
RT: 12.327 min Scan# 1775
Delta R.T. 0.000 min
Lab File: VN074576.D
Acq: 19 Sep 2022 10:44

Tgt Ion: 43 Resp: 629606

Ion	Ratio	Lower	Upper
43	100		
70	35.1	39.0	58.4#
55	21.1	21.1	31.7
61	20.7	21.1	31.7#

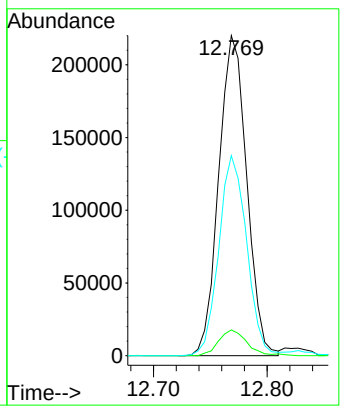




#75
1,1,2,2-Tetrachloroethane
Concen: 49.627 ug/l
RT: 12.769 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074576.D
Acq: 19 Sep 2022 10:44

Tgt Ion: 83 Resp: 37657

Ion	Ratio	Lower	Upper
83	100		
131	8.2	5.3	15.9
85	62.2	32.3	96.9



Instrument :
MSVOA_N
ClientSampleId :
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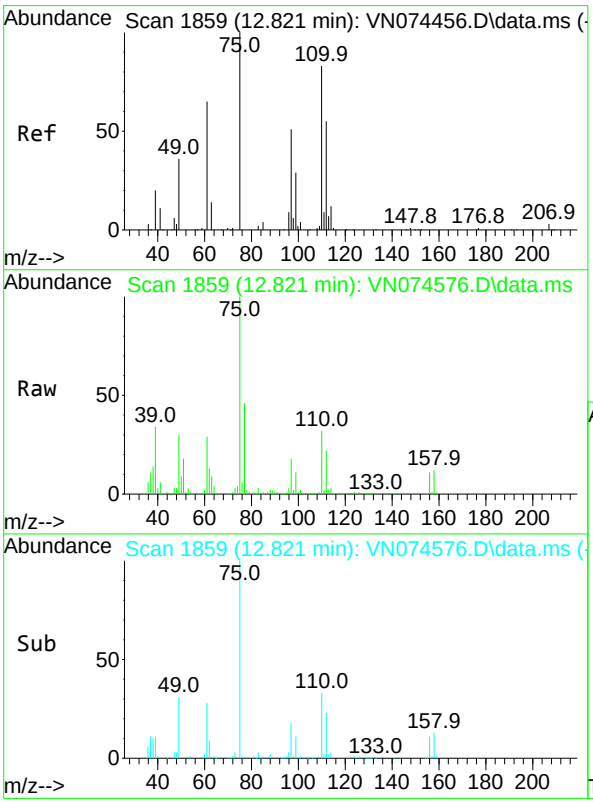
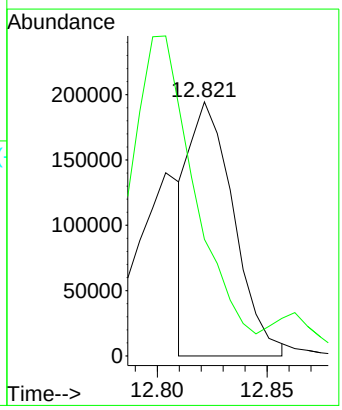
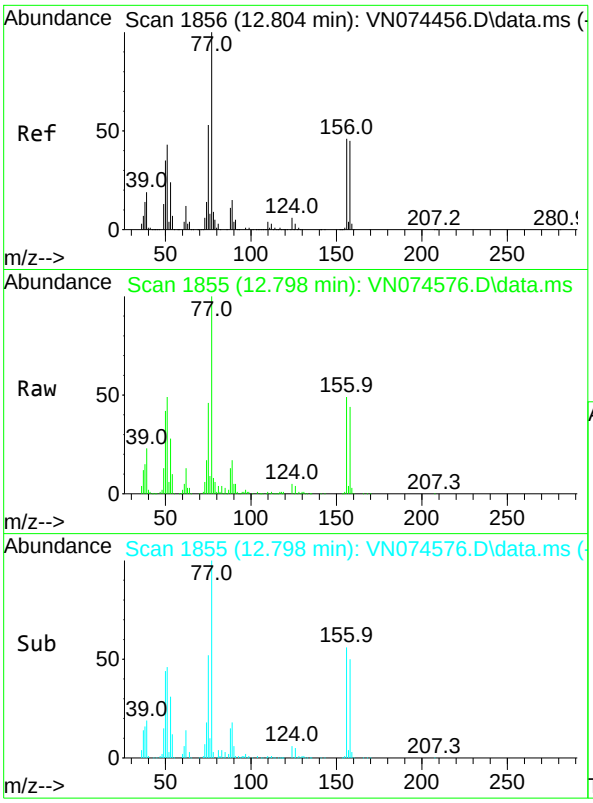


#76
1,2,3-Trichloropropane
Concen: 48.181 ug/l m
RT: 12.821 min Scan# 1859
Delta R.T. 0.000 min
Lab File: VN074576.D
Acq: 19 Sep 2022 10:44

Tgt Ion: 75 Resp: 274257

Ion	Ratio	Lower	Upper
75	100		
77	185.8	98.5	295.5

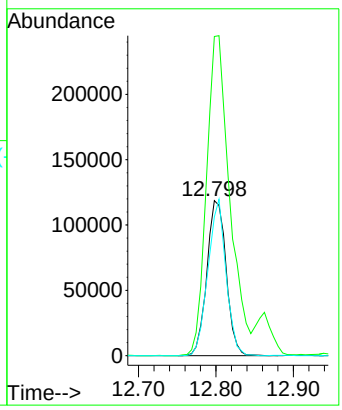




#77
Bromobenzene
Concen: 50.732 ug/l
RT: 12.798 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN074576.D
Acq: 19 Sep 2022 10:44

Tgt Ion:156 Resp: 20520

Ion	Ratio	Lower	Upper
156	100		
77	248.3	100.5	301.5
158	94.4	48.9	146.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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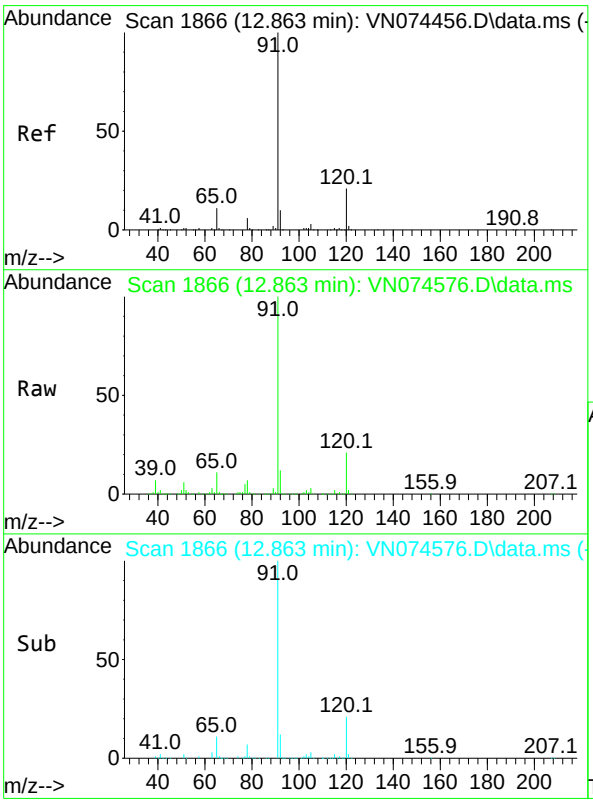
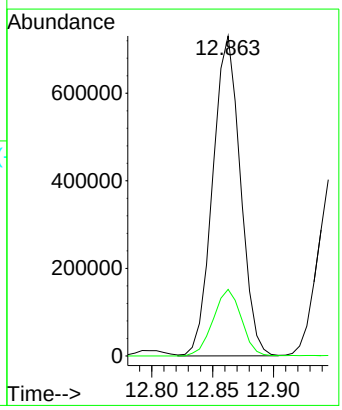
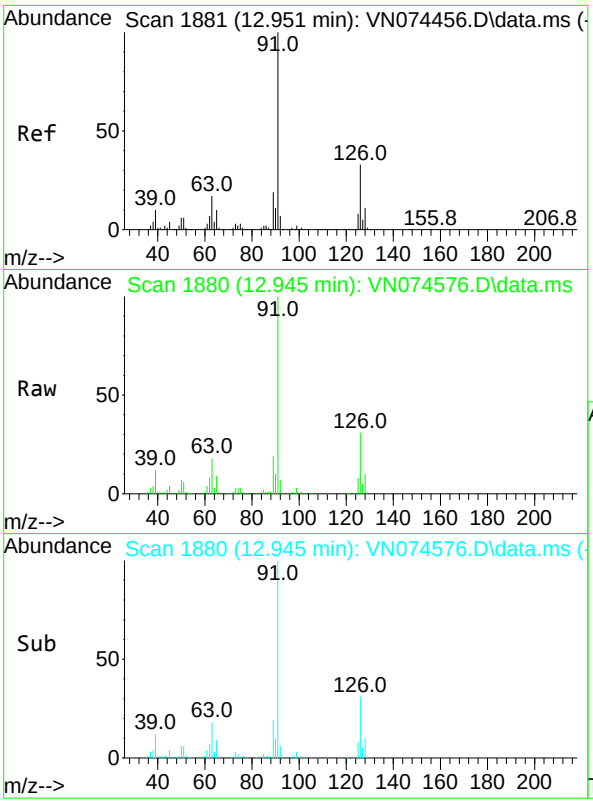


#78
n-propylbenzene
Concen: 51.187 ug/l
RT: 12.863 min Scan# 1866
Delta R.T. -0.000 min
Lab File: VN074576.D
Acq: 19 Sep 2022 10:44

Tgt Ion: 91 Resp: 1154365

Ion	Ratio	Lower	Upper
91	100		
120	21.2	11.9	35.5

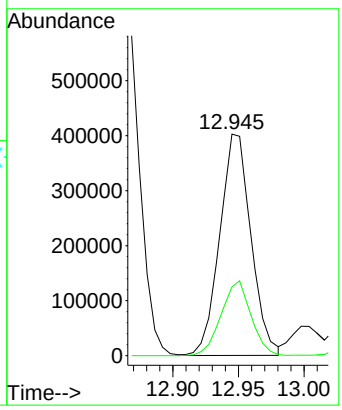




#79
2-Chlorotoluene
Concen: 49.627 ug/l
RT: 12.945 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN074576.D
Acq: 19 Sep 2022 10:44

Tgt Ion: 91 Resp: 66811

Ion	Ratio	Lower	Upper
91	100		
126	32.4	17.3	51.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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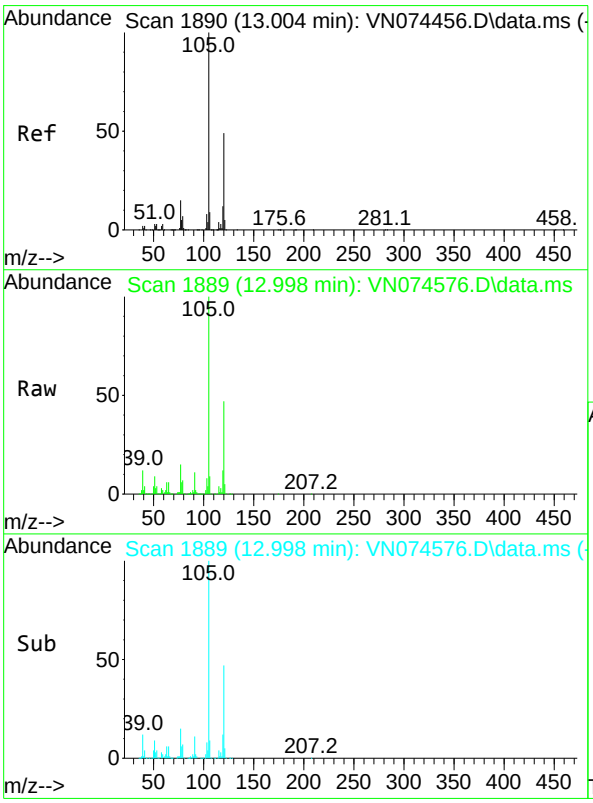
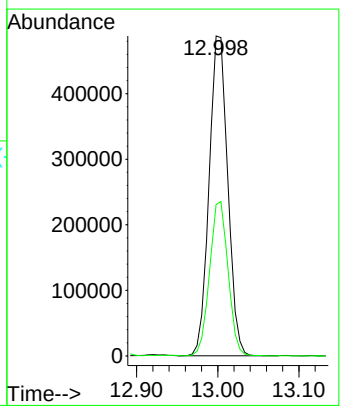
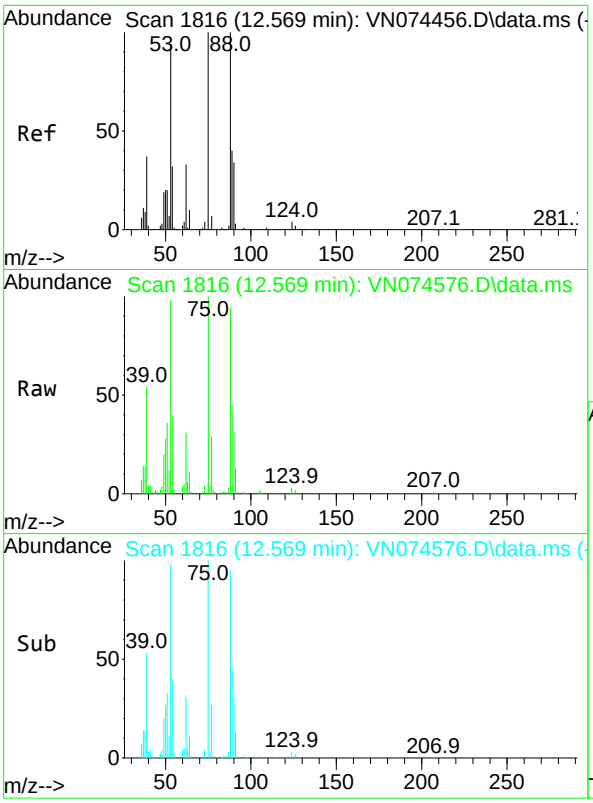


#80
1,3,5-Trimethylbenzene
Concen: 50.369 ug/l
RT: 12.998 min Scan# 1889
Delta R.T. -0.006 min
Lab File: VN074576.D
Acq: 19 Sep 2022 10:44

Tgt Ion:105 Resp: 777476

Ion	Ratio	Lower	Upper
105	100		
120	47.8	24.9	74.7

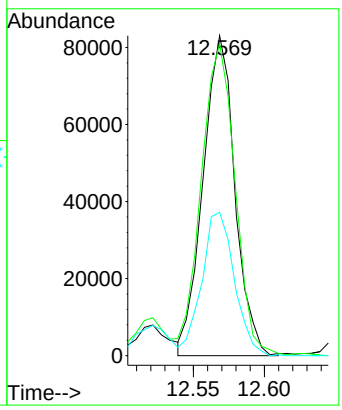




#81
trans-1,4-Dichloro-2-butene
Concen: 49.061 ug/l
RT: 12.569 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074576.D
Acq: 19 Sep 2022 10:44

Tgt Ion: 75 Resp: 12938

Ion	Ratio	Lower	Upper
75	100		
53	103.4	78.0	117.0
89	45.9	37.2	55.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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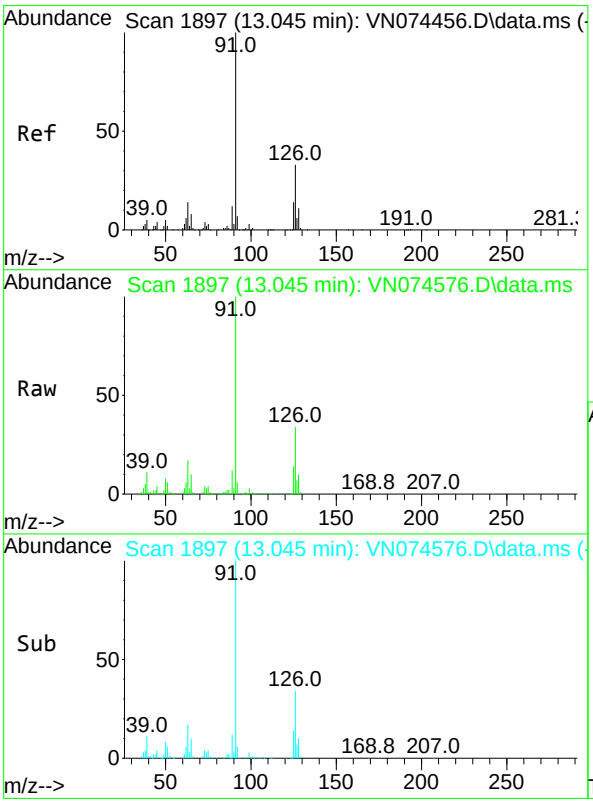
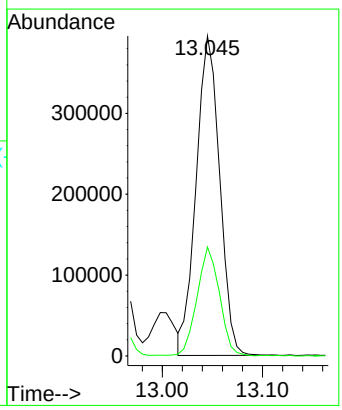
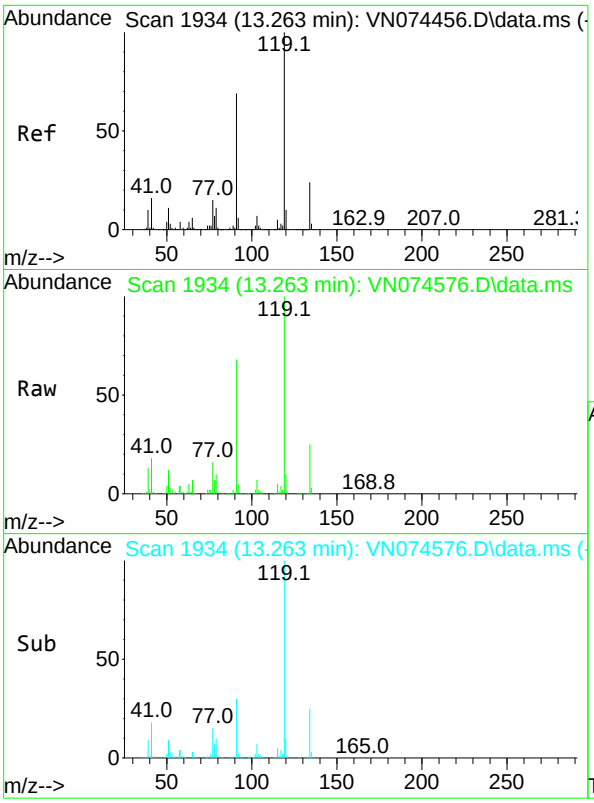


#82
4-Chlorotoluene
Concen: 50.351 ug/l
RT: 13.045 min Scan# 1897
Delta R.T. -0.000 min
Lab File: VN074576.D
Acq: 19 Sep 2022 10:44

Tgt Ion: 91 Resp: 644307

Ion	Ratio	Lower	Upper
91	100		
126	32.6	17.2	51.6

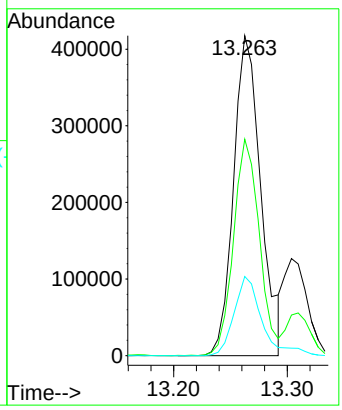




#83
tert-Butylbenzene
Concen: 49.526 ug/l
RT: 13.263 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074576.D
Acq: 19 Sep 2022 10:44

Tgt Ion:119 Resp: 69573

Ion	Ratio	Lower	Upper
119	100		
91	64.4	31.6	94.8
134	25.4	13.7	41.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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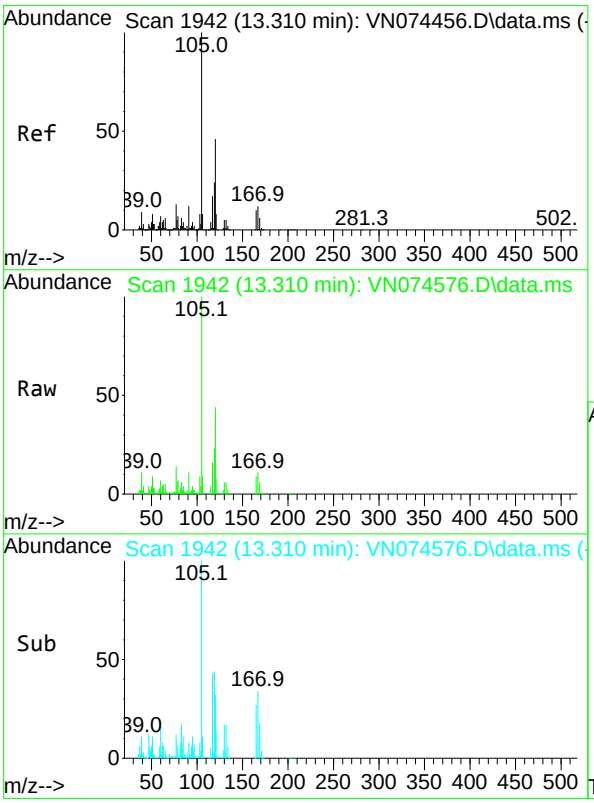
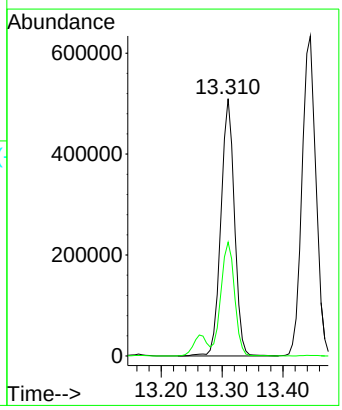
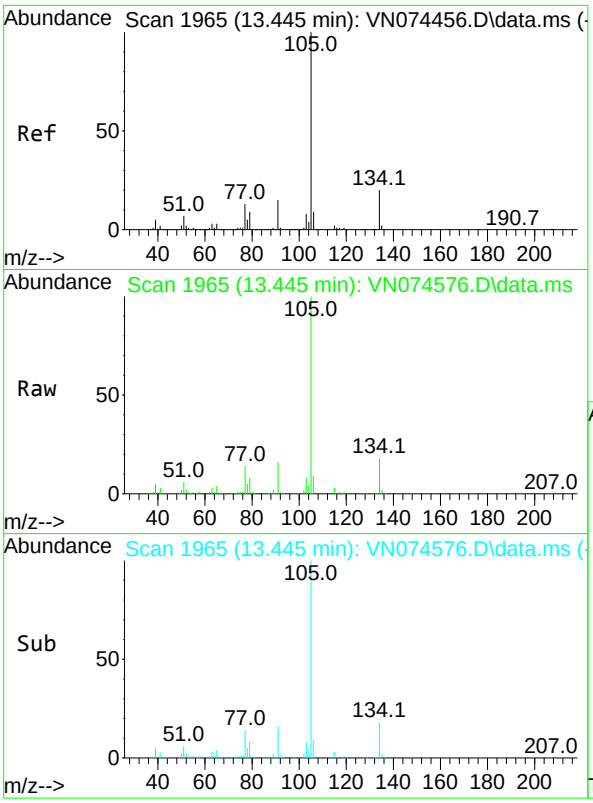


#84
1,2,4-Trimethylbenzene
Concen: 50.687 ug/l
RT: 13.310 min Scan# 1942
Delta R.T. -0.000 min
Lab File: VN074576.D
Acq: 19 Sep 2022 10:44

Tgt Ion:105 Resp: 787346

Ion	Ratio	Lower	Upper
105	100		
120	44.4	23.3	69.8

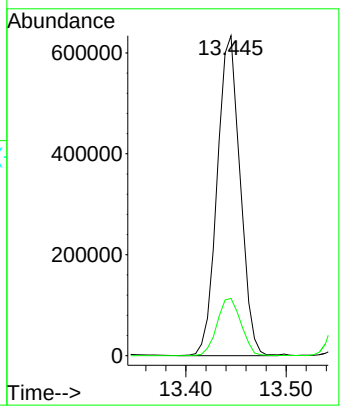




#85
sec-Butylbenzene
Concen: 52.148 ug/l
RT: 13.445 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074576.D
Acq: 19 Sep 2022 10:44

Tgt Ion:105 Resp: 100586

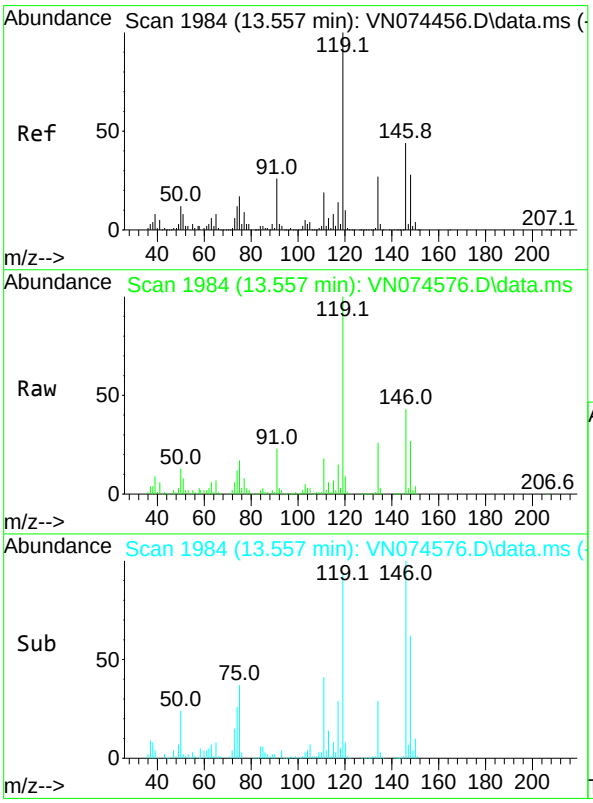
Ion	Ratio	Lower	Upper
105	100		
134	18.7	10.4	31.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

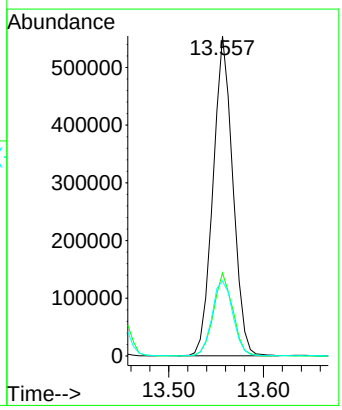
Reviewed By :Krupa Patel 09/21/2022
Supervised By :Mahesh Dadoda 09/21/2022

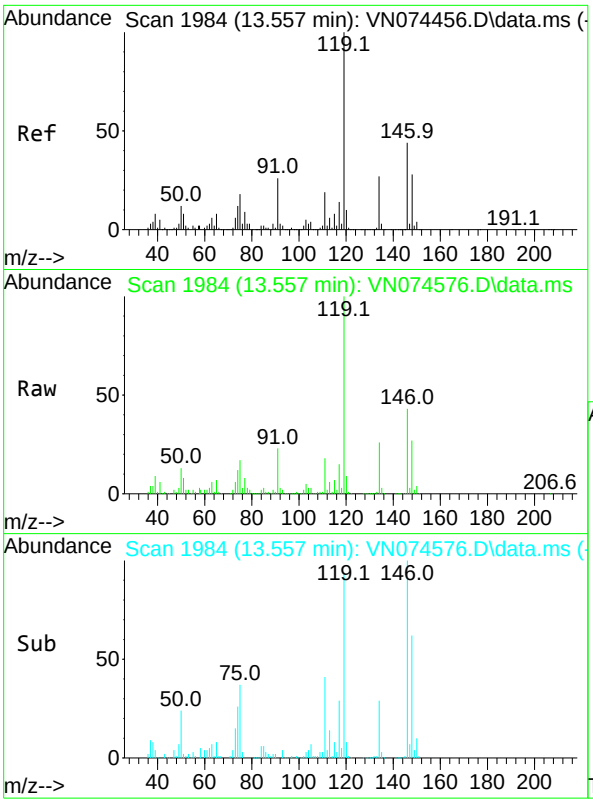


#86
p-Isopropyltoluene
Concen: 53.531 ug/l
RT: 13.557 min Scan# 1984
Delta R.T. -0.000 min
Lab File: VN074576.D
Acq: 19 Sep 2022 10:44

Tgt Ion:119 Resp: 804967

Ion	Ratio	Lower	Upper
119	100		
134	25.3	13.3	39.8
91	24.7	11.3	33.9

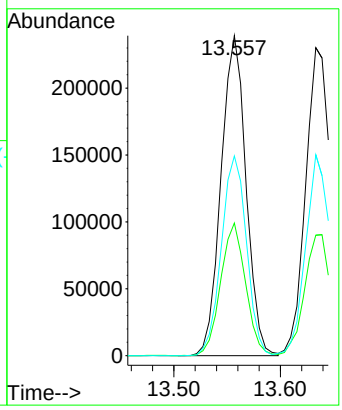




#87
1,3-Dichlorobenzene
Concen: 52.418 ug/l
RT: 13.557 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074576.D
Acq: 19 Sep 2022 10:44

Tgt Ion:146 Resp: 38961

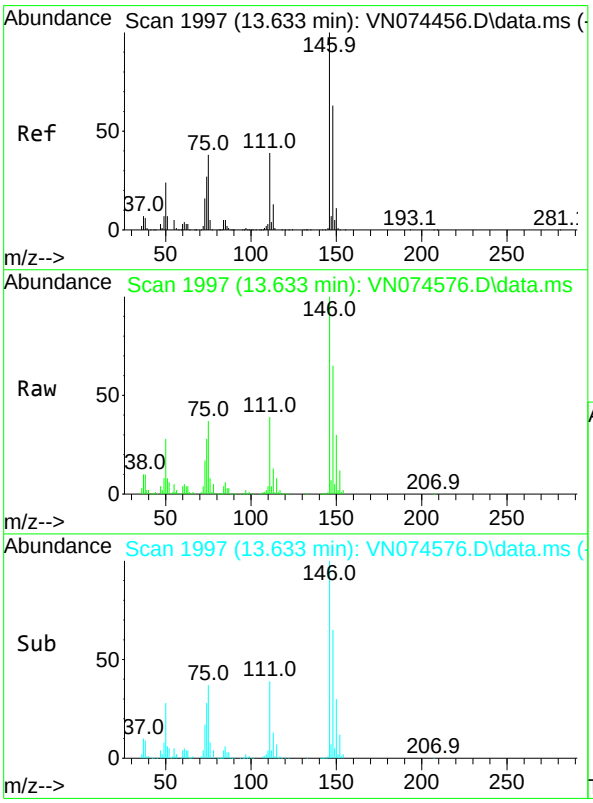
Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.0	60.0
148	62.8	32.0	96.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

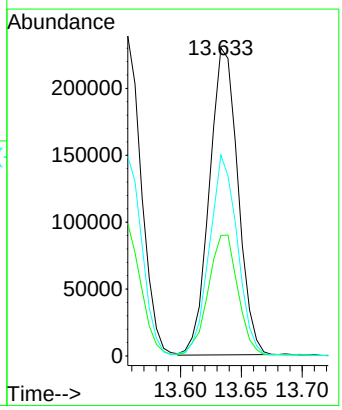
Reviewed By :Krupa Patel 09/21/2022
Supervised By :Mahesh Dadoda 09/21/2022

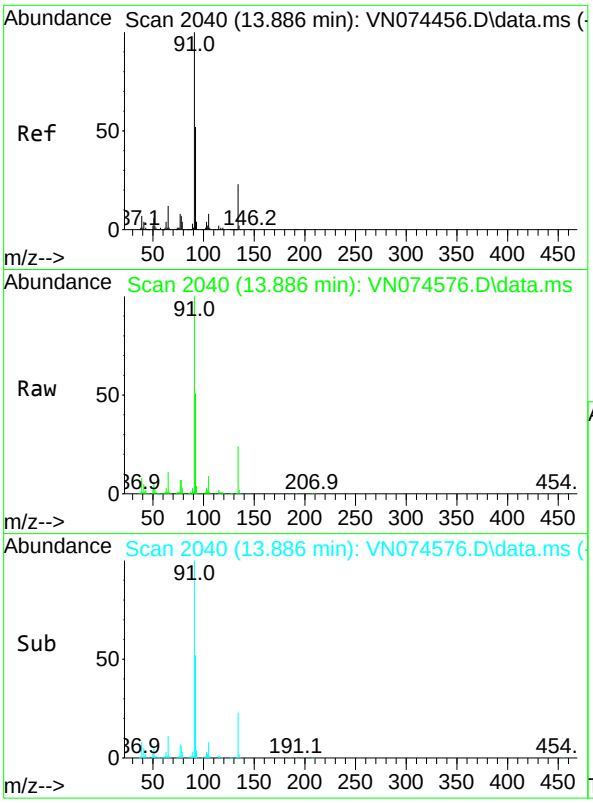


#88
1,4-Dichlorobenzene
Concen: 50.124 ug/l
RT: 13.633 min Scan# 1997
Delta R.T. 0.000 min
Lab File: VN074576.D
Acq: 19 Sep 2022 10:44

Tgt Ion:146 Resp: 374444

Ion	Ratio	Lower	Upper
146	100		
111	40.7	19.1	57.1
148	64.8	31.4	94.3

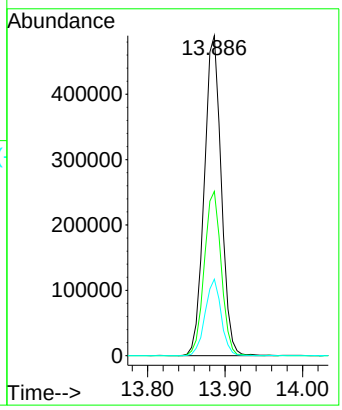




#89
n-Butylbenzene
Concen: 55.072 ug/l
RT: 13.886 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN074576.D
Acq: 19 Sep 2022 10:44

Tgt Ion: 91 Resp: 74643

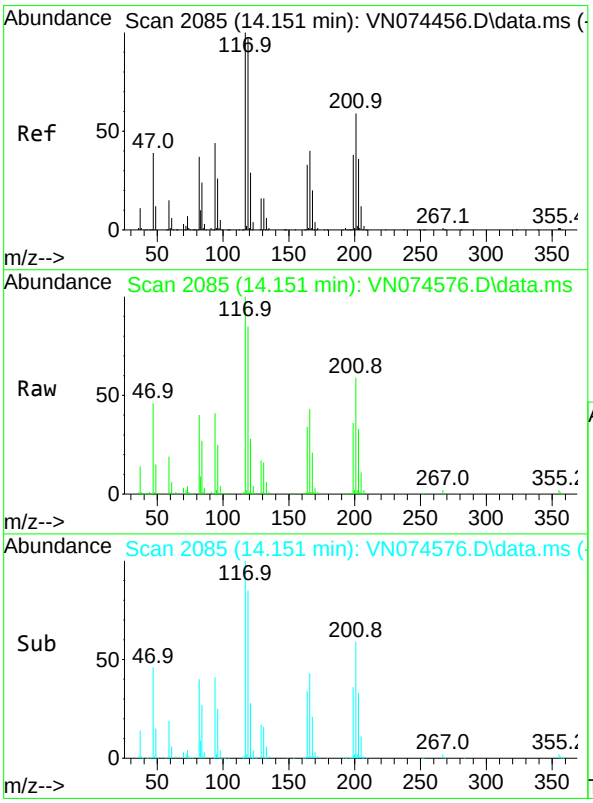
Ion	Ratio	Lower	Upper
91	100		
92	51.2	26.9	80.7
134	22.6	13.6	40.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

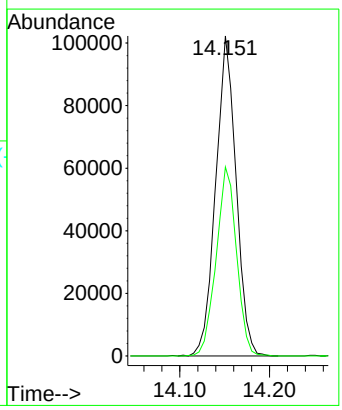
Reviewed By :Krupa Patel 09/21/2022
Supervised By :Mahesh Dadoda 09/21/2022

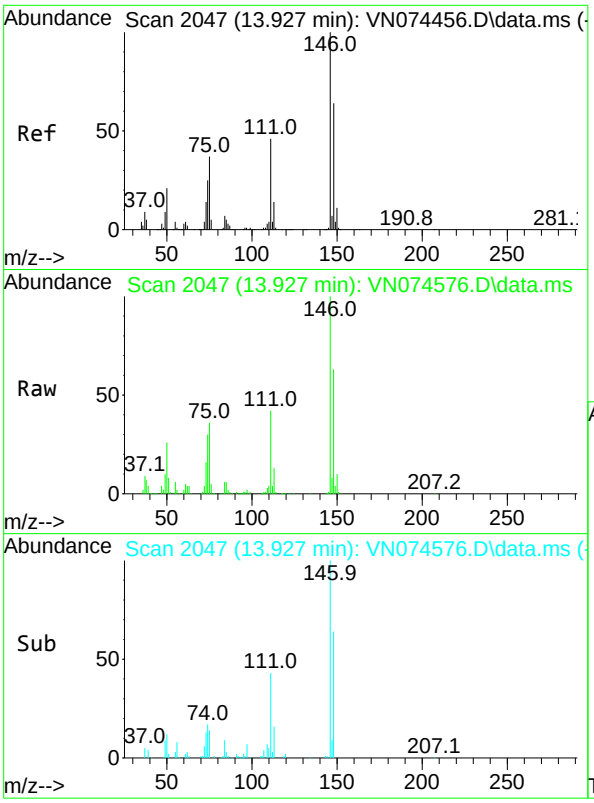


#90
Hexachloroethane
Concen: 49.296 ug/l
RT: 14.151 min Scan# 2085
Delta R.T. -0.000 min
Lab File: VN074576.D
Acq: 19 Sep 2022 10:44

Tgt Ion:117 Resp: 161290

Ion	Ratio	Lower	Upper
117	100		
201	58.9	40.6	122.0

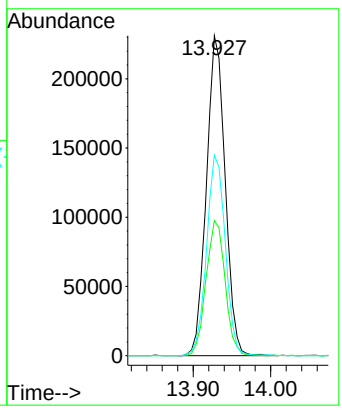




#91
1,2-Dichlorobenzene
Concen: 50.383 ug/l
RT: 13.927 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN074576.D
Acq: 19 Sep 2022 10:44

Tgt Ion:146 Resp: 38850

Ion	Ratio	Lower	Upper
146	100		
111	43.1	20.9	62.8
148	62.6	32.1	96.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
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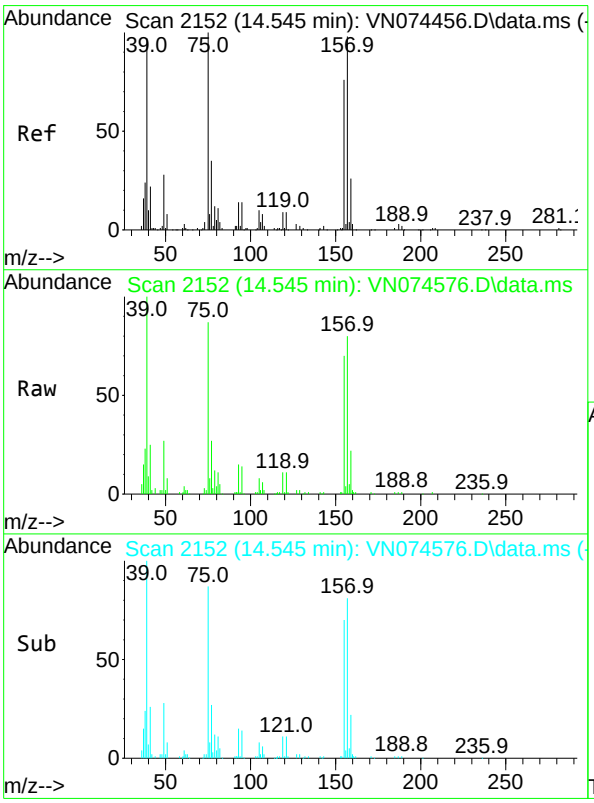
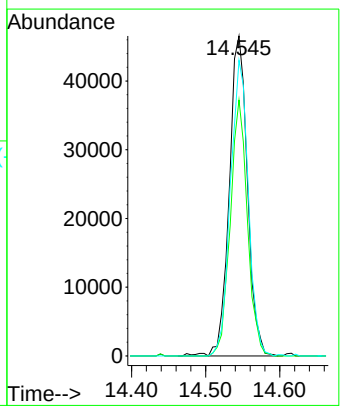
Reviewed By :Krupa Patel 09/21/2022
Supervised By :Mahesh Dadoda 09/21/2022

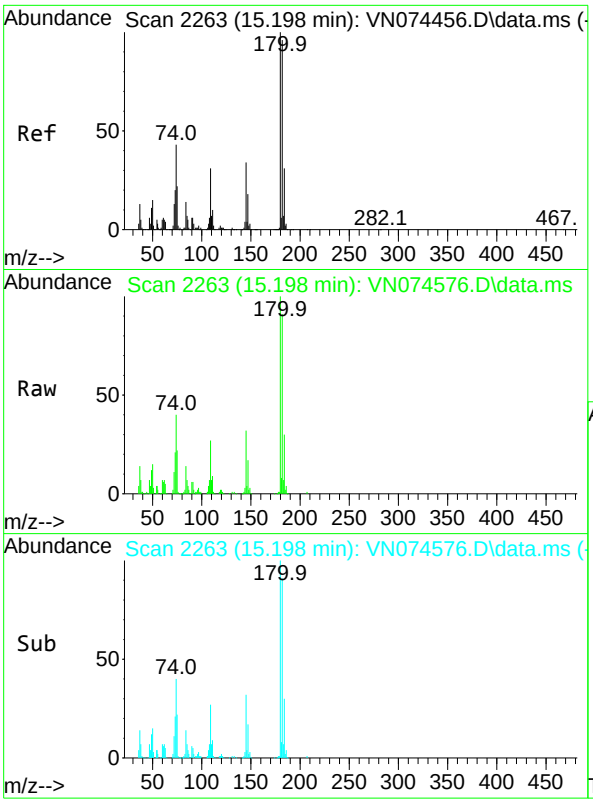


#92
1,2-Dibromo-3-Chloropropane
Concen: 47.285 ug/l
RT: 14.545 min Scan# 2152
Delta R.T. -0.000 min
Lab File: VN074576.D
Acq: 19 Sep 2022 10:44

Tgt Ion: 75 Resp: 79229

Ion	Ratio	Lower	Upper
75	100		
155	75.4	44.9	134.5
157	91.3	59.0	176.8

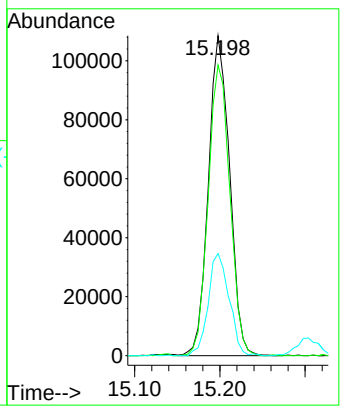




#93
1,2,4-Trichlorobenzene
Concen: 51.200 ug/l
RT: 15.198 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN074576.D
Acq: 19 Sep 2022 10:44

Tgt Ion:180 Resp: 18809

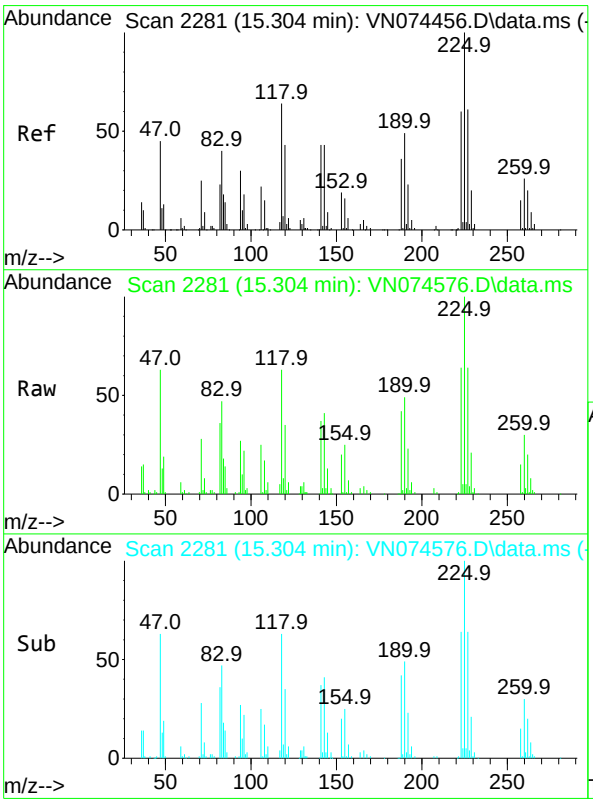
Ion	Ratio	Lower	Upper
180	100		
182	92.6	47.5	142.5
145	31.4	14.5	43.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

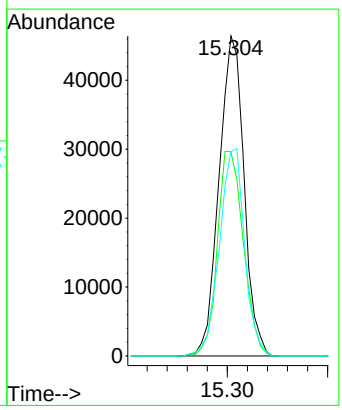
Reviewed By :Krupa Patel 09/21/2022
Supervised By :Mahesh Dadoda 09/21/2022

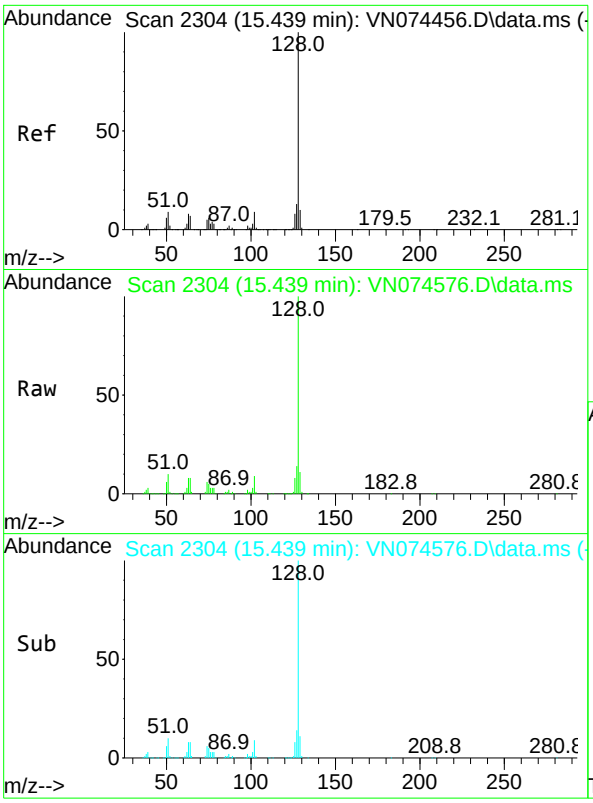


#94
Hexachlorobutadiene
Concen: 49.634 ug/l
RT: 15.304 min Scan# 2281
Delta R.T. -0.000 min
Lab File: VN074576.D
Acq: 19 Sep 2022 10:44

Tgt Ion:225 Resp: 80137

Ion	Ratio	Lower	Upper
225	100		
223	66.5	32.4	97.2
227	65.6	31.8	95.4

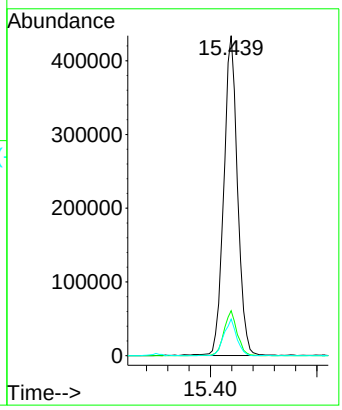




#95
Naphthalene
Concen: 49.114 ug/l
RT: 15.439 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN074576.D
Acq: 19 Sep 2022 10:44

Tgt Ion:128 Resp: 77695

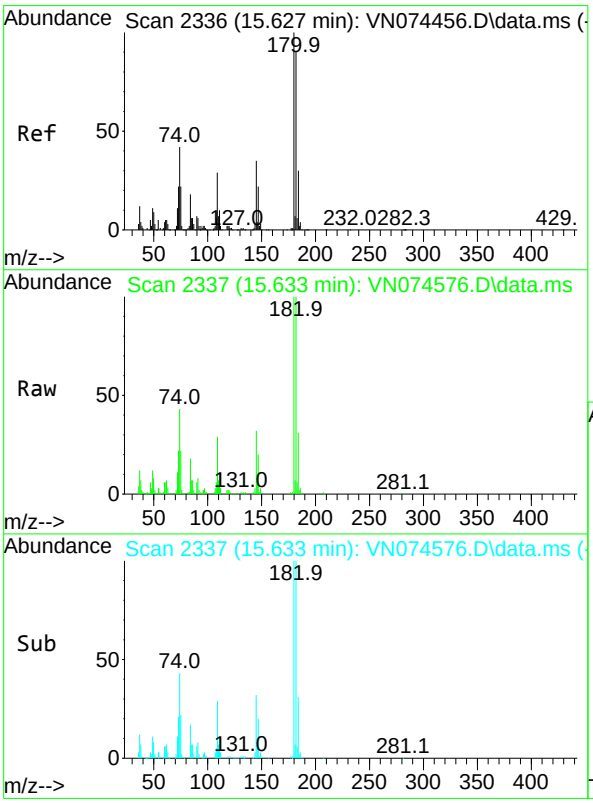
Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.3	15.5
129	10.7	8.6	13.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

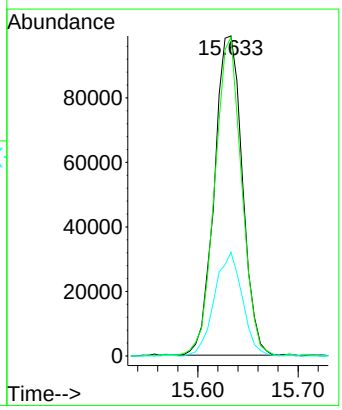
Reviewed By :Krupa Patel 09/21/2022
Supervised By :Mahesh Dadoda 09/21/2022



#96
1,2,3-Trichlorobenzene
Concen: 50.344 ug/l
RT: 15.633 min Scan# 2337
Delta R.T. 0.006 min
Lab File: VN074576.D
Acq: 19 Sep 2022 10:44

Tgt Ion:180 Resp: 191692

Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.8	143.3
145	32.3	15.5	46.5



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091922\
Data File : VN074576.D
Acq On : 19 Sep 2022 10:44
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Sep 20 04:17:42 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 15 19:20:33 2022
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	51	0.00
2	T	Dichlorodifluoromethane	0.544	0.480	11.8	52	0.00
3	P	Chloromethane	1.009	0.926	8.2	56	0.00
4	C	Vinyl Chloride	0.979	1.158	-18.3#	70	0.00
5	T	Bromomethane	0.517	0.800	-54.7#	85	0.00
6	T	Chloroethane	0.669	0.868	-29.7#	77	-0.01
7	T	Trichlorofluoromethane	1.082	1.044	3.5	56	-0.01
8	T	Diethyl Ether	0.552	0.527	4.5	55	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.669	0.656	1.9	57	0.00
10	T	Methyl Iodide	0.789	0.776	1.6	53	0.00
11	T	Tert butyl alcohol	0.276	0.248	10.1	54	0.00
12	CM	1,1-Dichloroethene	0.719	0.642	10.7#	55	0.00
13	T	Acrolein	0.101	0.116	-14.9	61	0.00
14	T	Allyl chloride	1.572	1.595	-1.5	58	0.00
15	T	Acrylonitrile	0.621	0.663	-6.8	59	0.00
16	T	Acetone	0.543	0.562	-3.5	61	0.00
17	T	Carbon Disulfide	1.806	1.581	12.5	51	-0.01
18	T	Methyl Acetate	1.686	1.743	-3.4	60	0.00
19	T	Methyl tert-butyl Ether	2.775	2.798	-0.8	57	0.00
20	T	Methylene Chloride	0.930	0.829	10.9	56	0.00
21	T	trans-1,2-Dichloroethene	0.785	0.702	10.6	54	0.00
22	T	Diisopropyl ether	3.157	3.415	-8.2	60	-0.01
23	T	Vinyl Acetate	2.785	3.153	-13.2	61	0.00
24	P	1,1-Dichloroethane	1.578	1.601	-1.5	58	0.00
25	T	2-Butanone	0.901	0.986	-9.4	60	0.00
26	T	2,2-Dichloropropane	1.361	1.288	5.4	56	0.00
27	T	cis-1,2-Dichloroethene	0.926	0.891	3.8	55	0.00
28	T	Bromochloromethane	0.544	0.466	14.3	57	0.00
29	T	Tetrahydrofuran	0.593	0.662	-11.6	61	0.00
30	C	Chloroform	1.457	1.527	-4.8#	58	0.00
31	T	Cyclohexane	1.506	1.417	5.9	55	0.00
32	T	1,1,1-Trichloroethane	1.278	1.233	3.5	55	0.00
33	S	1,2-Dichloroethane-d4	0.848	0.836	1.4	53	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	50	0.00
35	S	Dibromofluoromethane	0.332	0.331	0.3	51	0.00
36	T	1,1-Dichloropropene	0.588	0.589	-0.2	56	0.00
37	T	Ethyl Acetate	0.908	1.011	-11.3	59	0.00
38	T	Carbon Tetrachloride	0.543	0.544	-0.2	54	0.00
39	T	Methylcyclohexane	0.699	0.711	-1.7	54	0.00
40	TM	Benzene	1.818	1.873	-3.0	56	0.00
41	T	Methacrylonitrile	0.439	0.520	-18.5	65	0.00
42	TM	1,2-Dichloroethane	0.624	0.686	-9.9	59	0.00
43	T	Isopropyl Acetate	1.422	1.611	-13.3	61	0.00
44	TM	Trichloroethene	0.393	0.381	3.1	55	0.00
45	C	1,2-Dichloropropane	0.500	0.521	-4.2#	57	0.00
46	T	Dibromomethane	0.313	0.335	-7.0	59	0.00
47	T	Bromodichloromethane	0.613	0.663	-8.2	58	0.00
48	T	Methyl methacrylate	0.631	0.740	-17.3	65	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091922\
Data File : VN074576.D
Acq On : 19 Sep 2022 10:44
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Sep 20 04:17:42 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 15 19:20:33 2022
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.012	0.013	-8.3	56	0.00
50	S	Toluene-d8	1.285	1.252	2.6	51	0.00
51	T	4-Methyl-2-Pentanone	0.929	1.125	-21.1	63	0.00
52	CM	Toluene	1.066	1.143	-7.2#	56	0.00
53	T	t-1,3-Dichloropropene	0.715	0.768	-7.4	57	0.00
54	T	cis-1,3-Dichloropropene	0.765	0.788	-3.0	55	0.00
55	T	1,1,2-Trichloroethane	0.452	0.478	-5.8	58	0.00
56	T	Ethyl methacrylate	0.807	0.872	-8.1	57	0.00
57	T	1,3-Dichloropropane	0.792	0.869	-9.7	59	0.00
58	T	2-Chloroethyl Vinyl ether	0.355	0.366	-3.1	53	0.00
59	T	2-Hexanone	0.709	0.859	-21.2	63	0.00
60	T	Dibromochloromethane	0.432	0.473	-9.5	58	0.00
61	T	1,2-Dibromoethane	0.439	0.474	-8.0	57	0.00
62	S	4-Bromofluorobenzene	0.440	0.462	-5.0	52	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	52	0.00
64	T	Tetrachloroethene	0.343	0.336	2.0	56	0.00
65	PM	Chlorobenzene	1.255	1.251	0.3	56	0.00
66	T	1,1,1,2-Tetrachloroethane	0.456	0.465	-2.0	57	0.00
67	C	Ethyl Benzene	2.305	2.447	-6.2#	58	0.00
68	T	m/p-Xylenes	0.852	0.915	-7.4	57	0.00
69	T	o-Xylene	0.869	0.920	-5.9	57	0.00
70	T	Styrene	1.445	1.530	-5.9	57	0.00
71	P	Bromoform	0.335	0.370	-10.4	58	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	52	0.00
73	T	Isopropylbenzene	5.120	5.063	1.1	57	0.00
74	T	N-amyl acetate	3.201	3.405	-6.4	64	0.00
75	P	1,1,2,2-Tetrachloroethane	2.052	2.036	0.8	60	0.00
76	T	1,2,3-Trichloropropane	1.539	1.483	3.6	58	0.00
77	T	Bromobenzene	1.094	1.110	-1.5	60	0.00
78	T	n-propylbenzene	6.098	6.242	-2.4	58	0.00
79	T	2-Chlorotoluene	3.640	3.613	0.7	58	0.00
80	T	1,3,5-Trimethylbenzene	4.173	4.204	-0.7	57	0.00
81	T	trans-1,4-Dichloro-2-butene	0.713	0.700	1.8	56	0.00
82	T	4-Chlorotoluene	3.460	3.484	-0.7	58	0.00
83	T	tert-Butylbenzene	3.798	3.762	0.9	57	0.00
84	T	1,2,4-Trimethylbenzene	4.200	4.258	-1.4	58	0.00
85	T	sec-Butylbenzene	5.215	5.439	-4.3	58	0.00
86	T	p-Isopropyltoluene	4.066	4.353	-7.1	58	0.00
87	T	1,3-Dichlorobenzene	2.010	2.107	-4.8	60	0.00
88	T	1,4-Dichlorobenzene	2.020	2.025	-0.2	59	0.00
89	T	n-Butylbenzene	3.665	4.036	-10.1	60	0.00
90	T	Hexachloroethane	0.885	0.872	1.5	57	0.00
91	T	1,2-Dichlorobenzene	2.085	2.101	-0.8	60	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.453	0.428	5.5	56	0.00
93	T	1,2,4-Trichlorobenzene	0.993	1.017	-2.4	58	0.00
94	T	Hexachlorobutadiene	0.437	0.433	0.9	60	0.00
95	T	Naphthalene	4.204	4.201	0.1	57	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091922\
Data File : VN074576.D
Acq On : 19 Sep 2022 10:44
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Sep 20 04:17:42 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 15 19:20:33 2022
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	1.032	1.037	-0.5	58	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091922\
Data File : VN074576.D
Acq On : 19 Sep 2022 10:44
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Sep 20 04:17:42 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 15 19:20:33 2022
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	51	0.00
2	T	Dichlorodifluoromethane	50.000	44.086	11.8	52	0.00
3	P	Chloromethane	50.000	50.604	-1.2	56	0.00
4	C	Vinyl Chloride	50.000	59.112	-18.2#	70	0.00
5	T	Bromomethane	50.000	77.417	-54.8#	85	0.00
6	T	Chloroethane	50.000	64.864	-29.7#	77	-0.01
7	T	Trichlorofluoromethane	50.000	48.274	3.5	56	-0.01
8	T	Diethyl Ether	50.000	47.807	4.4	55	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	48.996	2.0	57	0.00
10	T	Methyl Iodide	50.000	49.128	1.7	53	0.00
11	T	Tert butyl alcohol	250.000	224.204	10.3	54	0.00
12	CM	1,1-Dichloroethene	50.000	48.707	2.6#	55	0.00
13	T	Acrolein	250.000	288.156	-15.3	61	0.00
14	T	Allyl chloride	50.000	50.711	-1.4	58	0.00
15	T	Acrylonitrile	250.000	266.948	-6.8	59	0.00
16	T	Acetone	250.000	258.672	-3.5	61	0.00
17	T	Carbon Disulfide	50.000	43.775	12.5	51	-0.01
18	T	Methyl Acetate	50.000	51.687	-3.4	60	0.00
19	T	Methyl tert-butyl Ether	50.000	50.408	-0.8	57	0.00
20	T	Methylene Chloride	50.000	50.039	-0.1	56	0.00
21	T	trans-1,2-Dichloroethene	50.000	48.558	2.9	54	0.00
22	T	Diisopropyl ether	50.000	54.082	-8.2	60	-0.01
23	T	Vinyl Acetate	250.000	283.040	-13.2	61	0.00
24	P	1,1-Dichloroethane	50.000	50.730	-1.5	58	0.00
25	T	2-Butanone	250.000	273.385	-9.4	60	0.00
26	T	2,2-Dichloropropane	50.000	47.320	5.4	56	0.00
27	T	cis-1,2-Dichloroethene	50.000	48.124	3.8	55	0.00
28	T	Bromochloromethane	50.000	50.135	-0.3	57	0.00
29	T	Tetrahydrofuran	250.000	279.262	-11.7	61	0.00
30	C	Chloroform	50.000	52.413	-4.8#	58	0.00
31	T	Cyclohexane	50.000	47.062	5.9	55	0.00
32	T	1,1,1-Trichloroethane	50.000	48.246	3.5	55	0.00
33	S	1,2-Dichloroethane-d4	50.000	49.251	1.5	53	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	50	0.00
35	S	Dibromofluoromethane	50.000	49.845	0.3	51	0.00
36	T	1,1-Dichloropropene	50.000	50.077	-0.2	56	0.00
37	T	Ethyl Acetate	50.000	55.692	-11.4	59	0.00
38	T	Carbon Tetrachloride	50.000	50.149	-0.3	54	0.00
39	T	Methylcyclohexane	50.000	50.834	-1.7	54	0.00
40	TM	Benzene	50.000	51.520	-3.0	56	0.00
41	T	Methacrylonitrile	50.000	59.265	-18.5	65	0.00
42	TM	1,2-Dichloroethane	50.000	54.967	-9.9	59	0.00
43	T	Isopropyl Acetate	50.000	56.637	-13.3	61	0.00
44	TM	Trichloroethene	50.000	48.394	3.2	55	0.00
45	C	1,2-Dichloropropane	50.000	52.144	-4.3#	57	0.00
46	T	Dibromomethane	50.000	53.548	-7.1	59	0.00
47	T	Bromodichloromethane	50.000	54.006	-8.0	58	0.00
48	T	Methyl methacrylate	50.000	58.681	-17.4	65	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091922\
Data File : VN074576.D
Acq On : 19 Sep 2022 10:44
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Sep 20 04:17:42 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 15 19:20:33 2022
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	1037.464	-3.7	56	0.00
50	S	Toluene-d8	50.000	48.742	2.5	51	0.00
51	T	4-Methyl-2-Pentanone	250.000	302.733	-21.1	63	0.00
52	CM	Toluene	50.000	53.607	-7.2#	56	0.00
53	T	t-1,3-Dichloropropene	50.000	53.689	-7.4	57	0.00
54	T	cis-1,3-Dichloropropene	50.000	51.522	-3.0	55	0.00
55	T	1,1,2-Trichloroethane	50.000	52.887	-5.8	58	0.00
56	T	Ethyl methacrylate	50.000	54.069	-8.1	57	0.00
57	T	1,3-Dichloropropane	50.000	54.850	-9.7	59	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	257.418	-3.0	53	0.00
59	T	2-Hexanone	250.000	302.893	-21.2	63	0.00
60	T	Dibromochloromethane	50.000	54.709	-9.4	58	0.00
61	T	1,2-Dibromoethane	50.000	54.052	-8.1	57	0.00
62	S	4-Bromofluorobenzene	50.000	52.463	-4.9	52	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	52	0.00
64	T	Tetrachloroethene	50.000	49.029	1.9	56	0.00
65	PM	Chlorobenzene	50.000	49.844	0.3	56	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	51.012	-2.0	57	0.00
67	C	Ethyl Benzene	50.000	53.081	-6.2#	58	0.00
68	T	m/p-Xylenes	100.000	107.387	-7.4	57	0.00
69	T	o-Xylene	50.000	52.971	-5.9	57	0.00
70	T	Styrene	50.000	52.941	-5.9	57	0.00
71	P	Bromoform	50.000	55.256	-10.5	58	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	52	0.00
73	T	Isopropylbenzene	50.000	49.448	1.1	57	0.00
74	T	N-amyl acetate	50.000	53.181	-6.4	64	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	49.627	0.7	60	0.00
76	T	1,2,3-Trichloropropane	50.000	48.181	3.6	58	0.00
77	T	Bromobenzene	50.000	50.732	-1.5	60	0.00
78	T	n-propylbenzene	50.000	51.187	-2.4	58	0.00
79	T	2-Chlorotoluene	50.000	49.627	0.7	58	0.00
80	T	1,3,5-Trimethylbenzene	50.000	50.369	-0.7	57	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	49.061	1.9	56	0.00
82	T	4-Chlorotoluene	50.000	50.351	-0.7	58	0.00
83	T	tert-Butylbenzene	50.000	49.526	0.9	57	0.00
84	T	1,2,4-Trimethylbenzene	50.000	50.687	-1.4	58	0.00
85	T	sec-Butylbenzene	50.000	52.148	-4.3	58	0.00
86	T	p-Isopropyltoluene	50.000	53.531	-7.1	58	0.00
87	T	1,3-Dichlorobenzene	50.000	52.418	-4.8	60	0.00
88	T	1,4-Dichlorobenzene	50.000	50.124	-0.2	59	0.00
89	T	n-Butylbenzene	50.000	55.072	-10.1	60	0.00
90	T	Hexachloroethane	50.000	49.296	1.4	57	0.00
91	T	1,2-Dichlorobenzene	50.000	50.383	-0.8	60	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	47.285	5.4	56	0.00
93	T	1,2,4-Trichlorobenzene	50.000	51.200	-2.4	58	0.00
94	T	Hexachlorobutadiene	50.000	49.634	0.7	60	0.00
95	T	Naphthalene	50.000	49.114	1.8	57	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091922\
Data File : VN074576.D
Acq On : 19 Sep 2022 10:44
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Sep 20 04:17:42 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 15 19:20:33 2022
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	50.344	-0.7	58	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

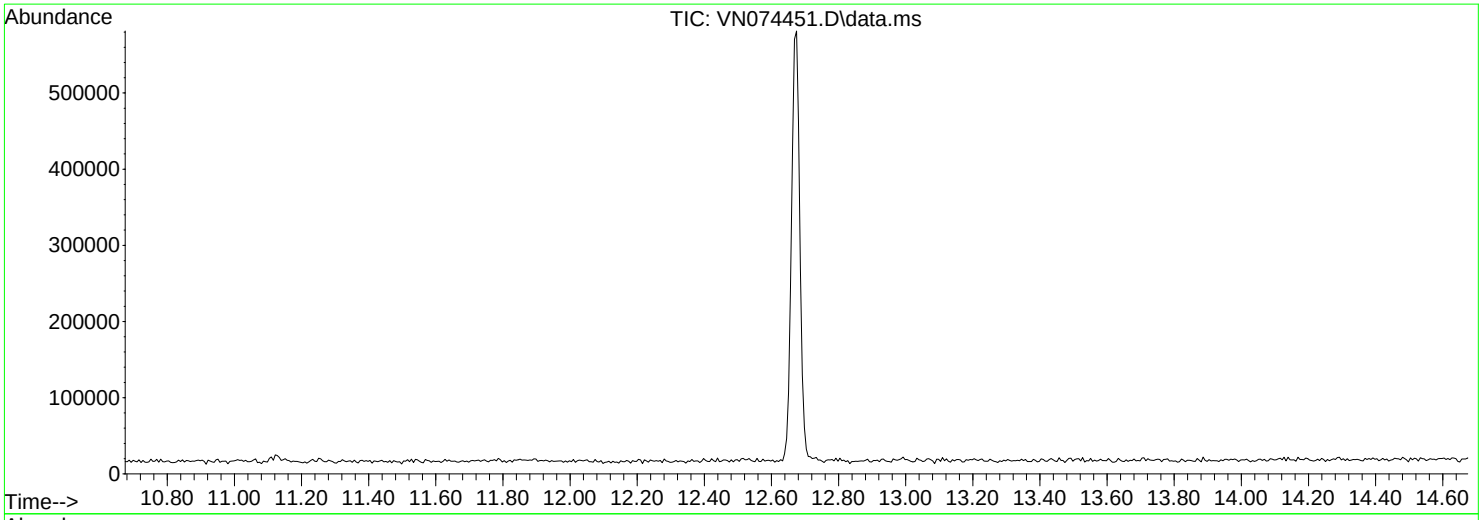
QC SAMPLE DATA

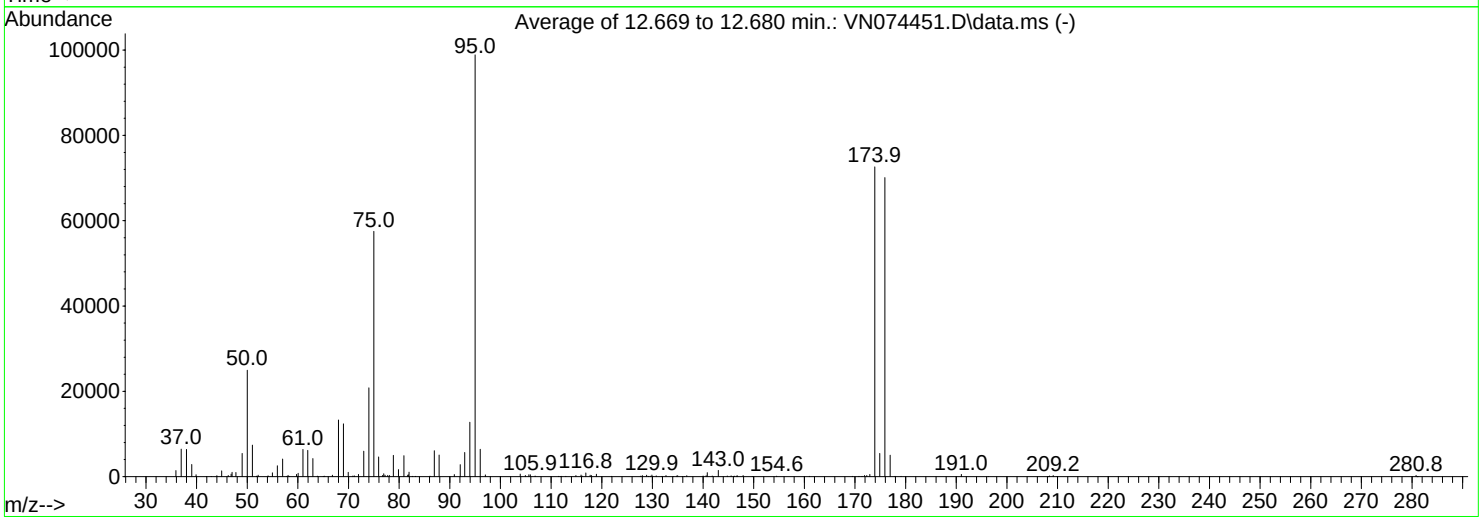
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091522\
Data File : VN074451.D
Acq On : 15 Sep 2022 09:22
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Title : SW846 8260
Last Update : Thu Sep 15 19:20:33 2022





AutoFind: Scans 1833, 1834, 1835; Background Corrected with Scan 1824

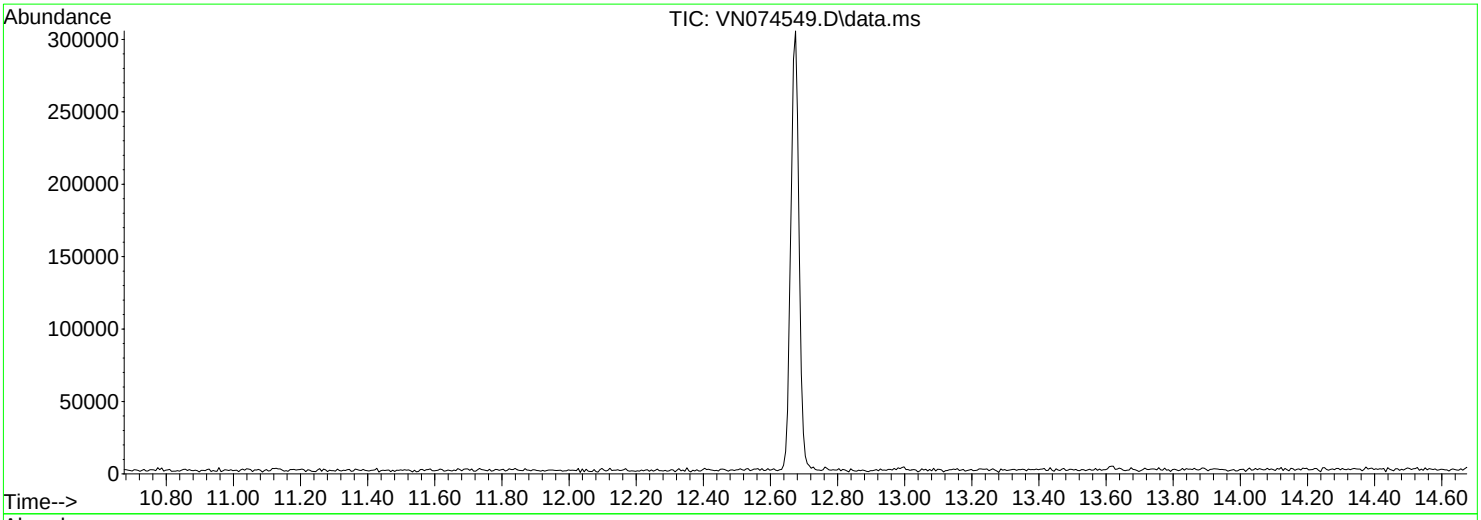
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	25.2	24952	PASS
75	95	30	60	58.2	57499	PASS
95	95	100	100	100.0	98877	PASS
96	95	5	9	6.5	6433	PASS
173	174	0.00	2	0.7	528	PASS
174	95	50	100	73.5	72635	PASS
175	174	5	9	7.5	5454	PASS
176	174	95	101	96.5	70107	PASS
177	176	5	9	7.2	5014	PASS

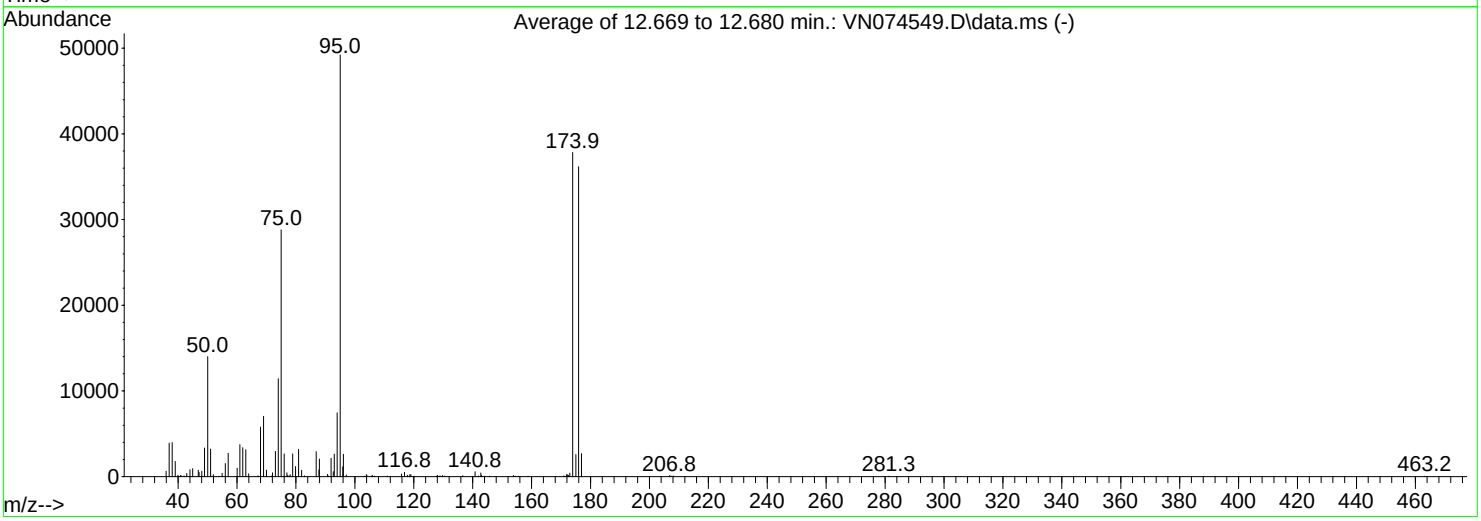
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091722\
Data File : VN074549.D
Acq On : 17 Sep 2022 12:06
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Title : SW846 8260
Last Update : Thu Sep 15 19:20:33 2022





AutoFind: Scans 1833, 1834, 1835; Background Corrected with Scan 1825

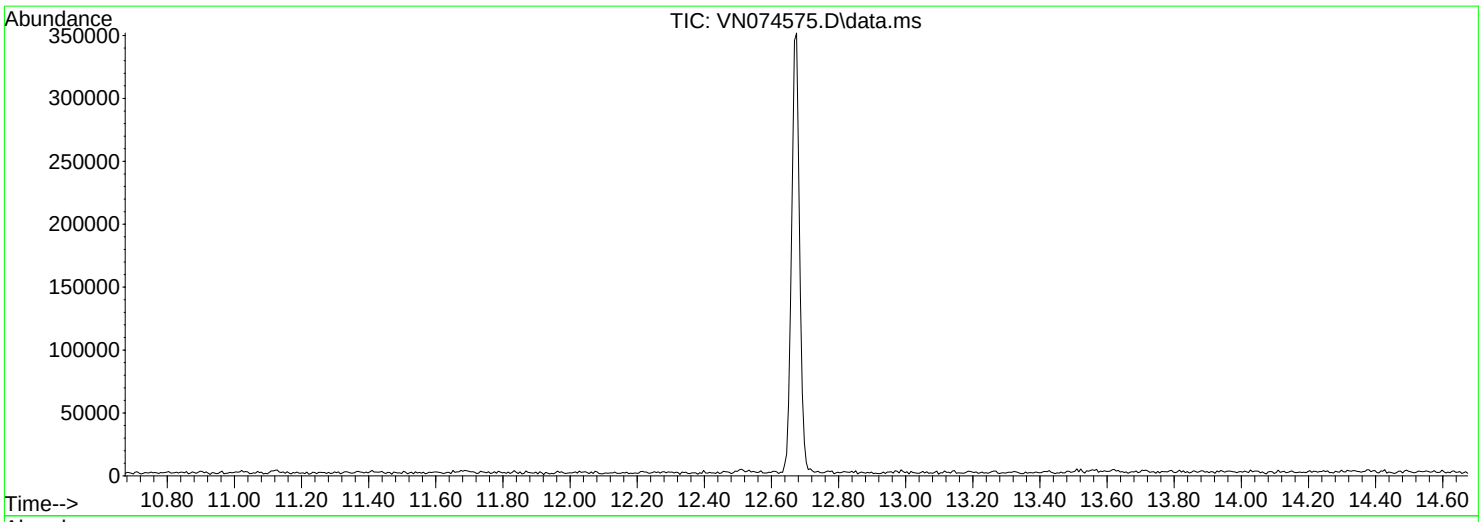
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	28.5	14012	PASS
75	95	30	60	58.5	28813	PASS
95	95	100	100	100.0	49224	PASS
96	95	5	9	5.3	2615	PASS
173	174	0.00	2	1.1	408	PASS
174	95	50	100	76.8	37824	PASS
175	174	5	9	6.8	2587	PASS
176	174	95	101	95.6	36160	PASS
177	176	5	9	7.4	2685	PASS

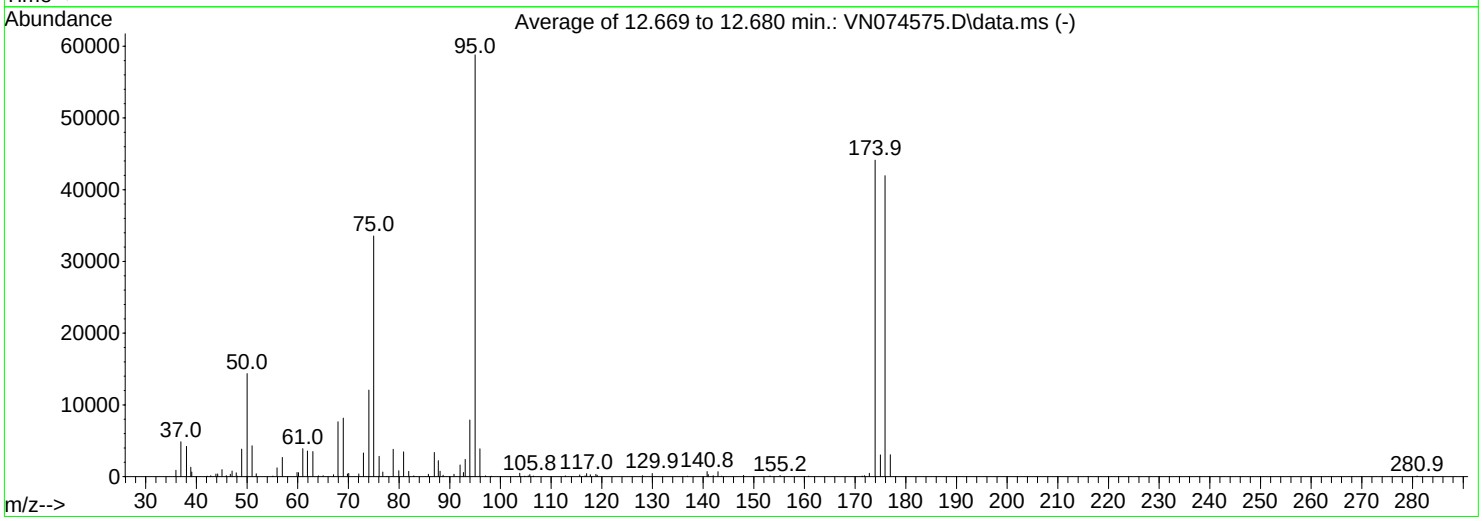
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091922\
Data File : VN074575.D
Acq On : 19 Sep 2022 09:31
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Title : SW846 8260
Last Update : Thu Sep 15 19:20:33 2022





AutoFind: Scans 1833, 1834, 1835; Background Corrected with Scan 1824

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	24.4	14374	PASS
75	95	30	60	57.1	33557	PASS
95	95	100	100	100.0	58797	PASS
96	95	5	9	6.6	3891	PASS
173	174	0.00	2	1.1	469	PASS
174	95	50	100	75.0	44117	PASS
175	174	5	9	6.9	3037	PASS
176	174	95	101	95.1	41947	PASS
177	176	5	9	7.3	3056	PASS

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrews St. Site	Date Received:	
Client Sample ID:	VN0917WBL01	SDG No.:	N4647
Lab Sample ID:	VN0917WBL01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN074551.D	1		09/17/22 13:14	VN091722

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.17	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.20	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.22	1.00	ug/L
74-83-9	Bromomethane	5.00	U	1.60	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.26	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.20	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.17	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.23	1.00	ug/L
67-64-1	Acetone	5.00	U	1.20	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.26	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.18	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.53	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.20	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.20	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.20	5.00	ug/L
78-93-3	2-Butanone	5.00	U	0.82	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.18	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00	U	0.17	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.19	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.18	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.18	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.13	1.00	ug/L
71-43-2	Benzene	1.00	U	0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.18	1.00	ug/L
79-01-6	Trichloroethene	1.00	U	0.27	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.17	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.18	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.87	5.00	ug/L
108-88-3	Toluene	1.00	U	0.17	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.14	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.16	1.00	ug/L

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrews St. Site	Date Received:	
Client Sample ID:	VN0917WBL01	SDG No.:	N4647
Lab Sample ID:	VN0917WBL01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN074551.D	1		09/17/22 13:14	VN091722

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1.00	U	0.19	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	0.76	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.14	1.00	ug/L
127-18-4	Tetrachloroethene	1.00	U	0.18	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.17	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.17	1.00	ug/L
179601-23-1	m/p-Xylenes	2.00	U	0.33	2.00	ug/L
95-47-6	o-Xylene	1.00	U	0.18	1.00	ug/L
100-42-5	Styrene	1.00	U	0.13	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.16	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.19	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.23	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.20	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.17	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.42	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.23	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.33	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46.1		74 - 125	92%	SPK: 50
1868-53-7	Dibromofluoromethane	48.1		75 - 124	96%	SPK: 50
2037-26-5	Toluene-d8	45.3		86 - 113	91%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.8		83 - 123	98%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	264000	8.01			
540-36-3	1,4-Difluorobenzene	525000	8.904			
3114-55-4	Chlorobenzene-d5	513000	11.686			
3855-82-1	1,4-Dichlorobenzene-d4	216000	13.616			
TENTATIVE IDENTIFIED COMPOUNDS						
007446-09-5	Sulfur dioxide	16.1	J		2.20	ug/L
071552-23-3	2,4,6-Triamino-5-pyrimidinyl hydro	6.90	J		2.68	ug/L

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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrews St. Site	Date Received:	
Client Sample ID:	VN0917WBL01	SDG No.:	N4647
Lab Sample ID:	VN0917WBL01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN074551.D	1		09/17/22 13:14	VN091722

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091722\
Data File : VN074551.D
Acq On : 17 Sep 2022 13:14
Operator : JC\MD
Sample : VN0917WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBL01

Quant Time: Sep 19 02:53:47 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 15 19:20:33 2022
Response via : Initial Calibration

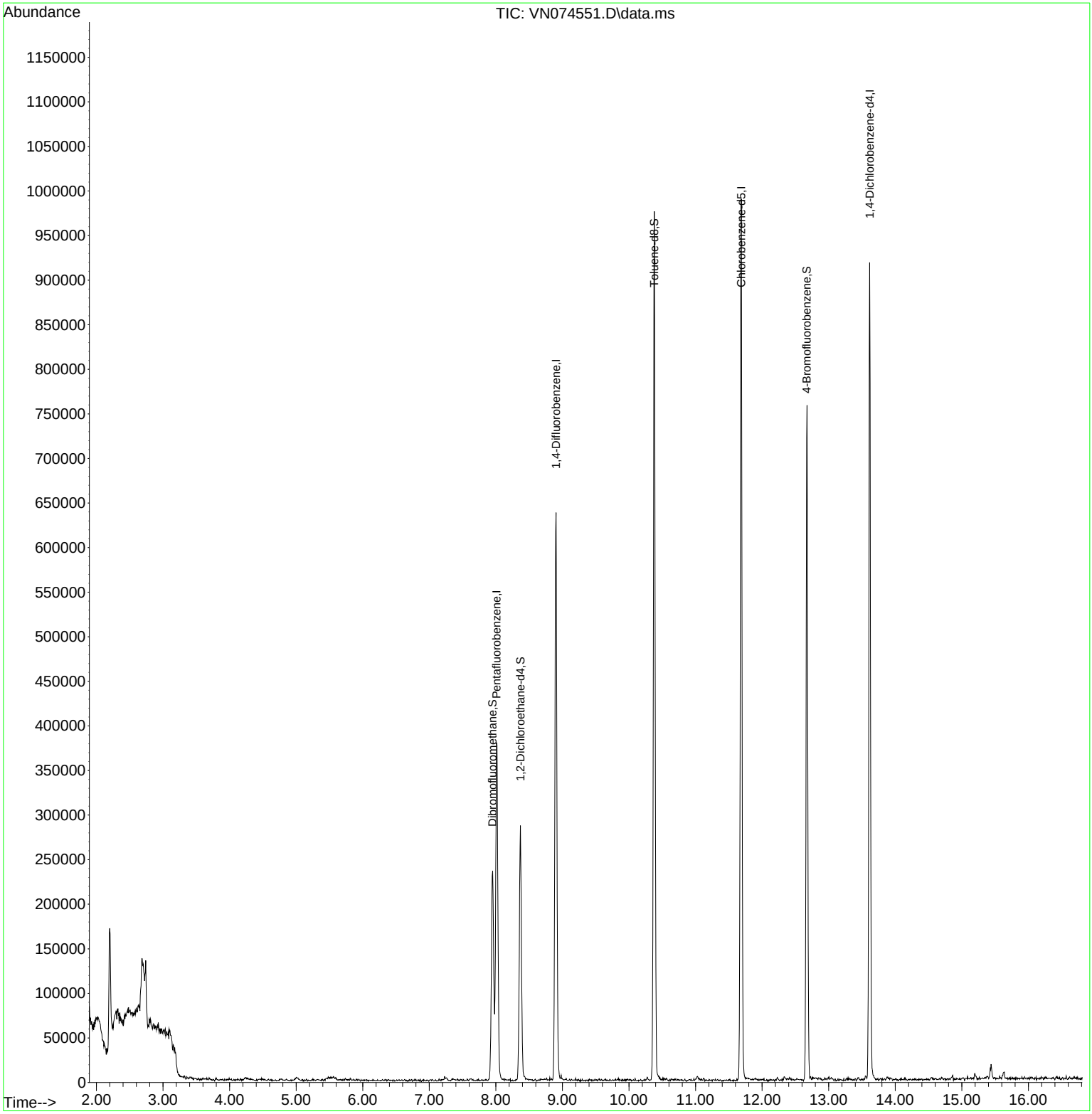
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.010	168	264069	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.904	114	525172	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	513476	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	215546	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	206625	46.116	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 92.240%			
35) Dibromofluoromethane	7.951	113	167684	48.066	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.140%			
50) Toluene-d8	10.381	98	611409	45.317	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 90.640%			
62) 4-Bromofluorobenzene	12.669	95	225654	48.834	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 97.660%			
Target Compounds						Qvalue

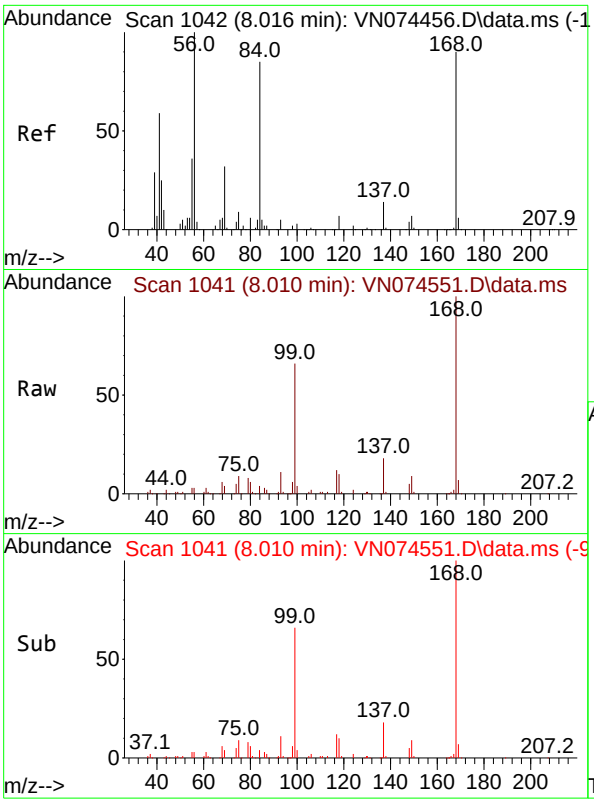
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091722\
Data File : VN074551.D
Acq On : 17 Sep 2022 13:14
Operator : JC\MD
Sample : VN0917WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBL01

Quant Time: Sep 19 02:53:47 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 15 19:20:33 2022
Response via : Initial Calibration



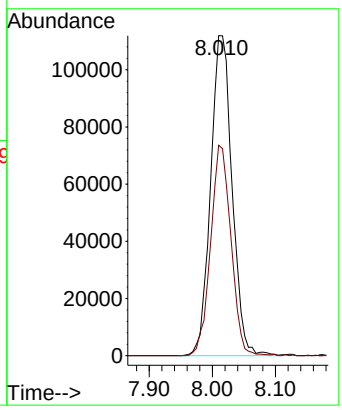


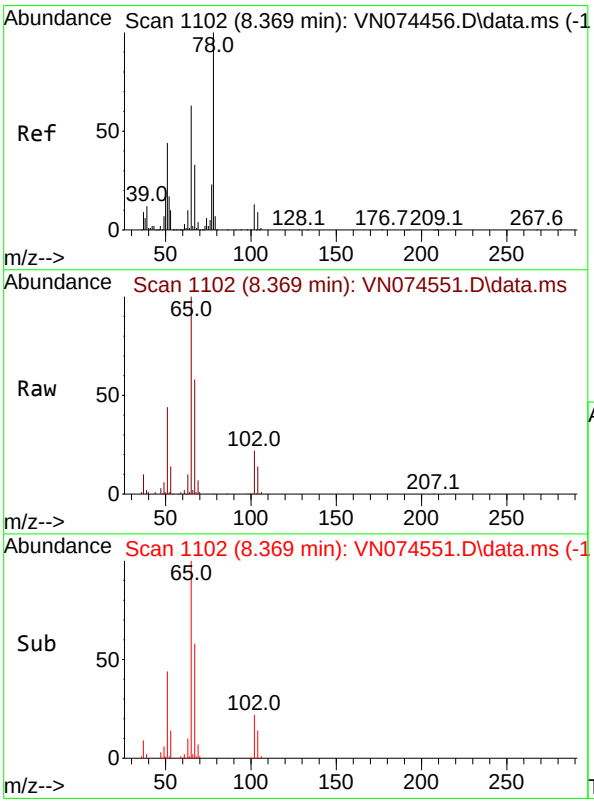
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.010 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN074551.D
Acq: 17 Sep 2022 13:14

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBL01

Tgt Ion:168 Resp: 264069

Ion	Ratio	Lower	Upper
168	100		
99	65.8	42.3	63.5#

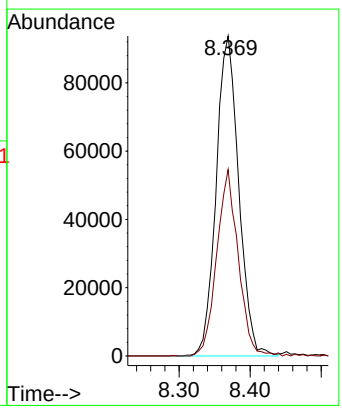


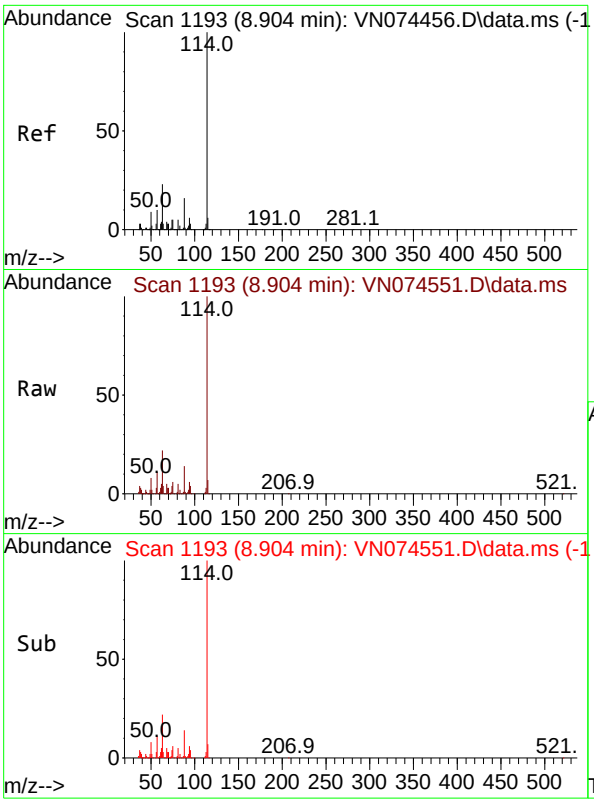


#33
1,2-Dichloroethane-d4
Concen: 46.116 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VN074551.D
Acq: 17 Sep 2022 13:14

Tgt Ion: 65 Resp: 206625

Ion	Ratio	Lower	Upper
65	100		
67	55.5	0.0	104.8



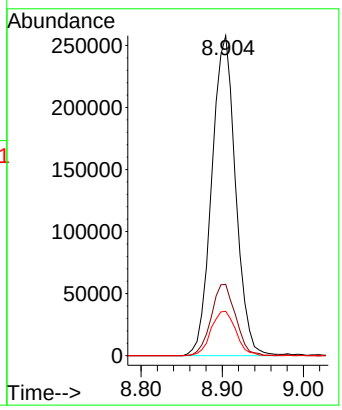


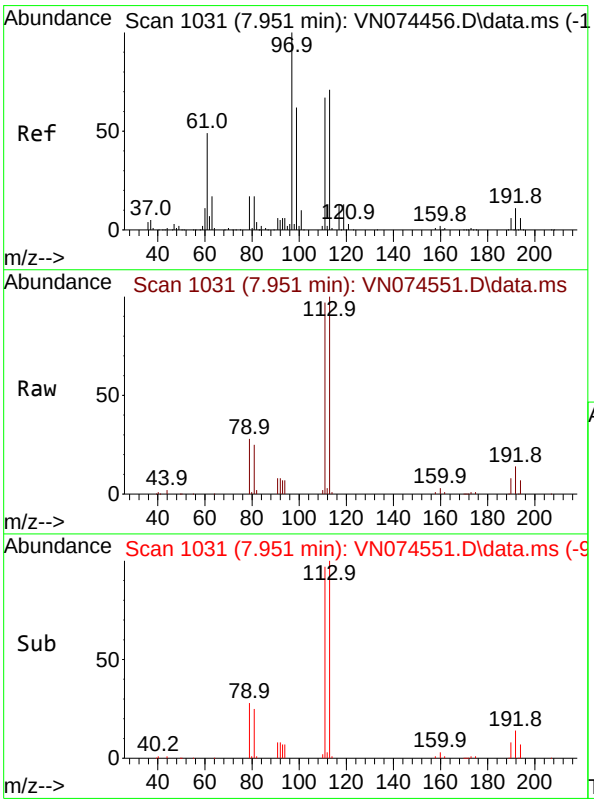
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN074551.D
Acq: 17 Sep 2022 13:14

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBL01

Tgt Ion:114 Resp: 525172

Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	40.0
88	13.8	0.0	32.6

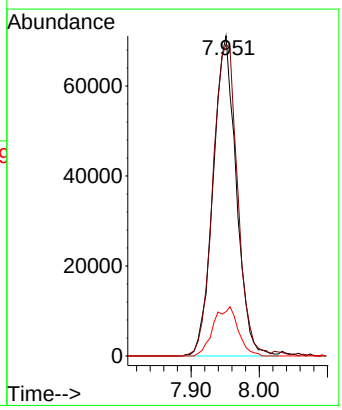


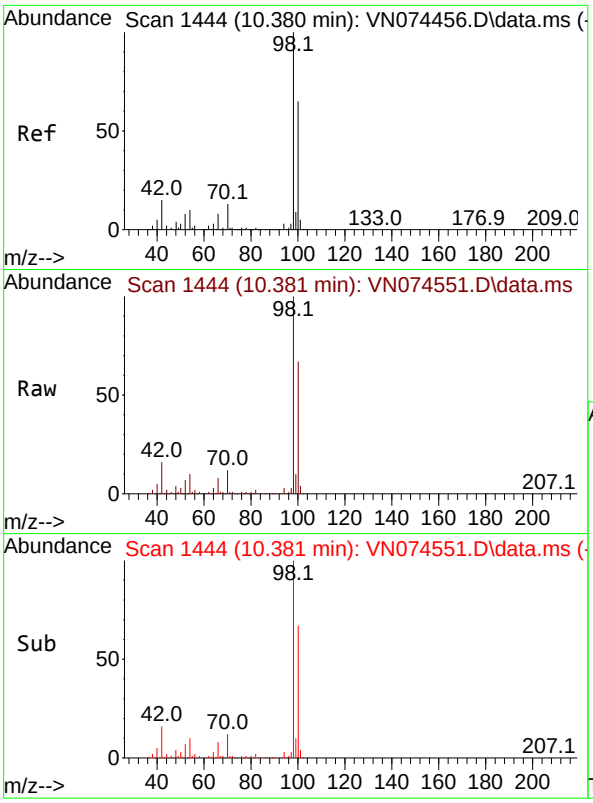


#35
Dibromofluoromethane
Concen: 48.066 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VN074551.D
Acq: 17 Sep 2022 13:14

Tgt Ion:113 Resp: 167684

Ion	Ratio	Lower	Upper
113	100		
111	103.6	81.4	122.0
192	16.5	17.0	25.6#



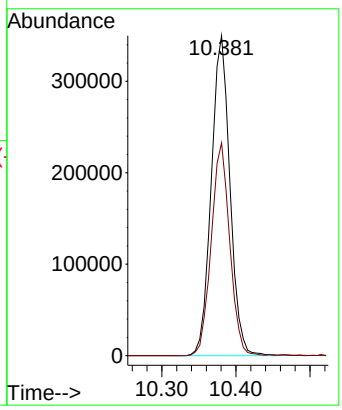


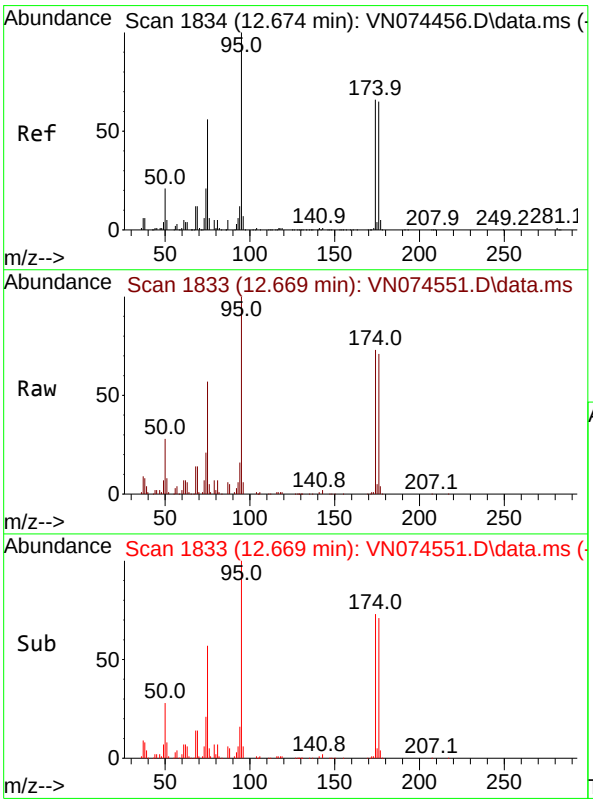
#50
Toluene-d8
Concen: 45.317 ug/l
RT: 10.381 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN074551.D
Acq: 17 Sep 2022 13:14

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBL01

Tgt Ion: 98 Resp: 611409

Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.6	78.8

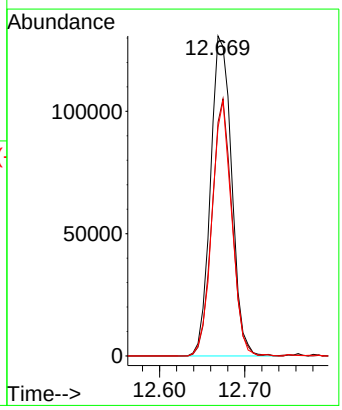


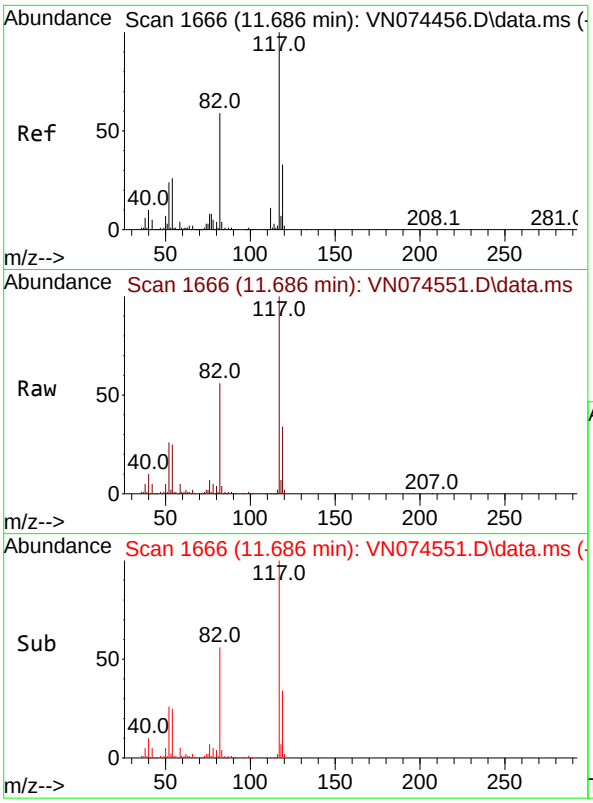


#62
4-Bromofluorobenzene
Concen: 48.834 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.005 min
Lab File: VN074551.D
Acq: 17 Sep 2022 13:14

Tgt Ion: 95 Resp: 225654

Ion	Ratio	Lower	Upper
95	100		
174	76.0	0.0	167.6
176	74.6	0.0	163.4



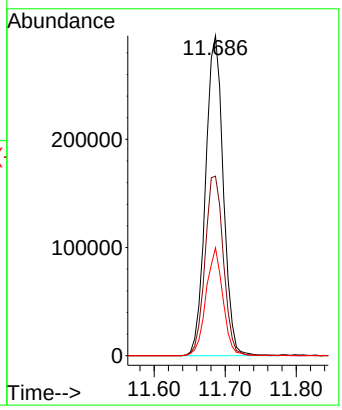


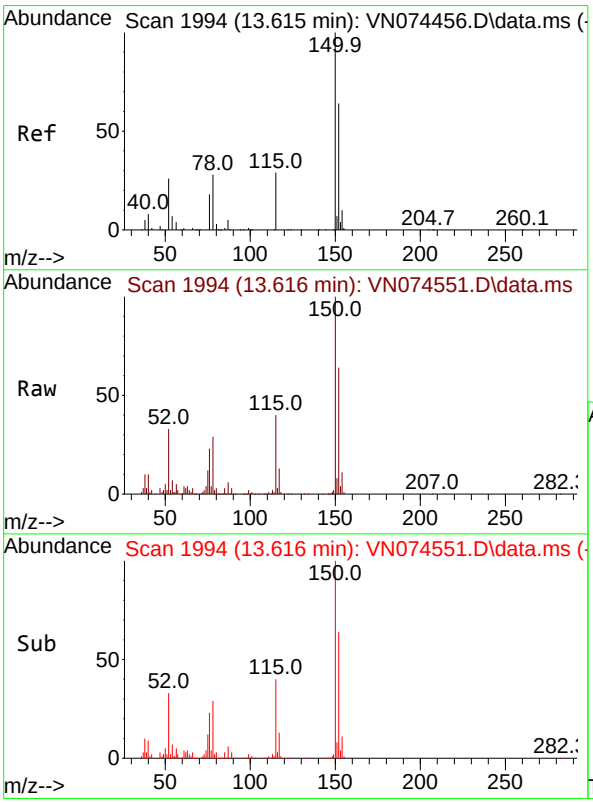
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VN074551.D
Acq: 17 Sep 2022 13:14

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBL01

Tgt Ion:117 Resp: 513476

Ion	Ratio	Lower	Upper
117	100		
82	56.1	44.2	66.2
119	33.7	25.4	38.0

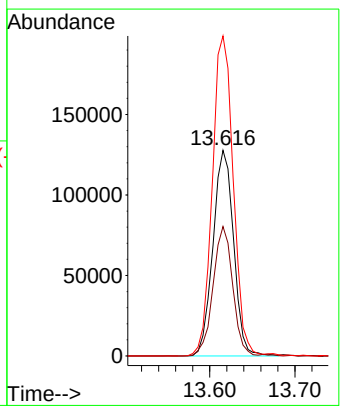




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1994
Delta R.T. 0.001 min
Lab File: VN074551.D
Acq: 17 Sep 2022 13:14

Tgt Ion:152 Resp: 215546

Ion	Ratio	Lower	Upper
152	100		
115	59.8	28.9	86.7
150	158.1	0.0	356.2



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091722\
Data File : VN074551.D
Acq On : 17 Sep 2022 13:14
Operator : JC\MD
Sample : VN0917WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBL01

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Title : SW846 8260

Signal : TIC: VN074551.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.199	48	53	60	rBV	137553	276732	15.79%	2.736%
2	2.681	130	135	138	rBV3	58708	118345	6.75%	1.170%
3	7.951	1019	1031	1036	rBV3	235437	584641	33.36%	5.781%
4	8.010	1036	1041	1055	rVB	377595	861198	49.13%	8.515%
5	8.369	1093	1102	1111	rBV	285085	628227	35.84%	6.212%
6	8.904	1184	1193	1203	rBV	636607	1312250	74.87%	12.975%
7	10.381	1435	1444	1457	rBV	974438	1737265	99.12%	17.178%
8	11.686	1656	1666	1676	rBV	989137	1752773	100.00%	17.331%
9	12.674	1825	1834	1841	rBV	758004	1281486	73.11%	12.671%
10	13.616	1987	1994	2009	rVB	916706	1532778	87.45%	15.156%
11	15.439	2298	2304	2310	rVB3	16456	27687	1.58%	0.274%

Sum of corrected areas: 10113382

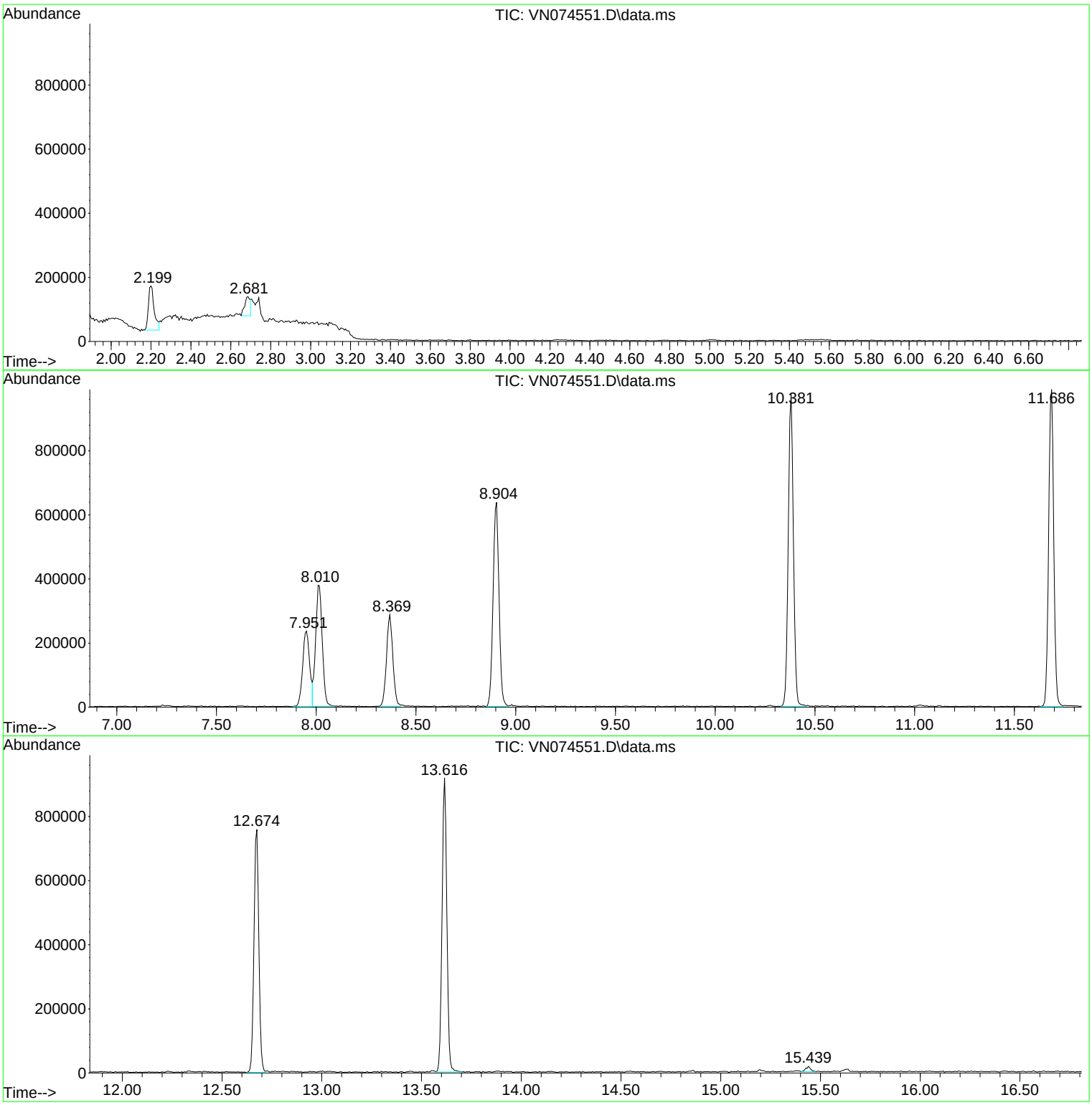
Sample Results: **VN074551.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091722\
Data File : VN074551.D
Acq On : 17 Sep 2022 13:14
Operator : JC\MD
Sample : VN0917WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091722\
Data File : VN074551.D
Acq On : 17 Sep 2022 13:14
Operator : JC\MD
Sample : VN0917WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260

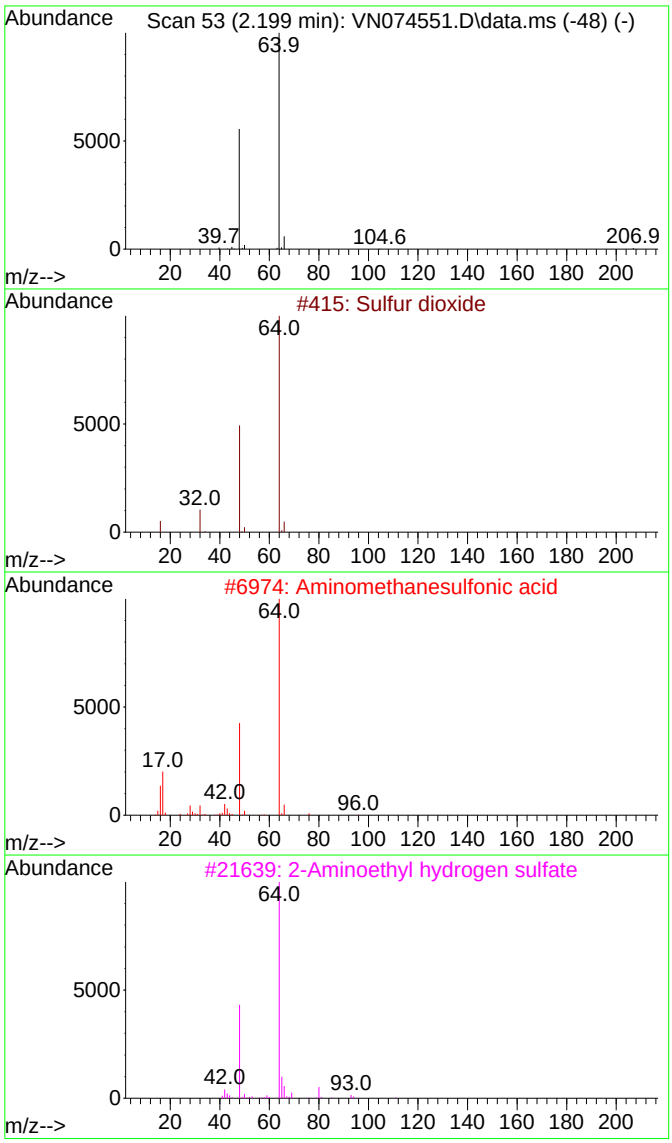
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

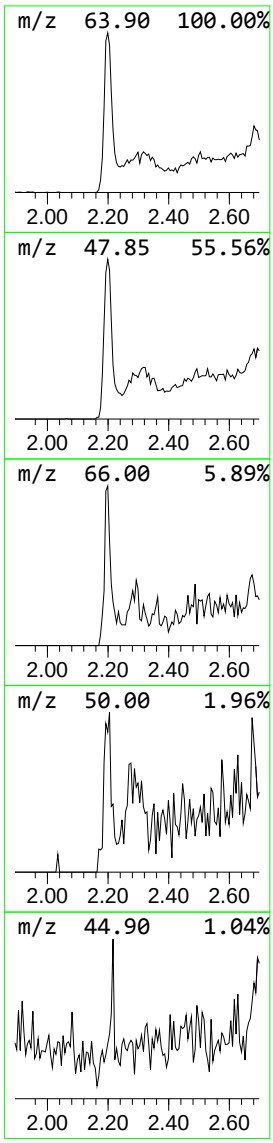
****

Peak Number 1 Sulfur dioxide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.199	16.07 ug/l	276732	Pentafluorobenzene	8.010

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfur dioxide	64	O2S	007446-09-5	90
2	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	74
3	2-Aminoethyl hydrogen sulfate	141	C2H7NO4S	000926-39-6	74
4	1,1,1,2,2,3,3,4,4,5,5-Undecafluo...	602	C10F22O2S	1000486-78-5	64
5	Benzenesulfonic acid, 2,5-diamino-	188	C6H8N2O3S	000088-45-9	9





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Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091722\
Data File : VN074551.D
Acq On    : 17 Sep 2022  13:14
Operator  : JC\MD
Sample    : VN0917WBL01
Misc      : 5.0mL/MSVOA_N/WATER
ALS Vial  : 3   Sample Multiplier: 1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title  : SW846 8260

TIC Library   : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P
```

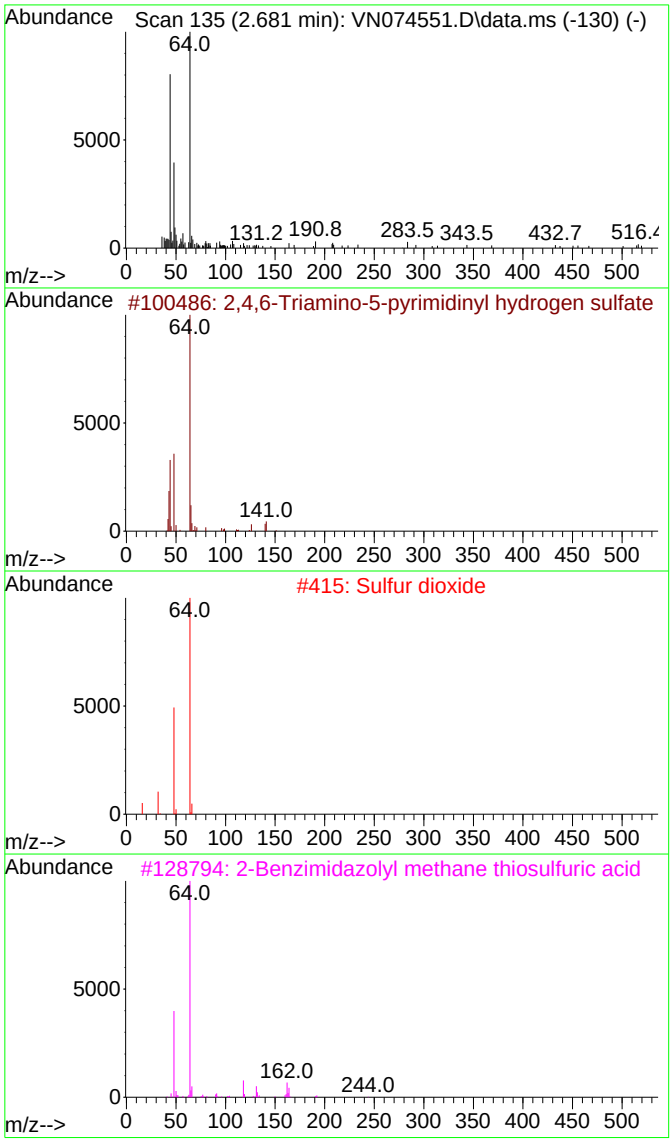
Instrument :
MSVOA_N
ClientSampleId :
VN0917WBL01

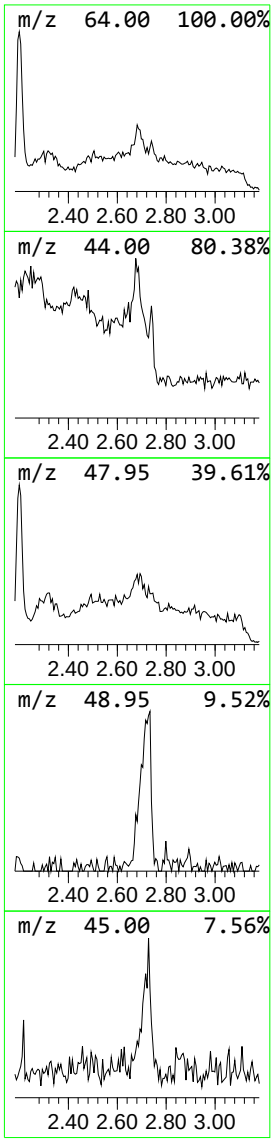
****

Peak Number 2 2,4,6-Triamino-5-pyrimidiny... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.681	6.87 ug/l	118345	Pentafluorobenzene	8.010

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,6-Triamino-5-pyrimidinyl hyd...	221	C4H7N5O4S	071552-23-3	56
2	Sulfur dioxide	64	O2S	007446-09-5	45
3	2-Benzimidazolyl methane thiosul...	244	C8H8N2O3S2	1010256-39-2	45
4	N,N'-Nonamethylenebis[-S-3-amino...	466	C15H34N2O6S4	035871-58-0	39
5	N,N'-Hexamethylenebis[s-3-aminop...	424	C12H28N2O6S4	035871-55-7	39





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091722\
Data File : VN074551.D
Acq On : 17 Sep 2022 13:14
Operator : JC\MD
Sample : VN0917WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Sulfur dioxide	2.199	16.1	ug/l	276732	1	8.010	861198	50.0
2,4,6-Triamino-...	2.681	6.9	ug/l	118345	1	8.010	861198	50.0

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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrews St. Site	Date Received:	
Client Sample ID:	VN0919WBL01	SDG No.:	N4647
Lab Sample ID:	VN0919WBL01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN074578.D	1		09/19/22 11:49	VN091922

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.17	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.20	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.22	1.00	ug/L
74-83-9	Bromomethane	5.00	U	1.60	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.26	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.20	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.17	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.23	1.00	ug/L
67-64-1	Acetone	5.00	U	1.20	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.26	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.18	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.53	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.20	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.20	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.20	5.00	ug/L
78-93-3	2-Butanone	5.00	U	0.82	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.18	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00	U	0.17	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.19	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.18	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.18	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.13	1.00	ug/L
71-43-2	Benzene	1.00	U	0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.18	1.00	ug/L
79-01-6	Trichloroethene	1.00	U	0.27	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.17	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.18	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.87	5.00	ug/L
108-88-3	Toluene	1.00	U	0.17	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.14	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.16	1.00	ug/L

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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrews St. Site	Date Received:	
Client Sample ID:	VN0919WBL01	SDG No.:	N4647
Lab Sample ID:	VN0919WBL01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN074578.D	1		09/19/22 11:49	VN091922

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1.00	U	0.19	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	0.76	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.14	1.00	ug/L
127-18-4	Tetrachloroethene	1.00	U	0.18	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.17	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.17	1.00	ug/L
179601-23-1	m/p-Xylenes	2.00	U	0.33	2.00	ug/L
95-47-6	o-Xylene	1.00	U	0.18	1.00	ug/L
100-42-5	Styrene	1.00	U	0.13	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.16	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.19	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.23	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.20	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.17	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.42	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.23	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.33	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.7		74 - 125	95%	SPK: 50
1868-53-7	Dibromofluoromethane	50.5		75 - 124	101%	SPK: 50
2037-26-5	Toluene-d8	47.7		86 - 113	95%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.0		83 - 123	106%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	295000	8.016			
540-36-3	1,4-Difluorobenzene	578000	8.904			
3114-55-4	Chlorobenzene-d5	550000	11.686			
3855-82-1	1,4-Dichlorobenzene-d4	242000	13.616			
TENTATIVE IDENTIFIED COMPOUNDS						
007446-09-5	Sulfur dioxide	12.0	J		2.20	ug/L
	unknown2.687	5.10	J		2.69	ug/L

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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrews St. Site	Date Received:	
Client Sample ID:	VN0919WBL01	SDG No.:	N4647
Lab Sample ID:	VN0919WBL01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN074578.D	1		09/19/22 11:49	VN091922

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091922\
Data File : VN074578.D
Acq On : 19 Sep 2022 11:49
Operator : JC\MD
Sample : VN0919WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0919WBL01

Quant Time: Sep 20 04:18:13 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 15 19:20:33 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.016	168	295077	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.904	114	577538	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	550137	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	242412	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.375	65	238664	47.669	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 95.340%			
35) Dibromofluoromethane	7.951	113	193930	50.549	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.100%			
50) Toluene-d8	10.381	98	707610	47.692	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 95.380%			
62) 4-Bromofluorobenzene	12.675	95	269578	53.049	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 106.100%			

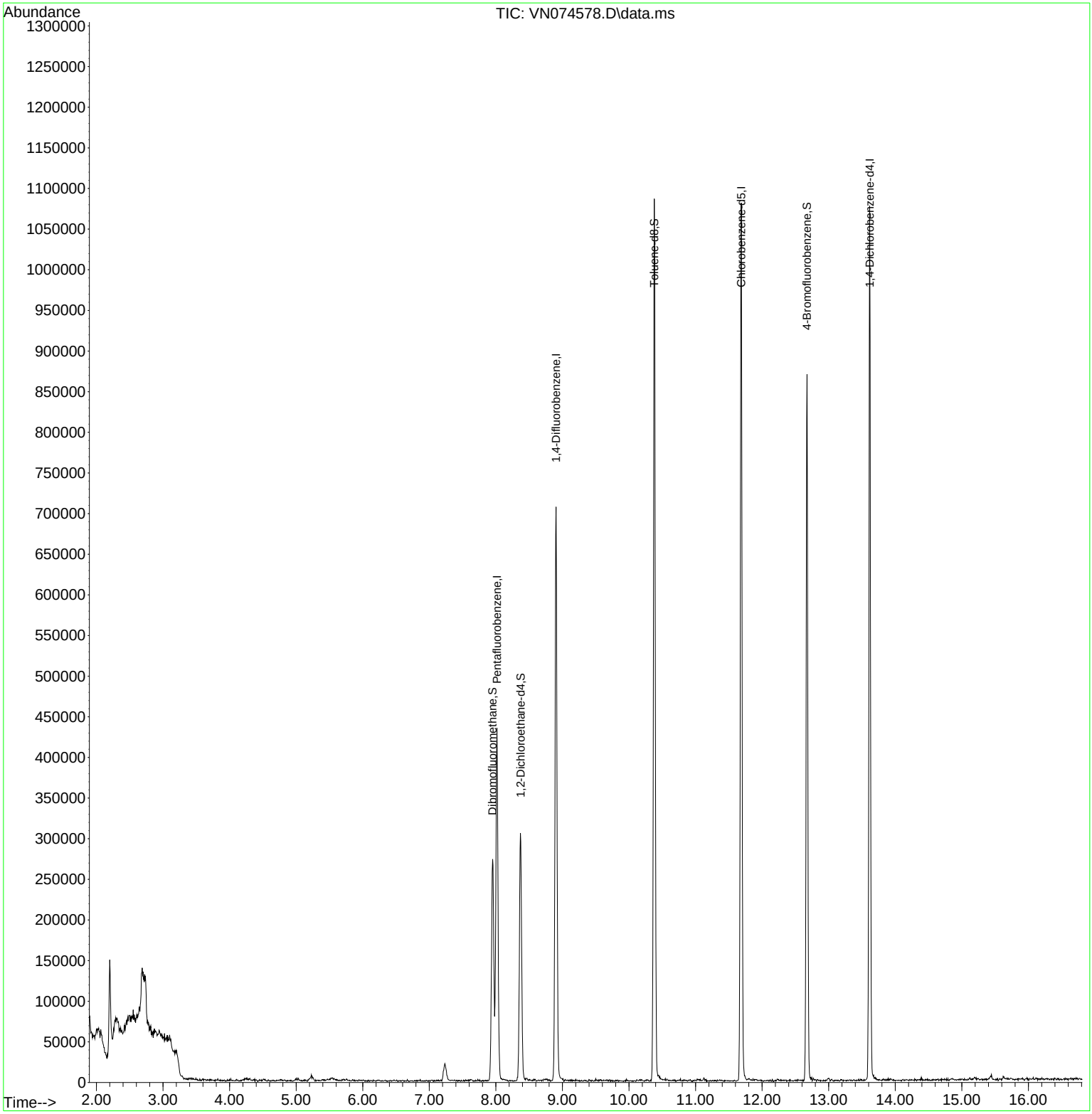
Target Compounds Qvalue

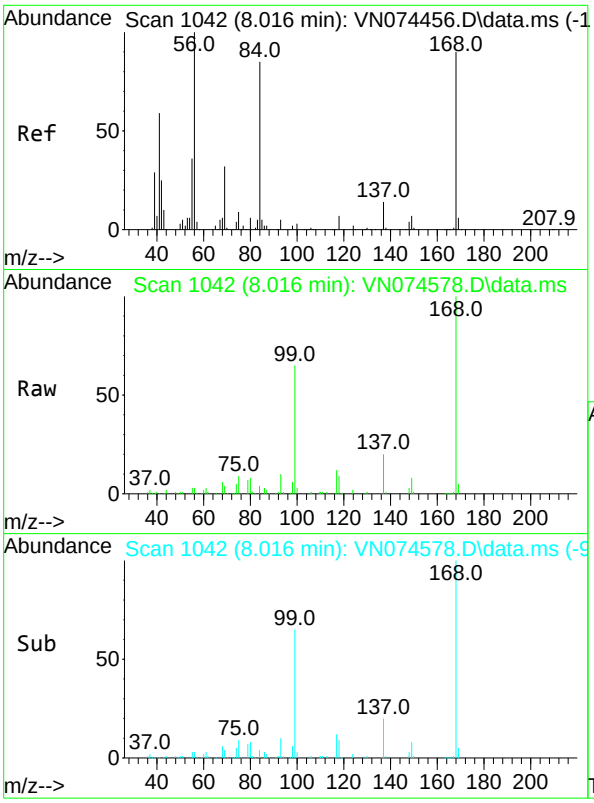
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091922\
Data File : VN074578.D
Acq On : 19 Sep 2022 11:49
Operator : JC\MD
Sample : VN0919WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0919WBL01

Quant Time: Sep 20 04:18:13 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 15 19:20:33 2022
Response via : Initial Calibration



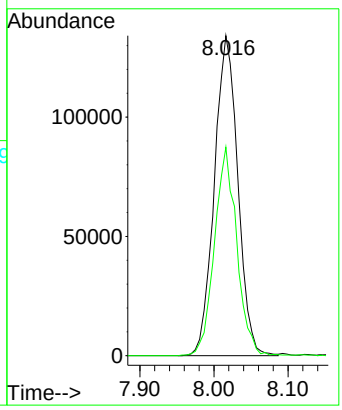


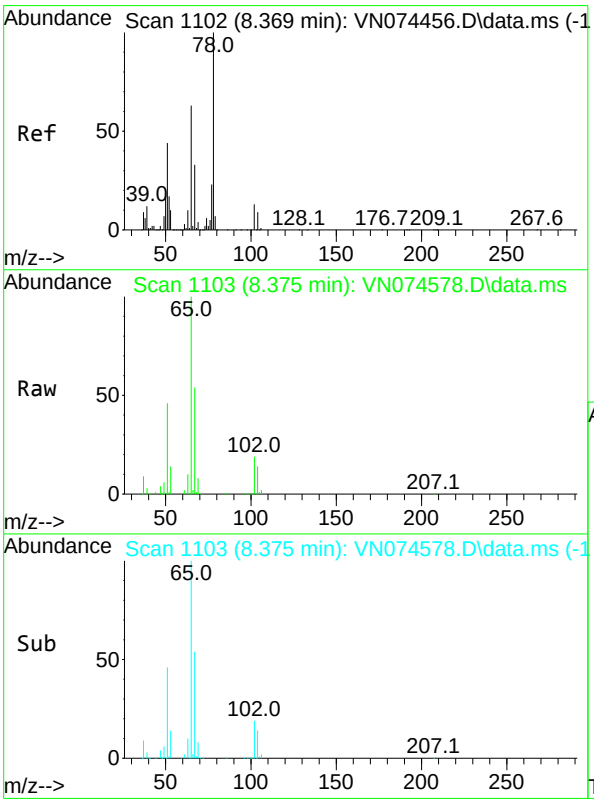
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074578.D
Acq: 19 Sep 2022 11:49

Instrument :
MSVOA_N
ClientSampleId :
VN0919WBL01

Tgt Ion:168 Resp: 295077

Ion	Ratio	Lower	Upper
168	100		
99	65.2	42.3	63.5#

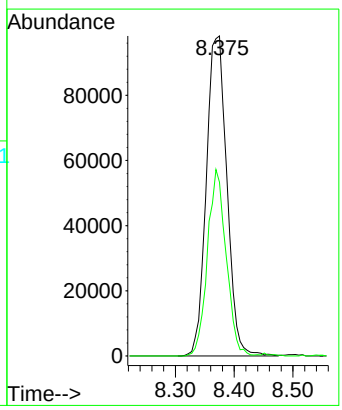


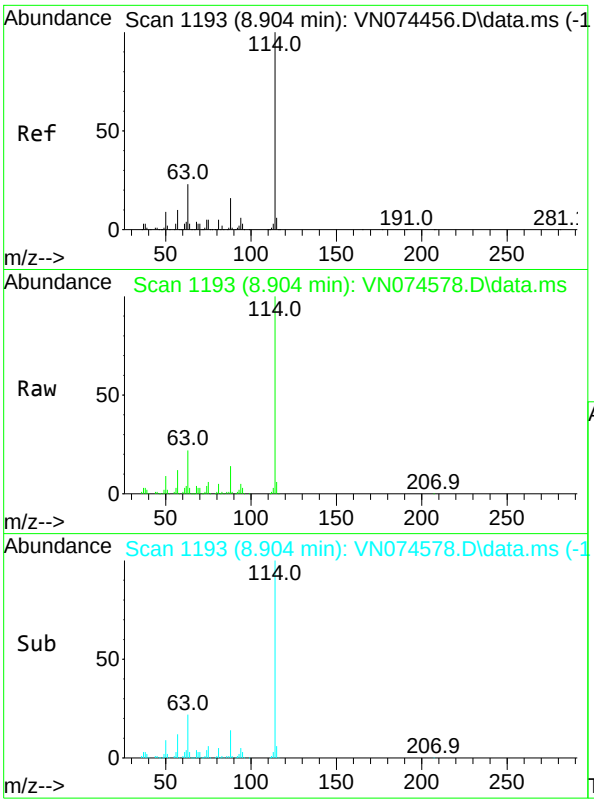


#33
1,2-Dichloroethane-d4
Concen: 47.669 ug/l
RT: 8.375 min Scan# 1103
Delta R.T. 0.006 min
Lab File: VN074578.D
Acq: 19 Sep 2022 11:49

Tgt Ion: 65 Resp: 238664

Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	104.8



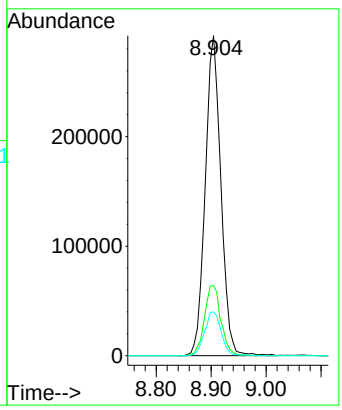


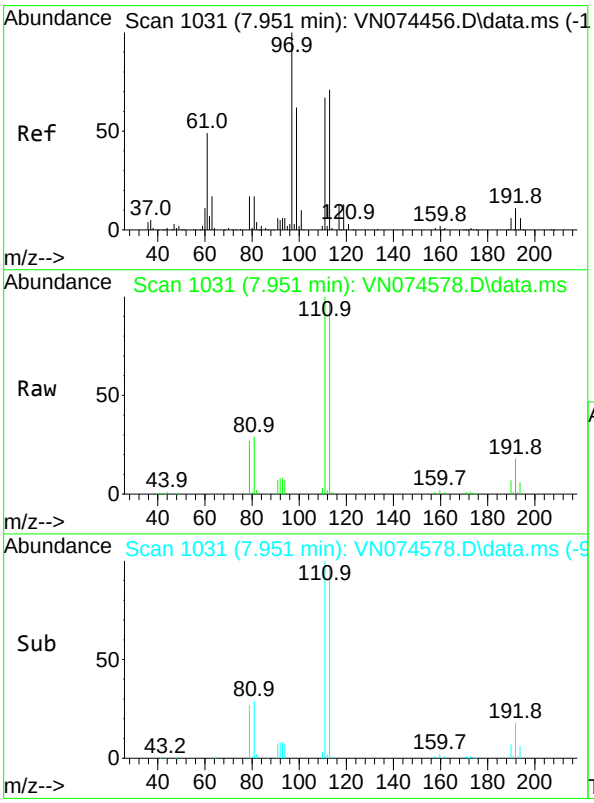
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN074578.D
Acq: 19 Sep 2022 11:49

Instrument :
MSVOA_N
ClientSampleId :
VN0919WBL01

Tgt Ion:114 Resp: 577538

Ion	Ratio	Lower	Upper
114	100		
63	22.0	0.0	40.0
88	13.7	0.0	32.6

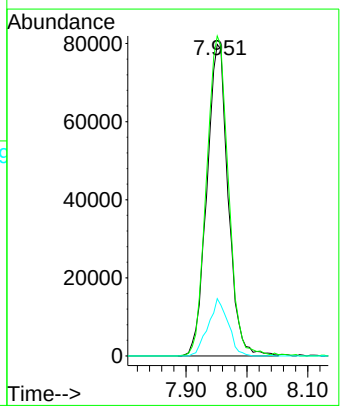


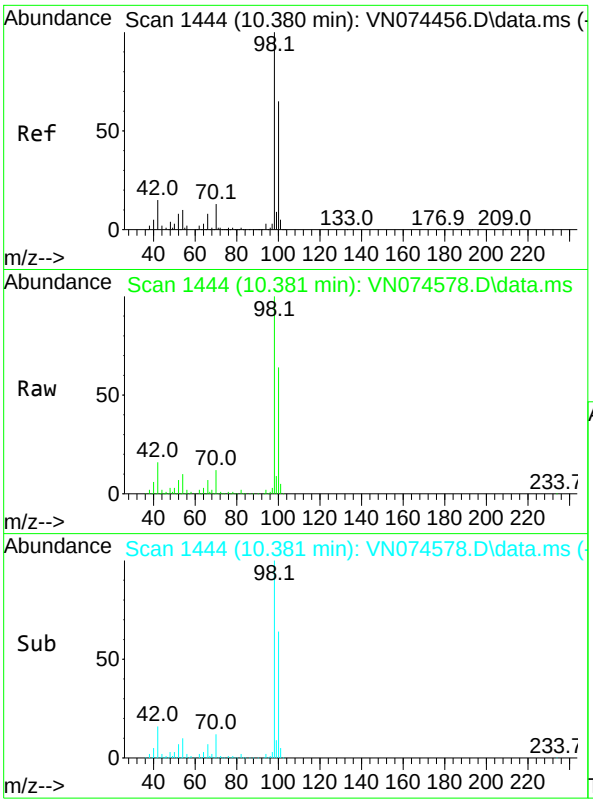


#35
Dibromofluoromethane
Concen: 50.549 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VN074578.D
Acq: 19 Sep 2022 11:49

Tgt Ion:113 Resp: 193930

Ion	Ratio	Lower	Upper
113	100		
111	105.3	81.4	122.0
192	17.2	17.0	25.6



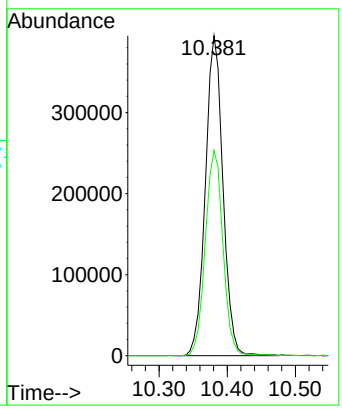


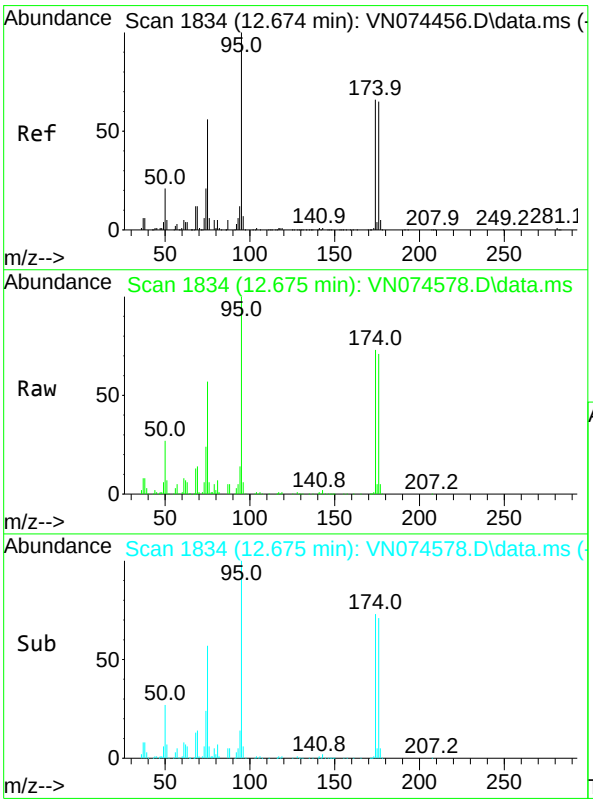
#50
Toluene-d8
Concen: 47.692 ug/l
RT: 10.381 min Scan# 14
Delta R.T. 0.001 min
Lab File: VN074578.D
Acq: 19 Sep 2022 11:49

Instrument :
MSVOA_N
ClientSampleId :
VN0919WBL01

Tgt Ion: 98 Resp: 707610

Ion	Ratio	Lower	Upper
98	100		
100	64.3	52.6	78.8

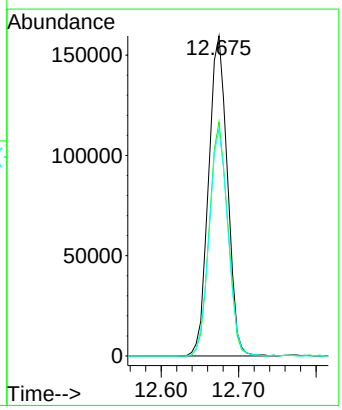


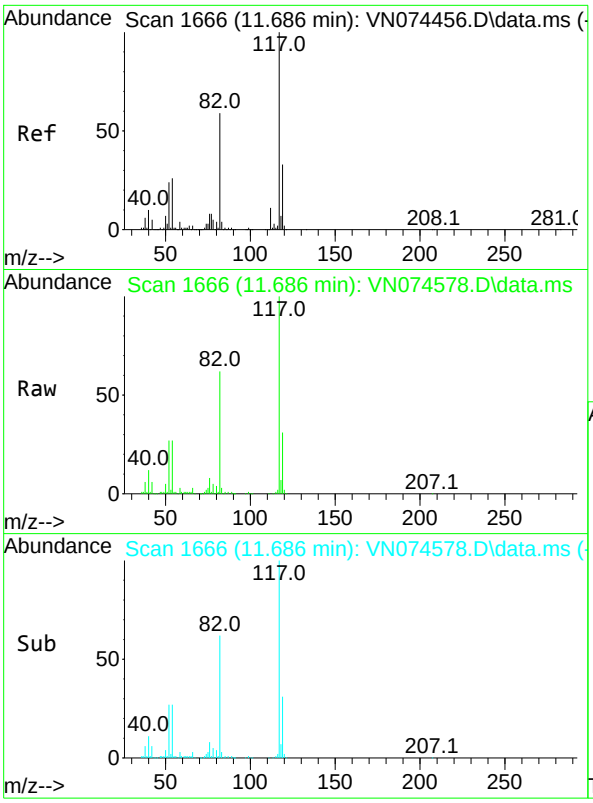


#62
4-Bromofluorobenzene
Concen: 53.049 ug/l
RT: 12.675 min Scan# 1834
Delta R.T. 0.001 min
Lab File: VN074578.D
Acq: 19 Sep 2022 11:49

Tgt Ion: 95 Resp: 269578

Ion	Ratio	Lower	Upper
95	100		
174	71.5	0.0	167.6
176	70.5	0.0	163.4



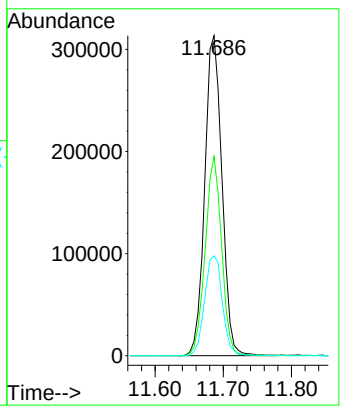


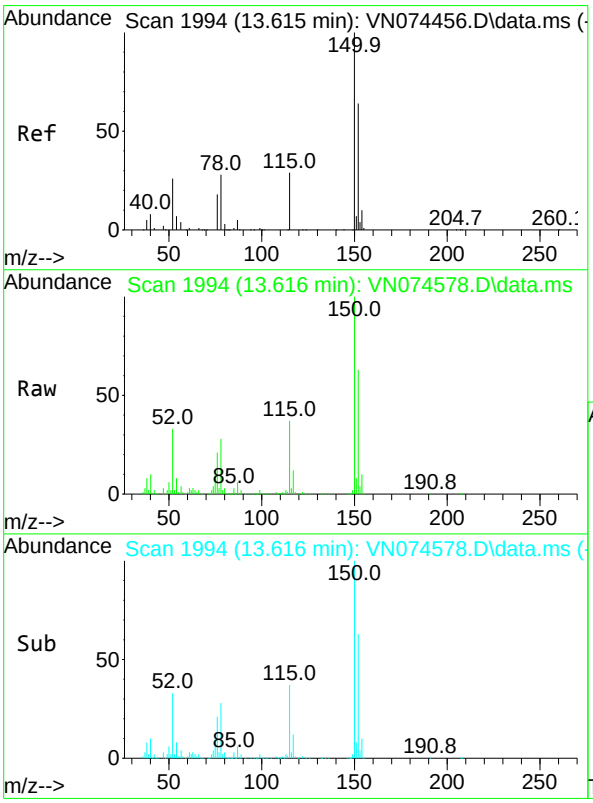
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074578.D
Acq: 19 Sep 2022 11:49

Instrument :
MSVOA_N
ClientSampleId :
VN0919WBL01

Tgt Ion:117 Resp: 550137

Ion	Ratio	Lower	Upper
117	100		
82	62.3	44.2	66.2
119	31.2	25.4	38.0

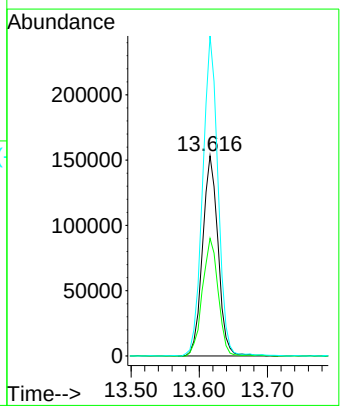




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1994
Delta R.T. 0.001 min
Lab File: VN074578.D
Acq: 19 Sep 2022 11:49

Tgt Ion:152 Resp: 242412

Ion	Ratio	Lower	Upper
152	100		
115	59.5	28.9	86.7
150	158.9	0.0	356.2



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091922\
Data File : VN074578.D
Acq On : 19 Sep 2022 11:49
Operator : JC\MD
Sample : VN0919WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0919WBL01

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Title : SW846 8260

Signal : TIC: VN074578.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.063	28	30	40	rVB	28562	63421	3.19%	0.558%
2	2.199	46	53	60	rBV	121236	232249	11.69%	2.044%
3	2.287	61	68	69	rBV5	25447	47747	2.40%	0.420%
4	2.687	132	136	141	rBV4	42435	98703	4.97%	0.868%
5	7.234	901	909	924	rBV2	21603	65581	3.30%	0.577%
6	7.951	1020	1031	1036	rBV	272703	667193	33.57%	5.870%
7	8.016	1036	1042	1057	rVB	433030	969347	48.78%	8.529%
8	8.369	1092	1102	1113	rBV	304306	711935	35.83%	6.264%
9	8.904	1184	1193	1210	rBV	705703	1436635	72.29%	12.641%
10	10.381	1436	1444	1453	rBV	1085160	1987230	100.00%	17.485%
11	11.686	1657	1666	1680	rBV	1079938	1901201	95.67%	16.728%
12	12.675	1826	1834	1844	rBV	869198	1477288	74.34%	12.998%
13	13.616	1987	1994	2003	rBV	1073719	1706699	85.88%	15.017%

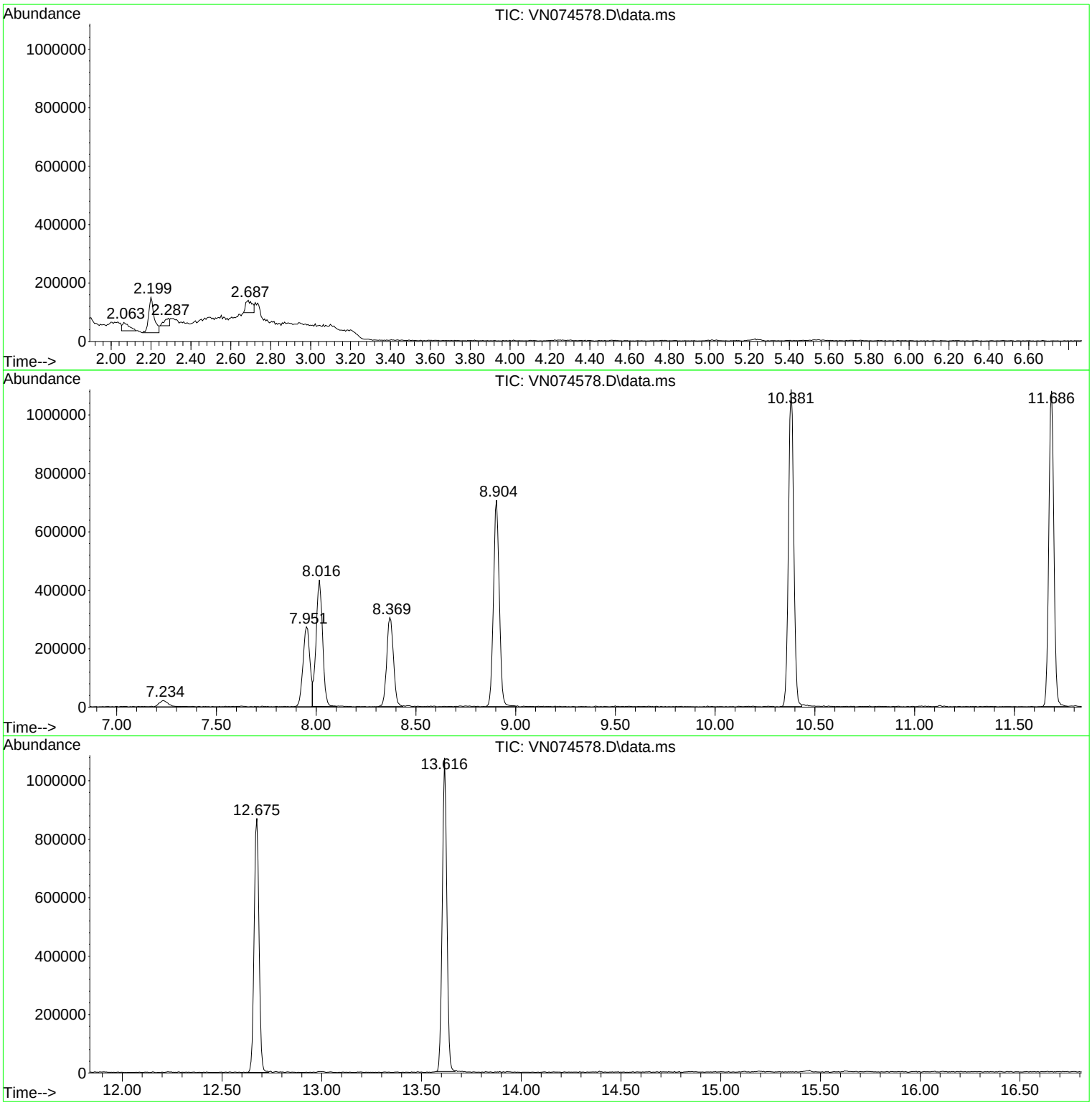
Sum of corrected areas: 11365229

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091922\
Data File : VN074578.D
Acq On : 19 Sep 2022 11:49
Operator : JC\MD
Sample : VN0919WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0919WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091922\
Data File : VN074578.D
Acq On : 19 Sep 2022 11:49
Operator : JC\MD
Sample : VN0919WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0919WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260

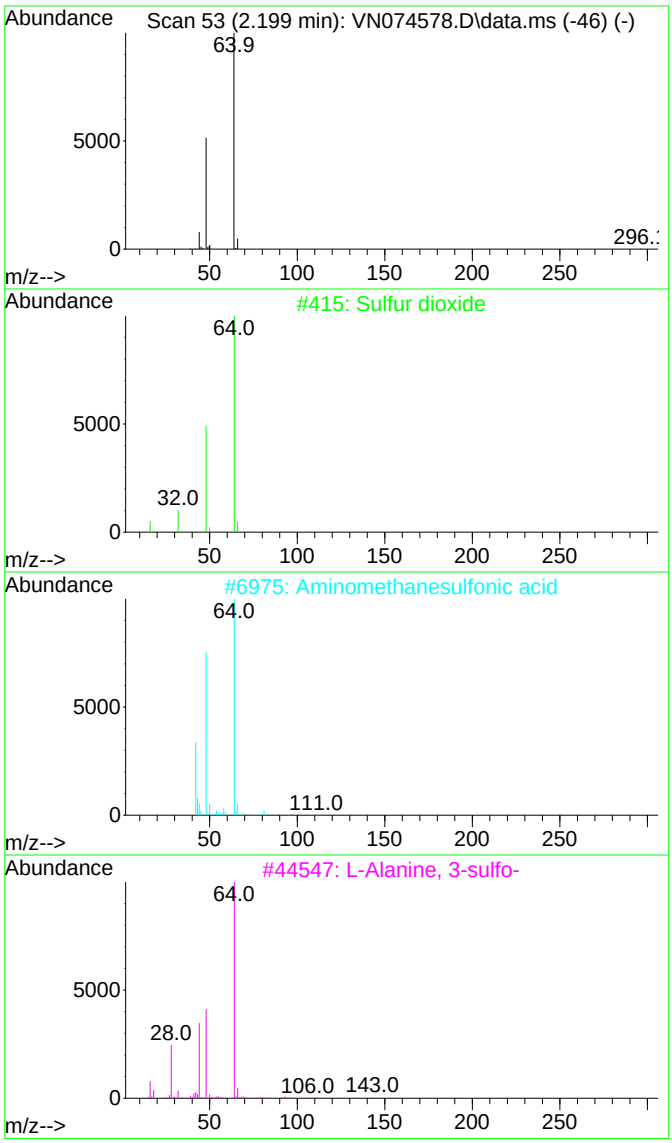
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

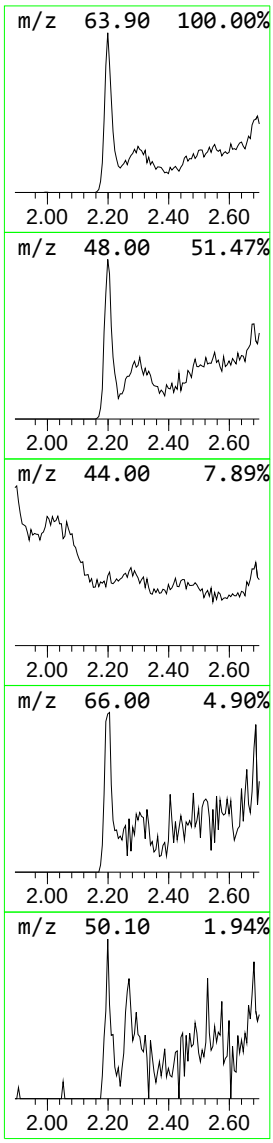
****

Peak Number 1 Sulfur dioxide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.199	11.98 ug/l	232249	Pentafluorobenzene	8.016

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfur dioxide	64	O2S	007446-09-5	90
2	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	83
3	L-Alanine, 3-sulfo-	169	C3H7NO5S	000498-40-8	9
4	Ethene, 1,1-difluoro-	64	C2H2F2	000075-38-7	4
5	Ethyl Chloride	64	C2H5Cl	000075-00-3	3





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091922\
Data File : VN074578.D
Acq On : 19 Sep 2022 11:49
Operator : JC\MD
Sample : VN0919WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0919WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260

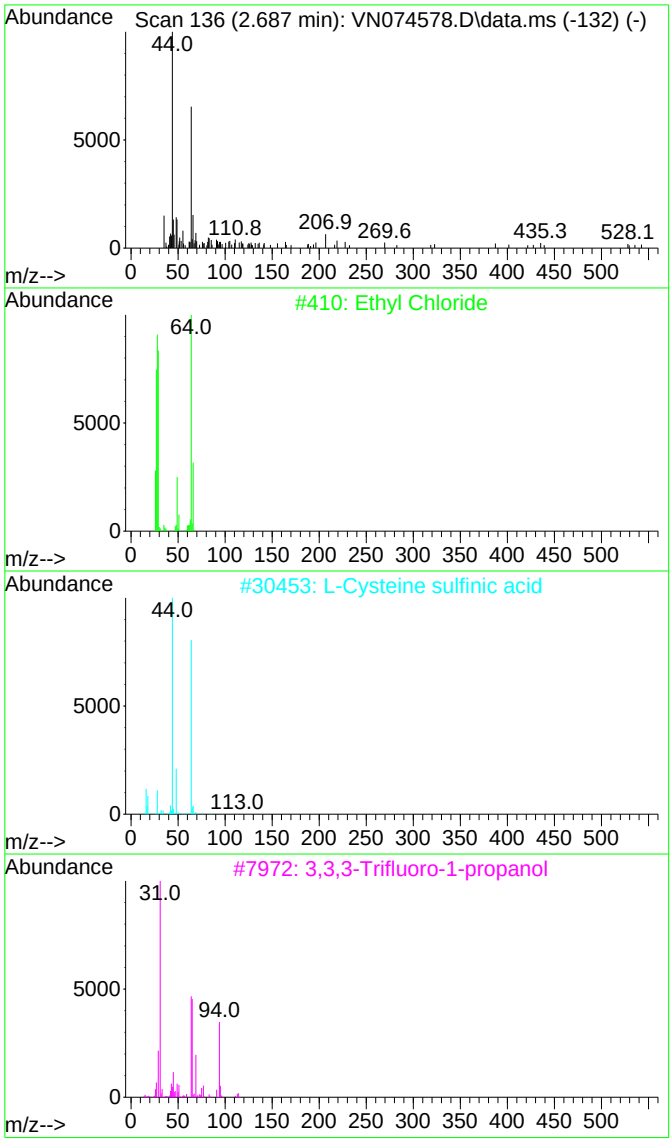
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

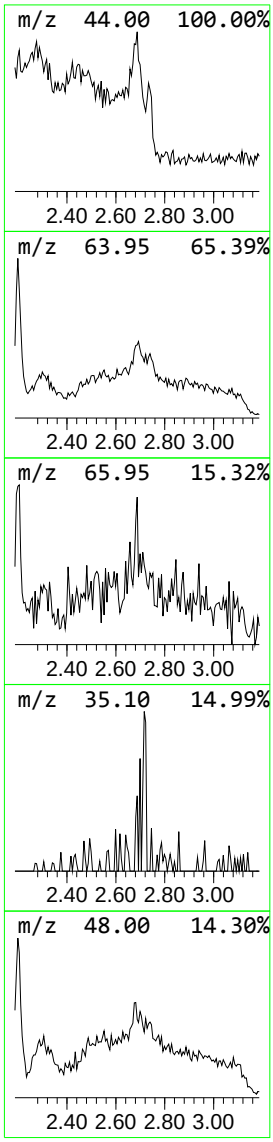
****

Peak Number 2 unknown2.687 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.687	5.09 ug/l	98703	Pentafluorobenzene	8.016

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethyl Chloride	64	C2H5Cl	000075-00-3	47
2	L-Cysteine sulfinic acid	153	C3H7NO4S	001115-65-7	40
3	3,3,3-Trifluoro-1-propanol	114	C3H5F3O	002240-88-2	9
4	2-Benzimidazolyl methane thiosul...	244	C8H8N2O3S2	1010256-39-2	9
5	tert-Butyl isopropyl disulfide, ...	452	C7F16S2	1000226-69-7	9





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091922\
Data File : VN074578.D
Acq On : 19 Sep 2022 11:49
Operator : JC\MD
Sample : VN0919WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0919WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Sulfur dioxide	2.199	12.0	ug/l	232249	1	8.016	969347	50.0
unknown2.687	2.687	5.1	ug/l	98703	1	8.016	969347	50.0

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrews St. Site	Date Received:	
Client Sample ID:	VN0917WBS02	SDG No.:	N4647
Lab Sample ID:	VN0917WBS02	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN074553.D	1		09/17/22 14:03	VN091722

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	18.2		0.17	1.00	ug/L
74-87-3	Chloromethane	23.4		0.20	1.00	ug/L
75-01-4	Vinyl Chloride	25.5		0.22	1.00	ug/L
74-83-9	Bromomethane	34.9		1.60	5.00	ug/L
75-00-3	Chloroethane	36.7		0.26	1.00	ug/L
75-69-4	Trichlorofluoromethane	19.5		0.20	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	20.1		0.17	1.00	ug/L
75-35-4	1,1-Dichloroethene	20.4		0.23	1.00	ug/L
67-64-1	Acetone	110		1.20	5.00	ug/L
75-15-0	Carbon Disulfide	17.6		0.26	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	19.8		0.18	1.00	ug/L
79-20-9	Methyl Acetate	21.3		0.53	1.00	ug/L
75-09-2	Methylene Chloride	20.8		0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	19.6		0.20	1.00	ug/L
75-34-3	1,1-Dichloroethane	20.8		0.20	1.00	ug/L
110-82-7	Cyclohexane	19.4		1.20	5.00	ug/L
78-93-3	2-Butanone	110		0.82	5.00	ug/L
56-23-5	Carbon Tetrachloride	18.4		0.18	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.1		0.17	1.00	ug/L
74-97-5	Bromochloromethane	20.3		0.19	1.00	ug/L
67-66-3	Chloroform	20.4		0.18	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.0		0.18	1.00	ug/L
108-87-2	Methylcyclohexane	19.5		0.13	1.00	ug/L
71-43-2	Benzene	19.9		0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.3		0.18	1.00	ug/L
79-01-6	Trichloroethene	18.2		0.27	1.00	ug/L
78-87-5	1,2-Dichloropropane	20.2		0.17	1.00	ug/L
75-27-4	Bromodichloromethane	20.6		0.18	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	110		0.87	5.00	ug/L
108-88-3	Toluene	20.7		0.17	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	18.9		0.14	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.1		0.16	1.00	ug/L

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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrews St. Site	Date Received:	
Client Sample ID:	VN0917WBS02	SDG No.:	N4647
Lab Sample ID:	VN0917WBS02	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN074553.D	1		09/17/22 14:03	VN091722

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	19.2		0.19	1.00	ug/L
591-78-6	2-Hexanone	110		0.76	5.00	ug/L
124-48-1	Dibromochloromethane	20.1		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	20.1		0.14	1.00	ug/L
127-18-4	Tetrachloroethene	18.4		0.18	1.00	ug/L
108-90-7	Chlorobenzene	19.3		0.17	1.00	ug/L
100-41-4	Ethyl Benzene	20.1		0.17	1.00	ug/L
179601-23-1	m/p-Xylenes	40.7		0.33	2.00	ug/L
95-47-6	o-Xylene	19.8		0.18	1.00	ug/L
100-42-5	Styrene	19.1		0.13	1.00	ug/L
75-25-2	Bromoform	19.0		0.16	1.00	ug/L
98-82-8	Isopropylbenzene	19.5		0.19	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.5		0.23	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.5		0.20	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	18.8		0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.6		0.17	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	17.2		0.42	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	18.9		0.23	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	19.3		0.33	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.0		74 - 125	102%	SPK: 50
1868-53-7	Dibromofluoromethane	49.9		75 - 124	100%	SPK: 50
2037-26-5	Toluene-d8	48.7		86 - 113	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.6		83 - 123	93%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	210000	8.01			
540-36-3	1,4-Difluorobenzene	409000	8.904			
3114-55-4	Chlorobenzene-d5	366000	11.686			
3855-82-1	1,4-Dichlorobenzene-d4	160000	13.621			

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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrews St. Site	Date Received:	
Client Sample ID:	VN0917WBS02	SDG No.:	N4647
Lab Sample ID:	VN0917WBS02	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN074553.D	1		09/17/22 14:03	VN091722

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091722\
Data File : VN074553.D
Acq On : 17 Sep 2022 14:03
Operator : JC\MD
Sample : VN0917WBS02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 19 02:54:51 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 15 19:20:33 2022
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS02

Manual Integrations APPROVED

Reviewed By :John Carlone 09/19/2022
Supervised By :Mahesh Dadoda 09/19/2022

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	8.010	168	209960	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	8.904	114	409414	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.686	117	366128	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.621	152	160006	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.369	65	181712	51.007	ug/l		0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.020%				
35) Dibromofluoromethane	7.951	113	135693	49.893	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.780%				
50) Toluene-d8	10.380	98	512180	48.696	ug/l		0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.400%				
62) 4-Bromofluorobenzene	12.674	95	167990	46.633	ug/l		0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 93.260%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.046	85	41559	18.187	ug/l		85
3) Chloromethane	2.263	50	89493	23.422	ug/l		100
4) Vinyl Chloride	2.404	62	104901	25.504	ug/l	#	79
5) Bromomethane	2.793	94	75707	34.902	ug/l		92
6) Chloroethane	2.957	64	103139	36.710	ug/l		92
7) Trichlorofluoromethane	3.310	101	88417	19.466	ug/l		97
8) Diethyl Ether	3.769	74	45007	19.431	ug/l		77
9) 1,1,2-Trichlorotrifluo...	4.146	101	56361	20.057	ug/l		92
10) Methyl Iodide	4.351	142	64855	19.564	ug/l		97
11) Tert butyl alcohol	5.275	59	121347	104.565	ug/l		98
12) 1,1-Dichloroethene	4.116	96	55304	20.392	ug/l		92
13) Acrolein	3.987	56	33804	79.765	ug/l		96
14) Allyl chloride	4.751	41	136219	20.630	ug/l	#	93
15) Acrylonitrile	5.475	53	282997	108.546	ug/l		99
16) Acetone	4.222	43	243605	106.862	ug/l		91
17) Carbon Disulfide	4.451	76	133218	17.569	ug/l	#	87
18) Methyl Acetate	4.769	43	150485	21.254	ug/l	#	86
19) Methyl tert-butyl Ether	5.528	73	230487	19.777	ug/l		100
20) Methylene Chloride	5.010	84	72233	20.773	ug/l	#	83
21) trans-1,2-Dichloroethene	5.516	96	58732	19.600	ug/l		96
22) Diisopropyl ether	6.410	45	280358	21.145	ug/l	#	93
23) Vinyl Acetate	6.351	43	1272079	108.777	ug/l	#	91
24) 1,1-Dichloroethane	6.304	63	137731	20.781	ug/l		97
25) 2-Butanone	7.257	43	423836	111.981	ug/l		90
26) 2,2-Dichloropropane	7.245	77	101524	17.768	ug/l		98
27) cis-1,2-Dichloroethene	7.245	96	74370	19.129	ug/l		88
28) Bromochloromethane	7.581	49	39694	20.323	ug/l	#	65
29) Tetrahydrofuran	7.610	42	281293	113.037	ug/l	#	83
30) Chloroform	7.745	83	124888	20.416	ug/l		99
31) Cyclohexane	8.022	56	122925	19.440	ug/l	#	81
32) 1,1,1-Trichloroethane	7.945	97	102199	19.049	ug/l		93
36) 1,1-Dichloropropene	8.145	75	91019	18.908	ug/l		96
37) Ethyl Acetate	7.334	43	159058	21.395	ug/l	#	95
38) Carbon Tetrachloride	8.133	117	81928	18.433	ug/l		92
39) Methylcyclohexane	9.398	83	111771	19.526	ug/l		95
40) Benzene	8.392	78	296555	19.922	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091722\
Data File : VN074553.D
Acq On : 17 Sep 2022 14:03
Operator : JC\MD
Sample : VN0917WBS02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 19 02:54:51 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 15 19:20:33 2022
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS02

Manual Integrations APPROVED

Reviewed By :John Carlone 09/19/2022
Supervised By :Mahesh Dadoda 09/19/2022

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.557	41	74399	20.700	ug/l		90
42) 1,2-Dichloroethane	8.469	62	103552	20.271	ug/l		99
43) Isopropyl Acetate	8.492	43	242082	20.788	ug/l	#	90
44) Trichloroethene	9.151	130	58768	18.245	ug/l		78
45) 1,2-Dichloropropane	9.428	63	82600	20.191	ug/l		94
46) Dibromomethane	9.516	93	51919	20.263	ug/l	#	81
47) Bromodichloromethane	9.704	83	103648	20.633	ug/l	#	98
48) Methyl methacrylate	9.498	41	100961	19.553	ug/l	#	85
49) 1,4-Dioxane	9.510	88	41711	420.170	ug/l	#	88
51) 4-Methyl-2-Pentanone	10.269	43	850202	111.804	ug/l		89
52) Toluene	10.445	92	181051	20.741	ug/l		99
53) t-1,3-Dichloropropene	10.657	75	110716	18.911	ug/l		97
54) cis-1,3-Dichloropropene	10.127	75	119405	19.058	ug/l	#	86
55) 1,1,2-Trichloroethane	10.839	97	71001	19.203	ug/l		93
56) Ethyl methacrylate	10.698	69	132079	19.998	ug/l	#	75
57) 1,3-Dichloropropane	10.986	76	135245	20.862	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.980	63	267060	91.877	ug/l		91
59) 2-Hexanone	11.027	43	653721	112.611	ug/l		86
60) Dibromochloromethane	11.180	129	71125	20.094	ug/l		99
61) 1,2-Dibromoethane	11.286	107	72140	20.084	ug/l		99
64) Tetrachloroethene	10.916	164	46231	18.399	ug/l		91
65) Chlorobenzene	11.716	112	177678	19.331	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.780	131	64948	19.448	ug/l		98
67) Ethyl Benzene	11.786	91	339462	20.116	ug/l		98
68) m/p-Xylenes	11.892	106	254017	40.712	ug/l		97
69) o-Xylene	12.221	106	126072	19.818	ug/l		99
70) Styrene	12.239	104	202198	19.107	ug/l		97
71) Bromoform	12.398	173	46622	18.995	ug/l	#	98
73) Isopropylbenzene	12.521	105	319145	19.480	ug/l		97
74) N-amyl acetate	12.333	43	214086	20.900	ug/l	#	85
75) 1,1,2,2-Tetrachloroethane	12.768	83	134425	20.474	ug/l		99
76) 1,2,3-Trichloropropane	12.827	75	97859m	19.869	ug/l		
77) Bromobenzene	12.804	156	69930	19.981	ug/l		75
78) n-propylbenzene	12.863	91	383351	19.646	ug/l		95
79) 2-Chlorotoluene	12.945	91	222716	19.120	ug/l		96
80) 1,3,5-Trimethylbenzene	12.998	105	258063	19.323	ug/l		95
81) trans-1,4-Dichloro-2-b...	12.569	75	39629	17.367	ug/l		94
82) 4-Chlorotoluene	13.045	91	208574	18.838	ug/l		97
83) tert-Butylbenzene	13.263	119	230525	18.966	ug/l		99
84) 1,2,4-Trimethylbenzene	13.310	105	263050	19.572	ug/l		98
85) sec-Butylbenzene	13.445	105	328647	19.692	ug/l		95
86) p-Isopropyltoluene	13.557	119	259395	19.937	ug/l		95
87) 1,3-Dichlorobenzene	13.557	146	125287	19.481	ug/l		97
88) 1,4-Dichlorobenzene	13.633	146	121828	18.848	ug/l		97
89) n-Butylbenzene	13.886	91	220021	18.761	ug/l		97
90) Hexachloroethane	14.151	117	51606	18.229	ug/l		71
91) 1,2-Dichlorobenzene	13.927	146	130691	19.588	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.545	75	24868	17.153	ug/l		87
93) 1,2,4-Trichlorobenzene	15.198	180	60013	18.880	ug/l		98
94) Hexachlorobutadiene	15.304	225	23109	16.542	ug/l		94
95) Naphthalene	15.439	128	248881	19.184	ug/l		100
96) 1,2,3-Trichlorobenzene	15.633	180	60657	19.259	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091722\
Data File : VN074553.D
Acq On : 17 Sep 2022 14:03
Operator : JC\MD
Sample : VN0917WBS02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 19 02:54:51 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 15 19:20:33 2022
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS02

Manual Integrations APPROVED

Reviewed By :John Carlone 09/19/2022
Supervised By :Mahesh Dadoda 09/19/2022

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091722\
Data File : VN074553.D
Acq On : 17 Sep 2022 14:03
Operator : JC\MD
Sample : VN0917WBS02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 19 02:54:51 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 15 19:20:33 2022
Response via : Initial Calibration

Instrument :
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ClientSampleId :
VN0917WBS02

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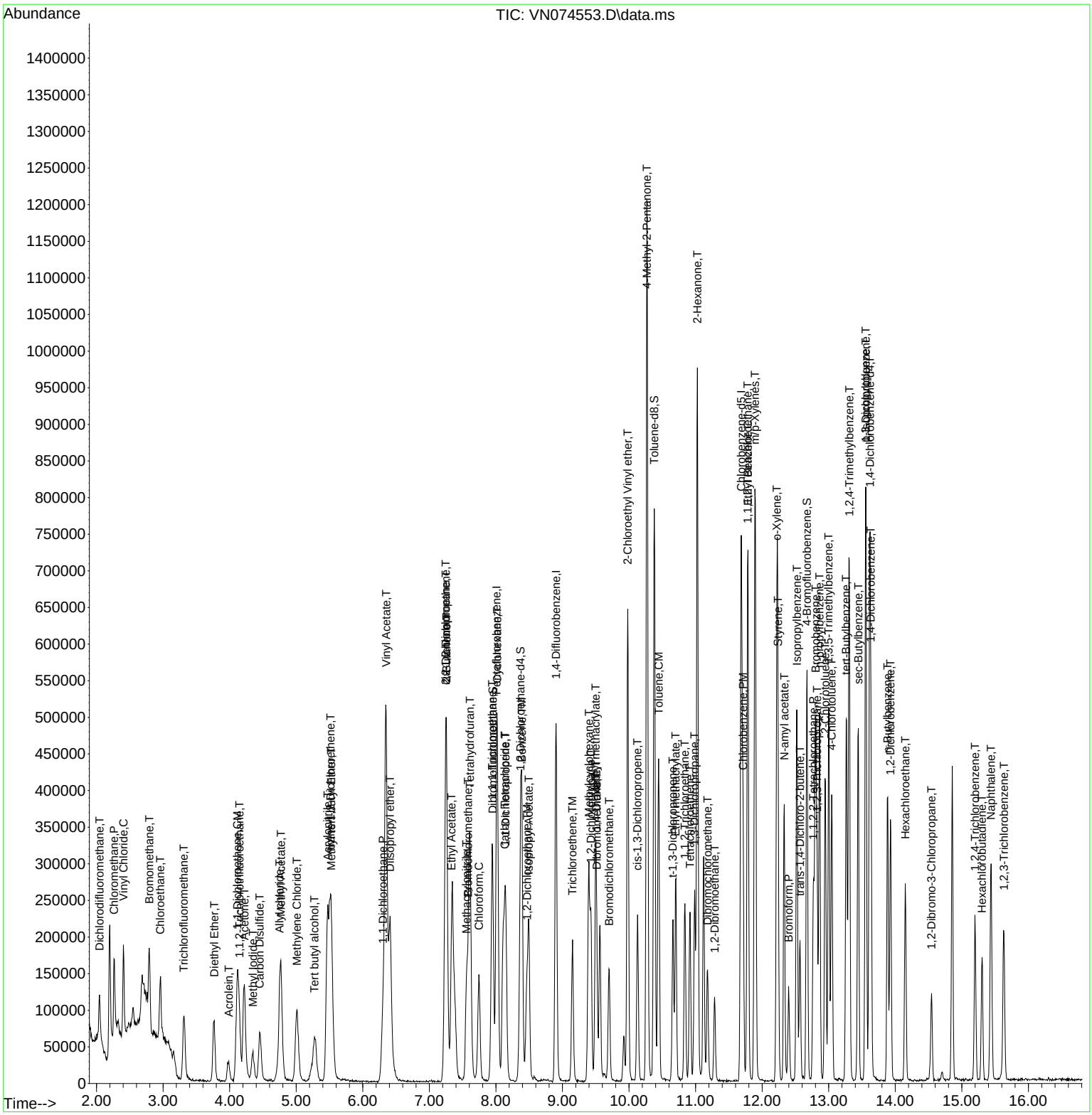
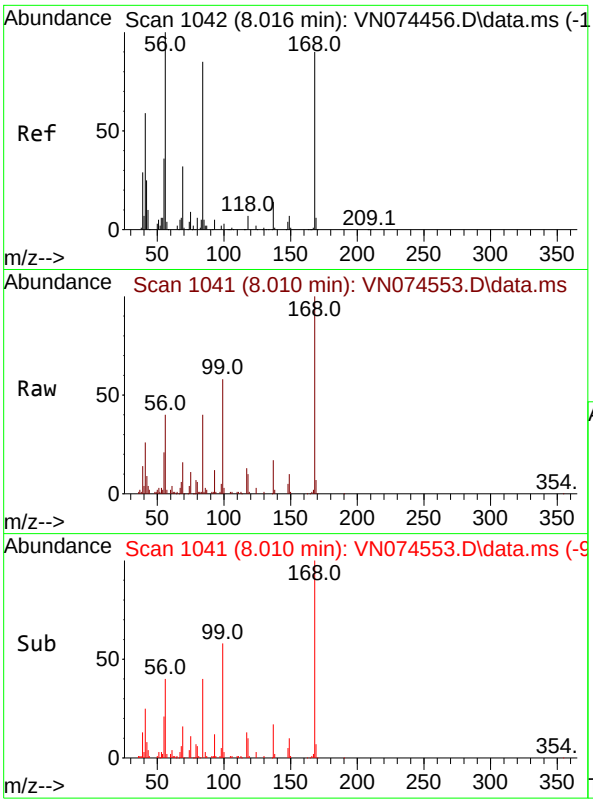
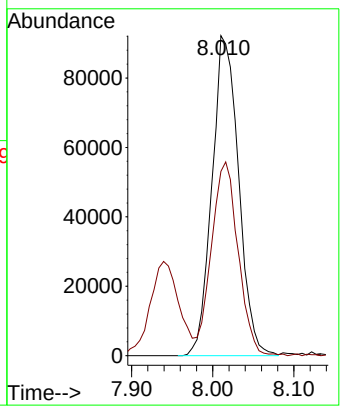




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.010 min Scan# 1(
Delta R.T. -0.006 min
Lab File: VN074553.D
Acq: 17 Sep 2022 14:03

Tgt Ion:168 Resp: 20996(

Ion	Ratio	Lower	Upper
168	100		
99	57.2	42.3	63.5



Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS02

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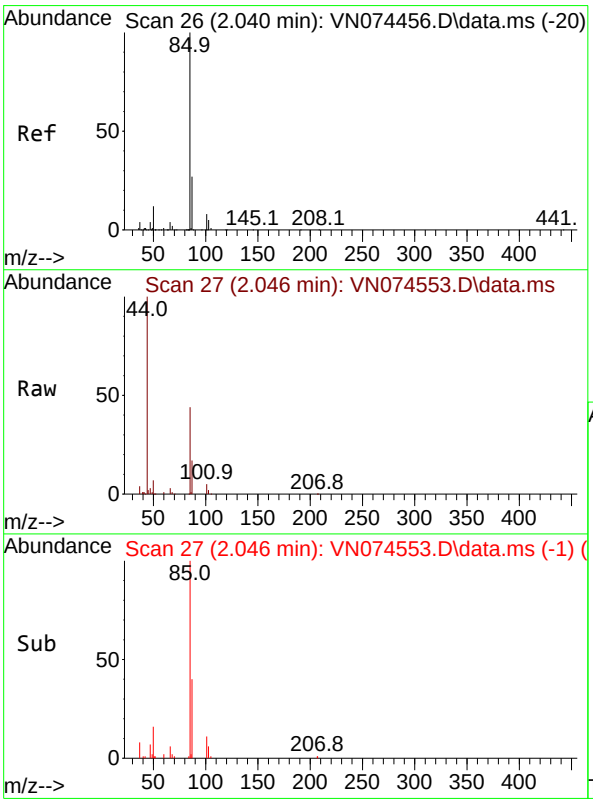
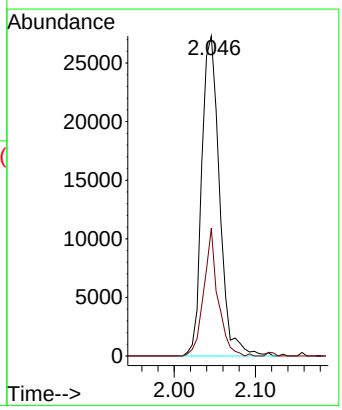
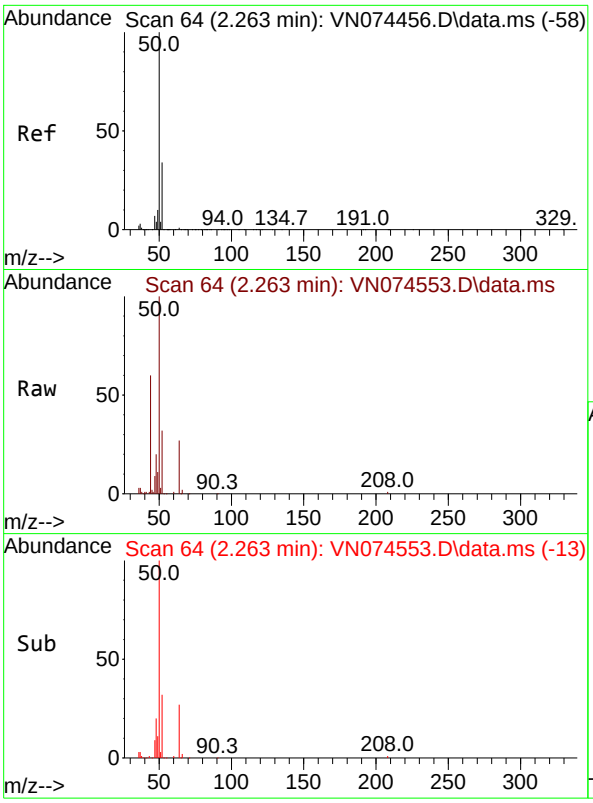


#2
Dichlorodifluoromethane
Concen: 18.187 ug/l
RT: 2.046 min Scan# 27
Delta R.T. 0.006 min
Lab File: VN074553.D
Acq: 17 Sep 2022 14:03

Tgt Ion: 85 Resp: 41559

Ion	Ratio	Lower	Upper
85	100		
87	39.9	15.7	47.1

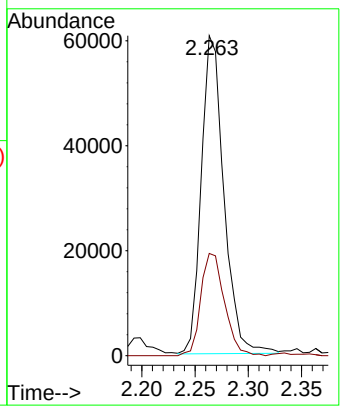




#3
Chloromethane
Concen: 23.422 ug/l
RT: 2.263 min Scan# 64
Delta R.T. 0.000 min
Lab File: VN074553.D
Acq: 17 Sep 2022 14:03

Tgt Ion: 50 Resp: 8949

Ion	Ratio	Lower	Upper
50	100		
52	32.2	25.7	38.5



Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS02

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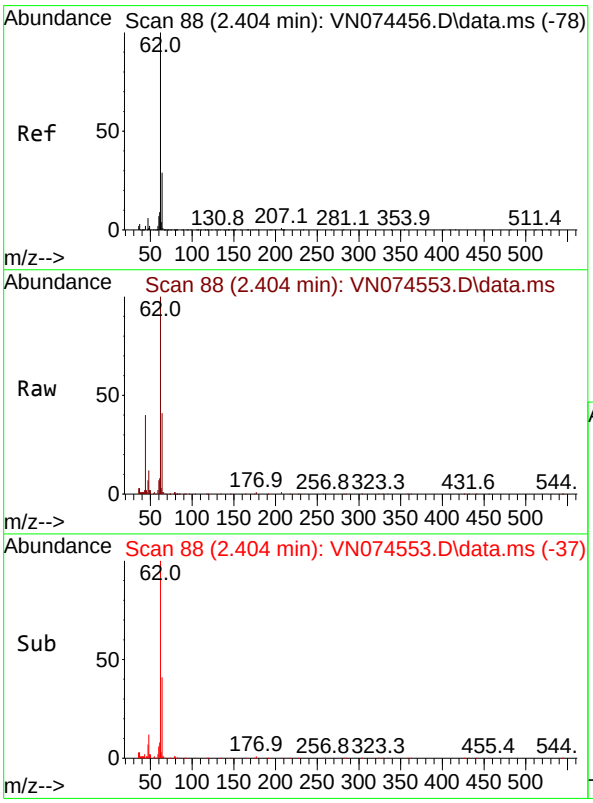
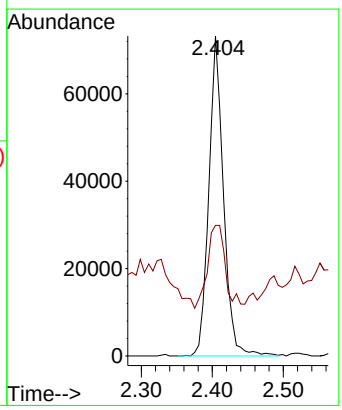
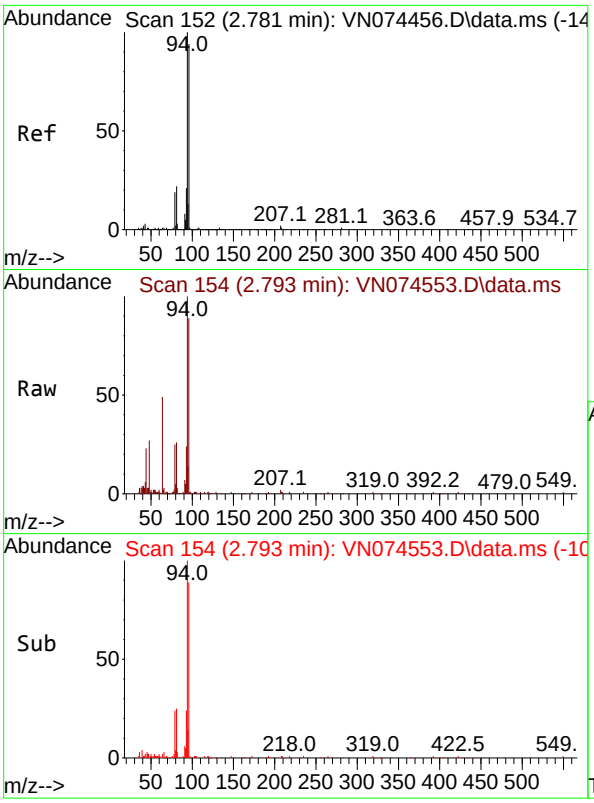


#4
Vinyl Chloride
Concen: 25.504 ug/l
RT: 2.404 min Scan# 88
Delta R.T. 0.000 min
Lab File: VN074553.D
Acq: 17 Sep 2022 14:03

Tgt Ion: 62 Resp: 104901

Ion	Ratio	Lower	Upper
62	100		
64	19.8	25.0	37.4#

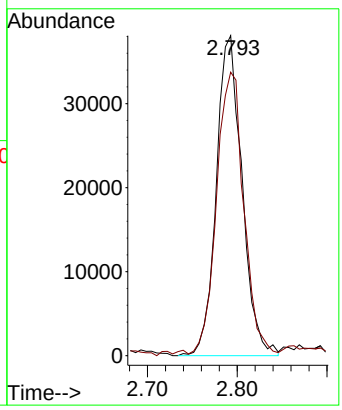




#5
Bromomethane
Concen: 34.902 ug/l
RT: 2.793 min Scan# 1
Delta R.T. 0.012 min
Lab File: VN074553.D
Acq: 17 Sep 2022 14:03

Tgt Ion: 94 Resp: 7570

Ion	Ratio	Lower	Upper
94	100		
96	87.6	76.0	114.0



Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS02

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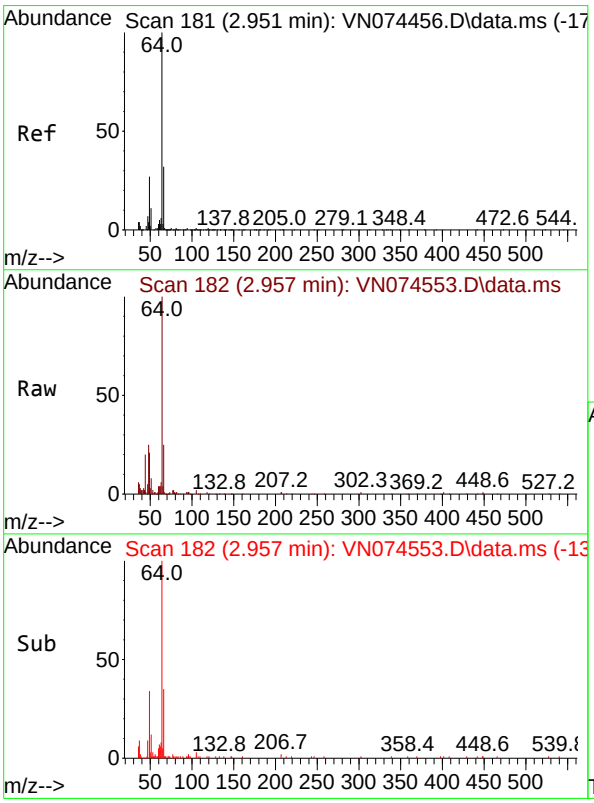
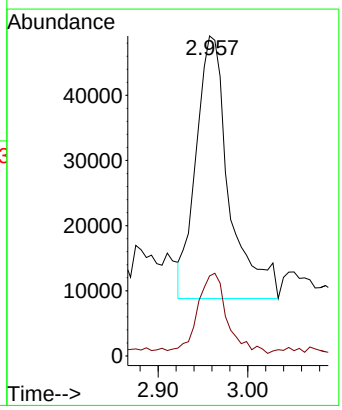
Supervised By :Mahesh Dadoda 09/19/2022

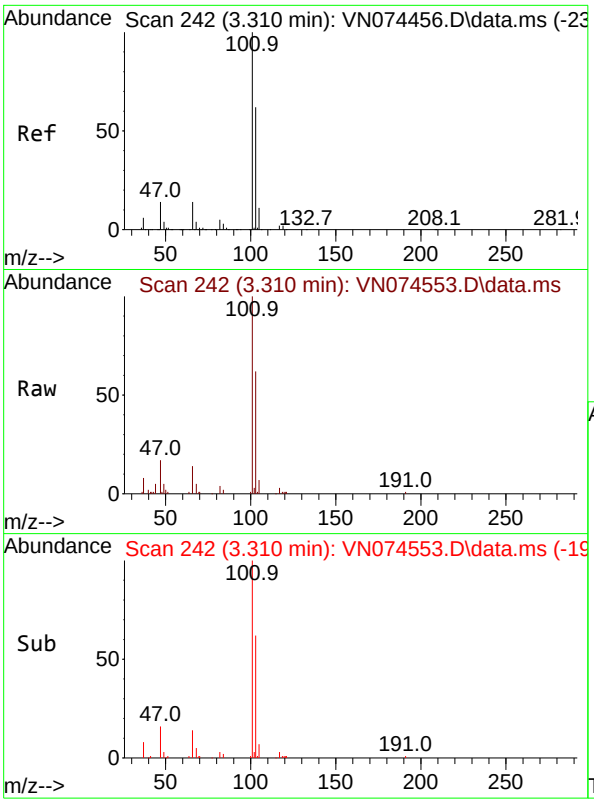


#6
Chloroethane
Concen: 36.710 ug/l
RT: 2.957 min Scan# 182
Delta R.T. 0.006 min
Lab File: VN074553.D
Acq: 17 Sep 2022 14:03

Tgt Ion: 64 Resp: 103139

Ion	Ratio	Lower	Upper
64	100		
66	28.1	26.2	39.4

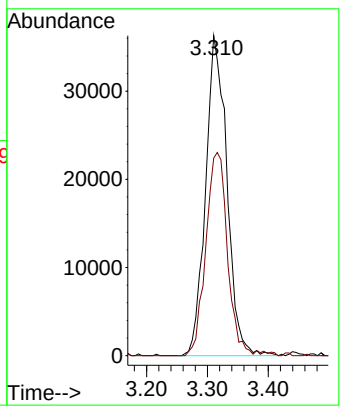




#7
Trichlorofluoromethane
Concen: 19.466 ug/l
RT: 3.310 min Scan# 24
Delta R.T. 0.000 min
Lab File: VN074553.D
Acq: 17 Sep 2022 14:03

Tgt Ion:101 Resp: 8841

Ion	Ratio	Lower	Upper
101	100		
103	61.8	51.5	77.3



Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS02

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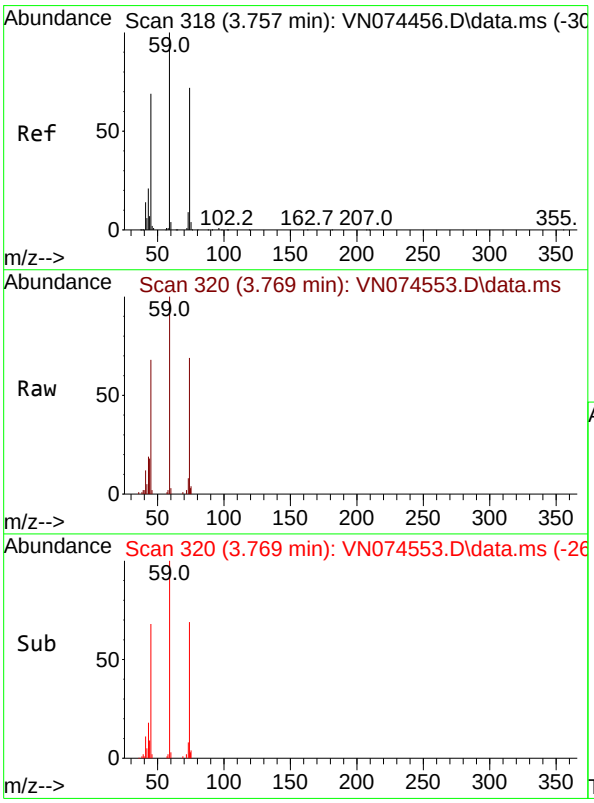
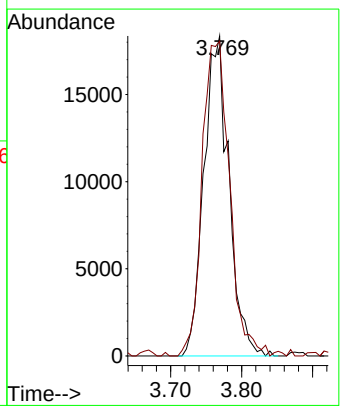
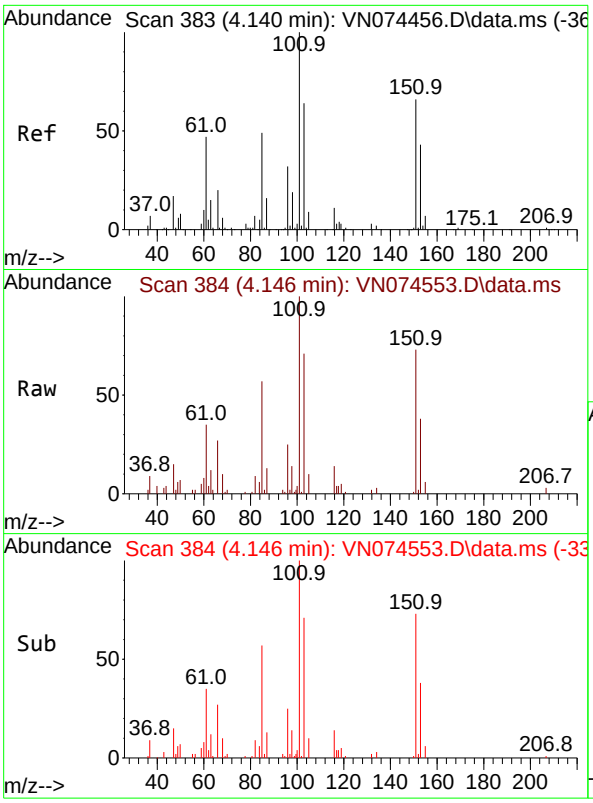


#8
Diethyl Ether
Concen: 19.431 ug/l
RT: 3.769 min Scan# 320
Delta R.T. 0.012 min
Lab File: VN074553.D
Acq: 17 Sep 2022 14:03

Tgt Ion: 74 Resp: 45007

Ion	Ratio	Lower	Upper
74	100		
45	107.2	42.9	128.5

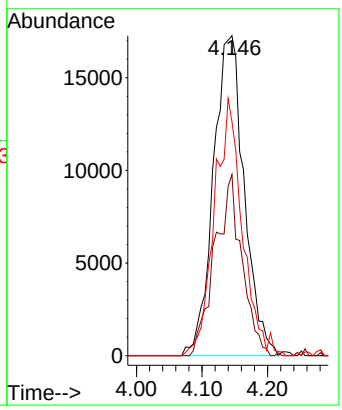




#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.057 ug/l
RT: 4.146 min Scan# 3
Delta R.T. 0.006 min
Lab File: VN074553.D
Acq: 17 Sep 2022 14:03

Tgt Ion:101 Resp: 5636

Ion	Ratio	Lower	Upper
101	100		
85	49.8	34.7	52.1
151	72.9	63.0	94.4



Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS02

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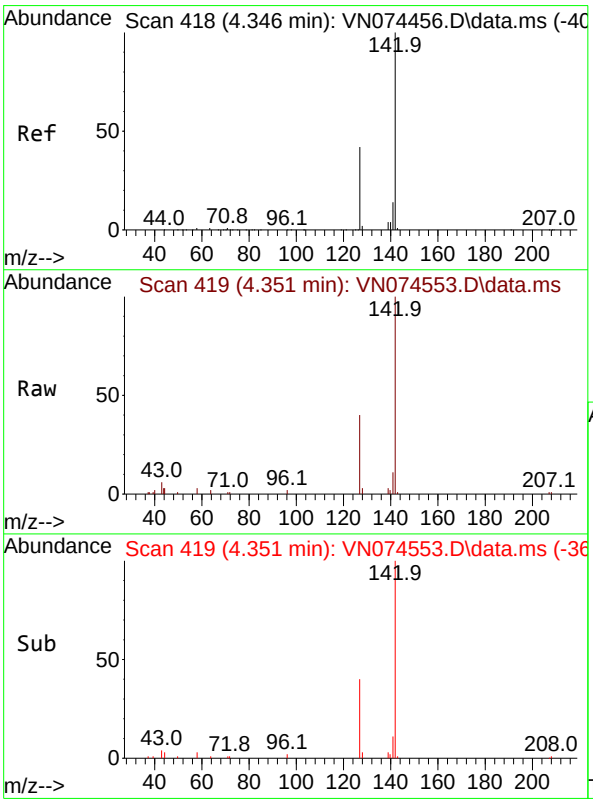
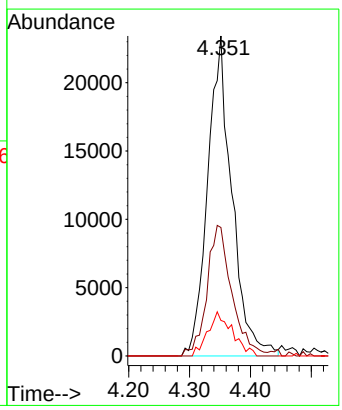
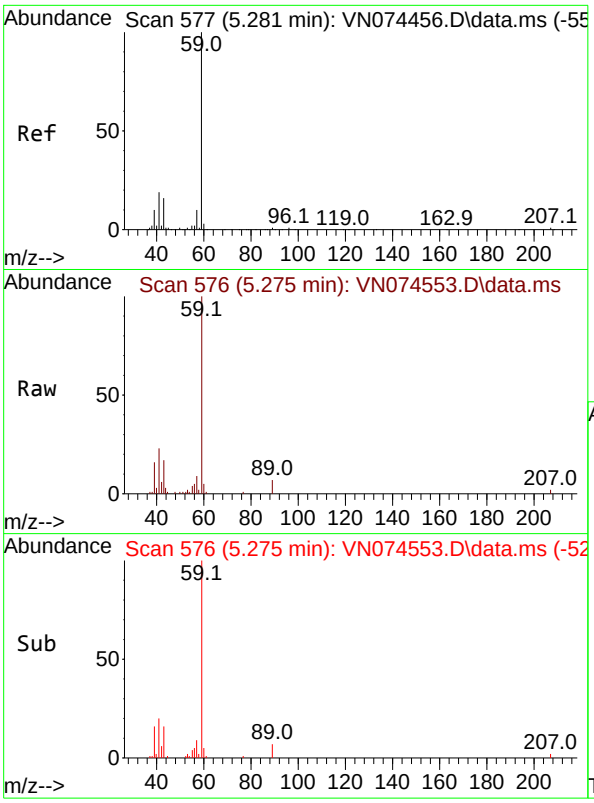


#10
Methyl Iodide
Concen: 19.564 ug/l
RT: 4.351 min Scan# 419
Delta R.T. 0.005 min
Lab File: VN074553.D
Acq: 17 Sep 2022 14:03

Tgt Ion:142 Resp: 64855

Ion	Ratio	Lower	Upper
142	100		
127	41.7	31.3	46.9
141	13.9	11.2	16.8

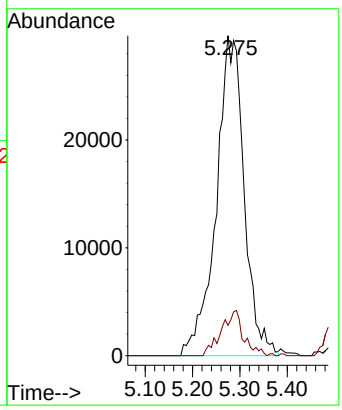




#11
Tert butyl alcohol
Concen: 104.565 ug/l
RT: 5.275 min Scan# 5
Delta R.T. -0.006 min
Lab File: VN074553.D
Acq: 17 Sep 2022 14:03

Tgt Ion: 59 Resp: 12134

Ion	Ratio	Lower	Upper
59	100		
57	11.2	8.3	12.5



Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS02

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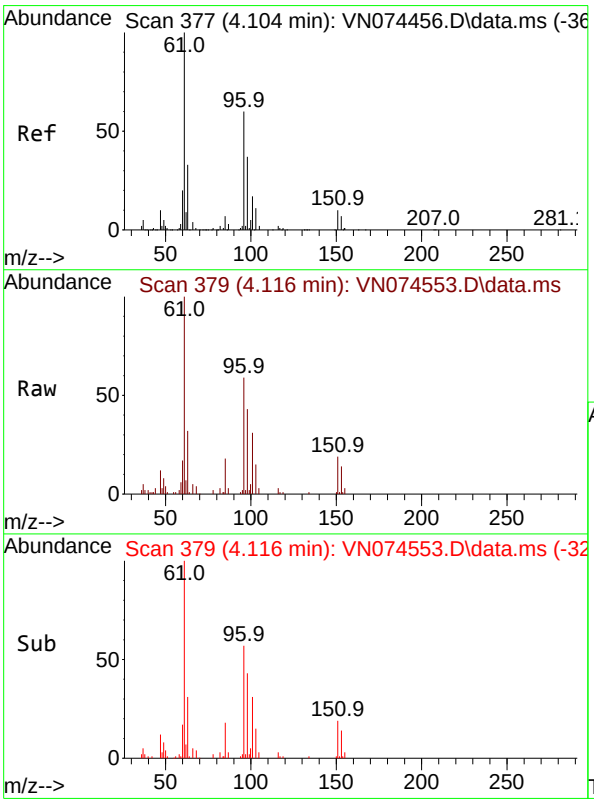
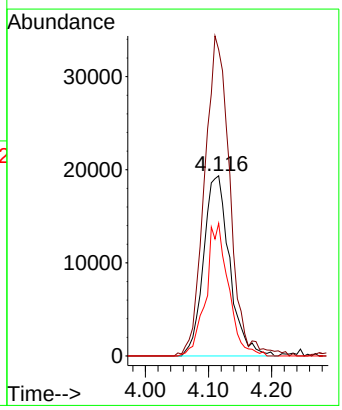
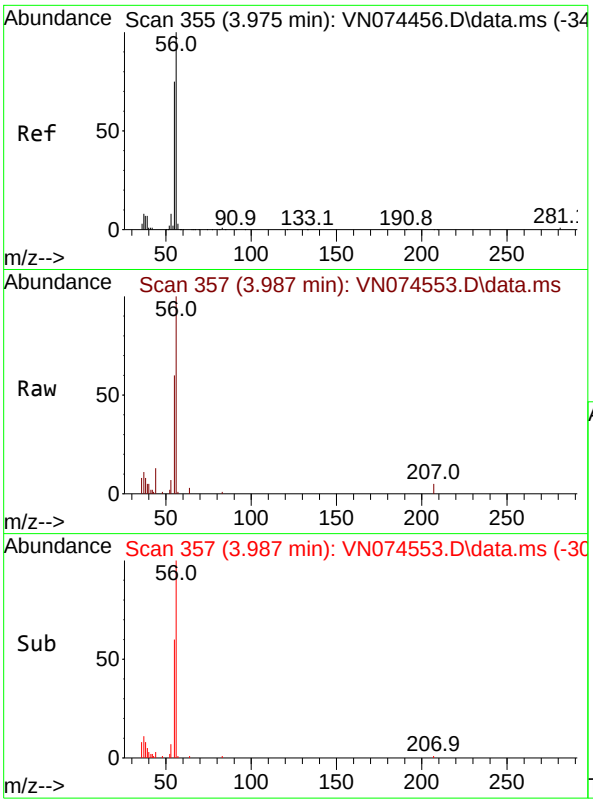


#12
1,1-Dichloroethene
Concen: 20.392 ug/l
RT: 4.116 min Scan# 379
Delta R.T. 0.012 min
Lab File: VN074553.D
Acq: 17 Sep 2022 14:03

Tgt Ion: 96 Resp: 55304

Ion	Ratio	Lower	Upper
96	100		
61	168.4	127.6	191.4
98	73.7	51.2	76.8

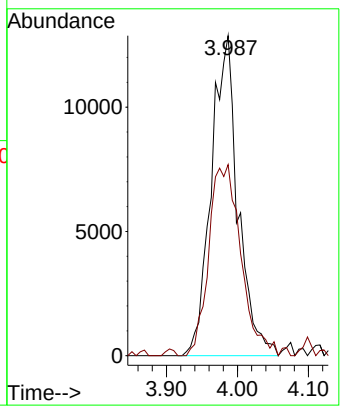




#13
Acrolein
Concen: 79.765 ug/l
RT: 3.987 min Scan# 3
Delta R.T. 0.012 min
Lab File: VN074553.D
Acq: 17 Sep 2022 14:03

Tgt Ion: 56 Resp: 3380

Ion	Ratio	Lower	Upper
56	100		
55	71.7	54.8	82.2



Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS02

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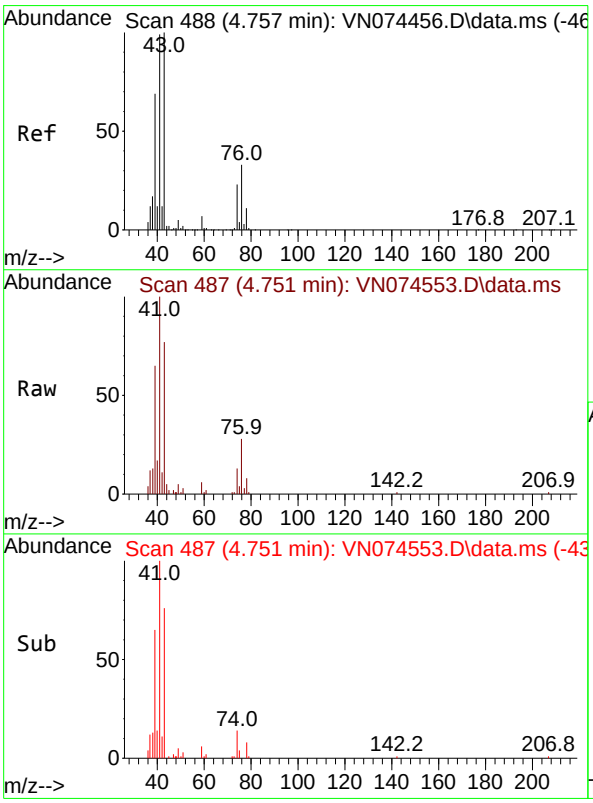
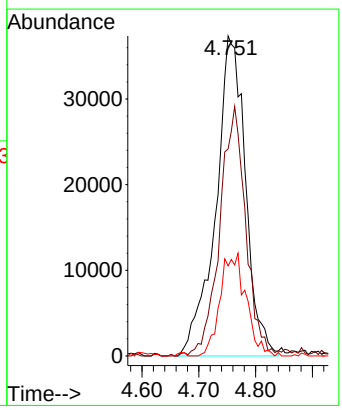
Reviewed By :John Carlone 09/19/2022
Supervised By :Mahesh Dadoda 09/19/2022

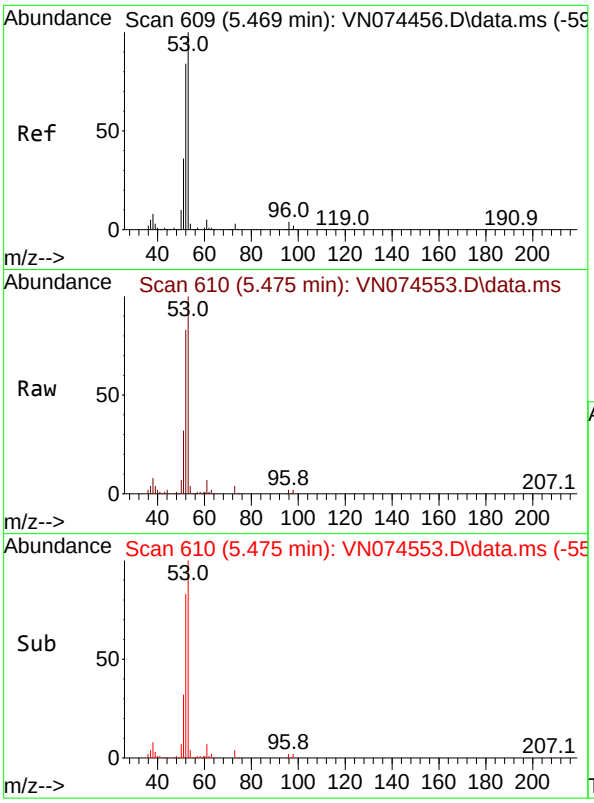


#14
Allyl chloride
Concen: 20.630 ug/l
RT: 4.751 min Scan# 487
Delta R.T. -0.006 min
Lab File: VN074553.D
Acq: 17 Sep 2022 14:03

Tgt Ion: 41 Resp: 136219

Ion	Ratio	Lower	Upper
41	100		
39	68.1	53.2	79.8
76	27.8	29.9	44.9#

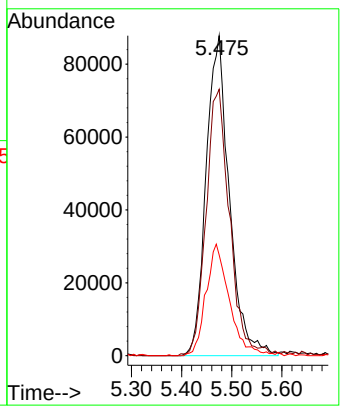




#15
Acrylonitrile
Concen: 108.546 ug/l
RT: 5.475 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN074553.D
Acq: 17 Sep 2022 14:03

Tgt Ion: 53 Resp: 28299

Ion	Ratio	Lower	Upper
53	100		
52	84.4	66.4	99.6
51	35.1	28.5	42.7



Instrument :
MSVOA_N
ClientSampleId :
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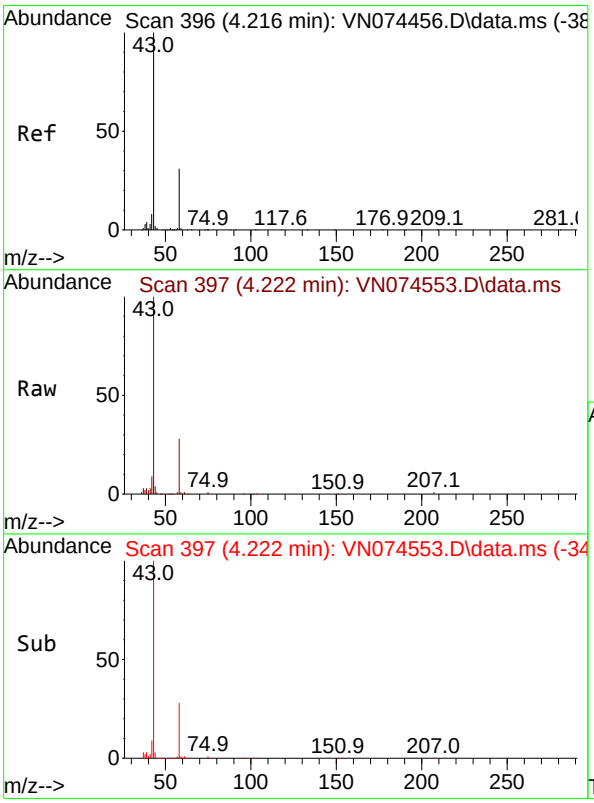
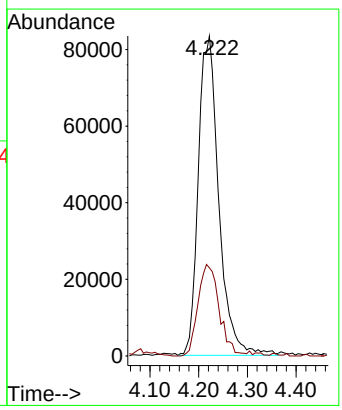
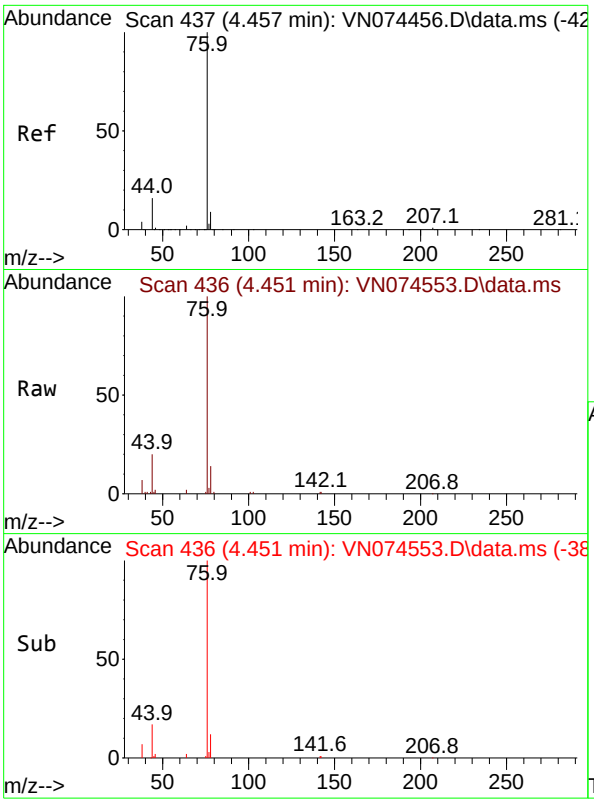


#16
Acetone
Concen: 106.862 ug/l
RT: 4.222 min Scan# 397
Delta R.T. 0.006 min
Lab File: VN074553.D
Acq: 17 Sep 2022 14:03

Tgt Ion: 43 Resp: 243605

Ion	Ratio	Lower	Upper
43	100		
58	27.6	26.0	39.0

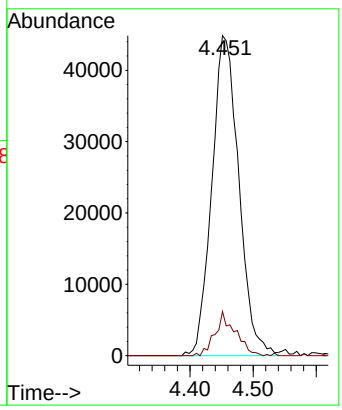




#17
Carbon Disulfide
Concen: 17.569 ug/l
RT: 4.451 min Scan# 4
Delta R.T. -0.006 min
Lab File: VN074553.D
Acq: 17 Sep 2022 14:03

Tgt Ion: 76 Resp: 13321

Ion	Ratio	Lower	Upper
76	100		
78	13.8	7.2	10.8#



Instrument :
MSVOA_N
ClientSampleId :
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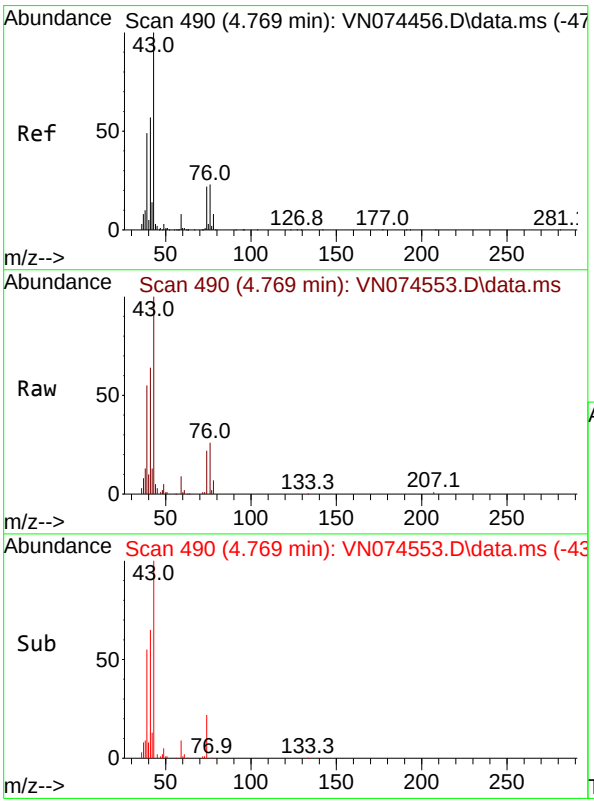
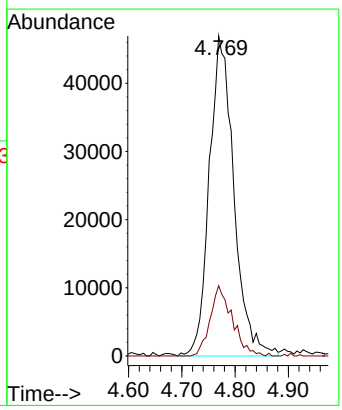
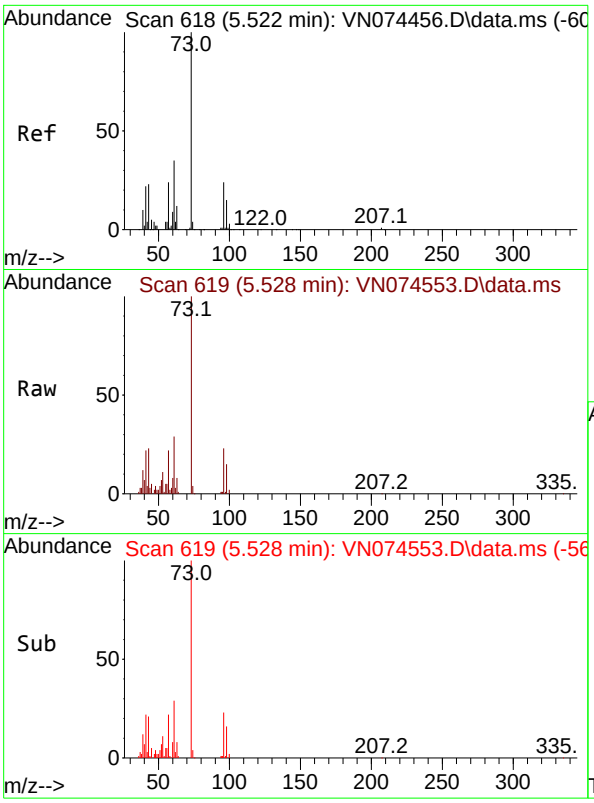


#18
Methyl Acetate
Concen: 21.254 ug/l
RT: 4.769 min Scan# 490
Delta R.T. 0.000 min
Lab File: VN074553.D
Acq: 17 Sep 2022 14:03

Tgt Ion: 43 Resp: 150485

Ion	Ratio	Lower	Upper
43	100		
74	19.7	21.6	32.4#

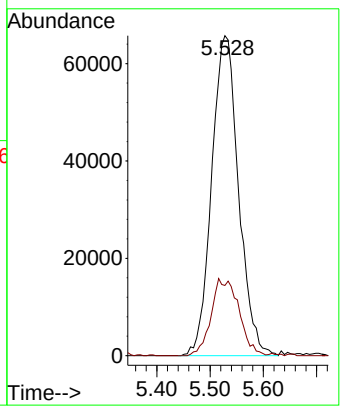




#19
Methyl tert-butyl Ether
Concen: 19.777 ug/l
RT: 5.528 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN074553.D
Acq: 17 Sep 2022 14:03

Tgt Ion: 73 Resp: 23048

Ion	Ratio	Lower	Upper
73	100		
57	21.9	17.6	26.4



Instrument :
MSVOA_N
ClientSampleId :
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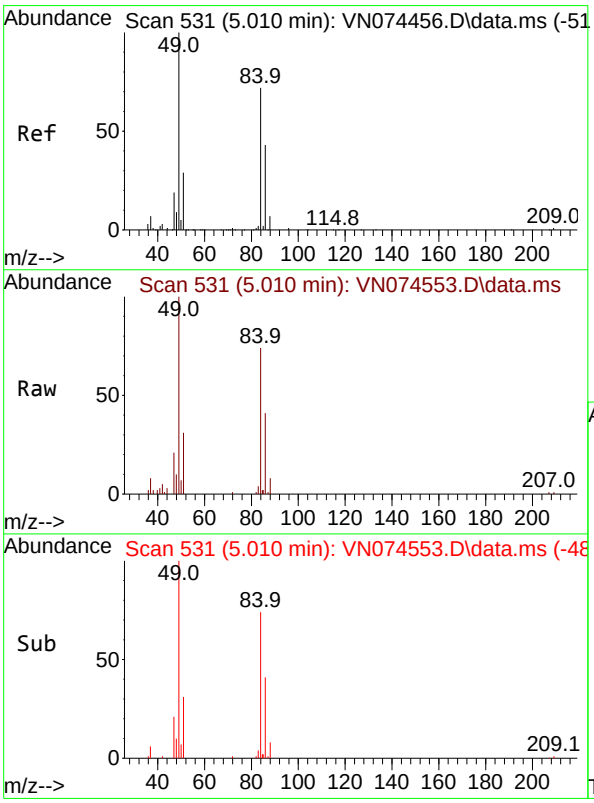
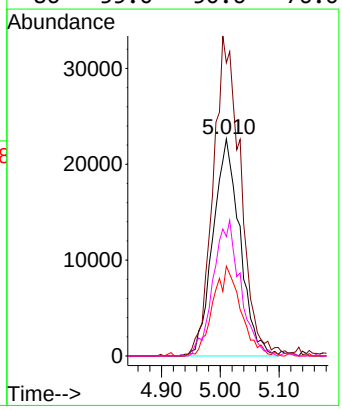
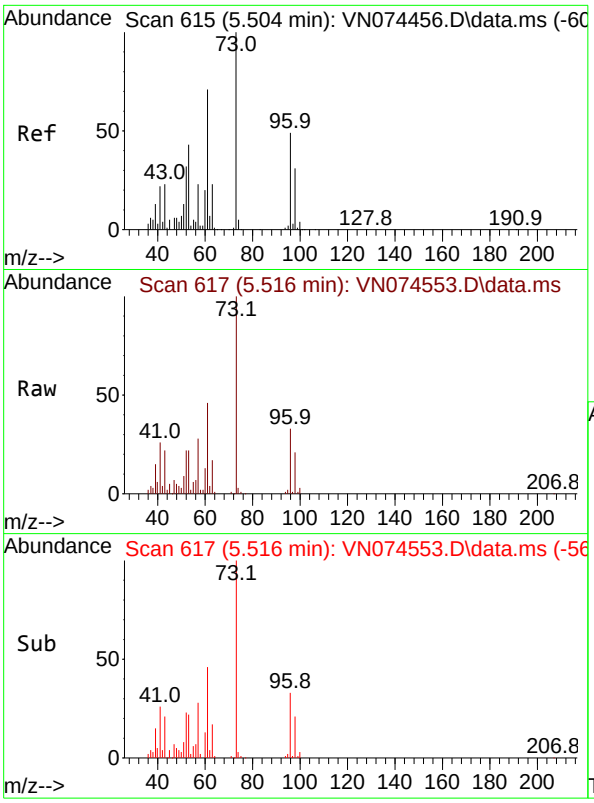


#20
Methylene Chloride
Concen: 20.773 ug/l
RT: 5.010 min Scan# 531
Delta R.T. 0.000 min
Lab File: VN074553.D
Acq: 17 Sep 2022 14:03

Tgt Ion: 84 Resp: 72233

Ion	Ratio	Lower	Upper
84	100		
49	135.1	88.3	132.5#
51	41.4	28.2	42.2
86	55.0	50.6	76.0

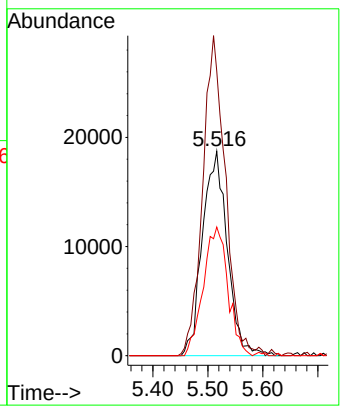




#21
trans-1,2-Dichloroethene
Concen: 19.600 ug/l
RT: 5.516 min Scan# 61
Delta R.T. 0.012 min
Lab File: VN074553.D
Acq: 17 Sep 2022 14:03

Tgt Ion: 96 Resp: 5873

Ion	Ratio	Lower	Upper
96	100		
61	139.2	105.8	158.8
98	63.0	50.3	75.5



Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS02

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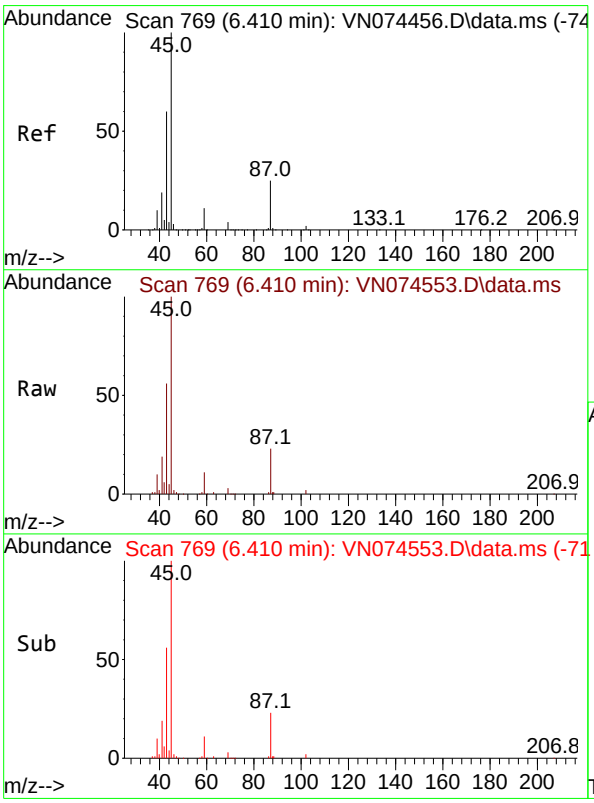
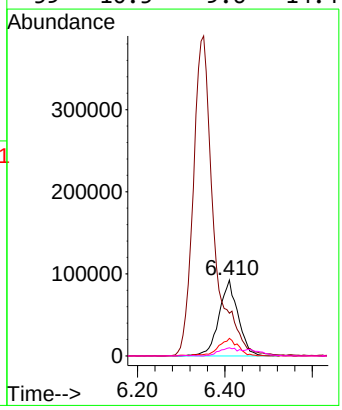
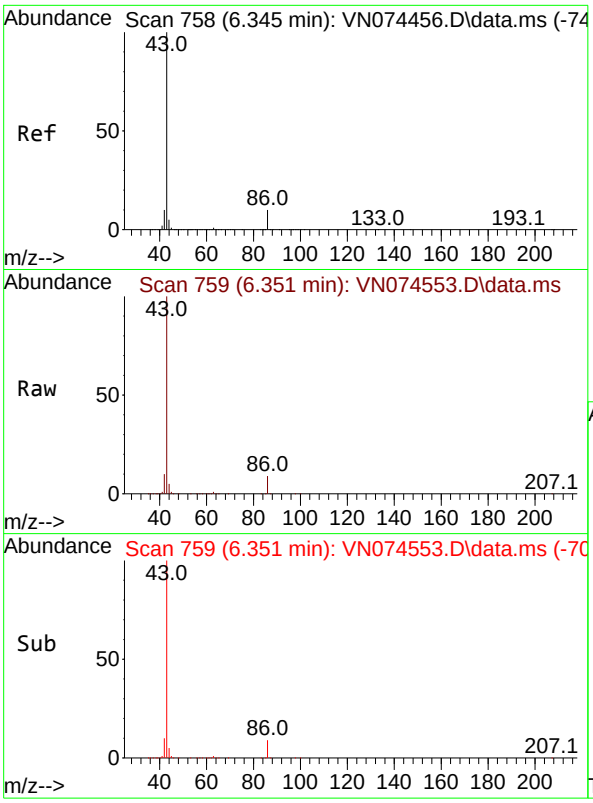


#22
Diisopropyl ether
Concen: 21.145 ug/l
RT: 6.410 min Scan# 769
Delta R.T. 0.000 min
Lab File: VN074553.D
Acq: 17 Sep 2022 14:03

Tgt Ion: 45 Resp: 280358

Ion	Ratio	Lower	Upper
45	100		
43	54.8	46.6	70.0
87	23.2	24.3	36.5#
59	10.5	9.6	14.4





#23
Vinyl Acetate
Concen: 108.777 ug/l
RT: 6.351 min Scan# 7
Delta R.T. 0.006 min
Lab File: VN074553.D
Acq: 17 Sep 2022 14:03

Tgt Ion: 43 Resp: 127207

Ion	Ratio	Lower	Upper
43	100		
86	8.8	10.0	15.0

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS02

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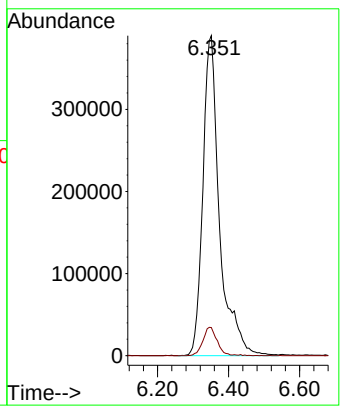
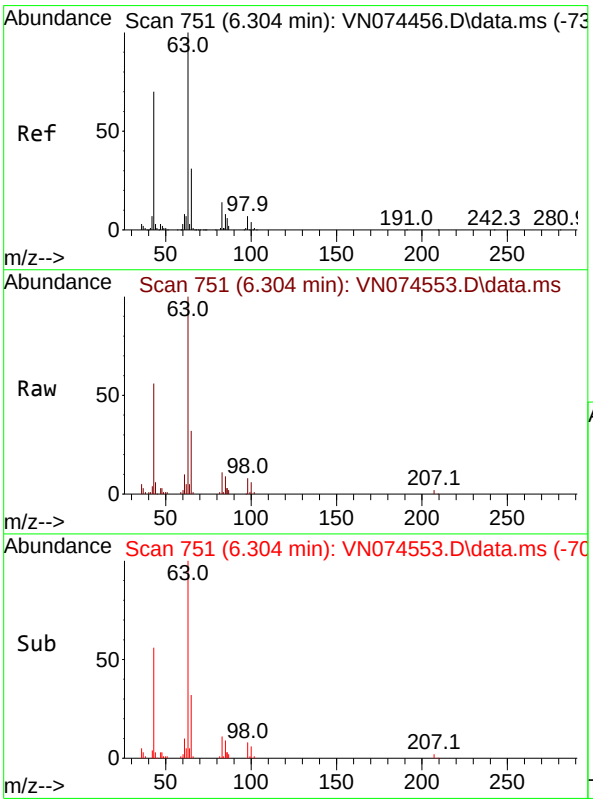
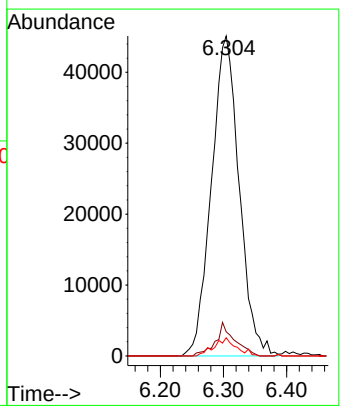


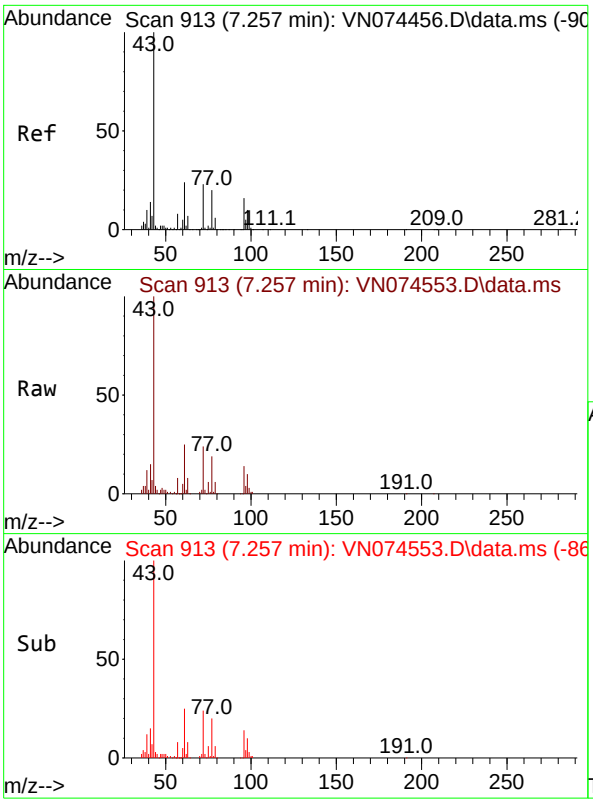


#24
1,1-Dichloroethane
Concen: 20.781 ug/l
RT: 6.304 min Scan# 751
Delta R.T. 0.000 min
Lab File: VN074553.D
Acq: 17 Sep 2022 14:03

Tgt Ion: 63 Resp: 137731

Ion	Ratio	Lower	Upper
63	100		
98	7.6	3.5	10.4
100	5.7	2.3	6.8





#25
2-Butanone
Concen: 111.981 ug/l
RT: 7.257 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN074553.D
Acq: 17 Sep 2022 14:03

Tgt Ion: 43 Resp: 42383

Ion	Ratio	Lower	Upper
43	100		
72	24.1	23.7	35.5

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS02

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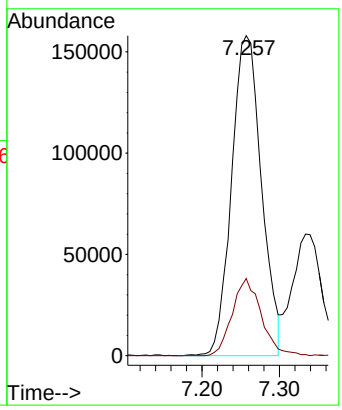
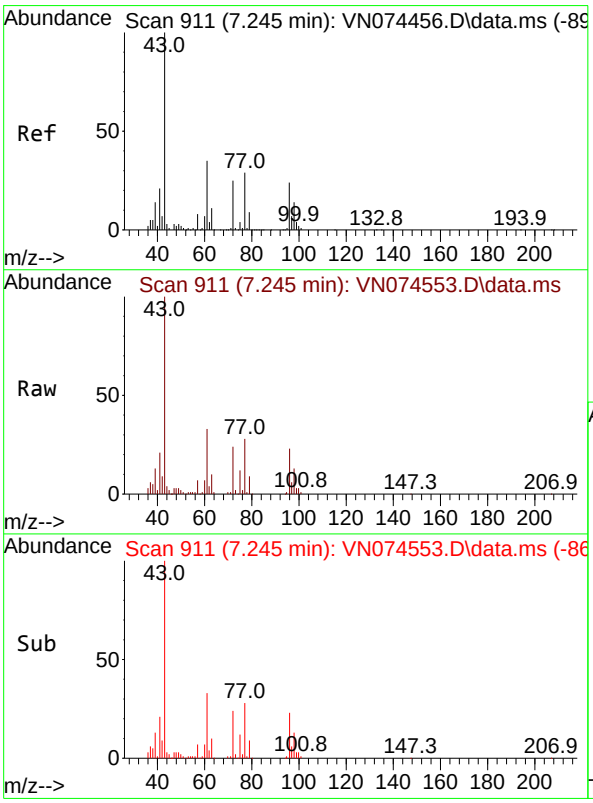
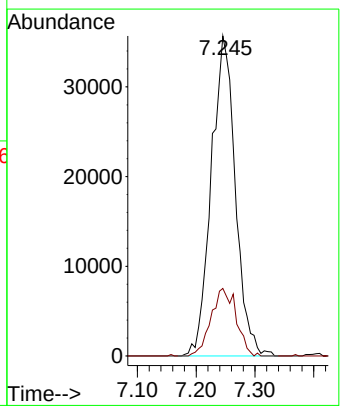


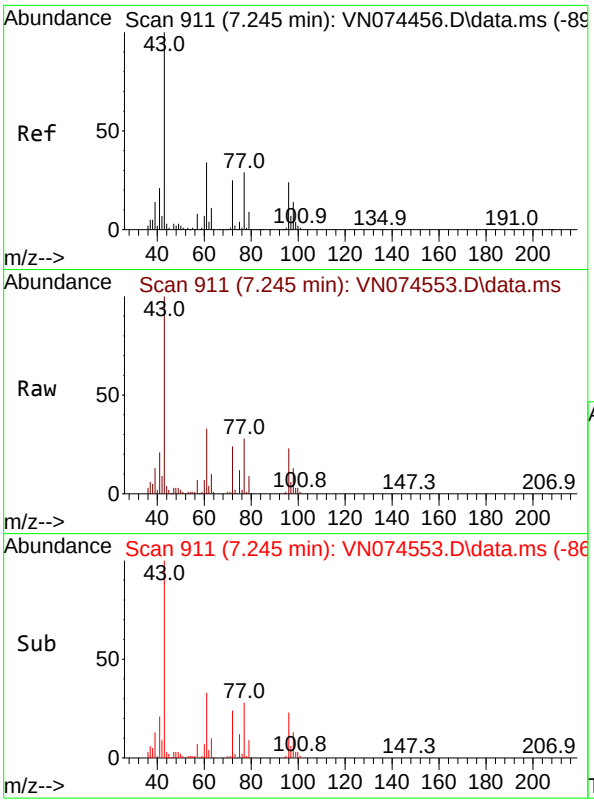


#26
2,2-Dichloropropane
Concen: 17.768 ug/l
RT: 7.245 min Scan# 911
Delta R.T. 0.000 min
Lab File: VN074553.D
Acq: 17 Sep 2022 14:03

Tgt Ion: 77 Resp: 101524

Ion	Ratio	Lower	Upper
77	100		
97	22.1	11.4	34.2

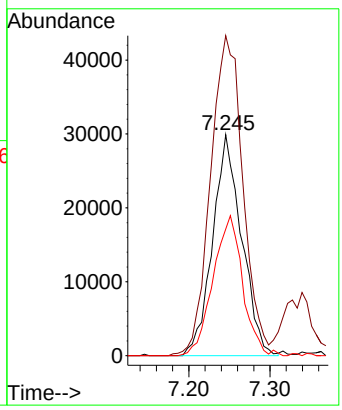




#27
cis-1,2-Dichloroethene
Concen: 19.129 ug/l
RT: 7.245 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN074553.D
Acq: 17 Sep 2022 14:03

Tgt Ion: 96 Resp: 7437

Ion	Ratio	Lower	Upper
96	100		
61	161.2	0.0	280.6
98	64.5	0.0	128.4



Instrument :
MSVOA_N
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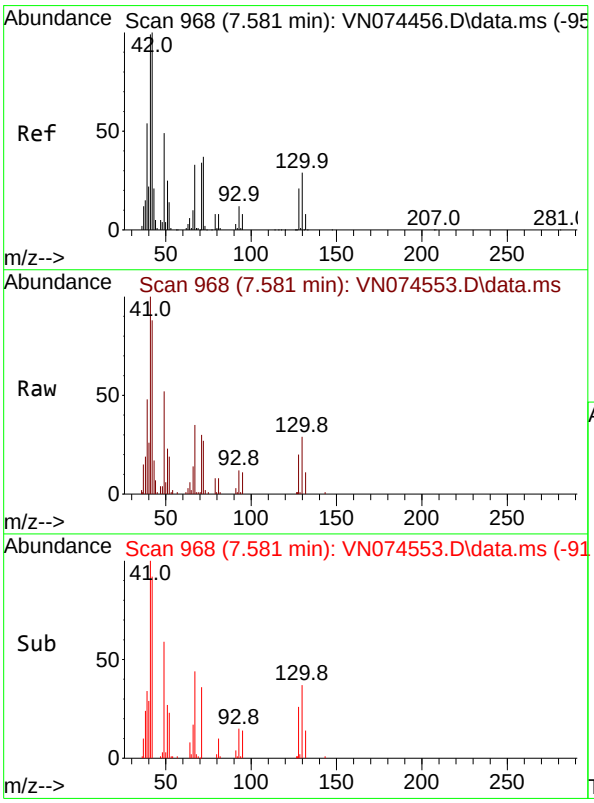
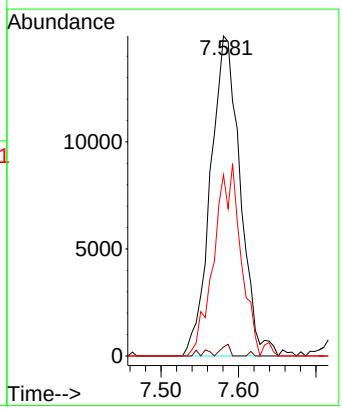
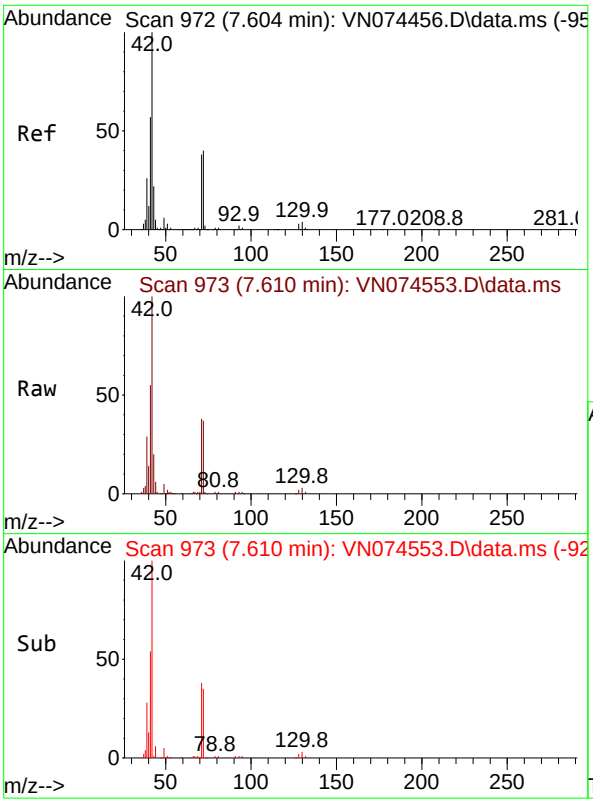


#28
Bromochloromethane
Concen: 20.323 ug/l
RT: 7.581 min Scan# 968
Delta R.T. -0.000 min
Lab File: VN074553.D
Acq: 17 Sep 2022 14:03

Tgt Ion: 49 Resp: 39694

Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	4.6
130	54.1	69.7	104.5#

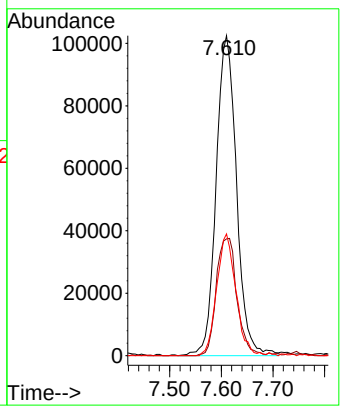




#29
Tetrahydrofuran
Concen: 113.037 ug/l
RT: 7.610 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN074553.D
Acq: 17 Sep 2022 14:03

Tgt Ion: 42 Resp: 28129

Ion	Ratio	Lower	Upper
42	100		
72	37.1	39.7	59.5#
71	35.7	36.6	55.0#



Instrument :
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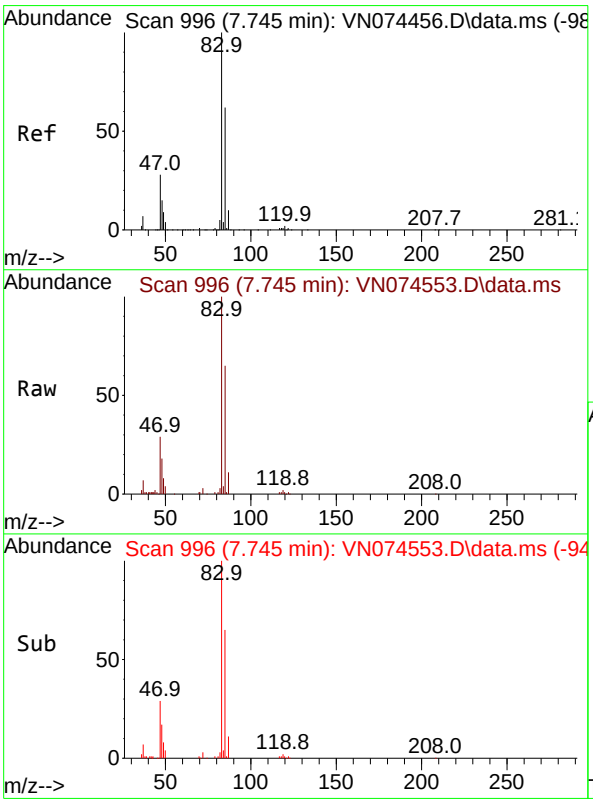
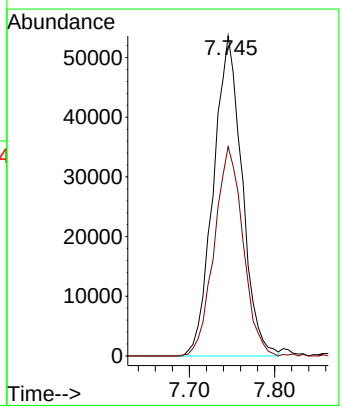
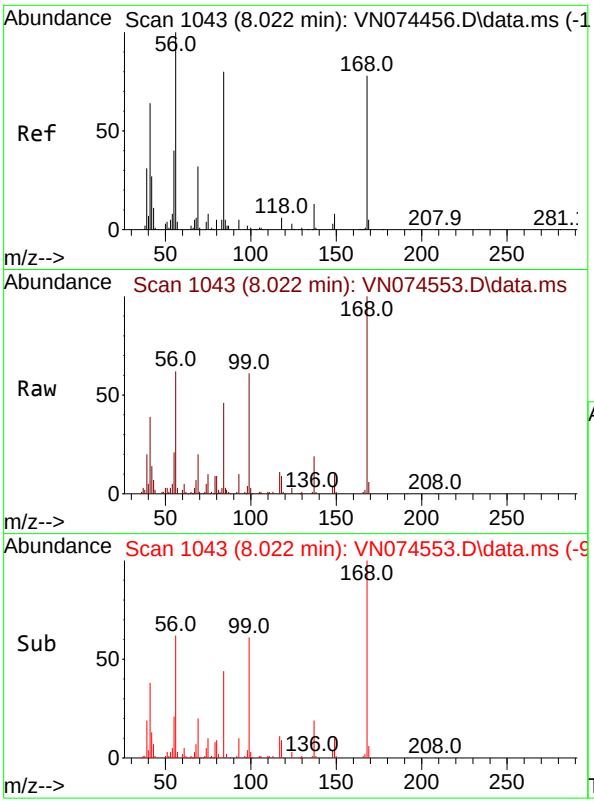


#30
Chloroform
Concen: 20.416 ug/l
RT: 7.745 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN074553.D
Acq: 17 Sep 2022 14:03

Tgt Ion: 83 Resp: 124888

Ion	Ratio	Lower	Upper
83	100		
85	65.4	51.8	77.8

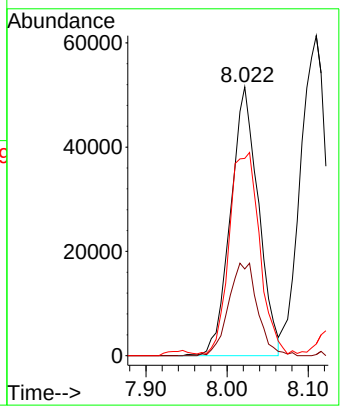




#31
Cyclohexane
Concen: 19.440 ug/l
RT: 8.022 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074553.D
Acq: 17 Sep 2022 14:03

Tgt Ion: 56 Resp: 12292

Ion	Ratio	Lower	Upper
56	100		
69	32.3	27.8	41.8
84	71.9	76.9	115.3#



Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS02

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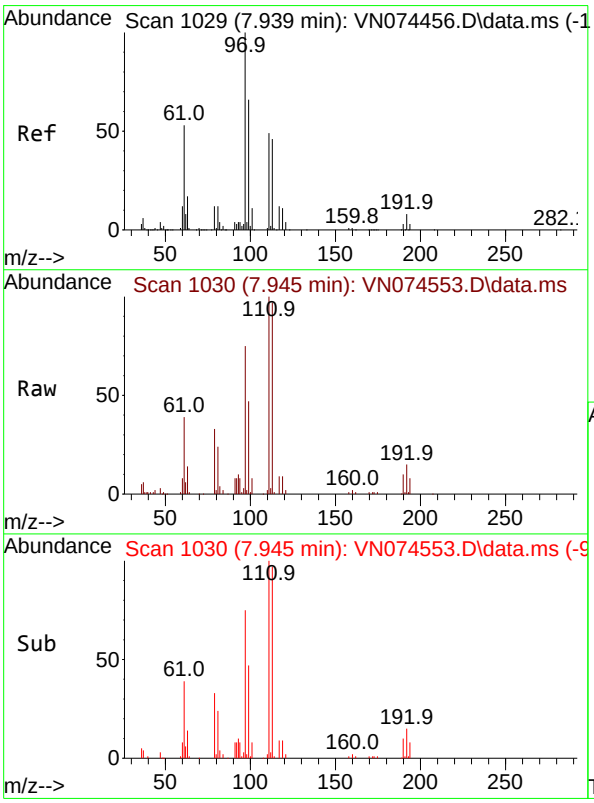
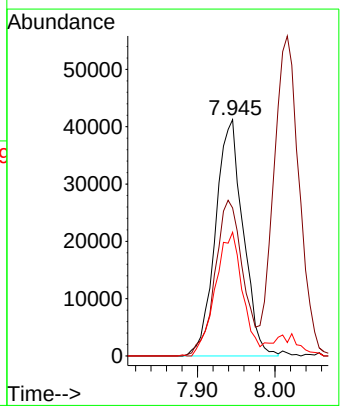
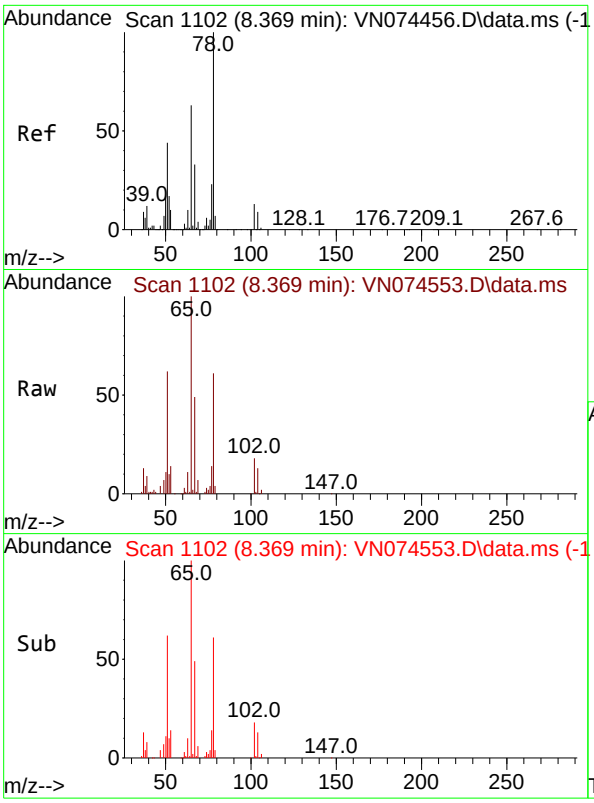


#32
1,1,1-Trichloroethane
Concen: 19.049 ug/l
RT: 7.945 min Scan# 1030
Delta R.T. 0.006 min
Lab File: VN074553.D
Acq: 17 Sep 2022 14:03

Tgt Ion: 97 Resp: 102199

Ion	Ratio	Lower	Upper
97	100		
99	65.7	50.6	76.0
61	53.3	36.0	54.0

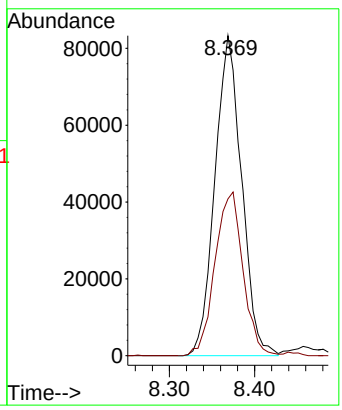




#33
1,2-Dichloroethane-d4
Concen: 51.007 ug/l
RT: 8.369 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074553.D
Acq: 17 Sep 2022 14:03

Tgt Ion: 65 Resp: 18171

Ion	Ratio	Lower	Upper
65	100		
67	53.5	0.0	104.8



Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS02

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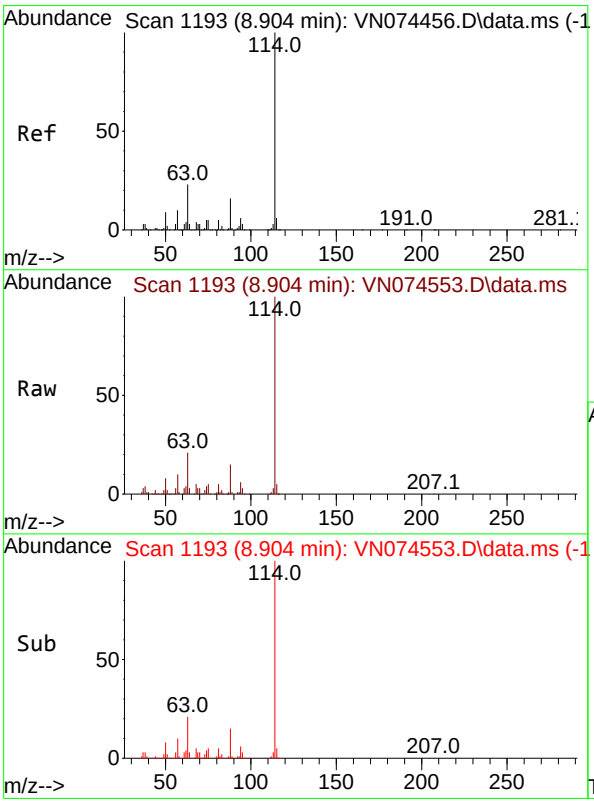
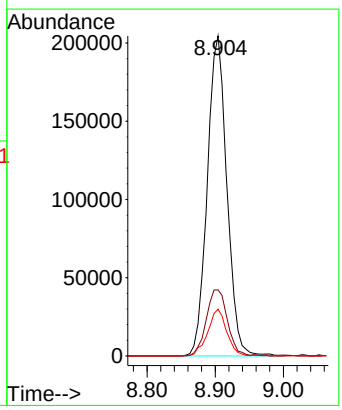
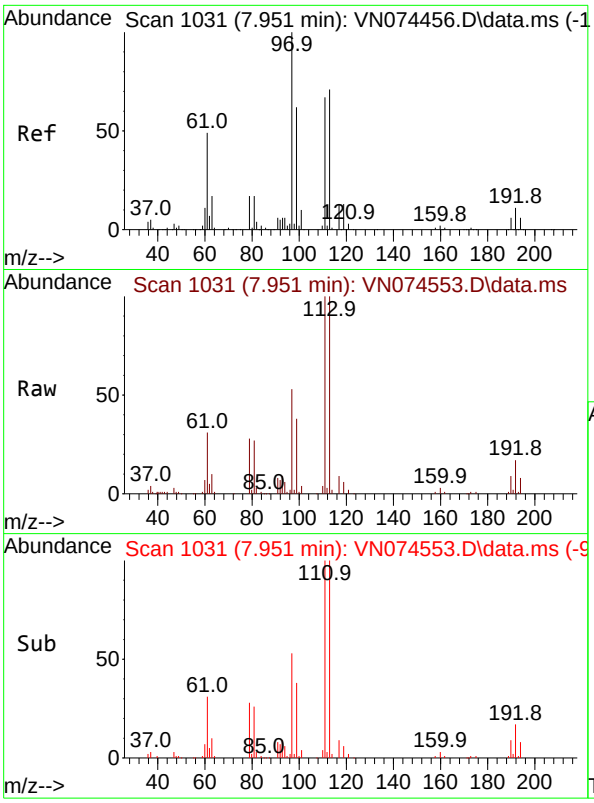


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VN074553.D
Acq: 17 Sep 2022 14:03

Tgt Ion:114 Resp: 409414

Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	40.0
88	14.7	0.0	32.6

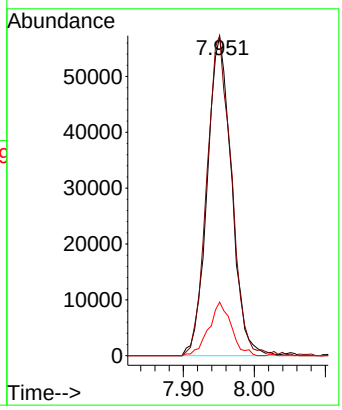




#35
Dibromofluoromethane
Concen: 49.893 ug/l
RT: 7.951 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074553.D
Acq: 17 Sep 2022 14:03

Tgt Ion:113 Resp: 13569

Ion	Ratio	Lower	Upper
113	100		
111	101.8	81.4	122.0
192	15.5	17.0	25.6



Instrument :
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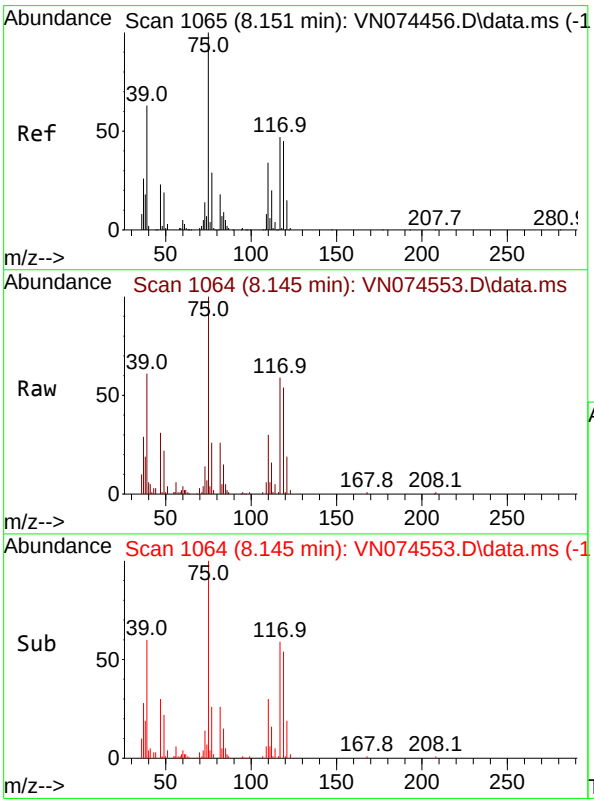
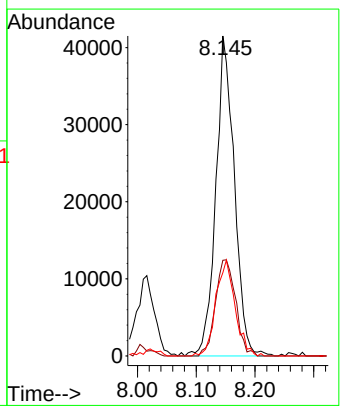
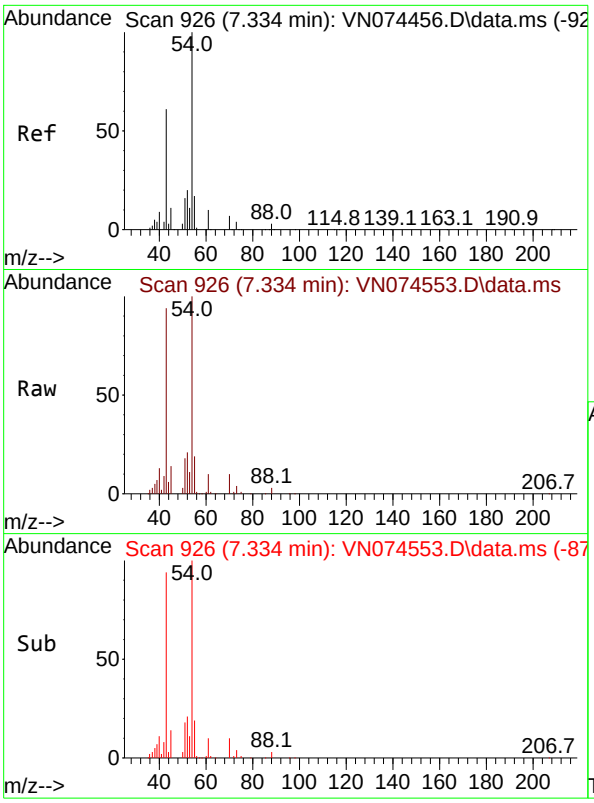


#36
1,1-Dichloropropene
Concen: 18.908 ug/l
RT: 8.145 min Scan# 1064
Delta R.T. -0.006 min
Lab File: VN074553.D
Acq: 17 Sep 2022 14:03

Tgt Ion: 75 Resp: 91019

Ion	Ratio	Lower	Upper
75	100		
110	32.7	18.3	54.8
77	31.0	25.1	37.7





#37
Ethyl Acetate
Concen: 21.395 ug/l
RT: 7.334 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN074553.D
Acq: 17 Sep 2022 14:03

Tgt Ion: 43 Resp: 15905

Ion	Ratio	Lower	Upper
43	100		
61	13.6	11.8	17.6
70	8.4	9.3	13.9

Instrument :
MSVOA_N
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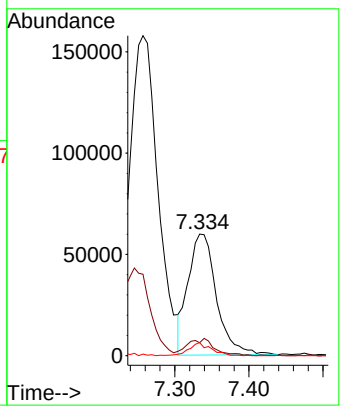
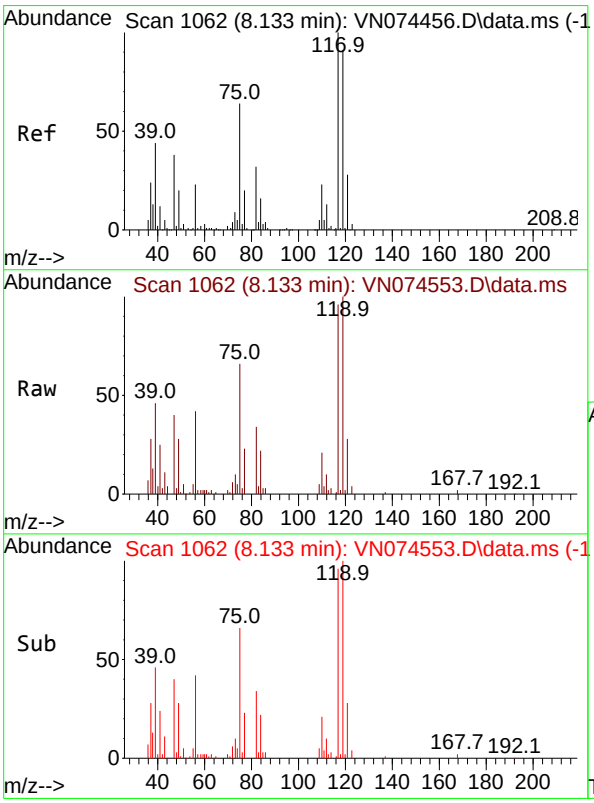
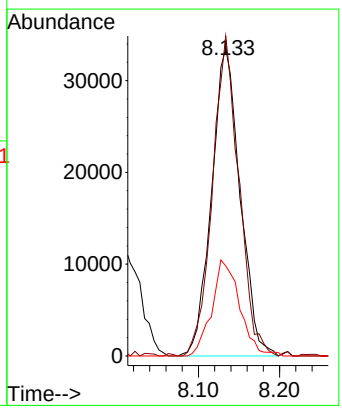


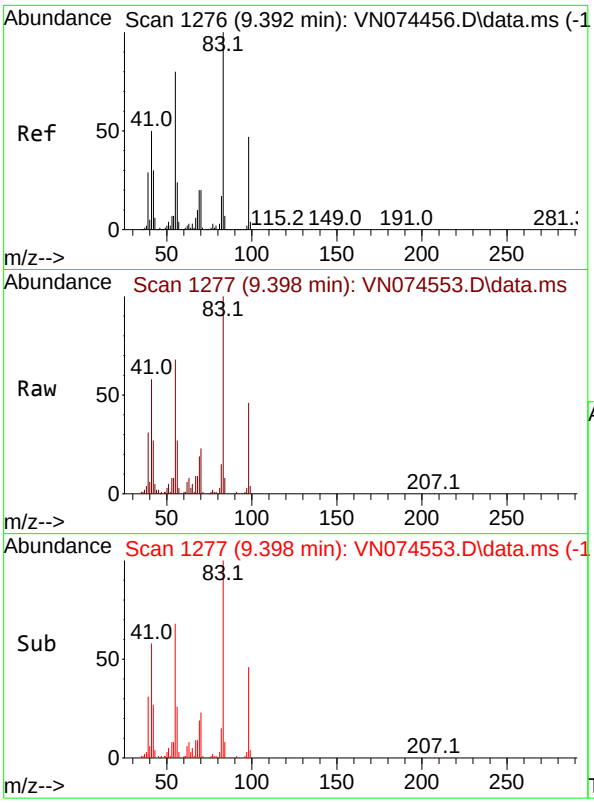


#38
Carbon Tetrachloride
Concen: 18.433 ug/l
RT: 8.133 min Scan# 1062
Delta R.T. 0.001 min
Lab File: VN074553.D
Acq: 17 Sep 2022 14:03

Tgt Ion:117 Resp: 81928

Ion	Ratio	Lower	Upper
117	100		
119	104.1	75.8	113.8
121	29.3	24.6	37.0





#39
Methylcyclohexane
Concen: 19.526 ug/l
RT: 9.398 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN074553.D
Acq: 17 Sep 2022 14:03

Tgt Ion: 83 Resp: 11177

Ion	Ratio	Lower	Upper
83	100		
55	68.5	57.8	86.8
98	45.7	39.4	59.2

Instrument :
MSVOA_N
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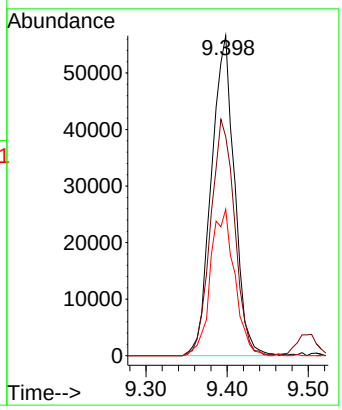
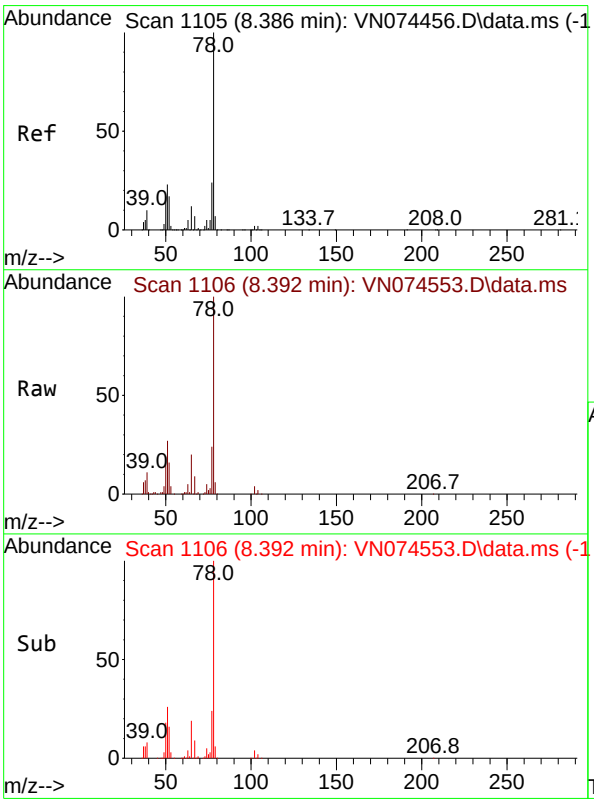
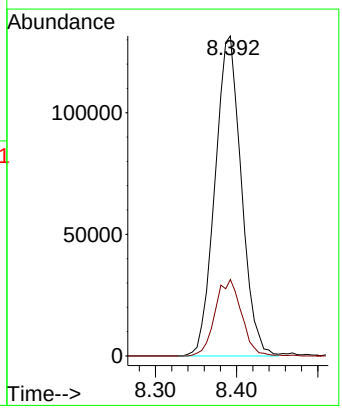


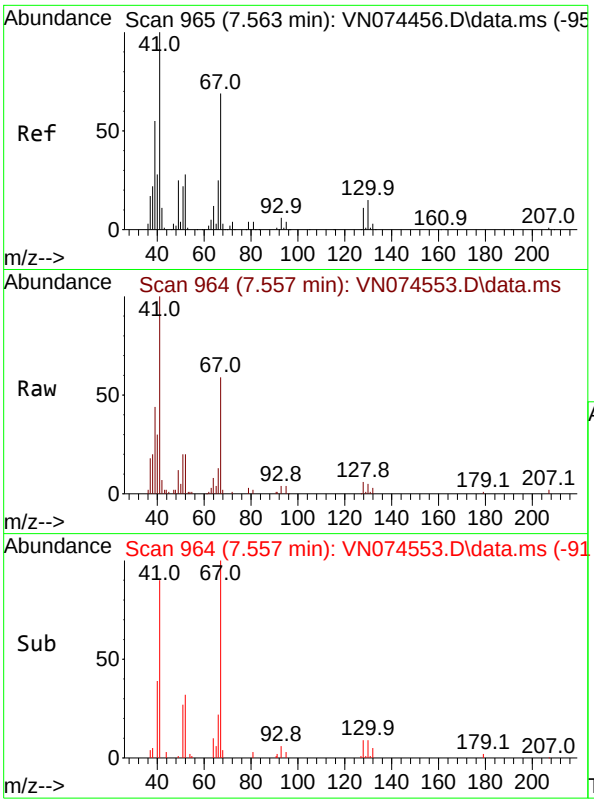


#40
Benzene
Concen: 19.922 ug/l
RT: 8.392 min Scan# 1106
Delta R.T. 0.006 min
Lab File: VN074553.D
Acq: 17 Sep 2022 14:03

Tgt Ion: 78 Resp: 296555

Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.4	29.0

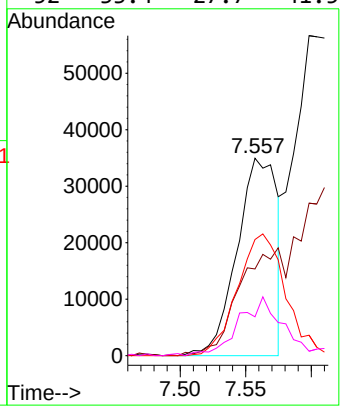




#41
Methacrylonitrile
Concen: 20.700 ug/l
RT: 7.557 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN074553.D
Acq: 17 Sep 2022 14:03

Tgt Ion: 41 Resp: 7439

Ion	Ratio	Lower	Upper
41	100		
39	61.8	48.6	73.0
67	74.1	73.4	110.2
52	33.4	27.7	41.5



Instrument :
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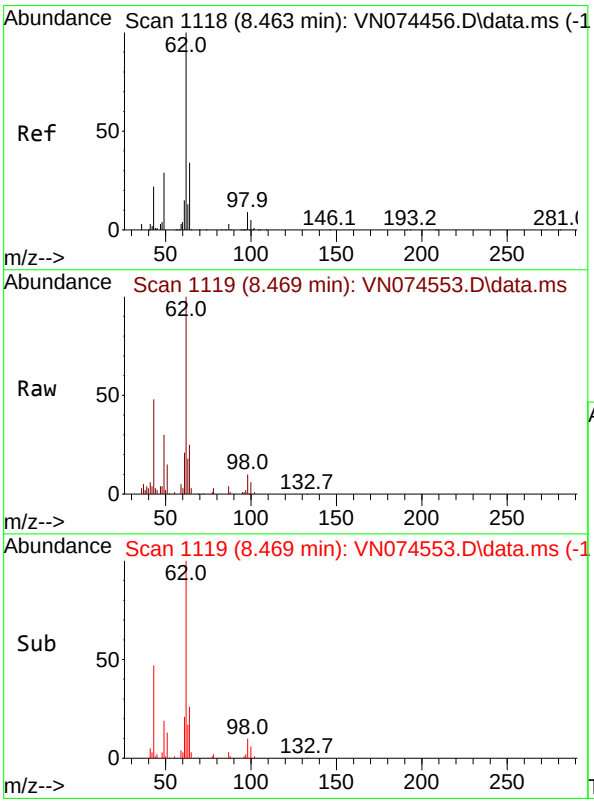
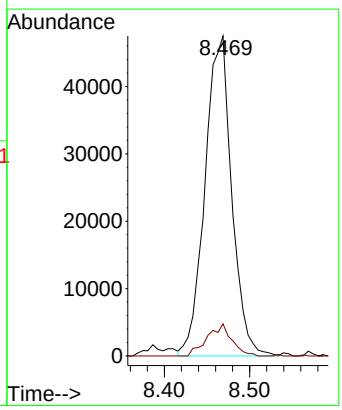
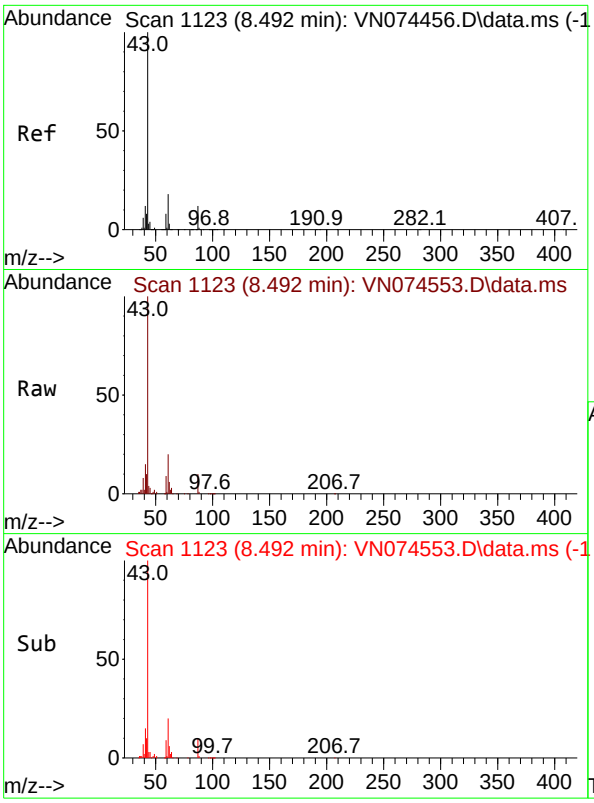


#42
1,2-Dichloroethane
Concen: 20.271 ug/l
RT: 8.469 min Scan# 1119
Delta R.T. 0.006 min
Lab File: VN074553.D
Acq: 17 Sep 2022 14:03

Tgt Ion: 62 Resp: 103552

Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	19.4





#43
Isopropyl Acetate
Concen: 20.788 ug/l
RT: 8.492 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074553.D
Acq: 17 Sep 2022 14:03

Tgt Ion: 43 Resp: 24208

Ion	Ratio	Lower	Upper
43	100		
61	22.6	21.9	32.9
87	10.2	12.0	18.0#

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS02

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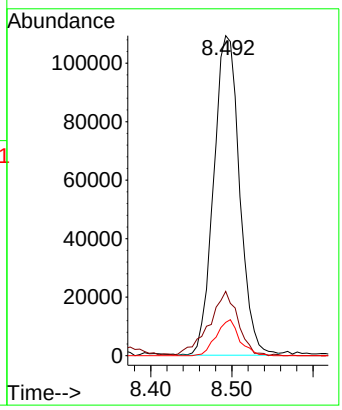
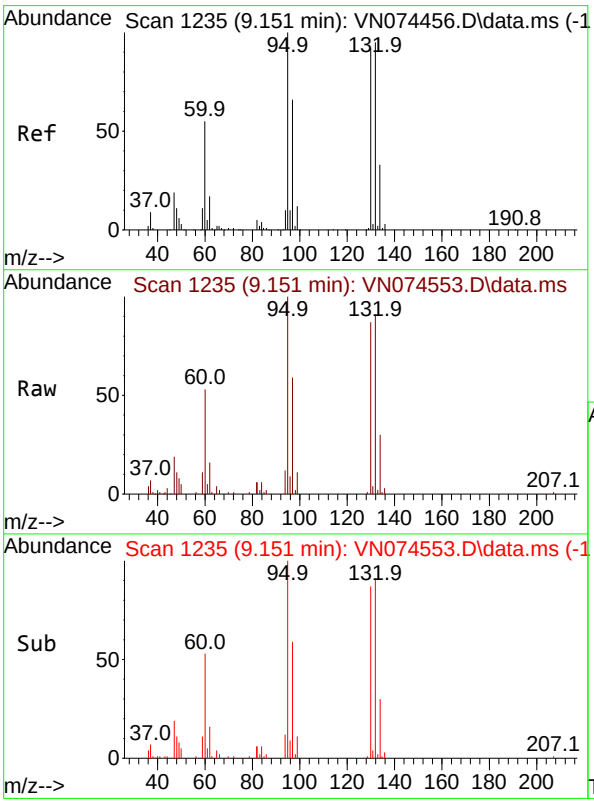
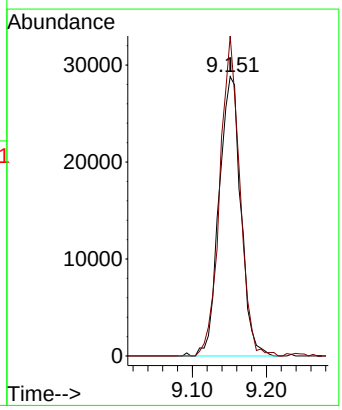


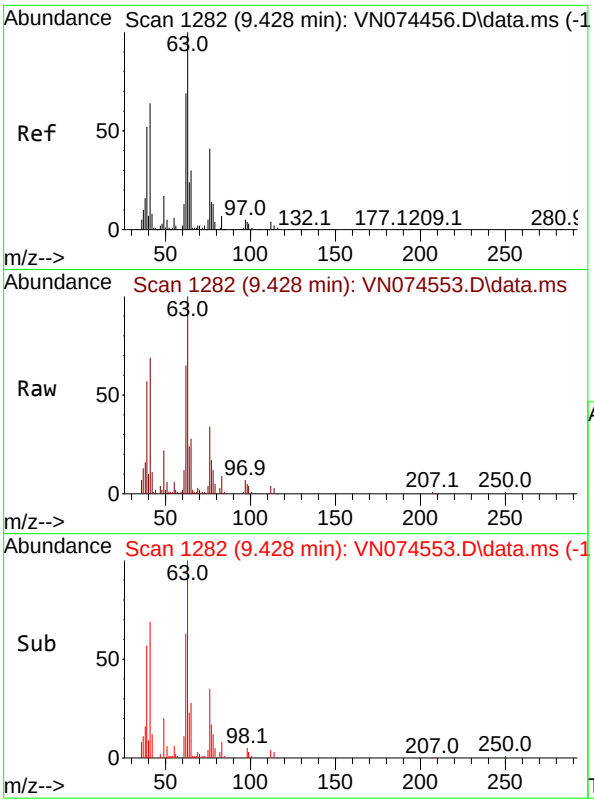


#44
Trichloroethene
Concen: 18.245 ug/l
RT: 9.151 min Scan# 1235
Delta R.T. 0.000 min
Lab File: VN074553.D
Acq: 17 Sep 2022 14:03

Tgt Ion:130 Resp: 58768

Ion	Ratio	Lower	Upper
130	100		
95	114.5	0.0	186.8





#45
1,2-Dichloropropane
Concen: 20.191 ug/l
RT: 9.428 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074553.D
Acq: 17 Sep 2022 14:03

Tgt Ion: 63 Resp: 8260

Ion	Ratio	Lower	Upper
63	100		
65	27.9	24.9	37.3

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS02

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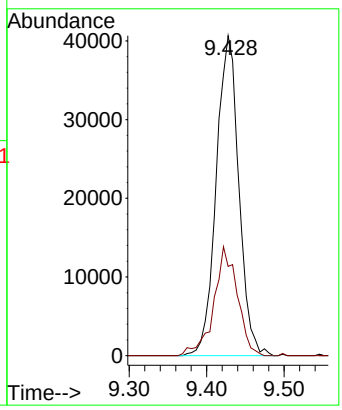
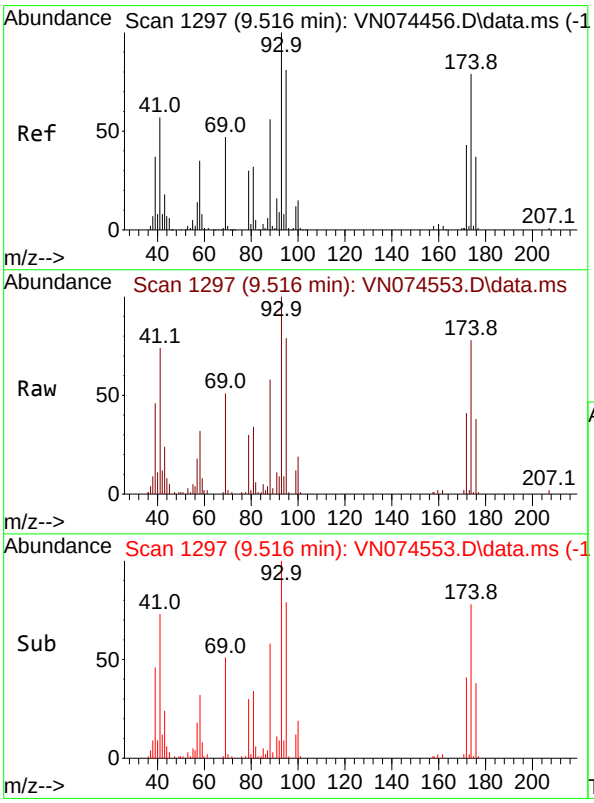
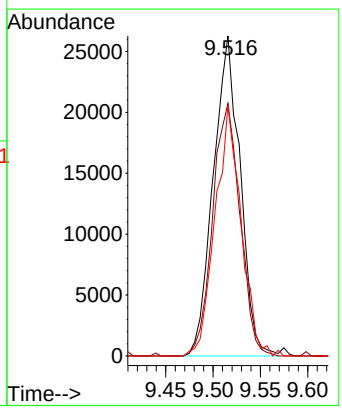


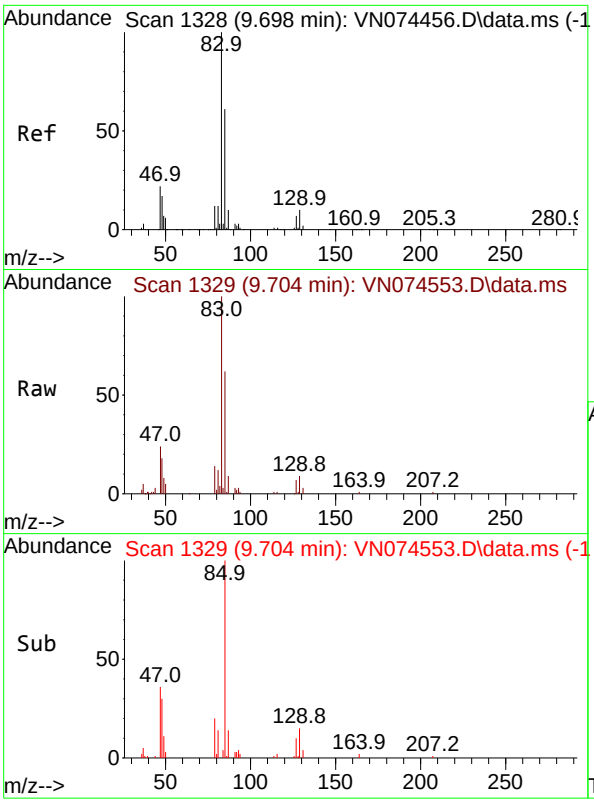


#46
Dibromomethane
Concen: 20.263 ug/l
RT: 9.516 min Scan# 1297
Delta R.T. -0.000 min
Lab File: VN074553.D
Acq: 17 Sep 2022 14:03

Tgt Ion: 93 Resp: 51919

Ion	Ratio	Lower	Upper
93	100		
95	80.0	66.9	100.3
174	75.4	86.6	130.0#

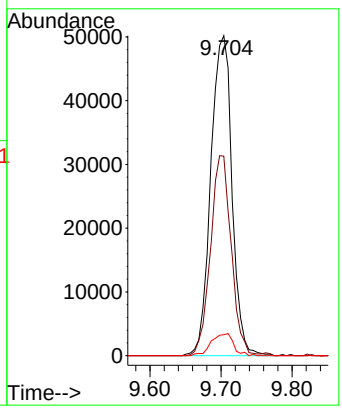




#47
Bromodichloromethane
Concen: 20.633 ug/l
RT: 9.704 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN074553.D
Acq: 17 Sep 2022 14:03

Tgt Ion: 83 Resp: 10364

Ion	Ratio	Lower	Upper
83	100		
85	62.3	50.5	75.7
127	6.5	6.8	10.2#



Instrument :
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ClientSampleId :
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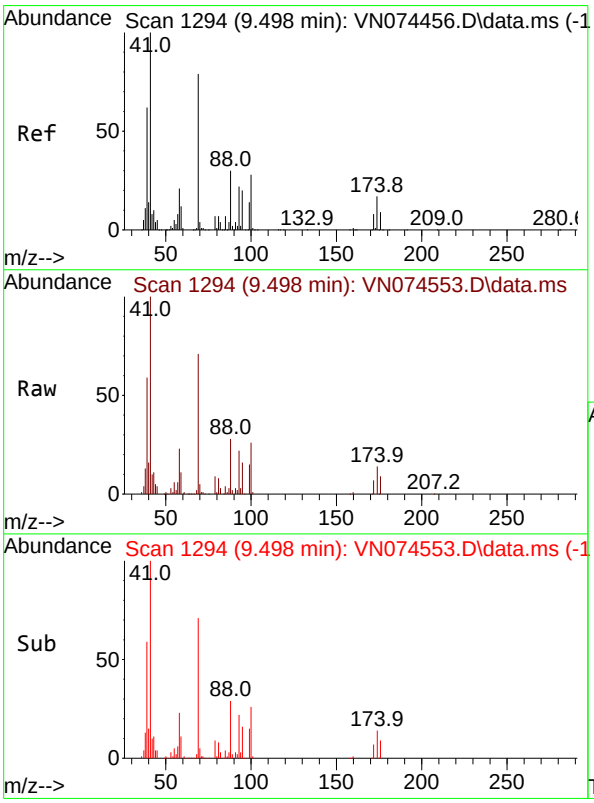
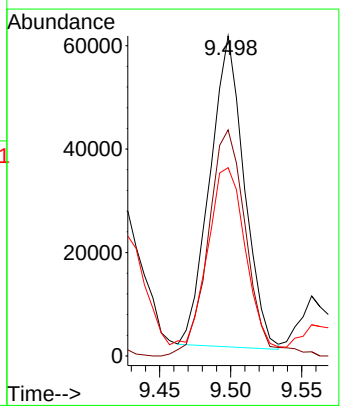
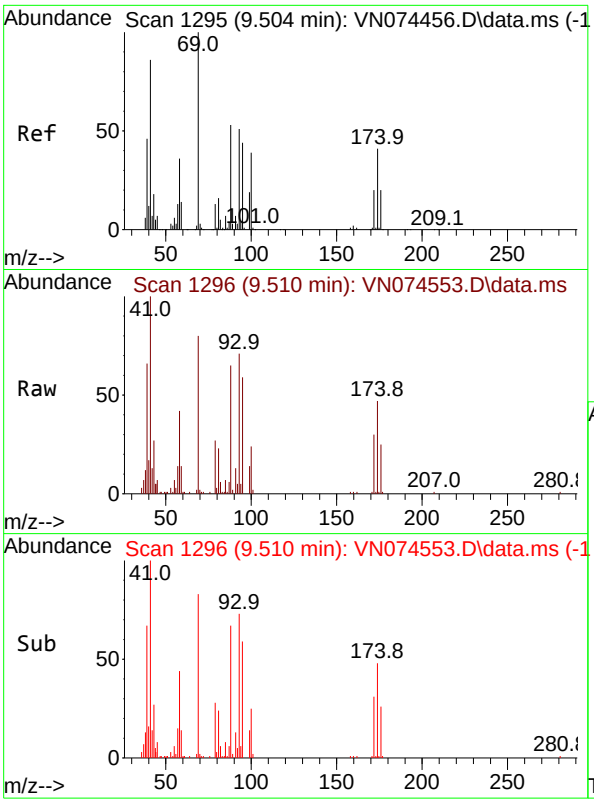


#48
Methyl methacrylate
Concen: 19.553 ug/l
RT: 9.498 min Scan# 1294
Delta R.T. 0.000 min
Lab File: VN074553.D
Acq: 17 Sep 2022 14:03

Tgt Ion: 41 Resp: 100961

Ion	Ratio	Lower	Upper
41	100		
69	80.1	74.7	112.1
39	70.2	45.6	68.4#





#49
1,4-Dioxane
Concen: 420.170 ug/l
RT: 9.510 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN074553.D
Acq: 17 Sep 2022 14:03

Tgt Ion: 88 Resp: 4171

Ion	Ratio	Lower	Upper
88	100		
43	39.7	20.2	30.4
58	72.8	54.2	81.4

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS02

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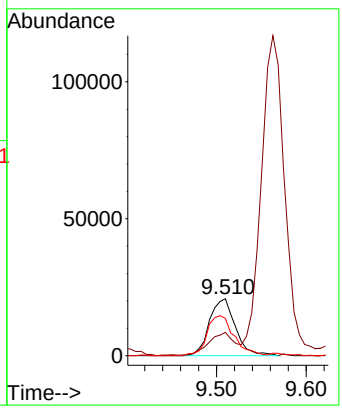
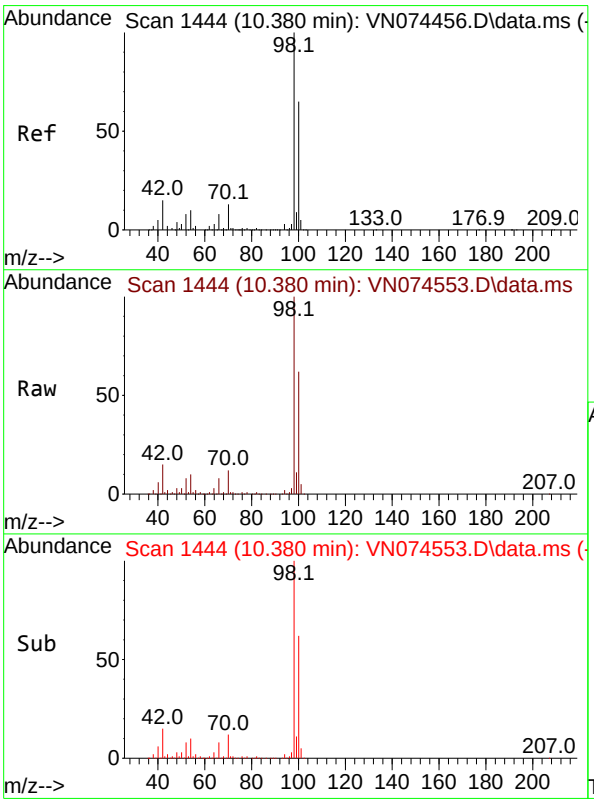
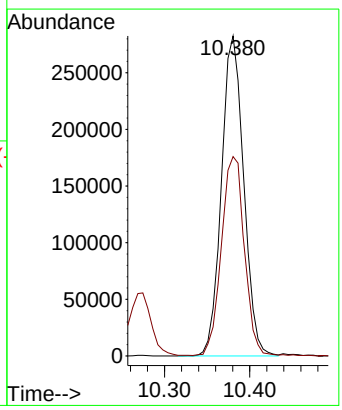


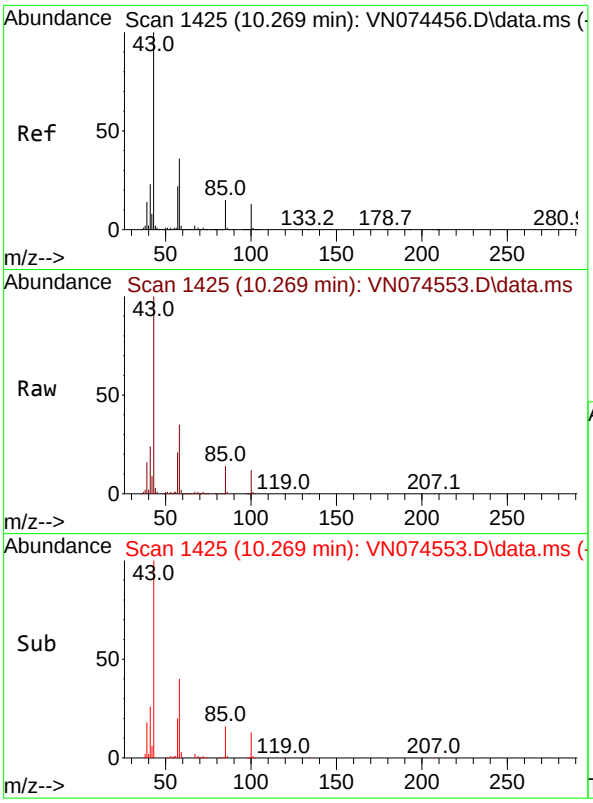


#50
Toluene-d8
Concen: 48.696 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074553.D
Acq: 17 Sep 2022 14:03

Tgt Ion: 98 Resp: 512180

Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.6	78.8





#51
4-Methyl-2-Pentanone
Concen: 111.804 ug/l
RT: 10.269 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN074553.D
Acq: 17 Sep 2022 14:03

Tgt Ion: 43 Resp: 85020

Ion	Ratio	Lower	Upper
43	100		
58	35.3	34.1	51.1

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS02

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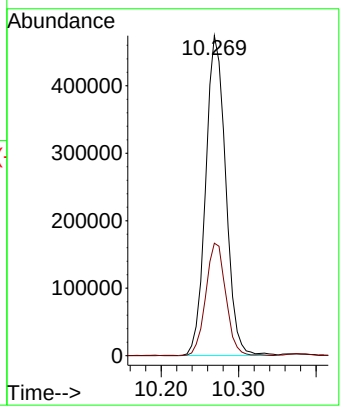
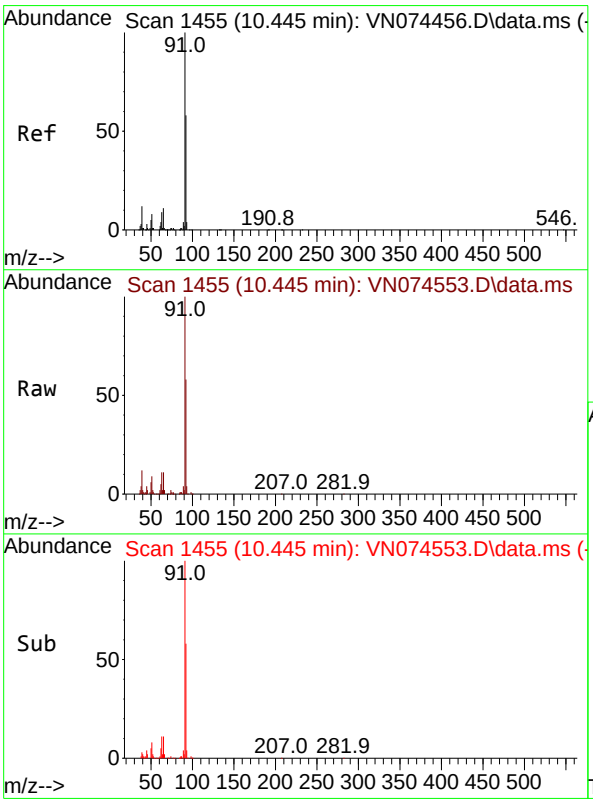
Reviewed By :John Carlone 09/19/2022
Supervised By :Mahesh Dadoda 09/19/2022

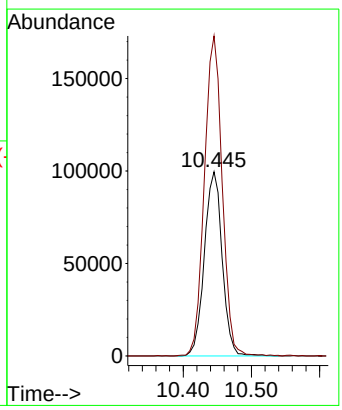


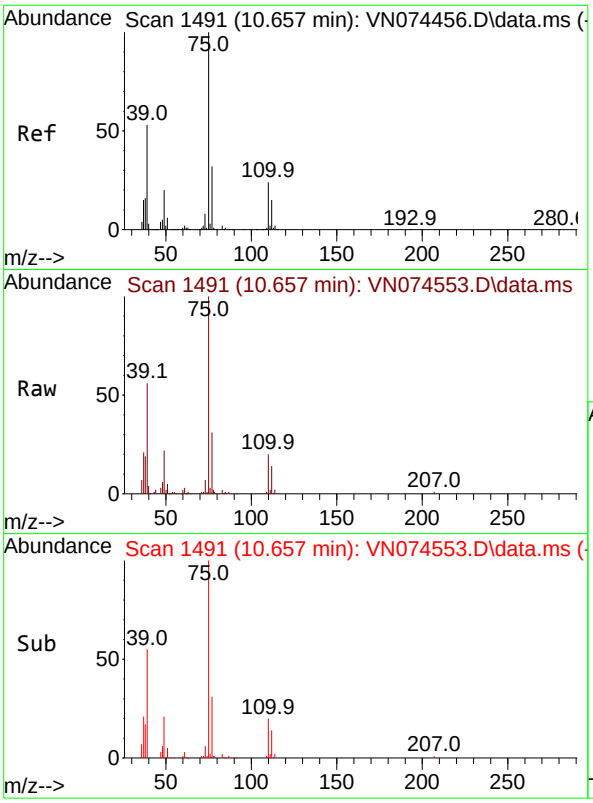


#52
Toluene
Concen: 20.741 ug/l
RT: 10.445 min Scan# 1455
Delta R.T. 0.000 min
Lab File: VN074553.D
Acq: 17 Sep 2022 14:03

Tgt Ion: 92 Resp: 181051

Ion	Ratio	Lower	Upper
92	100		
91	174.0	138.6	207.8





#53
t-1,3-Dichloropropene
Concen: 18.911 ug/l
RT: 10.657 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN074553.D
Acq: 17 Sep 2022 14:03

Tgt Ion: 75 Resp: 11071(

Ion	Ratio	Lower	Upper
75	100		
77	30.1	25.6	38.4

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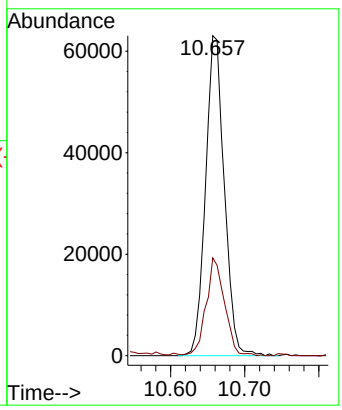
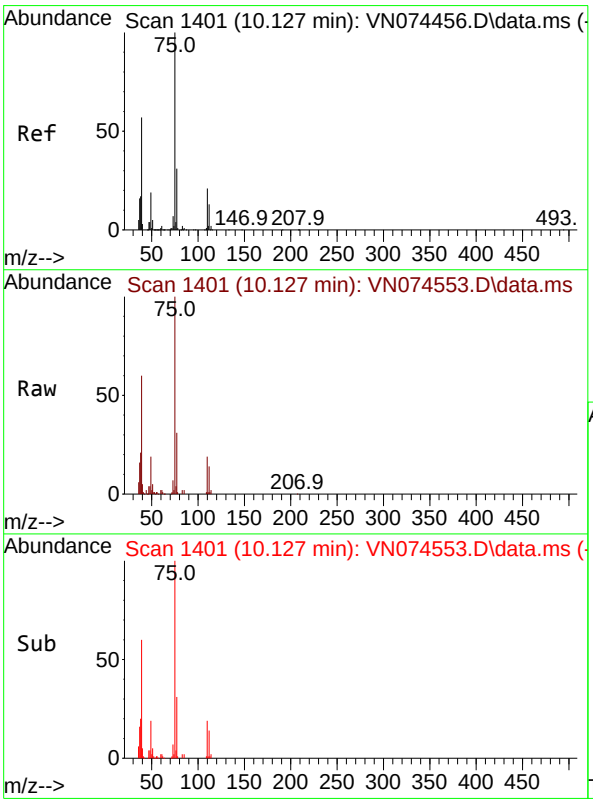
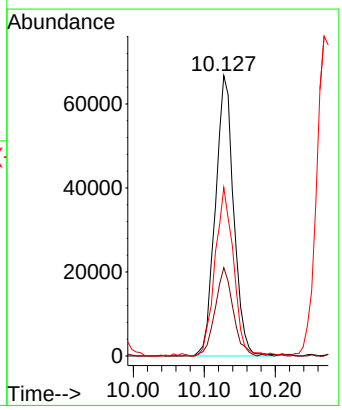


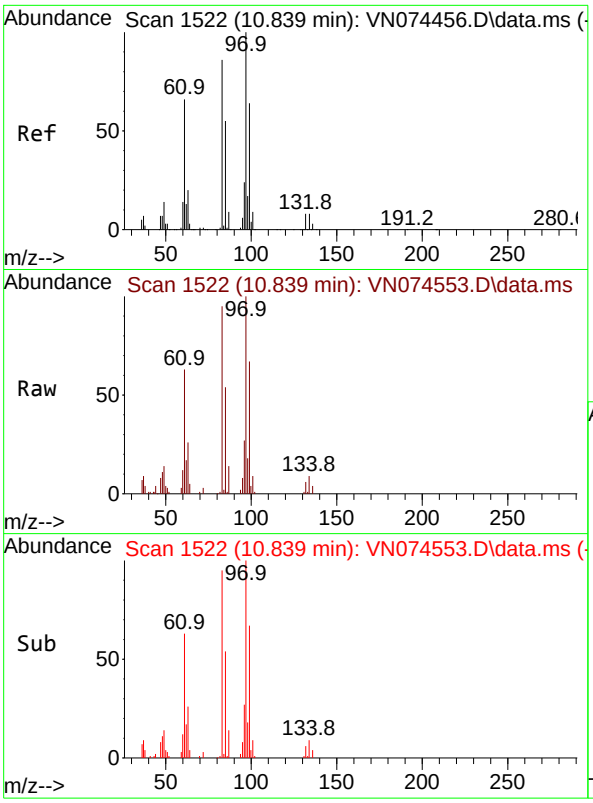


#54
cis-1,3-Dichloropropene
Concen: 19.058 ug/l
RT: 10.127 min Scan# 1401
Delta R.T. 0.000 min
Lab File: VN074553.D
Acq: 17 Sep 2022 14:03

Tgt Ion: 75 Resp: 119405

Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.2	37.8
39	59.9	35.7	53.5#

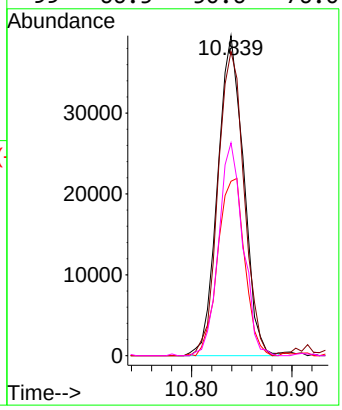




#55
1,1,2-Trichloroethane
Concen: 19.203 ug/l
RT: 10.839 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074553.D
Acq: 17 Sep 2022 14:03

Tgt Ion: 97 Resp: 7100

Ion	Ratio	Lower	Upper
97	100		
83	95.1	66.2	99.4
85	54.5	43.9	65.9
99	66.5	50.6	76.0



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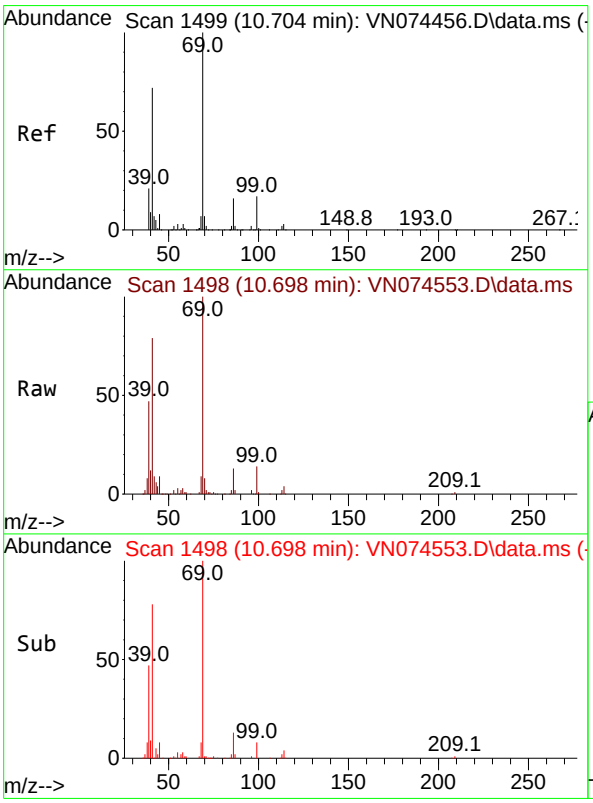
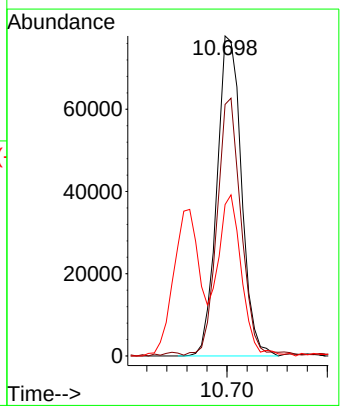
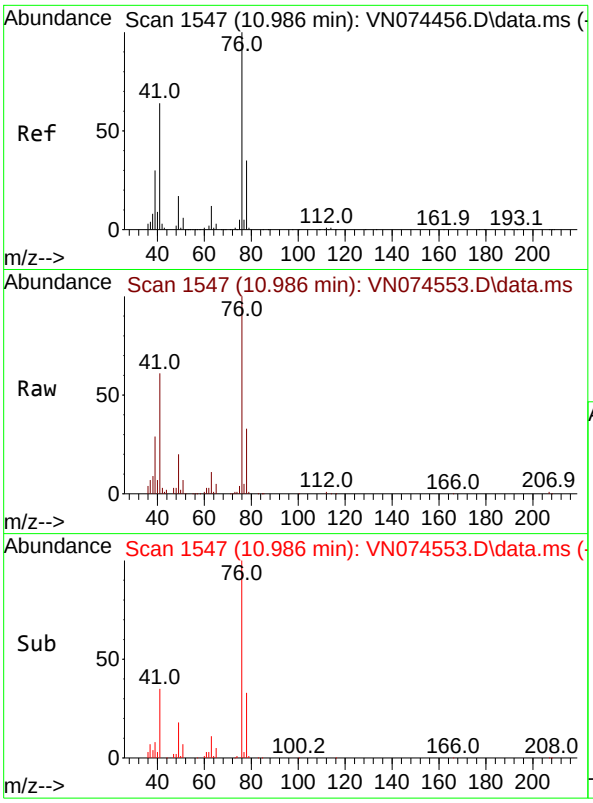


#56
Ethyl methacrylate
Concen: 19.998 ug/l
RT: 10.698 min Scan# 1498
Delta R.T. -0.006 min
Lab File: VN074553.D
Acq: 17 Sep 2022 14:03

Tgt Ion: 69 Resp: 132079

Ion	Ratio	Lower	Upper
69	100		
41	78.5	47.8	71.6#
39	48.5	27.3	40.9#

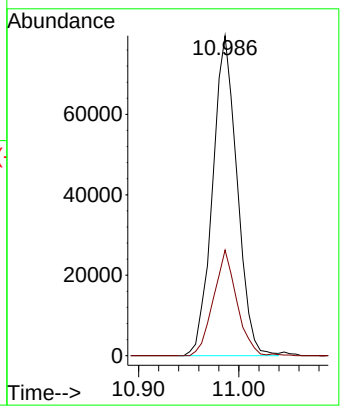




#57
1,3-Dichloropropane
Concen: 20.862 ug/l
RT: 10.986 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074553.D
Acq: 17 Sep 2022 14:03

Tgt Ion: 76 Resp: 13524

Ion	Ratio	Lower	Upper
76	100		
78	31.4	26.2	39.2



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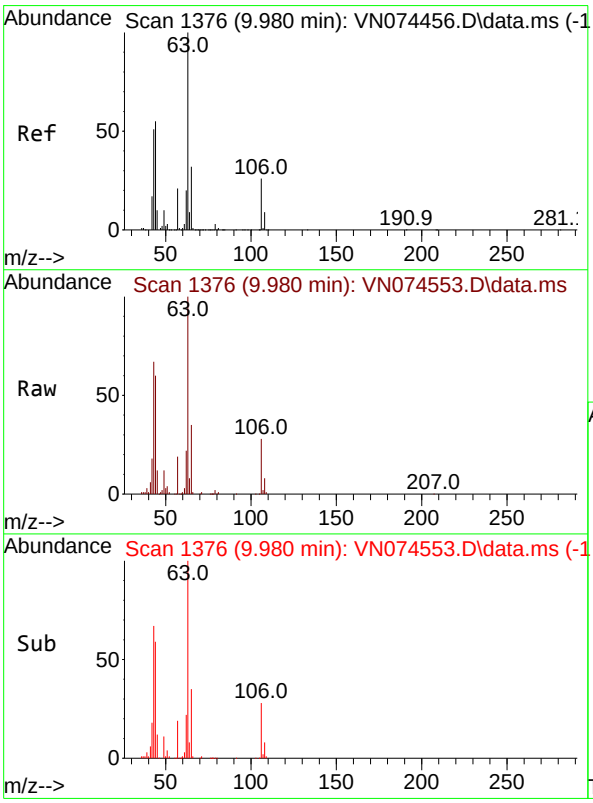
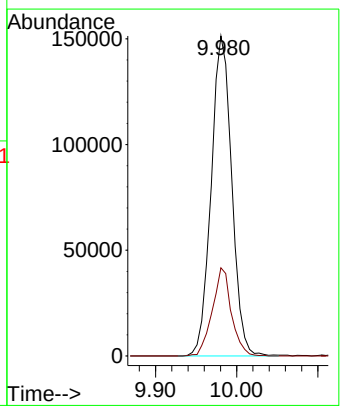
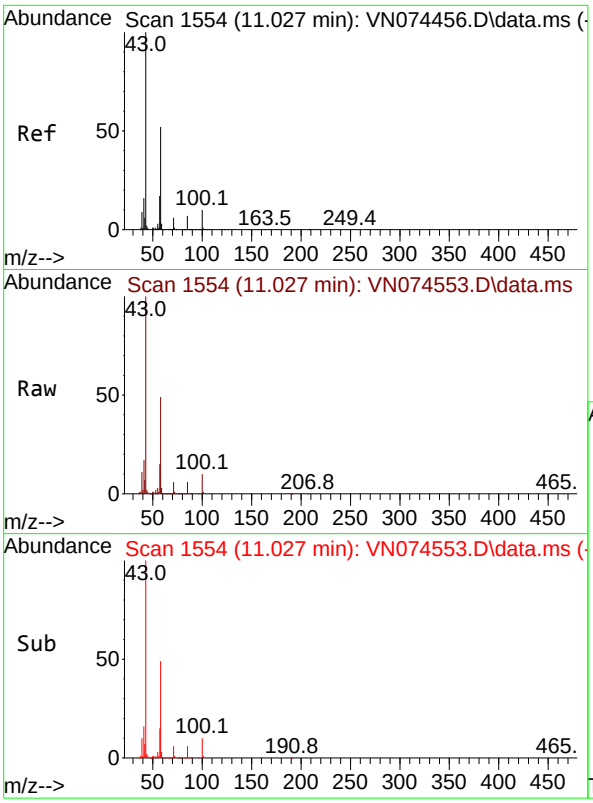


#58
2-Chloroethyl Vinyl ether
Concen: 91.877 ug/l
RT: 9.980 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VN074553.D
Acq: 17 Sep 2022 14:03

Tgt Ion: 63 Resp: 267060

Ion	Ratio	Lower	Upper
63	100		
106	25.5	24.6	36.8





#59
2-Hexanone
Concen: 112.611 ug/l
RT: 11.027 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074553.D
Acq: 17 Sep 2022 14:03

Tgt Ion: 43 Resp: 65372

Ion	Ratio	Lower	Upper
43	100		
58	49.2	29.7	89.1

Instrument :
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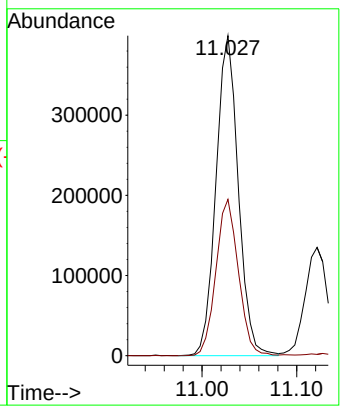
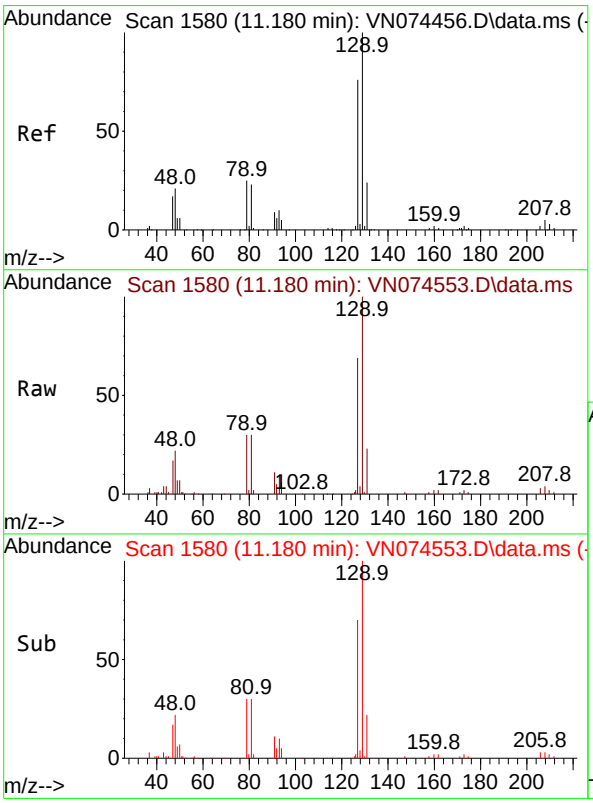
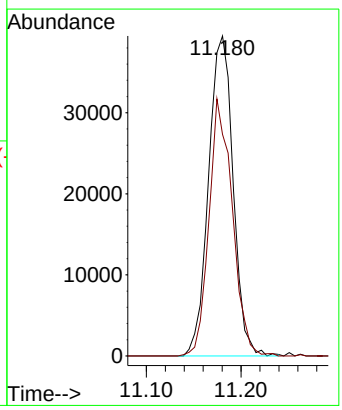


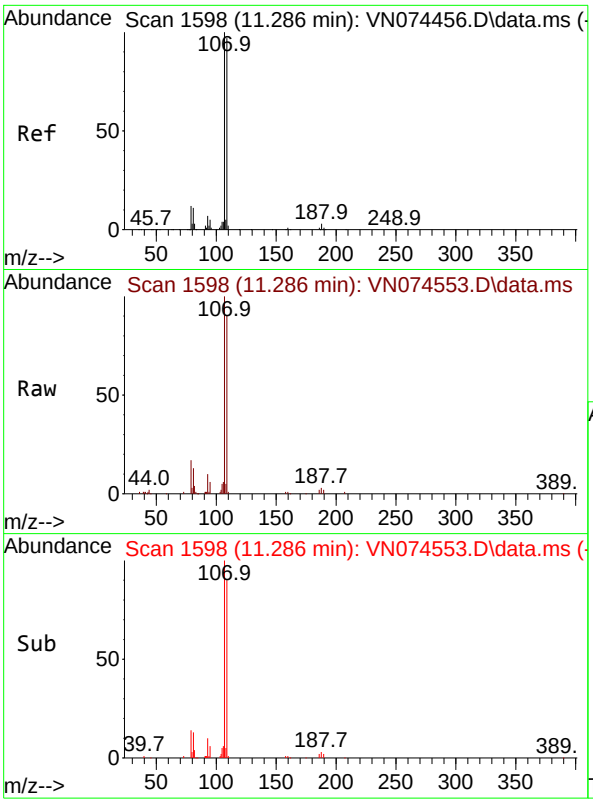


#60
Dibromochloromethane
Concen: 20.094 ug/l
RT: 11.180 min Scan# 1580
Delta R.T. 0.000 min
Lab File: VN074553.D
Acq: 17 Sep 2022 14:03

Tgt Ion:129 Resp: 71125

Ion	Ratio	Lower	Upper
129	100		
127	76.4	38.8	116.4





#61
1,2-Dibromoethane
Concen: 20.084 ug/l
RT: 11.286 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074553.D
Acq: 17 Sep 2022 14:03

Tgt Ion:107 Resp: 7214

Ion	Ratio	Lower	Upper
107	100		
109	92.9	75.0	112.6

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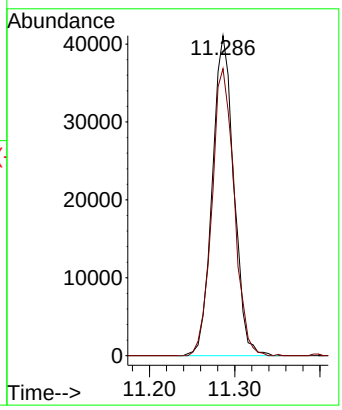
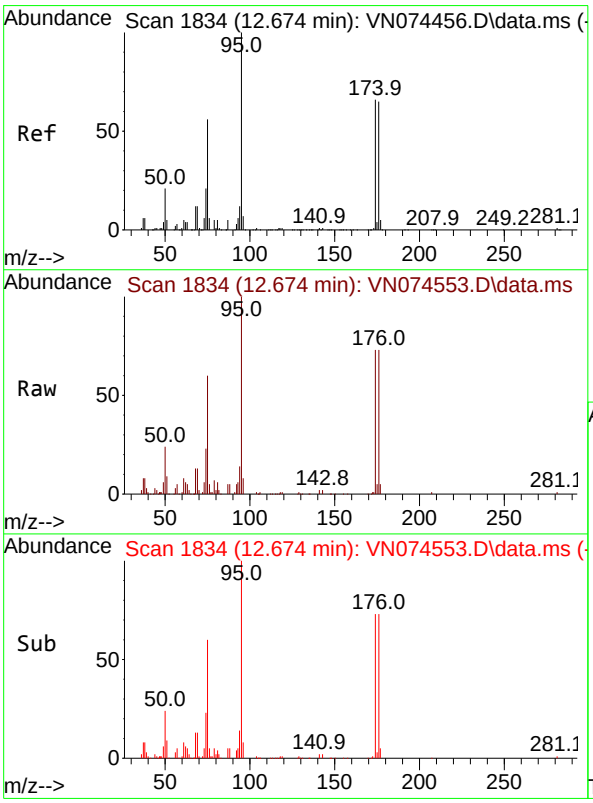
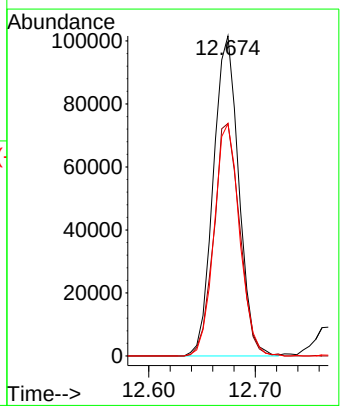


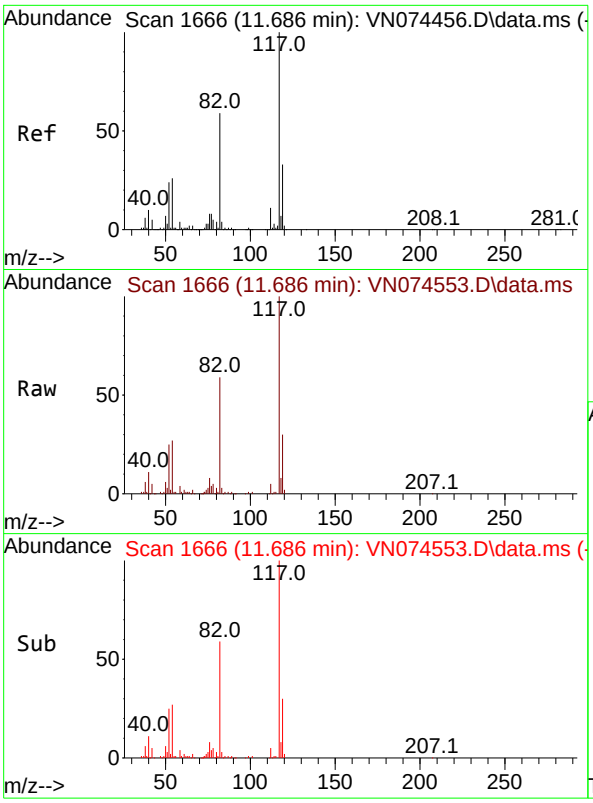


#62
4-Bromofluorobenzene
Concen: 46.633 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN074553.D
Acq: 17 Sep 2022 14:03

Tgt Ion: 95 Resp: 167990

Ion	Ratio	Lower	Upper
95	100		
174	74.0	0.0	167.6
176	72.7	0.0	163.4

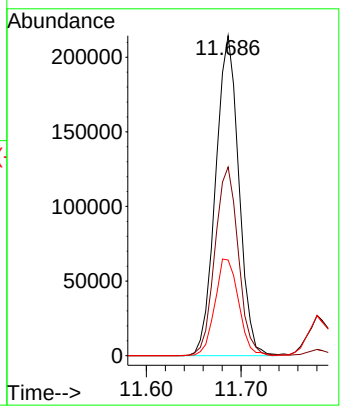




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VN074553.D
Acq: 17 Sep 2022 14:03

Tgt Ion:117 Resp: 36612(

Ion	Ratio	Lower	Upper
117	100		
82	59.0	44.2	66.2
119	29.9	25.4	38.0



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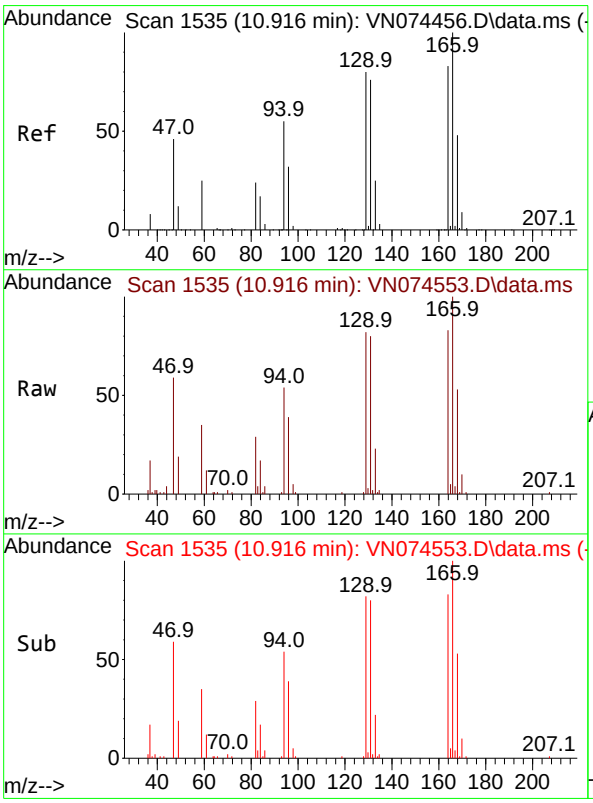
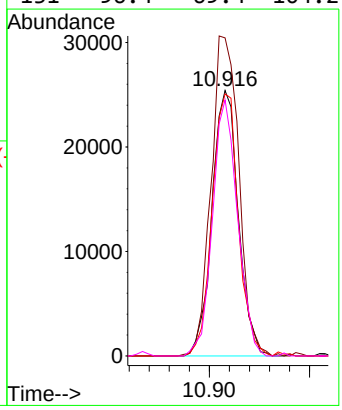
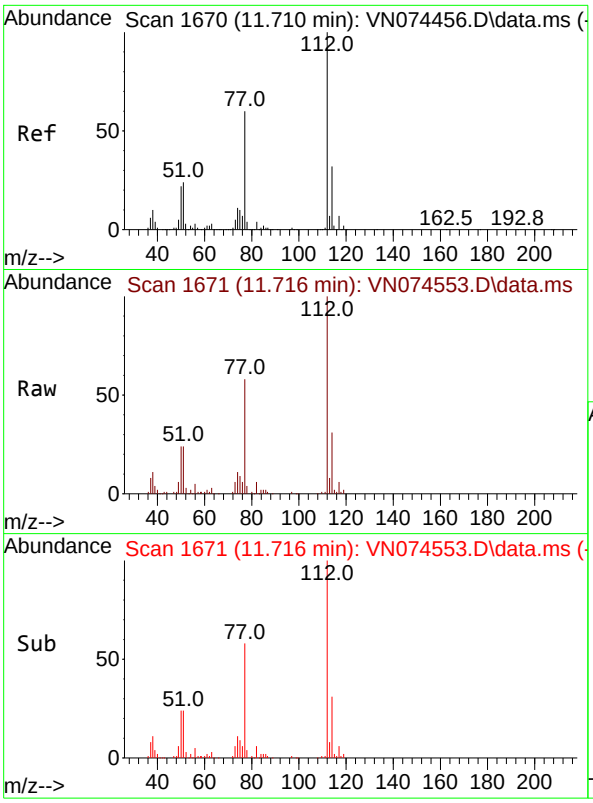


#64
Tetrachloroethene
Concen: 18.399 ug/l
RT: 10.916 min Scan# 1535
Delta R.T. -0.000 min
Lab File: VN074553.D
Acq: 17 Sep 2022 14:03

Tgt Ion:164 Resp: 46231

Ion	Ratio	Lower	Upper
164	100		
166	119.8	104.2	156.2
129	98.7	73.9	110.9
131	96.4	69.4	104.2





#65
Chlorobenzene
Concen: 19.331 ug/l
RT: 11.716 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN074553.D
Acq: 17 Sep 2022 14:03

Tgt Ion:112 Resp: 17767

Ion	Ratio	Lower	Upper
112	100		
114	30.8	25.4	38.2

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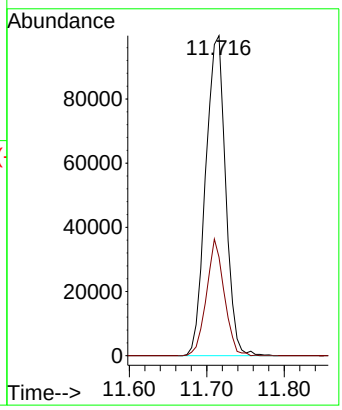
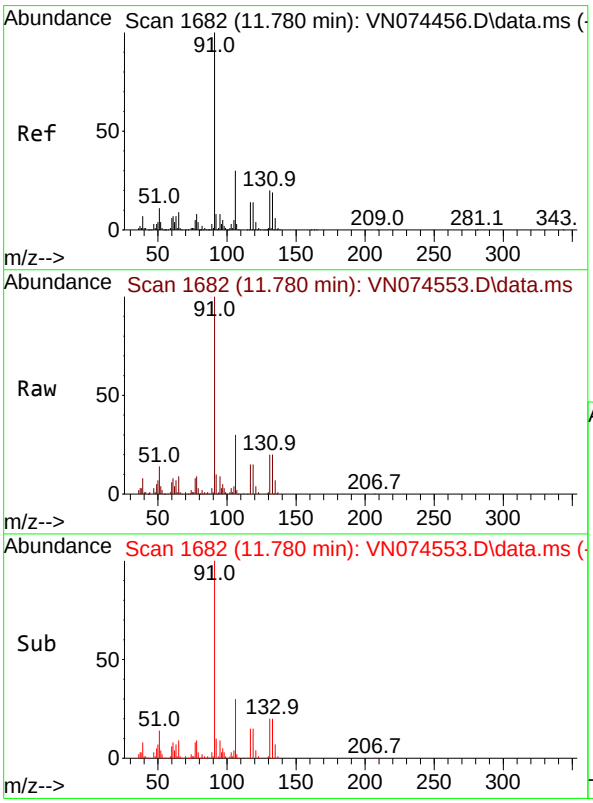
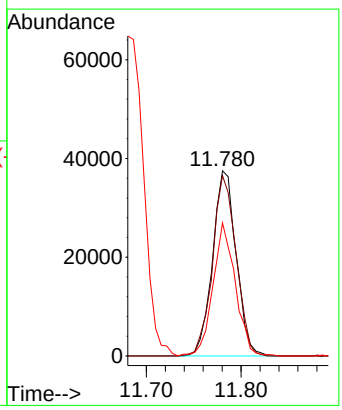


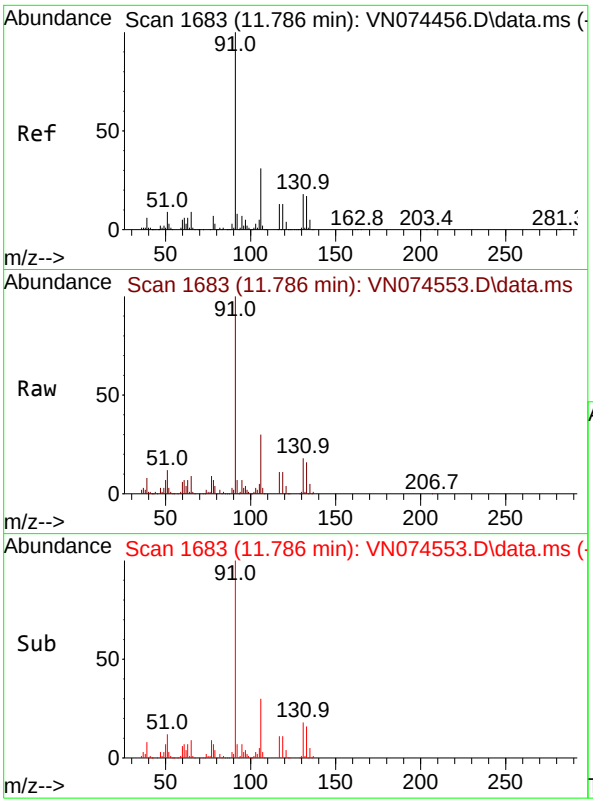


#66
1,1,1,2-Tetrachloroethane
Concen: 19.448 ug/l
RT: 11.780 min Scan# 1682
Delta R.T. 0.000 min
Lab File: VN074553.D
Acq: 17 Sep 2022 14:03

Tgt Ion:131 Resp: 64948

Ion	Ratio	Lower	Upper
131	100		
133	97.7	47.8	143.4
119	68.2	33.4	100.2

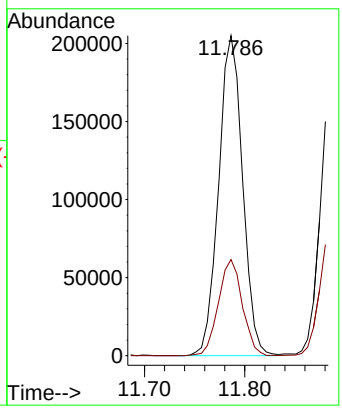




#67
Ethyl Benzene
Concen: 20.116 ug/l
RT: 11.786 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074553.D
Acq: 17 Sep 2022 14:03

Tgt Ion: 91 Resp: 33946

Ion	Ratio	Lower	Upper
91	100		
106	30.0	24.9	37.3



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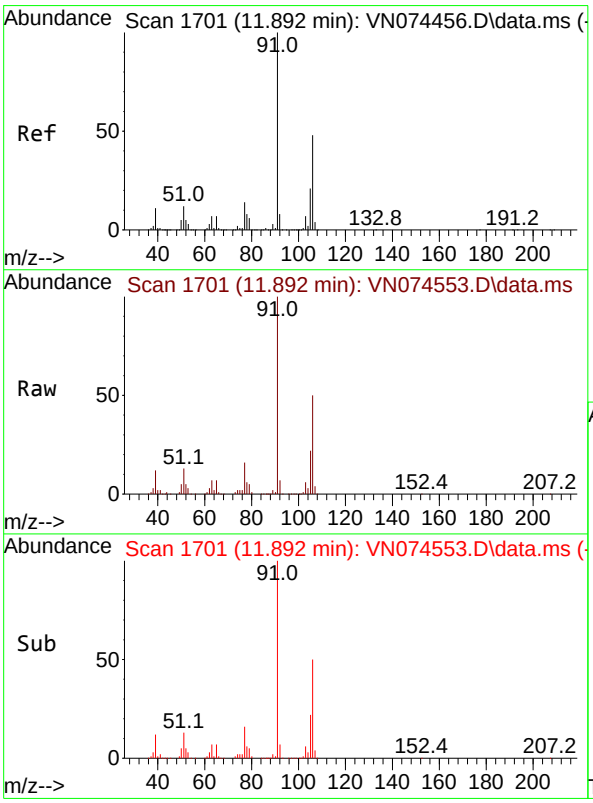
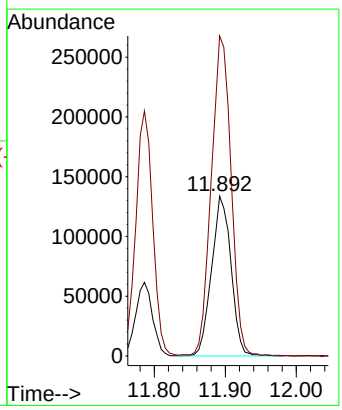
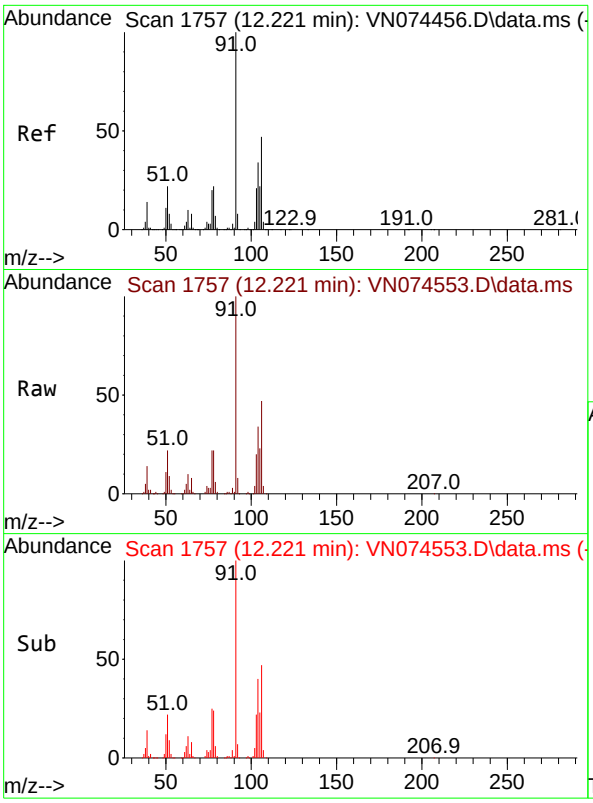


#68
m/p-Xylenes
Concen: 40.712 ug/l
RT: 11.892 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN074553.D
Acq: 17 Sep 2022 14:03

Tgt Ion:106 Resp: 254017

Ion	Ratio	Lower	Upper
106	100		
91	202.6	158.9	238.3





#69
o-Xylene
Concen: 19.818 ug/l
RT: 12.221 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074553.D
Acq: 17 Sep 2022 14:03

Tgt Ion:106 Resp: 12607

Ion	Ratio	Lower	Upper
106	100		
91	213.7	106.0	318.0

Instrument :
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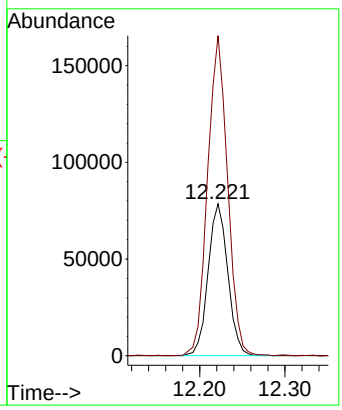
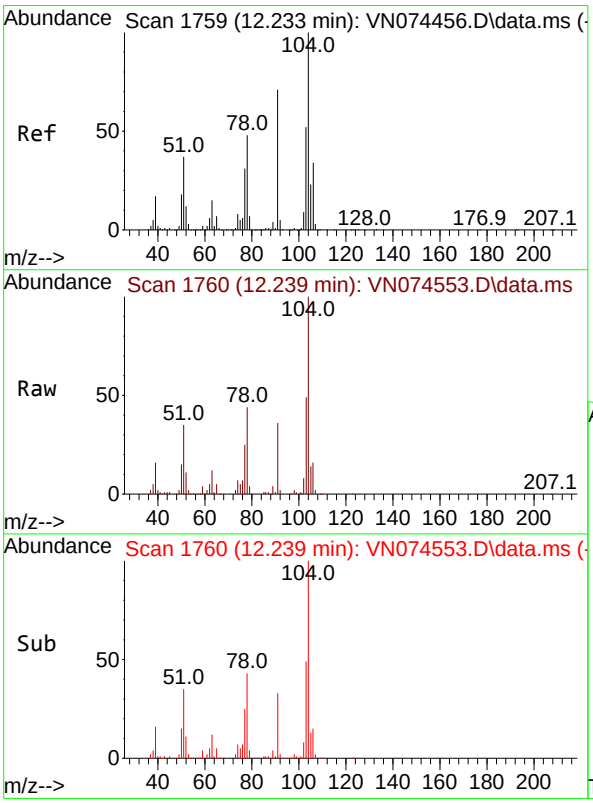
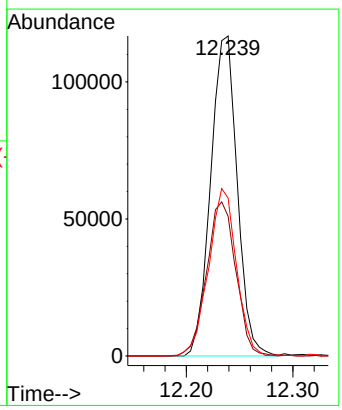


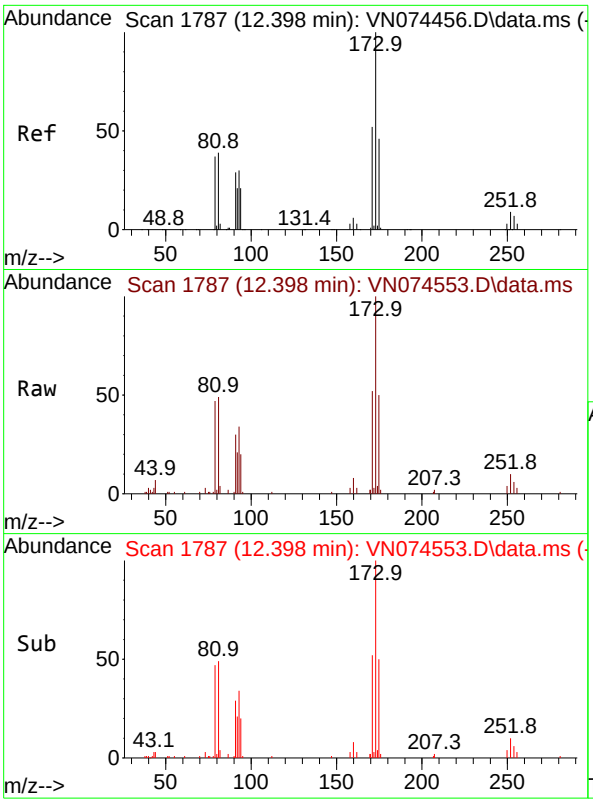


#70
Styrene
Concen: 19.107 ug/l
RT: 12.239 min Scan# 1760
Delta R.T. 0.006 min
Lab File: VN074553.D
Acq: 17 Sep 2022 14:03

Tgt Ion:104 Resp: 202198

Ion	Ratio	Lower	Upper
104	100		
78	53.0	39.5	59.3
103	54.9	44.0	66.0

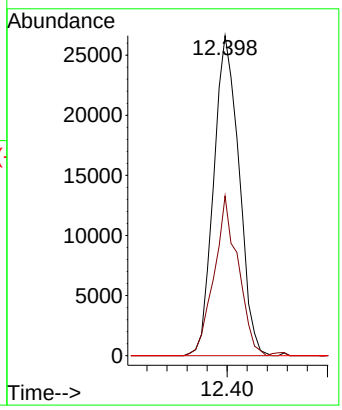




#71
Bromoform
Concen: 18.995 ug/l
RT: 12.398 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074553.D
Acq: 17 Sep 2022 14:03

Tgt Ion:173 Resp: 4662

Ion	Ratio	Lower	Upper
173	100		
175	47.4	24.6	73.6
254	0.0	0.1	0.1#



Instrument :
MSVOA_N
ClientSampleId :
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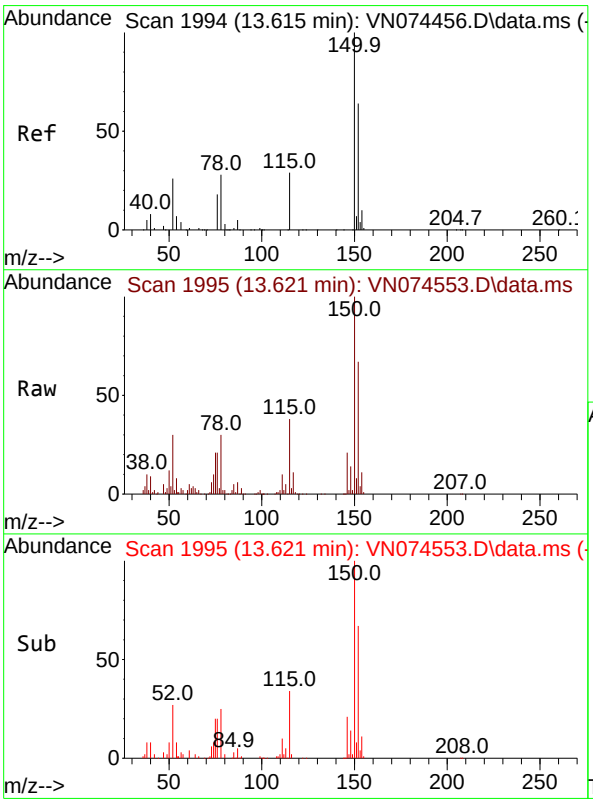
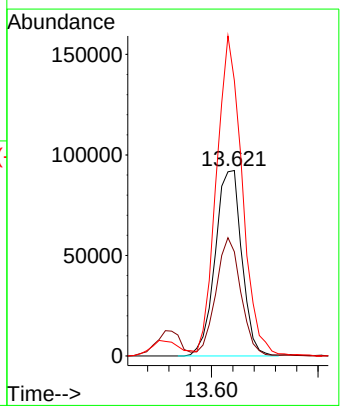
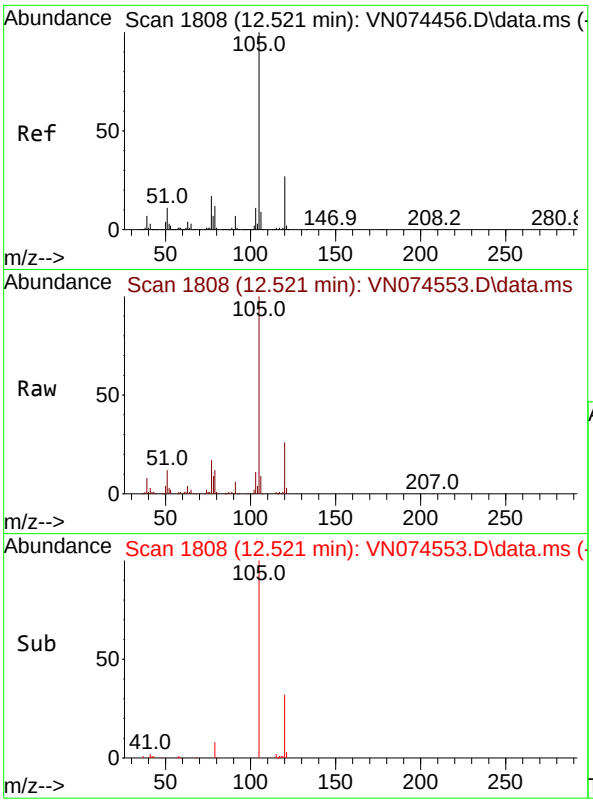


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.621 min Scan# 1995
Delta R.T. 0.006 min
Lab File: VN074553.D
Acq: 17 Sep 2022 14:03

Tgt Ion:152 Resp: 160006

Ion	Ratio	Lower	Upper
152	100		
115	60.6	28.9	86.7
150	167.6	0.0	356.2

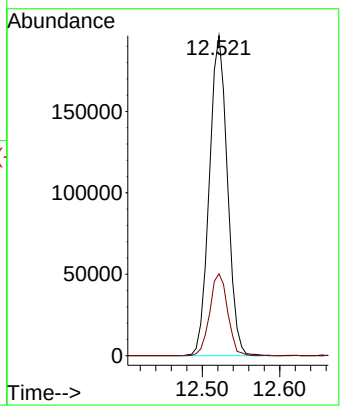




#73
Isopropylbenzene
Concen: 19.480 ug/l
RT: 12.521 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074553.D
Acq: 17 Sep 2022 14:03

Tgt Ion:105 Resp: 31914

Ion	Ratio	Lower	Upper
105	100		
120	25.3	13.5	40.4



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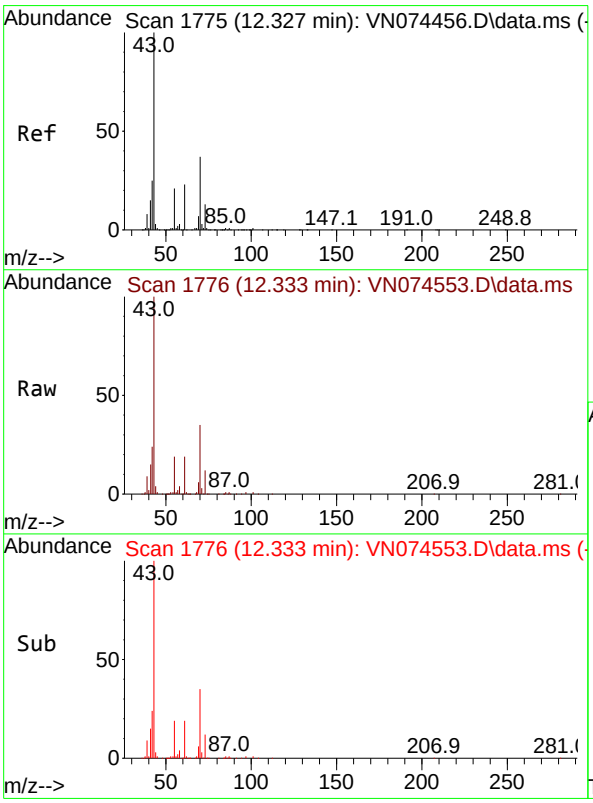
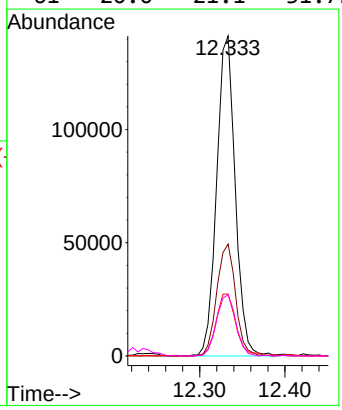
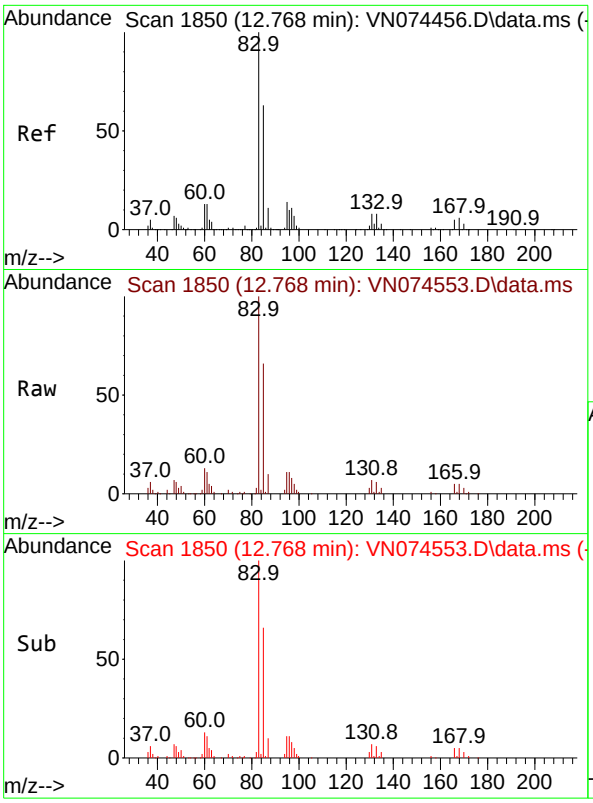


#74
N-amyl acetate
Concen: 20.900 ug/l
RT: 12.333 min Scan# 1776
Delta R.T. 0.006 min
Lab File: VN074553.D
Acq: 17 Sep 2022 14:03

Tgt Ion: 43 Resp: 214086

Ion	Ratio	Lower	Upper
43	100		
70	35.4	39.0	58.4#
55	20.7	21.1	31.7#
61	20.0	21.1	31.7#





#75
1,1,2,2-Tetrachloroethane
Concen: 20.474 ug/l
RT: 12.768 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074553.D
Acq: 17 Sep 2022 14:03

Tgt Ion: 83 Resp: 13442

Ion	Ratio	Lower	Upper
83	100		
131	8.0	5.3	15.9
85	64.3	32.3	96.9

Instrument :
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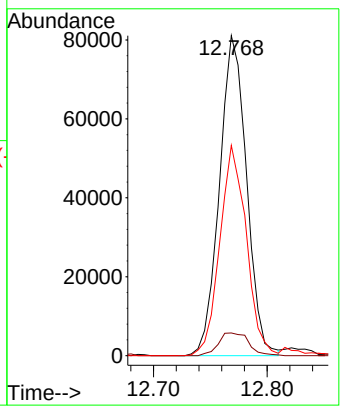
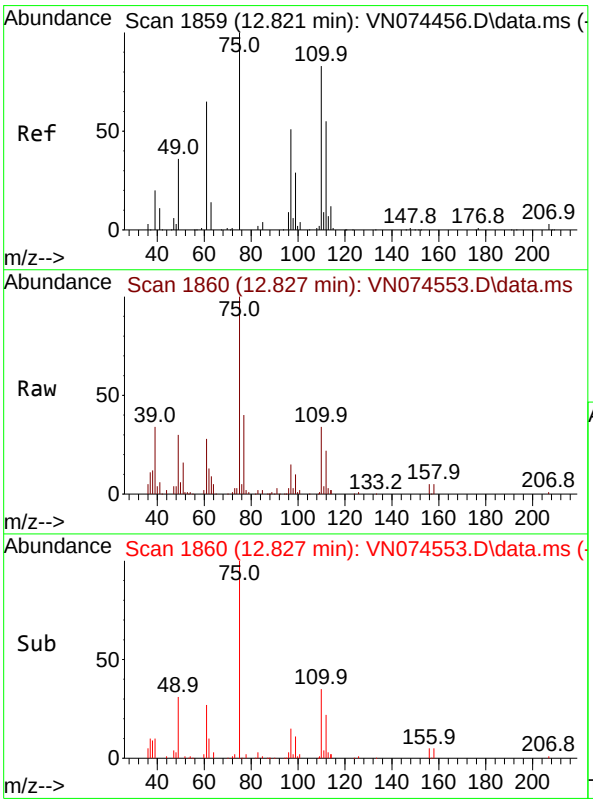
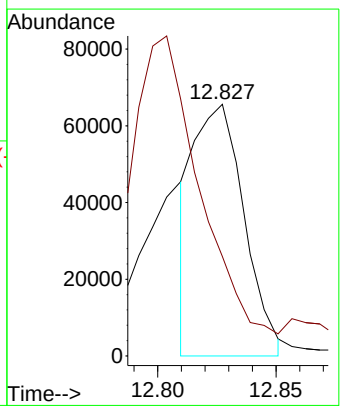


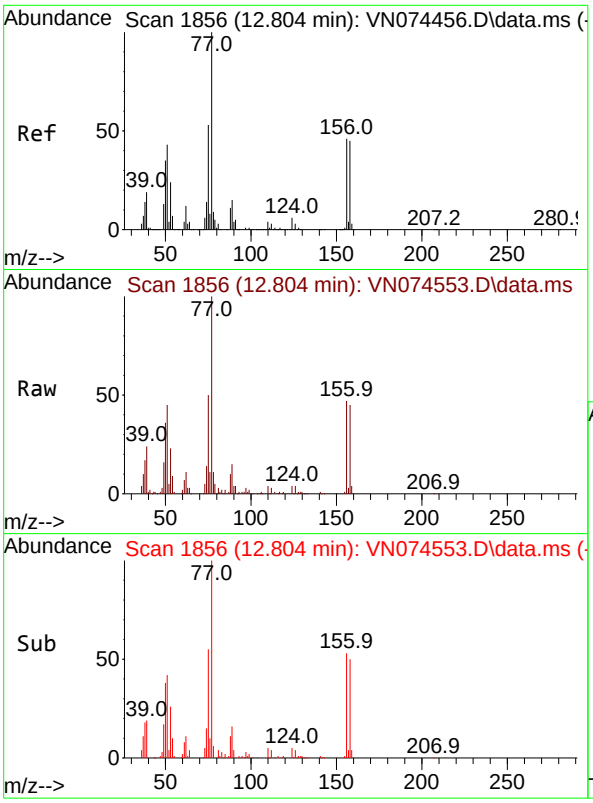


#76
1,2,3-Trichloropropane
Concen: 19.869 ug/l m
RT: 12.827 min Scan# 1860
Delta R.T. 0.006 min
Lab File: VN074553.D
Acq: 17 Sep 2022 14:03

Tgt Ion: 75 Resp: 97859

Ion	Ratio	Lower	Upper
75	100		
77	0.0	98.5	295.5#

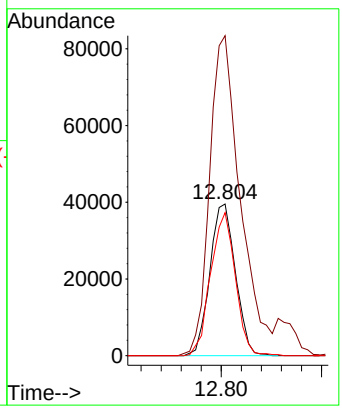




#77
Bromobenzene
Concen: 19.981 ug/l
RT: 12.804 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074553.D
Acq: 17 Sep 2022 14:03

Tgt Ion:156 Resp: 6993

Ion	Ratio	Lower	Upper
156	100		
77	252.7	100.5	301.5
158	91.5	48.9	146.6



Instrument :
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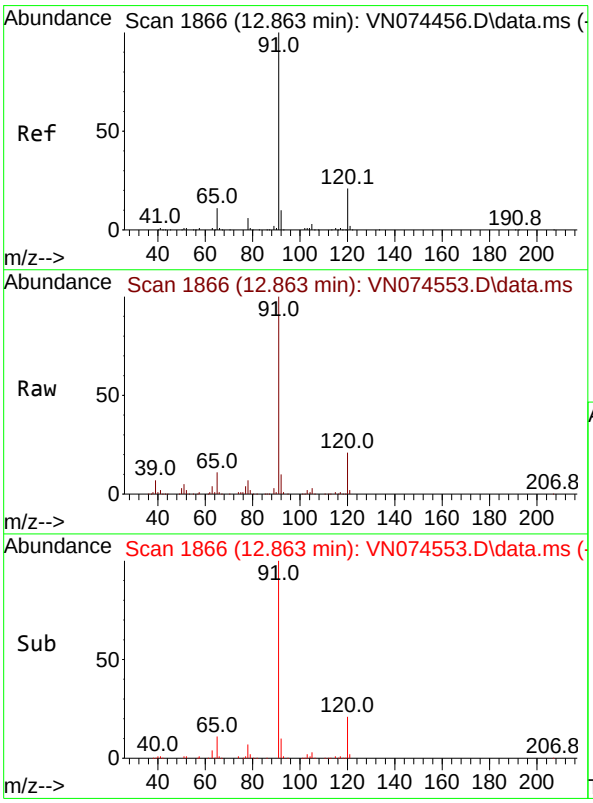
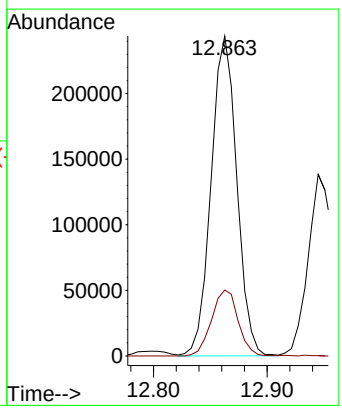
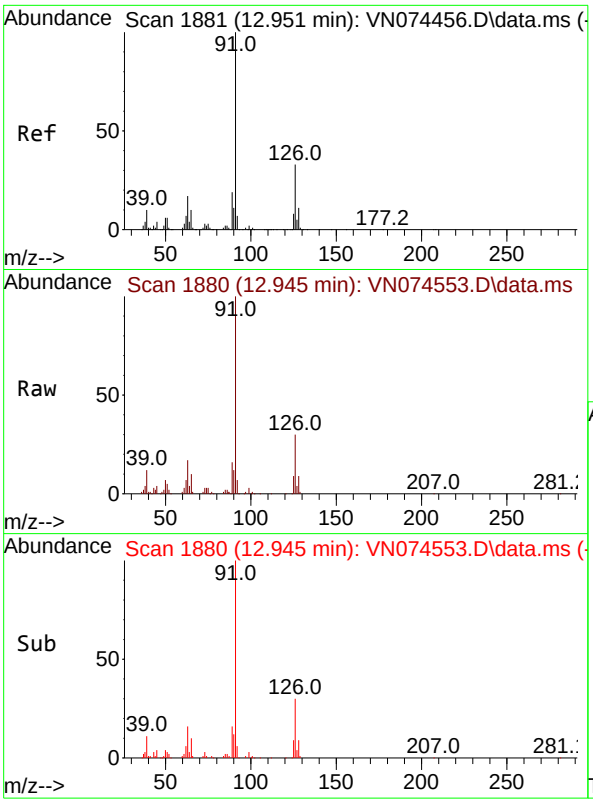


#78
n-propylbenzene
Concen: 19.646 ug/l
RT: 12.863 min Scan# 1866
Delta R.T. -0.000 min
Lab File: VN074553.D
Acq: 17 Sep 2022 14:03

Tgt Ion: 91 Resp: 383351

Ion	Ratio	Lower	Upper
91	100		
120	21.3	11.9	35.5

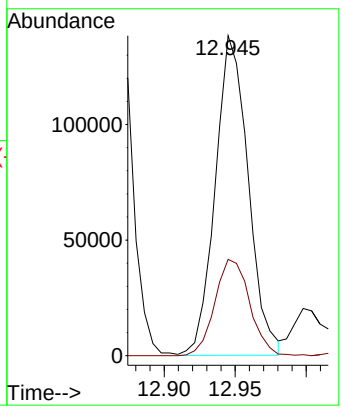




#79
2-Chlorotoluene
Concen: 19.120 ug/l
RT: 12.945 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN074553.D
Acq: 17 Sep 2022 14:03

Tgt Ion: 91 Resp: 22271

Ion	Ratio	Lower	Upper
91	100		
126	32.0	17.3	51.9



Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS02

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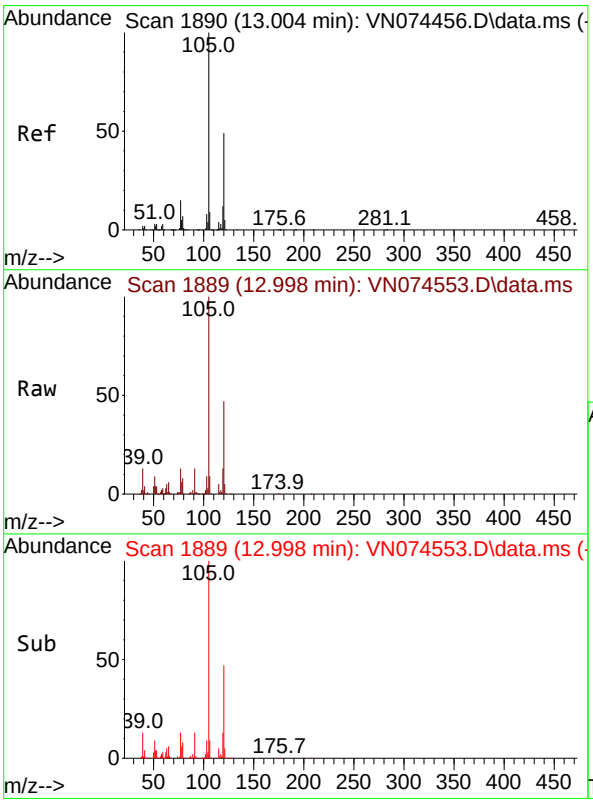
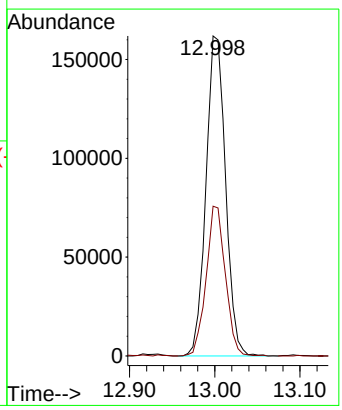
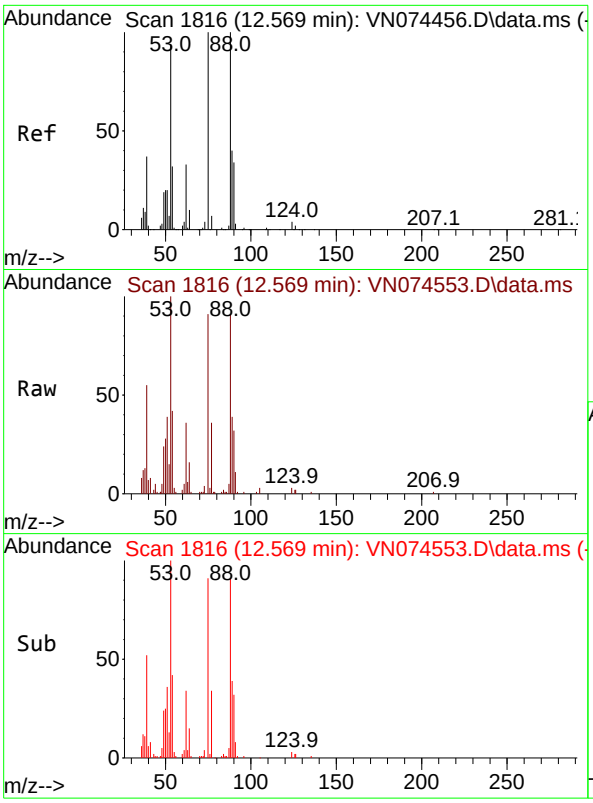


#80
1,3,5-Trimethylbenzene
Concen: 19.323 ug/l
RT: 12.998 min Scan# 1889
Delta R.T. -0.006 min
Lab File: VN074553.D
Acq: 17 Sep 2022 14:03

Tgt Ion:105 Resp: 258063

Ion	Ratio	Lower	Upper
105	100		
120	46.1	24.9	74.7





#81
trans-1,4-Dichloro-2-butene
Concen: 17.367 ug/l
RT: 12.569 min Scan# 1
Delta R.T. -0.001 min
Lab File: VN074553.D
Acq: 17 Sep 2022 14:03

Tgt Ion: 75 Resp: 3962

Ion	Ratio	Lower	Upper
75	100		
53	102.9	78.0	117.0
89	41.9	37.2	55.8

Instrument :
MSVOA_N
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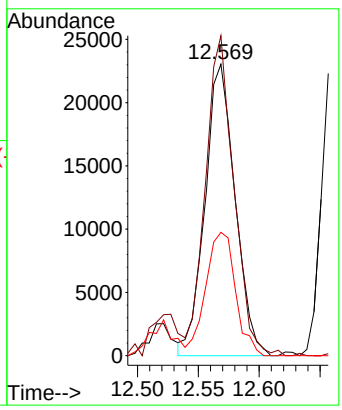
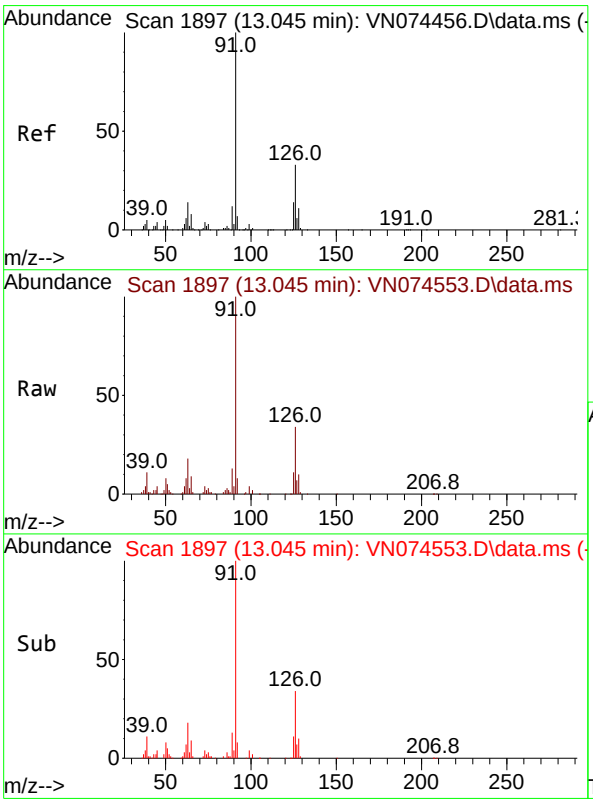
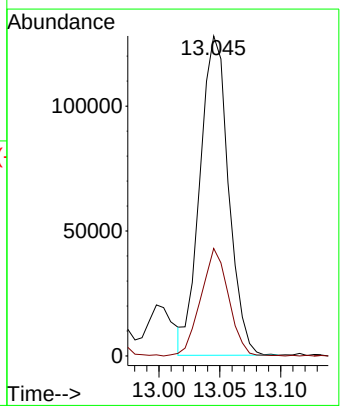


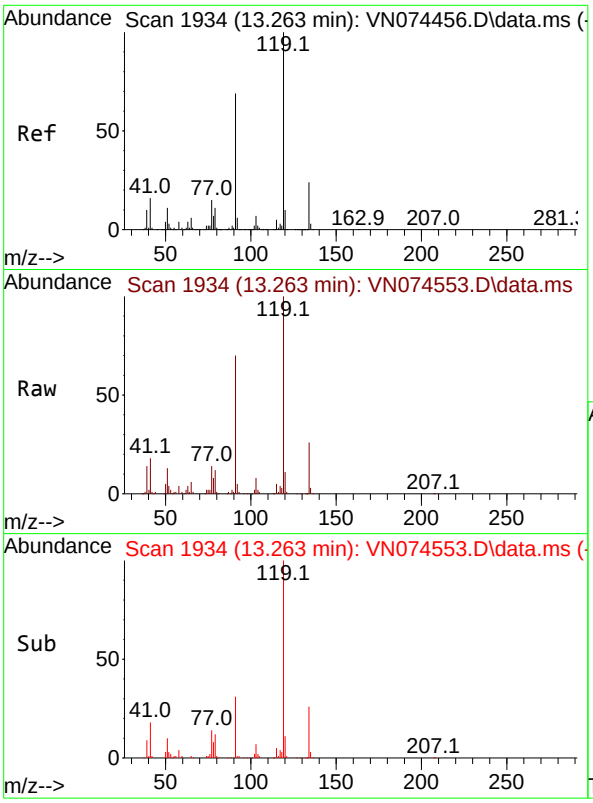


#82
4-Chlorotoluene
Concen: 18.838 ug/l
RT: 13.045 min Scan# 1897
Delta R.T. -0.000 min
Lab File: VN074553.D
Acq: 17 Sep 2022 14:03

Tgt Ion: 91 Resp: 208574

Ion	Ratio	Lower	Upper
91	100		
126	32.8	17.2	51.6





#83
tert-Butylbenzene
Concen: 18.966 ug/l
RT: 13.263 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074553.D
Acq: 17 Sep 2022 14:03

Tgt Ion:119 Resp: 23052

Ion	Ratio	Lower	Upper
119	100		
91	64.6	31.6	94.8
134	27.5	13.7	41.1

Instrument :
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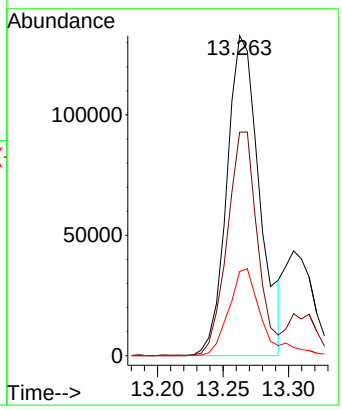
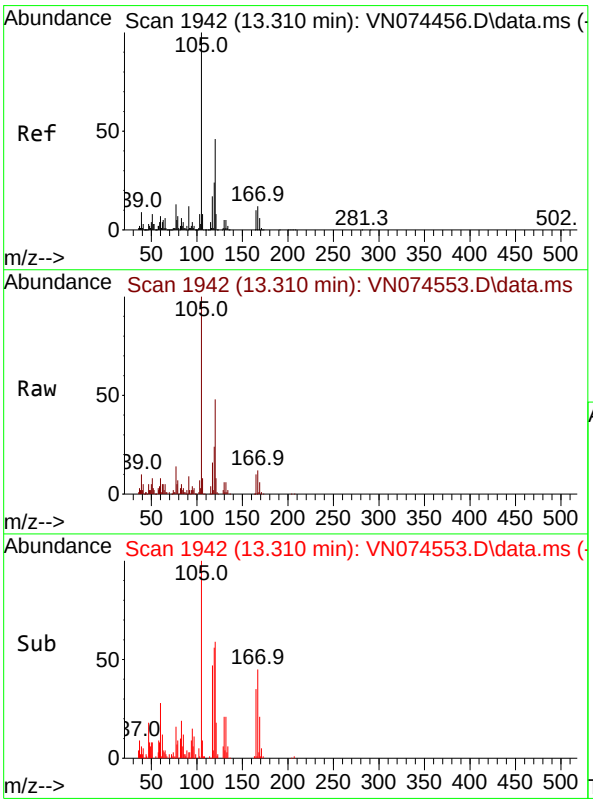
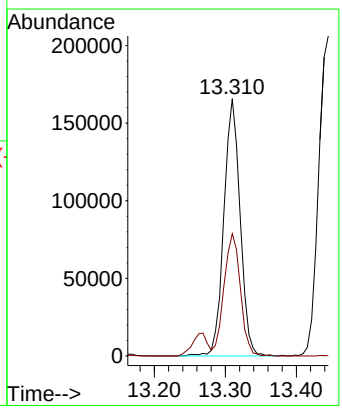


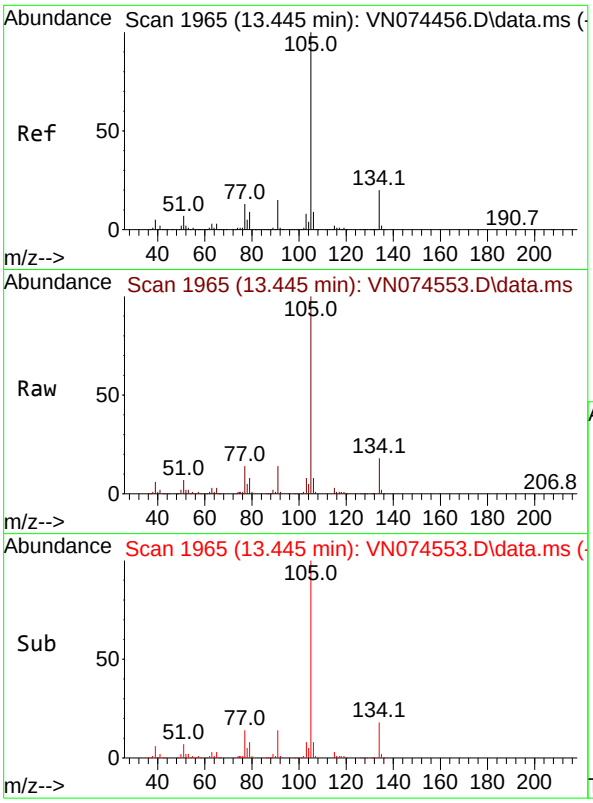


#84
1,2,4-Trimethylbenzene
Concen: 19.572 ug/l
RT: 13.310 min Scan# 1942
Delta R.T. -0.000 min
Lab File: VN074553.D
Acq: 17 Sep 2022 14:03

Tgt Ion:105 Resp: 263050

Ion	Ratio	Lower	Upper
105	100		
120	47.9	23.3	69.8

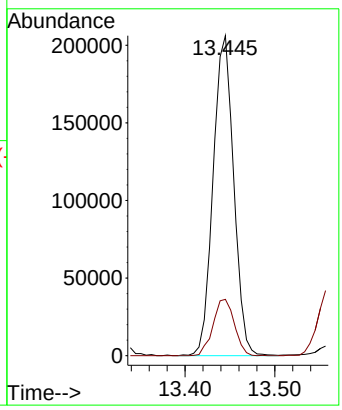




#85
sec-Butylbenzene
Concen: 19.692 ug/l
RT: 13.445 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074553.D
Acq: 17 Sep 2022 14:03

Tgt Ion:105 Resp: 32864

Ion	Ratio	Lower	Upper
105	100		
134	18.2	10.4	31.1



Instrument :
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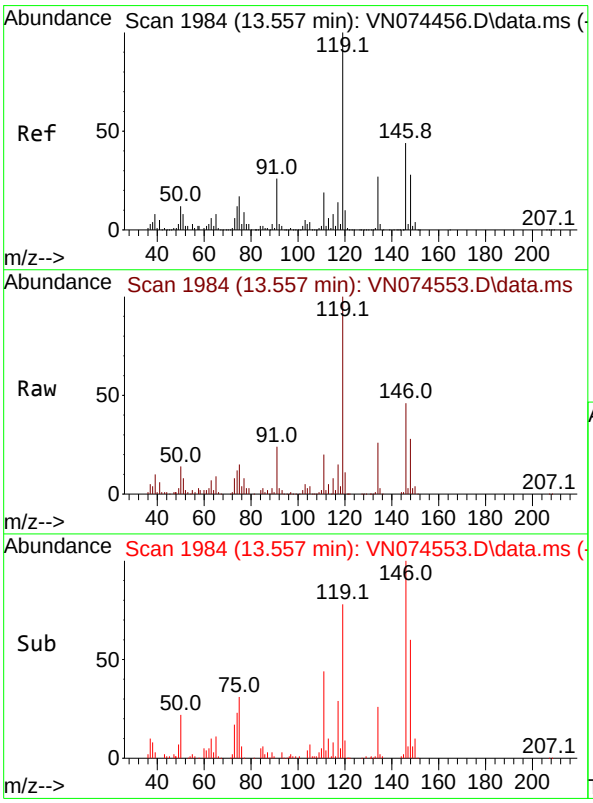
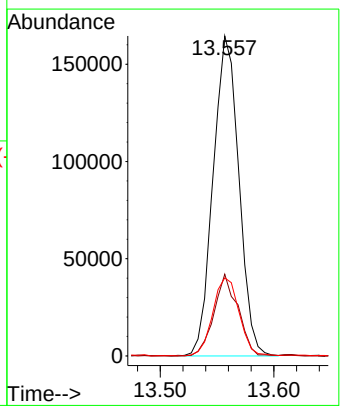
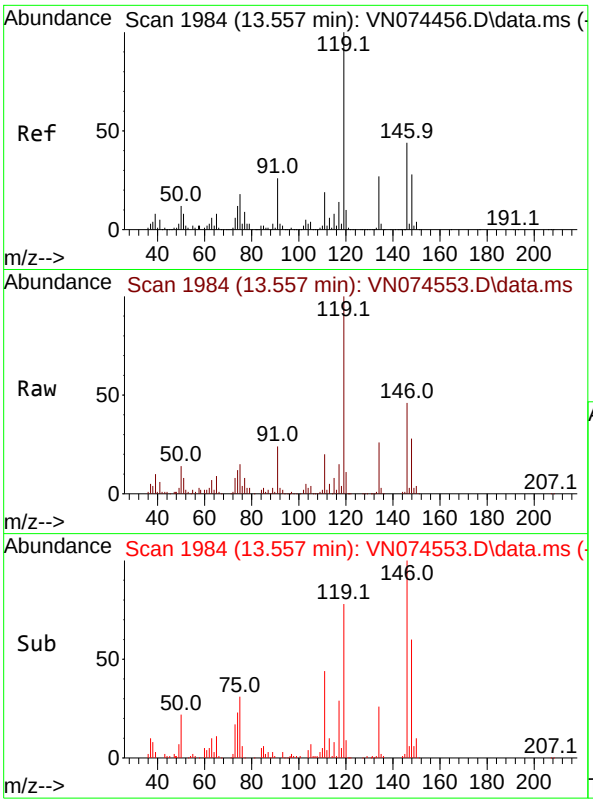


#86
p-Isopropyltoluene
Concen: 19.937 ug/l
RT: 13.557 min Scan# 1984
Delta R.T. -0.000 min
Lab File: VN074553.D
Acq: 17 Sep 2022 14:03

Tgt Ion:119 Resp: 259395

Ion	Ratio	Lower	Upper
119	100		
134	24.0	13.3	39.8
91	25.0	11.3	33.9

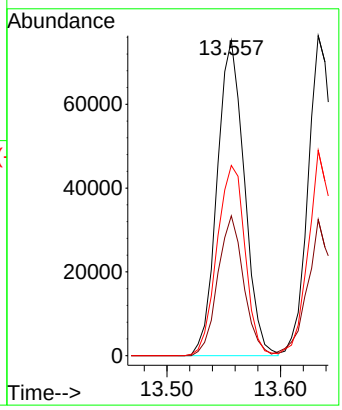




#87
1,3-Dichlorobenzene
Concen: 19.481 ug/l
RT: 13.557 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074553.D
Acq: 17 Sep 2022 14:03

Tgt Ion:146 Resp: 12528

Ion	Ratio	Lower	Upper
146	100		
111	42.2	20.0	60.0
148	62.3	32.0	96.0



Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS02

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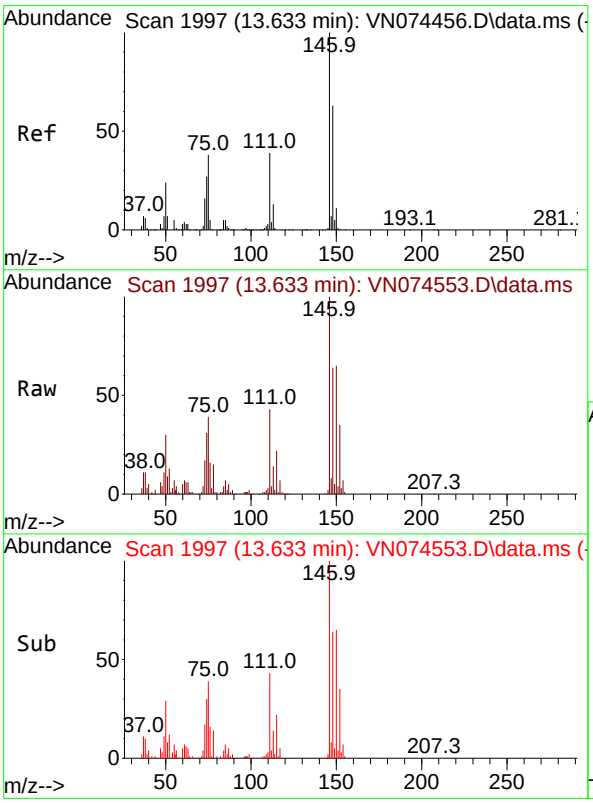
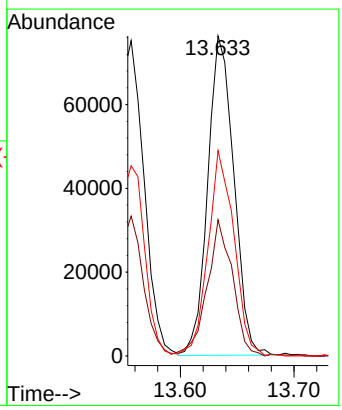
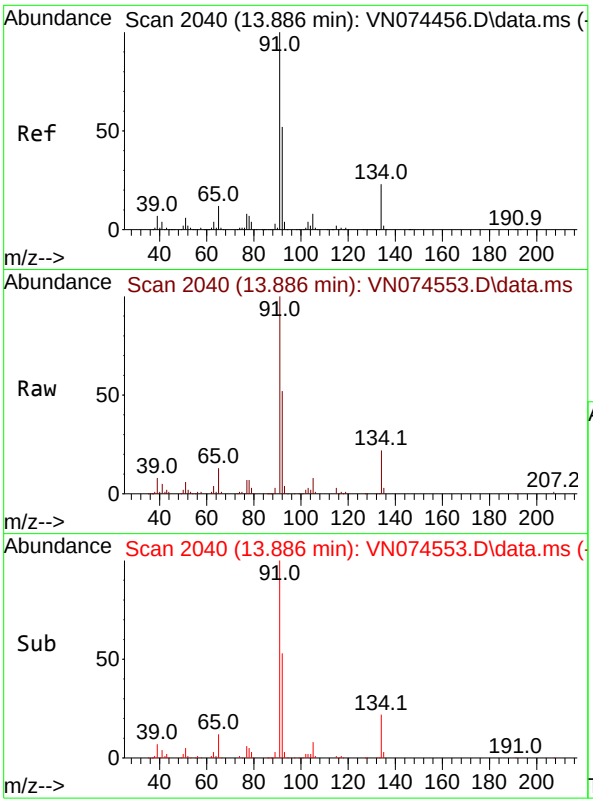


#88
1,4-Dichlorobenzene
Concen: 18.848 ug/l
RT: 13.633 min Scan# 1997
Delta R.T. 0.000 min
Lab File: VN074553.D
Acq: 17 Sep 2022 14:03

Tgt Ion:146 Resp: 121828

Ion	Ratio	Lower	Upper
146	100		
111	41.3	19.1	57.1
148	64.2	31.4	94.3

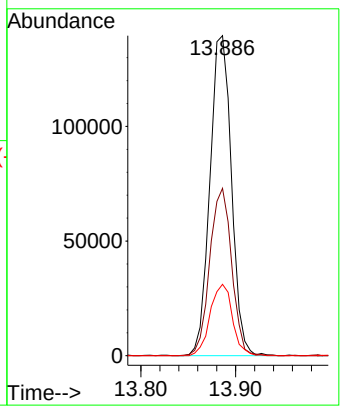




#89
n-Butylbenzene
Concen: 18.761 ug/l
RT: 13.886 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN074553.D
Acq: 17 Sep 2022 14:03

Tgt Ion: 91 Resp: 22002

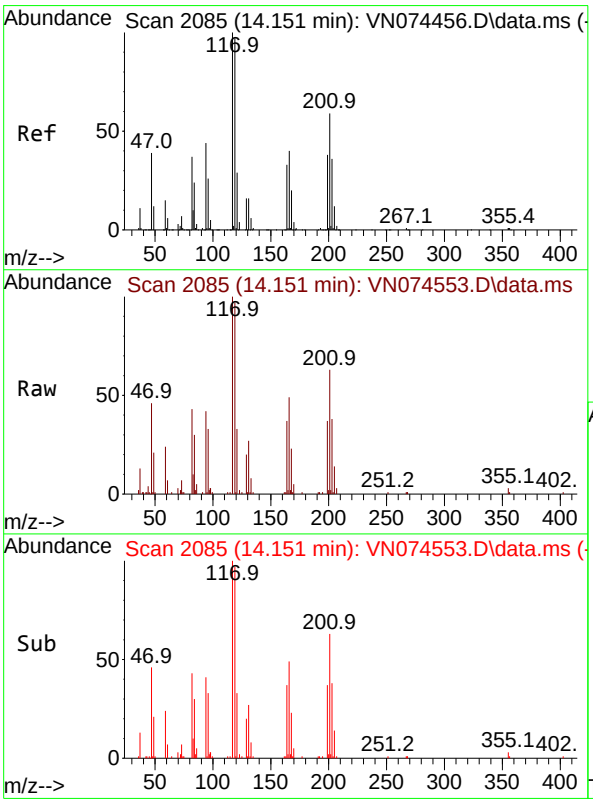
Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.9	80.7
134	23.1	13.6	40.8



Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS02

Manual Integrations
APPROVED

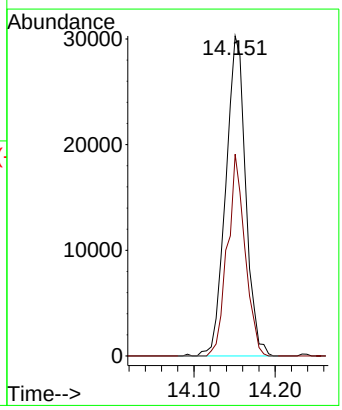
Reviewed By :John Carlone 09/19/2022
Supervised By :Mahesh Dadoda 09/19/2022

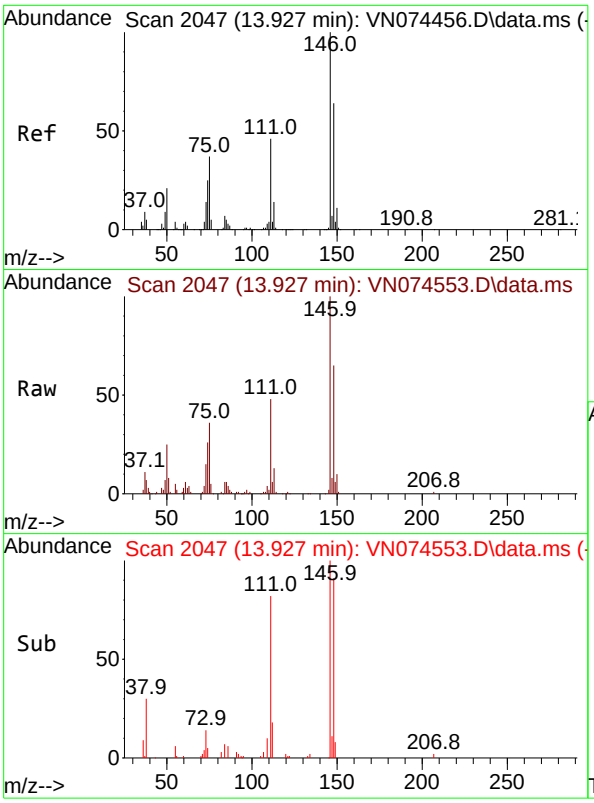


#90
Hexachloroethane
Concen: 18.229 ug/l
RT: 14.151 min Scan# 2085
Delta R.T. -0.000 min
Lab File: VN074553.D
Acq: 17 Sep 2022 14:03

Tgt Ion:117 Resp: 51606

Ion	Ratio	Lower	Upper
117	100		
201	55.8	40.6	122.0

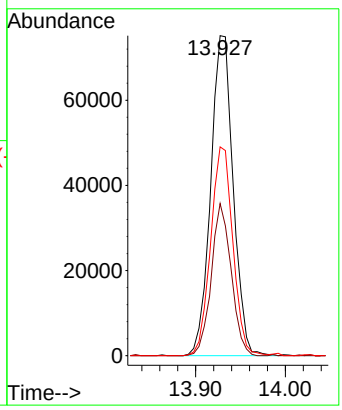




#91
1,2-Dichlorobenzene
Concen: 19.588 ug/l
RT: 13.927 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN074553.D
Acq: 17 Sep 2022 14:03

Tgt Ion:146 Resp: 13069

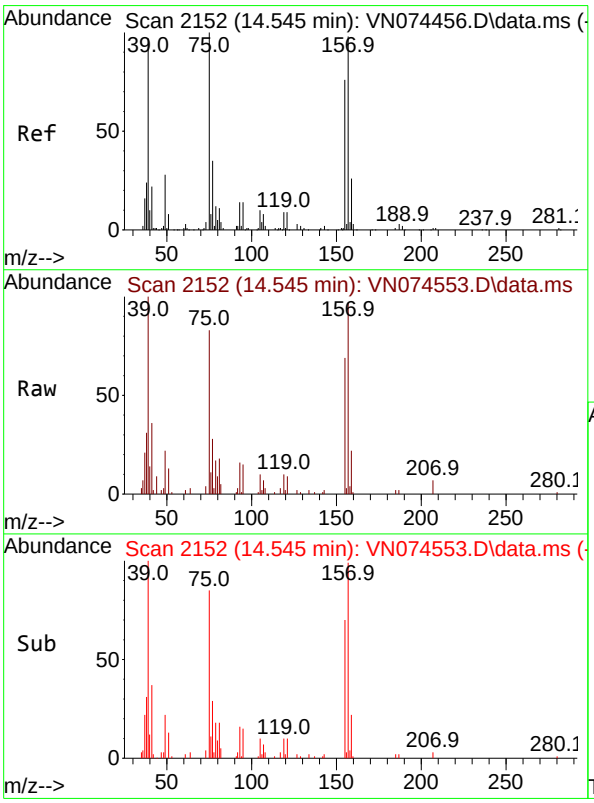
Ion	Ratio	Lower	Upper
146	100		
111	42.1	20.9	62.8
148	64.5	32.1	96.3



Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS02

Manual Integrations APPROVED

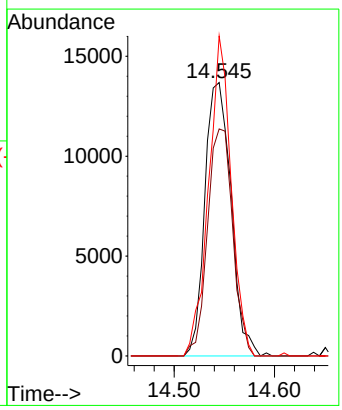
Reviewed By :John Carlone 09/19/2022
Supervised By :Mahesh Dadoda 09/19/2022

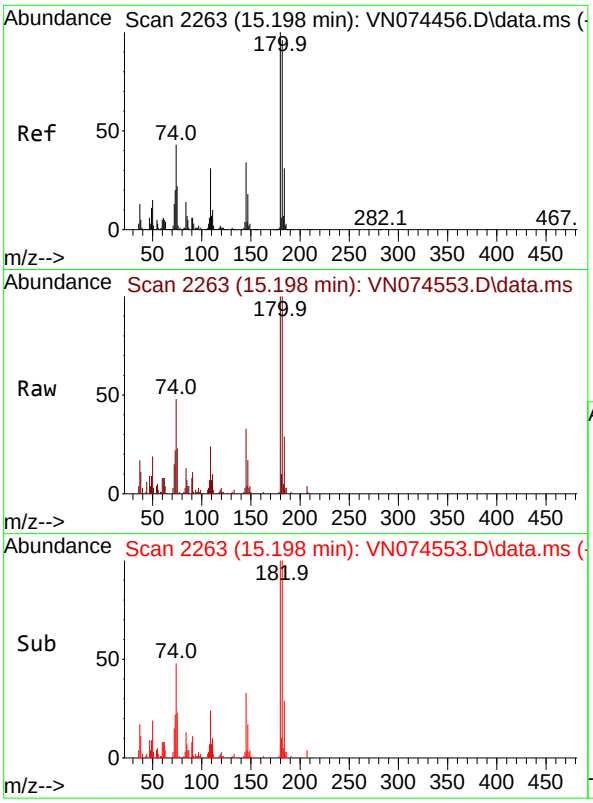


#92
1,2-Dibromo-3-Chloropropane
Concen: 17.153 ug/l
RT: 14.545 min Scan# 2152
Delta R.T. -0.000 min
Lab File: VN074553.D
Acq: 17 Sep 2022 14:03

Tgt Ion: 75 Resp: 24868

Ion	Ratio	Lower	Upper
75	100		
155	80.0	44.9	134.5
157	100.9	59.0	176.8

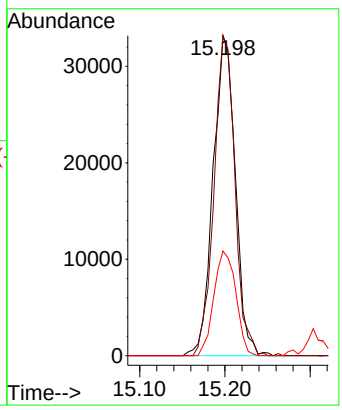




#93
1,2,4-Trichlorobenzene
Concen: 18.880 ug/l
RT: 15.198 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN074553.D
Acq: 17 Sep 2022 14:03

Tgt Ion:180 Resp: 6001

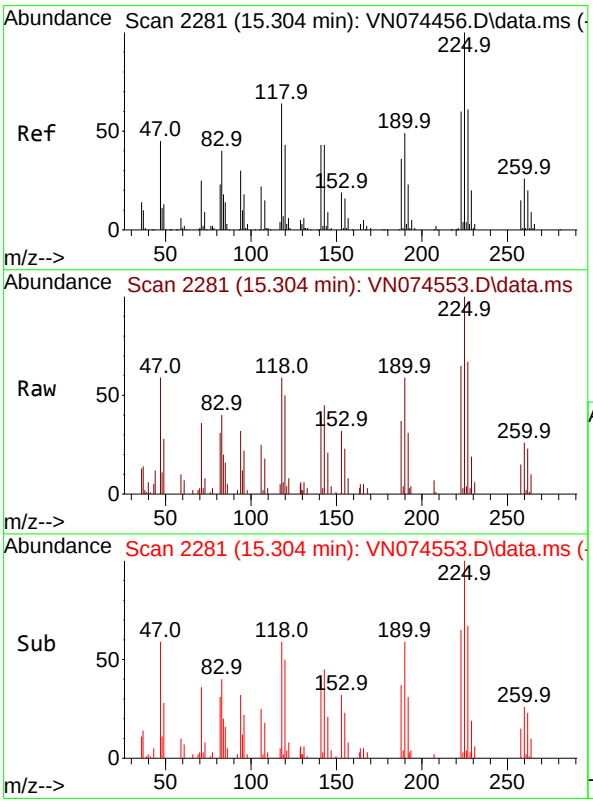
Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.5	142.5
145	32.5	14.5	43.5



Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS02

Manual Integrations APPROVED

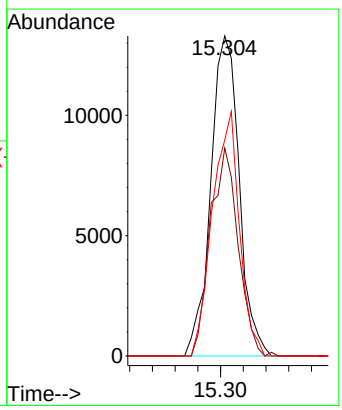
Reviewed By :John Carlone 09/19/2022
Supervised By :Mahesh Dadoda 09/19/2022

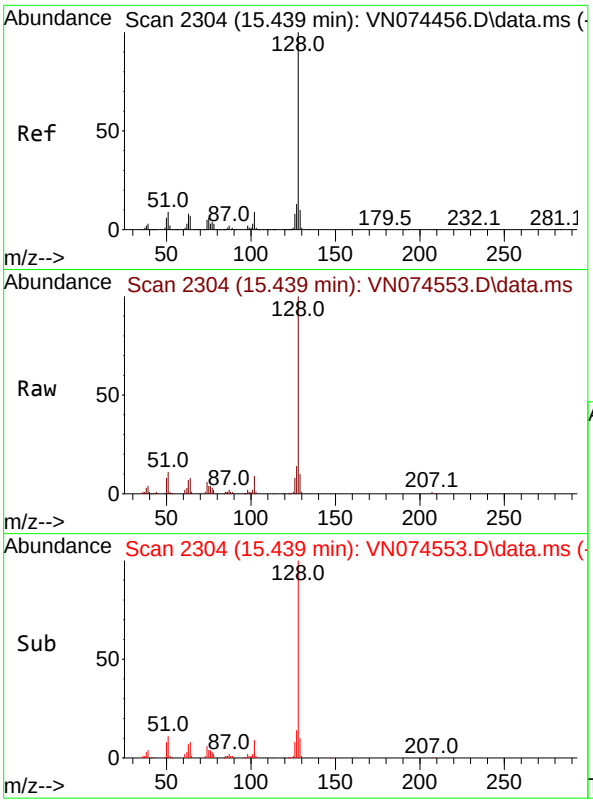


#94
Hexachlorobutadiene
Concen: 16.542 ug/l
RT: 15.304 min Scan# 2281
Delta R.T. -0.000 min
Lab File: VN074553.D
Acq: 17 Sep 2022 14:03

Tgt Ion:225 Resp: 23109

Ion	Ratio	Lower	Upper
225	100		
223	63.8	32.4	97.2
227	72.3	31.8	95.4

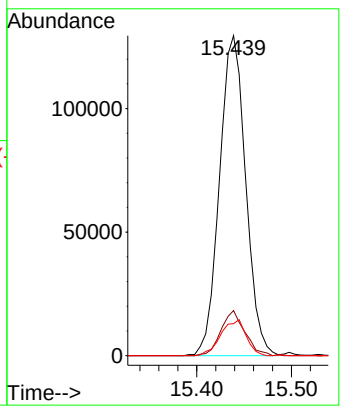




#95
Naphthalene
Concen: 19.184 ug/l
RT: 15.439 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN074553.D
Acq: 17 Sep 2022 14:03

Tgt Ion:128 Resp: 24888

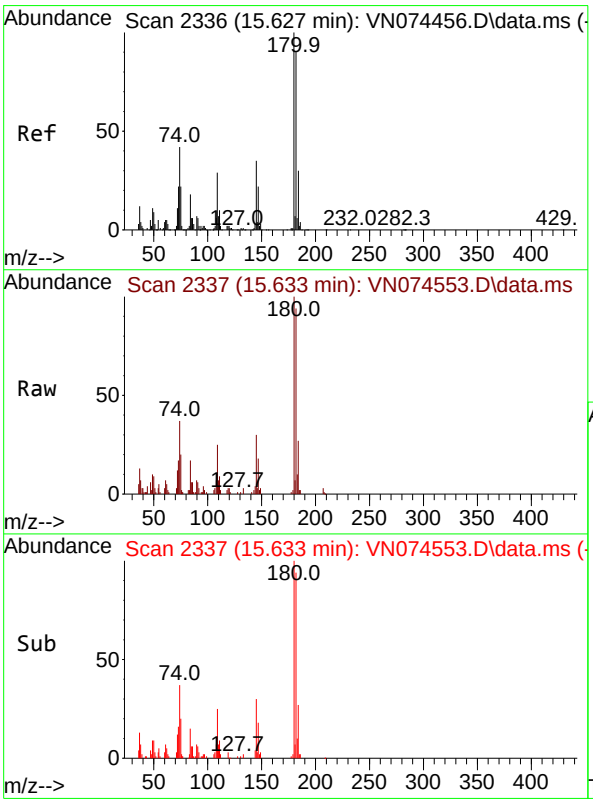
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	10.9	8.6	13.0



Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS02

Manual Integrations
APPROVED

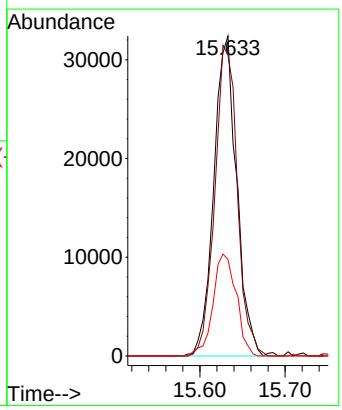
Reviewed By :John Carlone 09/19/2022
Supervised By :Mahesh Dadoda 09/19/2022



#96
1,2,3-Trichlorobenzene
Concen: 19.259 ug/l
RT: 15.633 min Scan# 2337
Delta R.T. 0.006 min
Lab File: VN074553.D
Acq: 17 Sep 2022 14:03

Tgt Ion:180 Resp: 60657

Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.8	143.3
145	32.4	15.5	46.5



CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrews St. Site	Date Received:	
Client Sample ID:	VN0919WBS01	SDG No.:	N4647
Lab Sample ID:	VN0919WBS01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN074580.D	1		09/19/22 12:48	VN091922

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	16.9		0.17	1.00	ug/L
74-87-3	Chloromethane	23.4		0.20	1.00	ug/L
75-01-4	Vinyl Chloride	25.1		0.22	1.00	ug/L
74-83-9	Bromomethane	34.7		1.60	5.00	ug/L
75-00-3	Chloroethane	32.9		0.26	1.00	ug/L
75-69-4	Trichlorofluoromethane	17.9		0.20	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	20.0		0.17	1.00	ug/L
75-35-4	1,1-Dichloroethene	20.0		0.23	1.00	ug/L
67-64-1	Acetone	110		1.20	5.00	ug/L
75-15-0	Carbon Disulfide	17.5		0.26	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	20.3		0.18	1.00	ug/L
79-20-9	Methyl Acetate	22.7		0.53	1.00	ug/L
75-09-2	Methylene Chloride	21.3		0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	19.5		0.20	1.00	ug/L
75-34-3	1,1-Dichloroethane	20.2		0.20	1.00	ug/L
110-82-7	Cyclohexane	19.3		1.20	5.00	ug/L
78-93-3	2-Butanone	120		0.82	5.00	ug/L
56-23-5	Carbon Tetrachloride	18.5		0.18	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	18.4		0.17	1.00	ug/L
74-97-5	Bromochloromethane	20.6		0.19	1.00	ug/L
67-66-3	Chloroform	20.4		0.18	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	18.4		0.18	1.00	ug/L
108-87-2	Methylcyclohexane	18.7		0.13	1.00	ug/L
71-43-2	Benzene	20.3		0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	21.0		0.18	1.00	ug/L
79-01-6	Trichloroethene	18.8		0.27	1.00	ug/L
78-87-5	1,2-Dichloropropane	20.5		0.17	1.00	ug/L
75-27-4	Bromodichloromethane	21.9		0.18	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	120		0.87	5.00	ug/L
108-88-3	Toluene	20.9		0.17	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	20.0		0.14	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.1		0.16	1.00	ug/L

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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrews St. Site	Date Received:	
Client Sample ID:	VN0919WBS01	SDG No.:	N4647
Lab Sample ID:	VN0919WBS01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN074580.D	1		09/19/22 12:48	VN091922

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	20.7		0.19	1.00	ug/L
591-78-6	2-Hexanone	120		0.76	5.00	ug/L
124-48-1	Dibromochloromethane	20.7		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	21.2		0.14	1.00	ug/L
127-18-4	Tetrachloroethene	18.7		0.18	1.00	ug/L
108-90-7	Chlorobenzene	19.3		0.17	1.00	ug/L
100-41-4	Ethyl Benzene	19.5		0.17	1.00	ug/L
179601-23-1	m/p-Xylenes	39.8		0.33	2.00	ug/L
95-47-6	o-Xylene	19.4		0.18	1.00	ug/L
100-42-5	Styrene	19.6		0.13	1.00	ug/L
75-25-2	Bromoform	19.0		0.16	1.00	ug/L
98-82-8	Isopropylbenzene	19.9		0.19	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.2		0.23	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.7		0.20	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.7		0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.7		0.17	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	19.6		0.42	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	19.5		0.23	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	19.4		0.33	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.4		74 - 125	105%	SPK: 50
1868-53-7	Dibromofluoromethane	52.3		75 - 124	105%	SPK: 50
2037-26-5	Toluene-d8	49.9		86 - 113	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.9		83 - 123	98%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	191000	8.016			
540-36-3	1,4-Difluorobenzene	364000	8.904			
3114-55-4	Chlorobenzene-d5	335000	11.686			
3855-82-1	1,4-Dichlorobenzene-d4	144000	13.615			

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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrews St. Site	Date Received:	
Client Sample ID:	VN0919WBS01	SDG No.:	N4647
Lab Sample ID:	VN0919WBS01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN074580.D	1		09/19/22 12:48	VN091922

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091922\
Data File : VN074580.D
Acq On : 19 Sep 2022 12:48
Operator : JC\MD
Sample : VN0919WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 20 04:18:44 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 15 19:20:33 2022
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0919WBS01

Manual Integrations APPROVED

Reviewed By :Krupa Patel 09/21/2022
Supervised By :Mahesh Dadoda 09/21/2022

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.016	168	191139	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.904	114	364202	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	334823	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	143909	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	170035	52.429	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.860%			
35) Dibromofluoromethane	7.945	113	126568	52.315	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.640%			
50) Toluene-d8	10.380	98	467068	49.919	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.840%			
62) 4-Bromofluorobenzene	12.674	95	156619	48.874	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 97.740%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.046	85	35242	16.941	ug/l	98
3) Chloromethane	2.263	50	81234	23.355	ug/l	95
4) Vinyl Chloride	2.404	62	94145	25.143	ug/l	89
5) Bromomethane	2.793	94	68580	34.730	ug/l	100
6) Chloroethane	2.963	64	84106	32.884	ug/l	91
7) Trichlorofluoromethane	3.310	101	74063	17.911	ug/l	99
8) Diethyl Ether	3.757	74	40853	19.374	ug/l	67
9) 1,1,2-Trichlorotrifluo...	4.140	101	51220	20.022	ug/l #	85
10) Methyl Iodide	4.351	142	59564	19.737	ug/l #	85
11) Tert butyl alcohol	5.281	59	103892	98.339	ug/l	100
12) 1,1-Dichloroethene	4.110	96	49376	20.012	ug/l	91
13) Acrolein	3.975	56	44263	114.728	ug/l	96
14) Allyl chloride	4.757	41	121784	20.260	ug/l #	95
15) Acrylonitrile	5.475	53	271139	114.238	ug/l	98
16) Acetone	4.216	43	228739	110.221	ug/l	89
17) Carbon Disulfide	4.451	76	120798	17.499	ug/l #	92
18) Methyl Acetate	4.775	43	146625	22.748	ug/l #	87
19) Methyl tert-butyl Ether	5.528	73	215877	20.347	ug/l	98
20) Methylene Chloride	5.004	84	67368	21.281	ug/l #	74
21) trans-1,2-Dichloroethene	5.504	96	53324	19.549	ug/l	93
22) Diisopropyl ether	6.404	45	261578	21.671	ug/l #	90
23) Vinyl Acetate	6.345	43	1179553	110.797	ug/l #	92
24) 1,1-Dichloroethane	6.304	63	121826	20.192	ug/l	96
25) 2-Butanone	7.257	43	404046	117.264	ug/l #	85
26) 2,2-Dichloropropane	7.245	77	89693	17.243	ug/l	98
27) cis-1,2-Dichloroethene	7.245	96	65118	18.399	ug/l	83
28) Bromochloromethane	7.575	49	36685	20.632	ug/l #	64
29) Tetrahydrofuran	7.610	42	265997	117.415	ug/l #	81
30) Chloroform	7.745	83	113439	20.370	ug/l	92
31) Cyclohexane	8.022	56	110858	19.258	ug/l	89
32) 1,1,1-Trichloroethane	7.939	97	89742	18.374	ug/l	93
36) 1,1-Dichloropropene	8.145	75	80769	18.861	ug/l	94
37) Ethyl Acetate	7.339	43	159736	24.154	ug/l #	92
38) Carbon Tetrachloride	8.133	117	73018	18.468	ug/l	98
39) Methylcyclohexane	9.398	83	95462	18.747	ug/l	91
40) Benzene	8.386	78	268453	20.273	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091922\
Data File : VN074580.D
Acq On : 19 Sep 2022 12:48
Operator : JC\MD
Sample : VN0919WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 20 04:18:44 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 15 19:20:33 2022
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0919WBS01

Manual Integrations APPROVED
Reviewed By :Krupa Patel 09/21/2022
Supervised By :Mahesh Dadoda 09/21/2022

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.569	41	69651	21.784	ug/l		88
42) 1,2-Dichloroethane	8.463	62	95371	20.987	ug/l		97
43) Isopropyl Acetate	8.492	43	231517	22.349	ug/l	#	90
44) Trichloroethene	9.145	130	53798	18.775	ug/l		91
45) 1,2-Dichloropropane	9.427	63	74679	20.520	ug/l		99
46) Dibromomethane	9.510	93	47100	20.665	ug/l	#	83
47) Bromodichloromethane	9.698	83	97664	21.856	ug/l		91
48) Methyl methacrylate	9.498	41	100513	21.883	ug/l	#	80
49) 1,4-Dioxane	9.504	88	38940	440.952	ug/l	#	90
51) 4-Methyl-2-Pentanone	10.269	43	812674	120.135	ug/l		87
52) Toluene	10.445	92	162635	20.944	ug/l		98
53) t-1,3-Dichloropropene	10.663	75	104159	20.000	ug/l		99
54) cis-1,3-Dichloropropene	10.127	75	106342	19.080	ug/l	#	87
55) 1,1,2-Trichloroethane	10.839	97	68171	20.726	ug/l		95
56) Ethyl methacrylate	10.704	69	117876	20.063	ug/l	#	73
57) 1,3-Dichloropropane	10.986	76	120914	20.967	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.980	63	252052	97.479	ug/l	#	89
59) 2-Hexanone	11.027	43	617356	119.549	ug/l		87
60) Dibromochloromethane	11.180	129	65112	20.679	ug/l		100
61) 1,2-Dibromoethane	11.286	107	67674	21.179	ug/l		99
64) Tetrachloroethene	10.916	164	42911	18.675	ug/l		96
65) Chlorobenzene	11.710	112	161875	19.258	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.786	131	57250	18.746	ug/l		94
67) Ethyl Benzene	11.786	91	300641	19.481	ug/l		99
68) m/p-Xylenes	11.898	106	226928	39.771	ug/l		98
69) o-Xylene	12.221	106	112992	19.422	ug/l		97
70) Styrene	12.233	104	190079	19.642	ug/l		99
71) Bromoform	12.398	173	42584	18.972	ug/l	#	99
73) Isopropylbenzene	12.521	105	293481	19.917	ug/l		96
74) N-amyl acetate	12.333	43	194371	21.097	ug/l	#	87
75) 1,1,2,2-Tetrachloroethane	12.768	83	119066	20.164	ug/l		97
76) 1,2,3-Trichloropropane	12.827	75	89347m	20.170	ug/l		
77) Bromobenzene	12.804	156	63177	20.071	ug/l		80
78) n-propylbenzene	12.863	91	344882	19.652	ug/l		94
79) 2-Chlorotoluene	12.945	91	198694	18.965	ug/l		99
80) 1,3,5-Trimethylbenzene	13.004	105	233835	19.467	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.568	75	39781	19.383	ug/l		95
82) 4-Chlorotoluene	13.045	91	195518	19.634	ug/l		93
83) tert-Butylbenzene	13.268	119	206642	18.903	ug/l		98
84) 1,2,4-Trimethylbenzene	13.310	105	236062	19.528	ug/l		99
85) sec-Butylbenzene	13.445	105	290051	19.323	ug/l		96
86) p-Isopropyltoluene	13.557	119	230990	19.739	ug/l		96
87) 1,3-Dichlorobenzene	13.557	146	113835	19.680	ug/l		99
88) 1,4-Dichlorobenzene	13.633	146	114632	19.719	ug/l		95
89) n-Butylbenzene	13.886	91	208238	19.743	ug/l		94
90) Hexachloroethane	14.151	117	45805	17.990	ug/l		76
91) 1,2-Dichlorobenzene	13.927	146	118069	19.676	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.545	75	25532	19.581	ug/l		80
93) 1,2,4-Trichlorobenzene	15.198	180	55874	19.544	ug/l		95
94) Hexachlorobutadiene	15.304	225	24416	19.433	ug/l		97
95) Naphthalene	15.439	128	239616	20.423	ug/l		99
96) 1,2,3-Trichlorobenzene	15.633	180	55043	19.420	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091922\
Data File : VN074580.D
Acq On : 19 Sep 2022 12:48
Operator : JC\MD
Sample : VN0919WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 20 04:18:44 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 15 19:20:33 2022
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0919WBS01

Manual Integrations APPROVED

Reviewed By :Krupa Patel 09/21/2022
Supervised By :Mahesh Dadoda 09/21/2022

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091922\
Data File : VN074580.D
Acq On : 19 Sep 2022 12:48
Operator : JC\MD
Sample : VN0919WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 20 04:18:44 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 15 19:20:33 2022
Response via : Initial Calibration

Instrument :
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ClientSampleId :
VN0919WBS01

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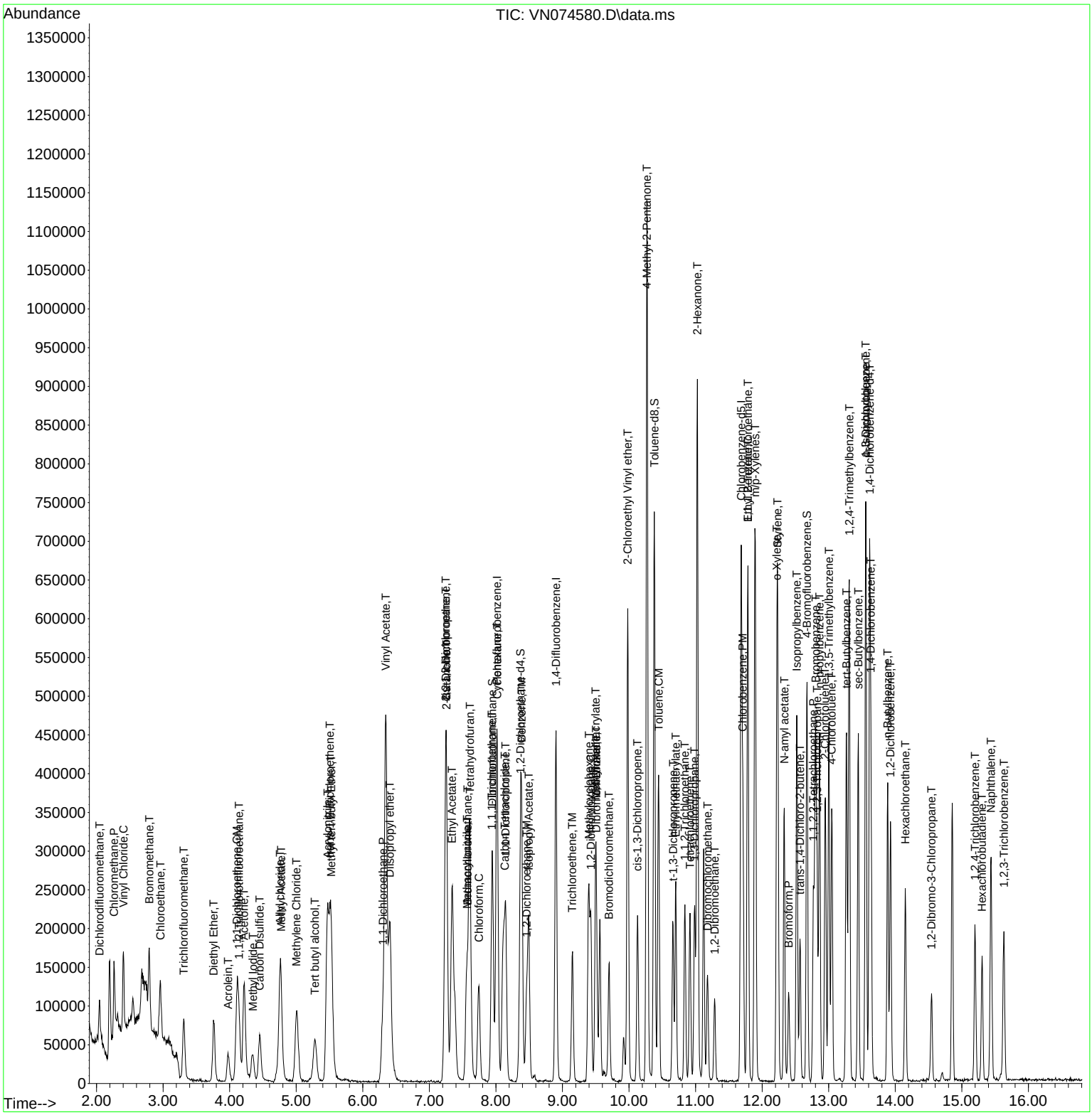

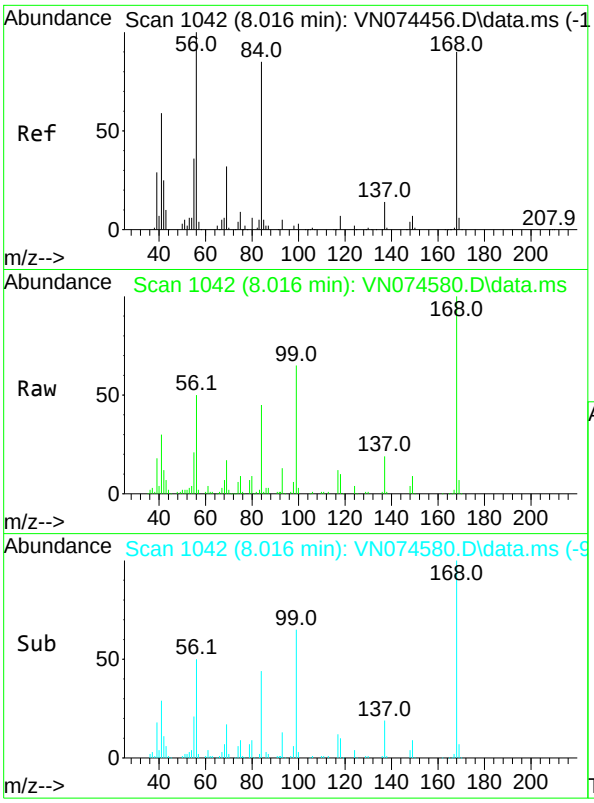

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074580.D
Acq: 19 Sep 2022 12:48

Tgt Ion:168 Resp: 19113

Ion	Ratio	Lower	Upper
168	100		
99	64.5	42.3	63.5

Instrument :
MSVOA_N
ClientSampleId :
VN0919WBS01

Manual Integrations
APPROVED

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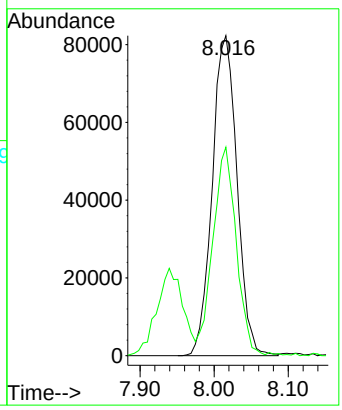
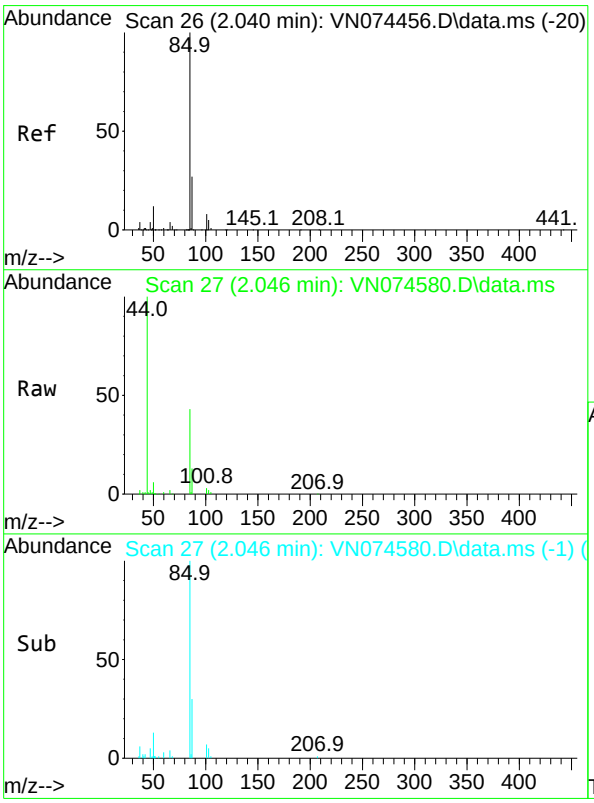
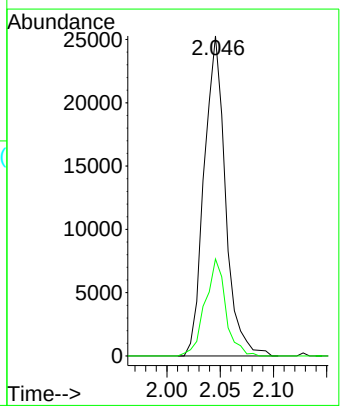


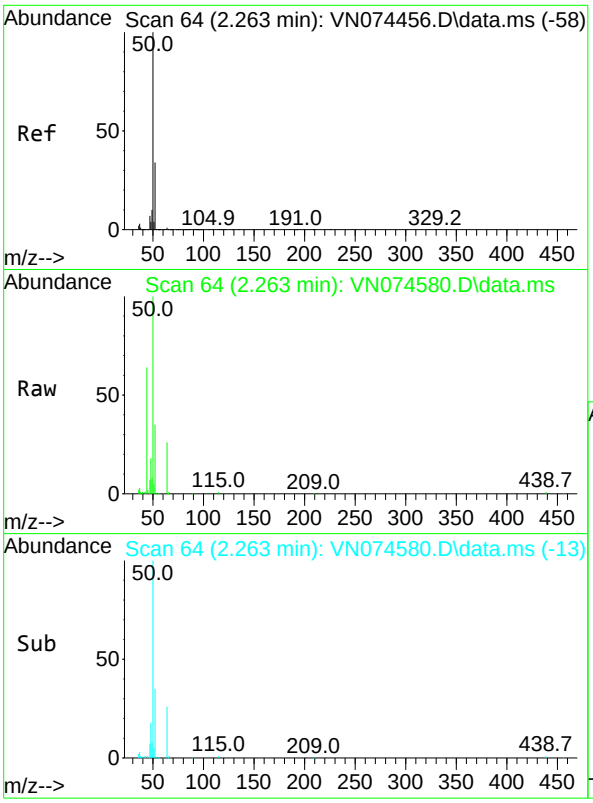


#2
Dichlorodifluoromethane
Concen: 16.941 ug/l
RT: 2.046 min Scan# 27
Delta R.T. 0.006 min
Lab File: VN074580.D
Acq: 19 Sep 2022 12:48

Tgt Ion: 85 Resp: 35242

Ion	Ratio	Lower	Upper
85	100		
87	30.3	15.7	47.1

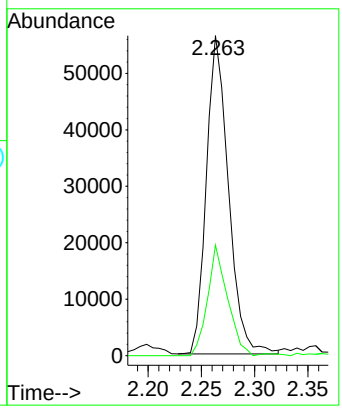




#3
Chloromethane
Concen: 23.355 ug/l
RT: 2.263 min Scan# 64
Delta R.T. 0.000 min
Lab File: VN074580.D
Acq: 19 Sep 2022 12:48

Tgt Ion: 50 Resp: 8123

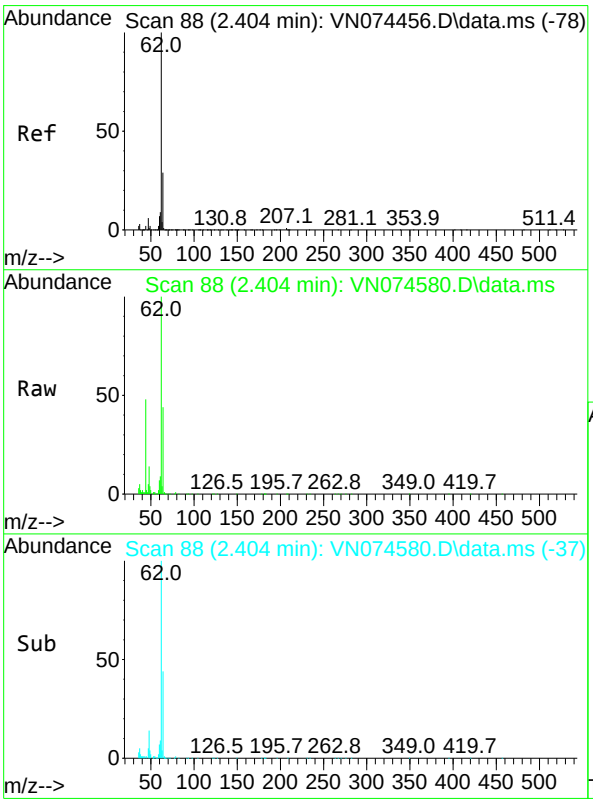
Ion	Ratio	Lower	Upper
50	100		
52	34.7	25.7	38.5



Instrument :
MSVOA_N
ClientSampleId :
VN0919WBS01

Manual Integrations
APPROVED

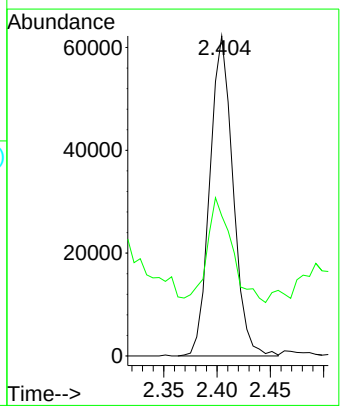
Reviewed By :Krupa Patel 09/21/2022
Supervised By :Mahesh Dadoda 09/21/2022

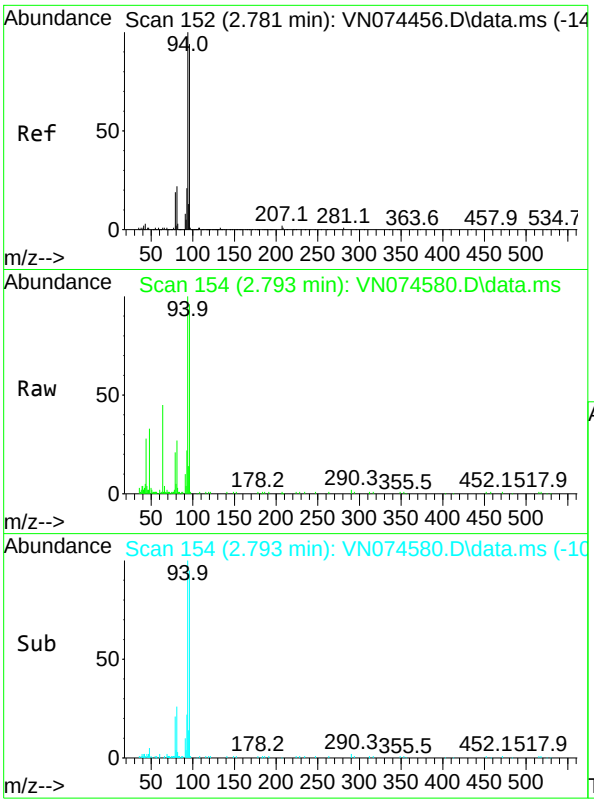


#4
Vinyl Chloride
Concen: 25.143 ug/l
RT: 2.404 min Scan# 88
Delta R.T. 0.000 min
Lab File: VN074580.D
Acq: 19 Sep 2022 12:48

Tgt Ion: 62 Resp: 94145

Ion	Ratio	Lower	Upper
62	100		
64	25.4	25.0	37.4

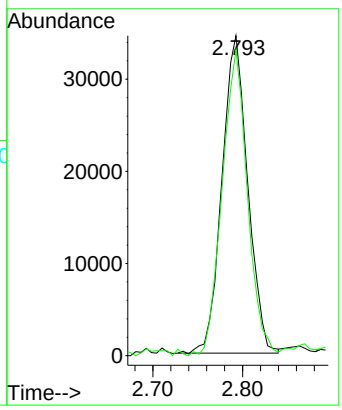




#5
Bromomethane
Concen: 34.730 ug/l
RT: 2.793 min Scan# 1
Delta R.T. 0.012 min
Lab File: VN074580.D
Acq: 19 Sep 2022 12:48

Tgt Ion: 94 Resp: 6858

Ion	Ratio	Lower	Upper
94	100		
96	95.2	76.0	114.0



Instrument :
MSVOA_N
ClientSampleId :
VN0919WBS01

Manual Integrations
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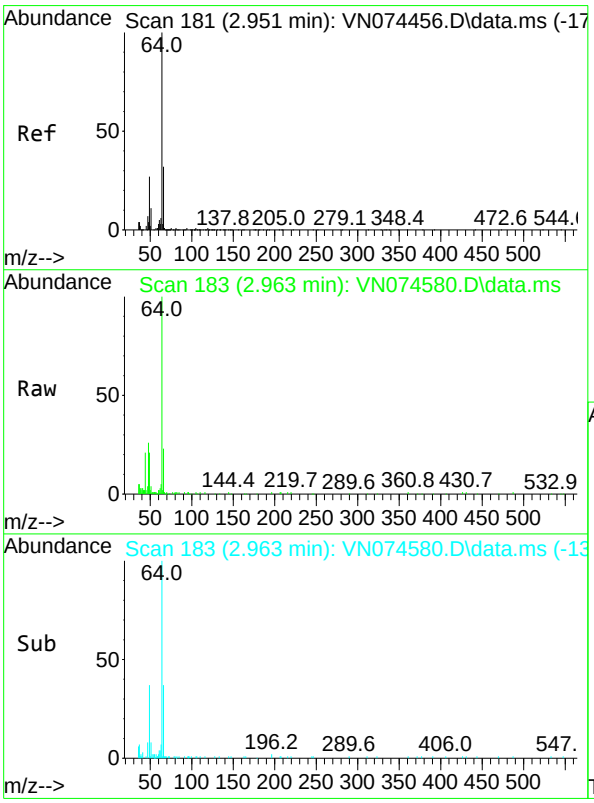
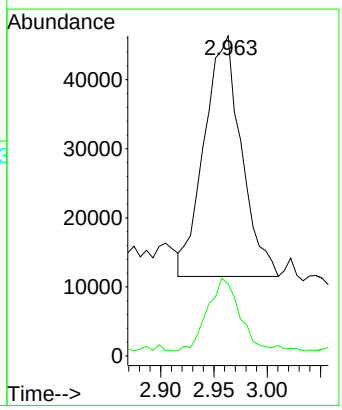
Supervised By :Mahesh Dadoda 09/21/2022

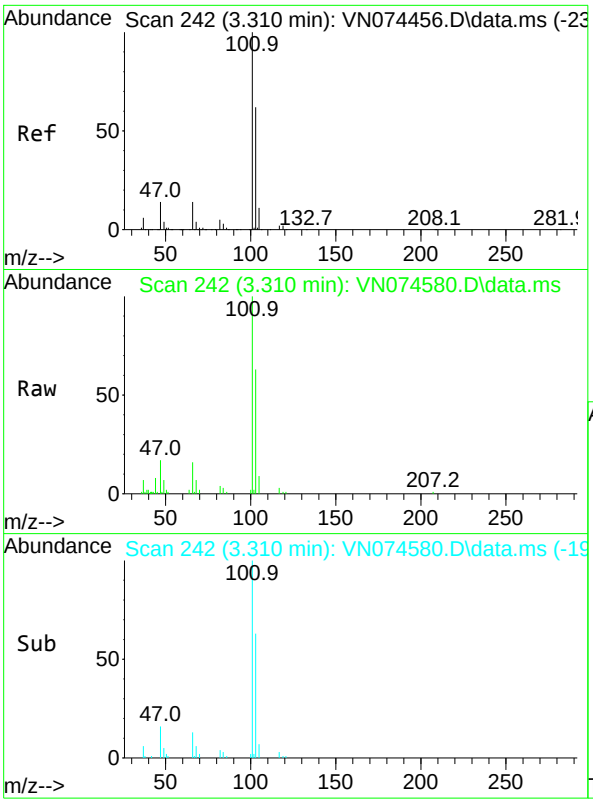


#6
Chloroethane
Concen: 32.884 ug/l
RT: 2.963 min Scan# 183
Delta R.T. 0.012 min
Lab File: VN074580.D
Acq: 19 Sep 2022 12:48

Tgt Ion: 64 Resp: 84106

Ion	Ratio	Lower	Upper
64	100		
66	27.9	26.2	39.4

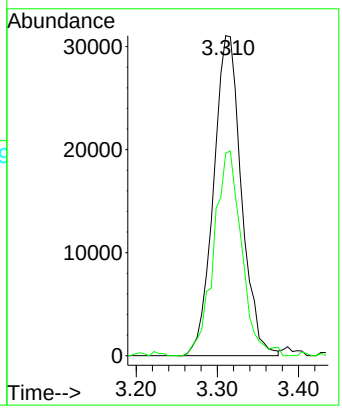




#7
Trichlorofluoromethane
Concen: 17.911 ug/l
RT: 3.310 min Scan# 24
Delta R.T. 0.000 min
Lab File: VN074580.D
Acq: 19 Sep 2022 12:48

Tgt Ion:101 Resp: 7406

Ion	Ratio	Lower	Upper
101	100		
103	63.3	51.5	77.3



Instrument :
MSVOA_N
ClientSampleId :
VN0919WBS01

Manual Integrations
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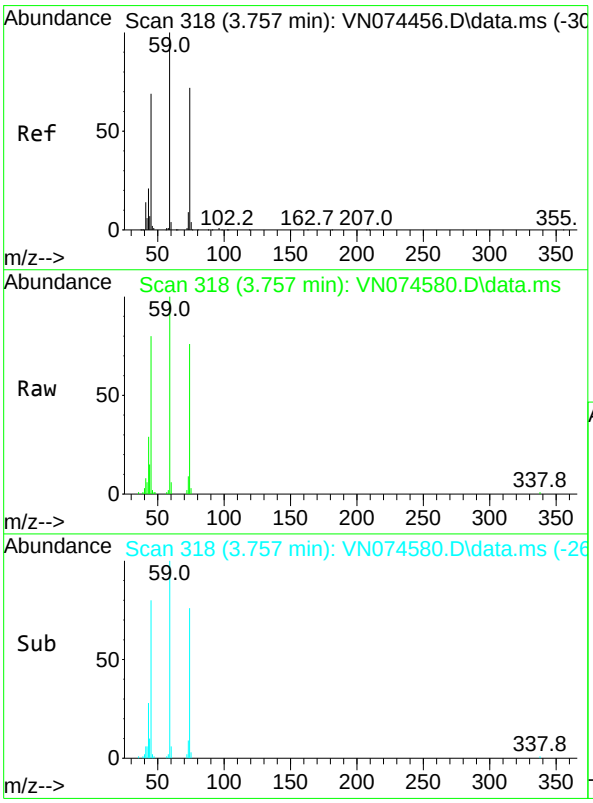
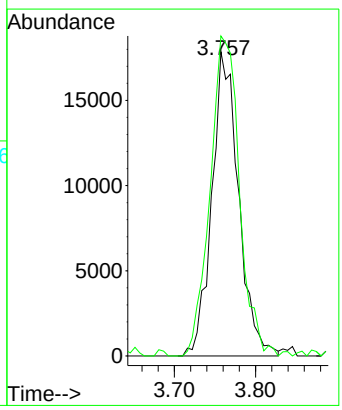
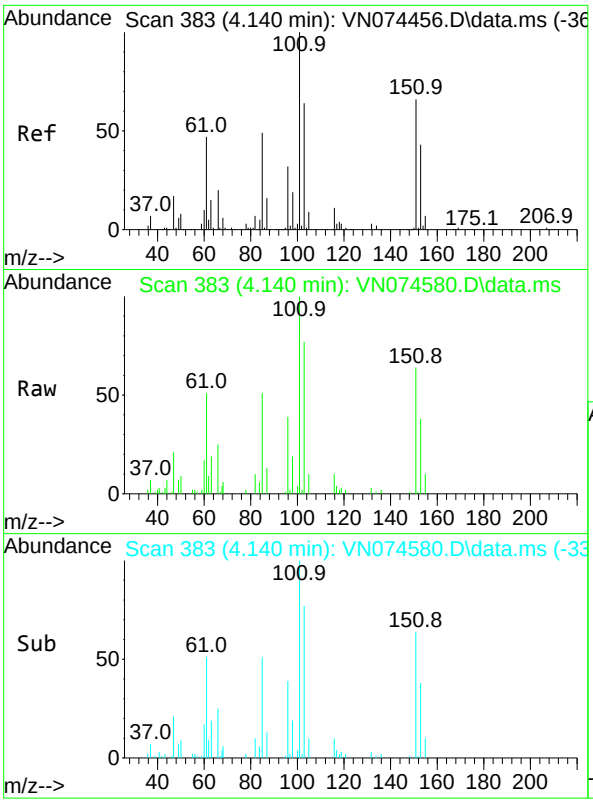


#8
Diethyl Ether
Concen: 19.374 ug/l
RT: 3.757 min Scan# 318
Delta R.T. 0.000 min
Lab File: VN074580.D
Acq: 19 Sep 2022 12:48

Tgt Ion: 74 Resp: 40853

Ion	Ratio	Lower	Upper
74	100		
45	116.2	42.9	128.5

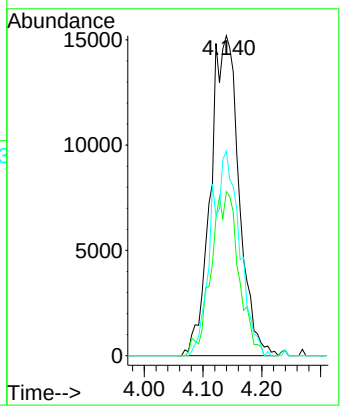




#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.022 ug/l
RT: 4.140 min Scan# 3
Delta R.T. -0.000 min
Lab File: VN074580.D
Acq: 19 Sep 2022 12:48

Tgt Ion:101 Resp: 5122

Ion	Ratio	Lower	Upper
101	100		
85	49.9	34.7	52.1
151	62.8	63.0	94.4#



Instrument :
MSVOA_N
ClientSampleId :
VN0919WBS01

Manual Integrations
APPROVED

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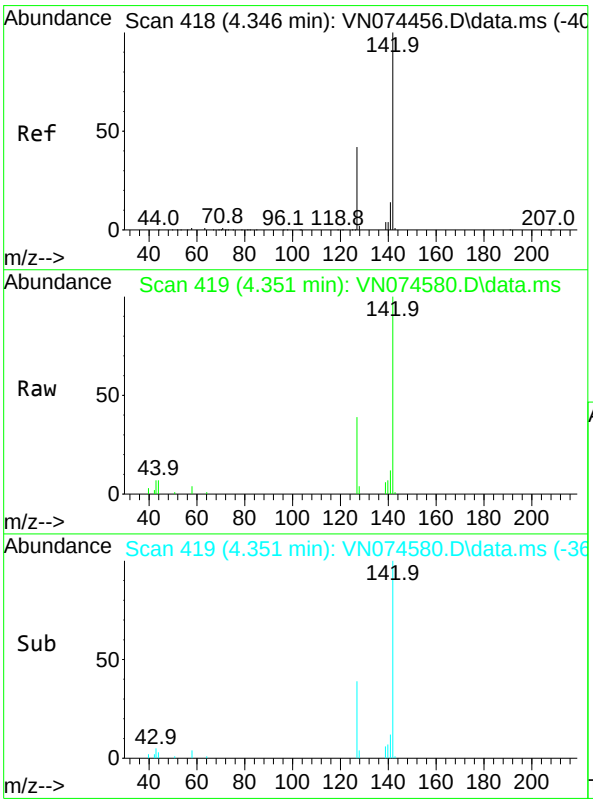
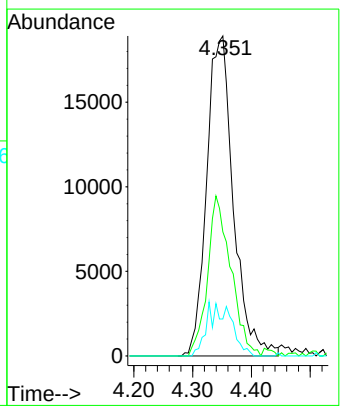
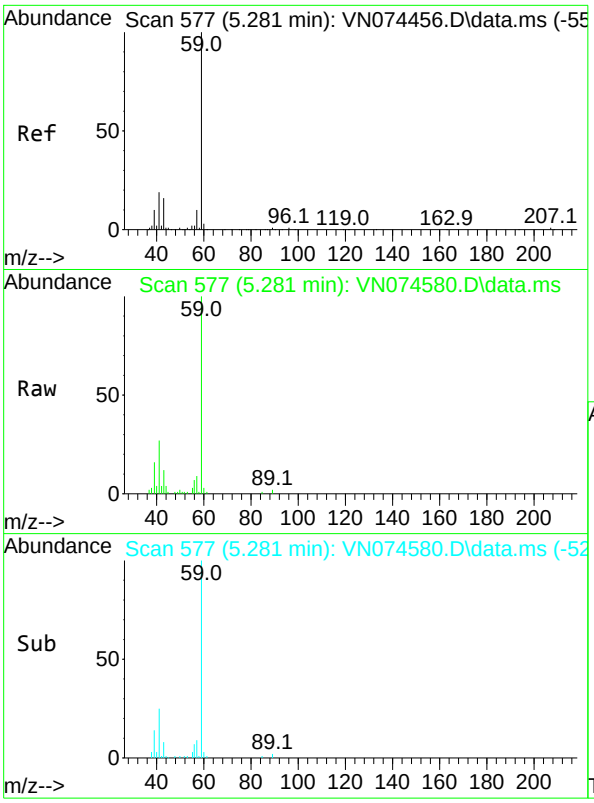


#10
Methyl Iodide
Concen: 19.737 ug/l
RT: 4.351 min Scan# 419
Delta R.T. 0.005 min
Lab File: VN074580.D
Acq: 19 Sep 2022 12:48

Tgt Ion:142 Resp: 59564

Ion	Ratio	Lower	Upper
142	100		
127	43.7	31.3	46.9
141	0.0	11.2	16.8#

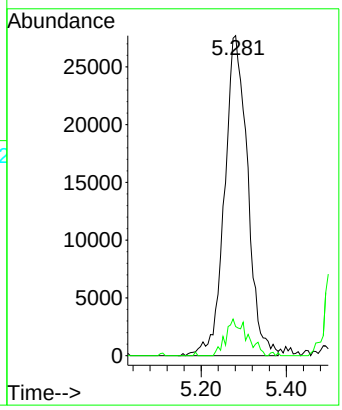




#11
Tert butyl alcohol
Concen: 98.339 ug/l
RT: 5.281 min Scan# 5
Delta R.T. -0.000 min
Lab File: VN074580.D
Acq: 19 Sep 2022 12:48

Tgt Ion: 59 Resp: 10389

Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.3	12.5



Instrument :
MSVOA_N
ClientSampleId :
VN0919WBS01

Manual Integrations
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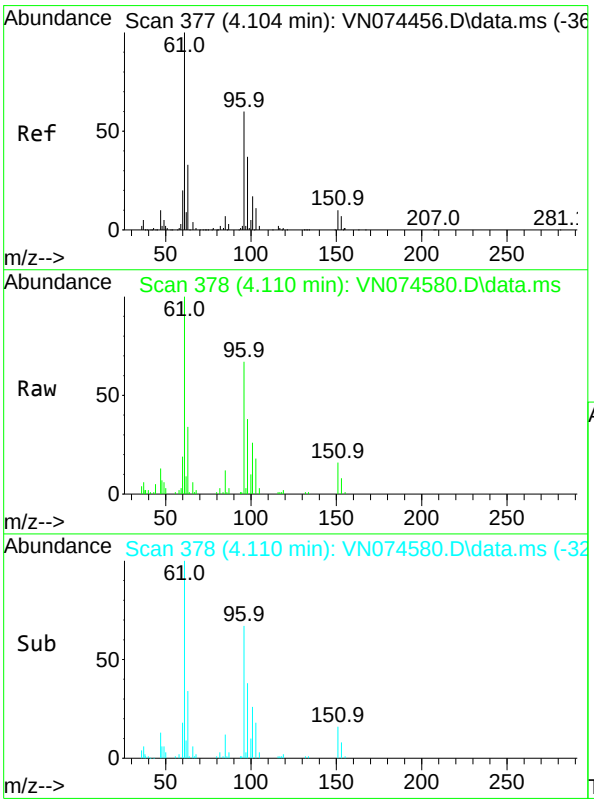
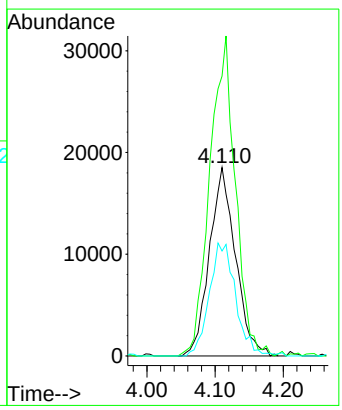
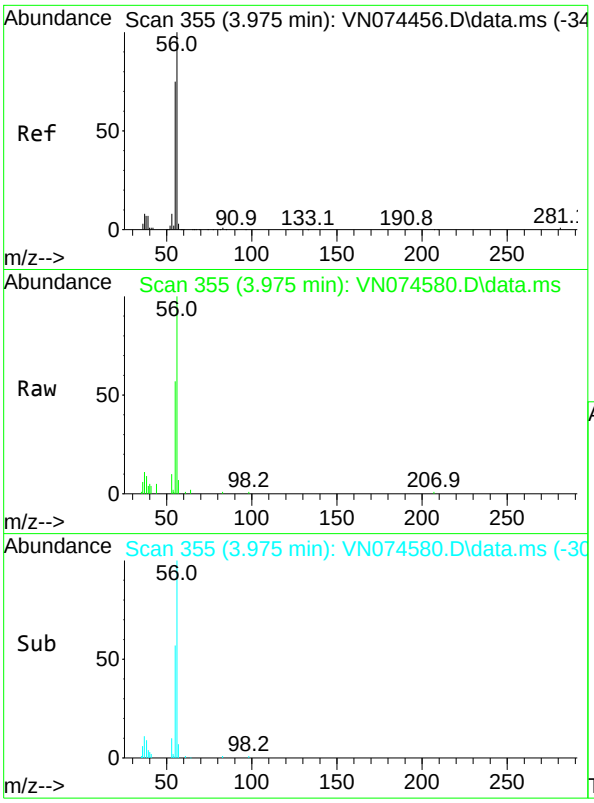


#12
1,1-Dichloroethene
Concen: 20.012 ug/l
RT: 4.110 min Scan# 378
Delta R.T. 0.006 min
Lab File: VN074580.D
Acq: 19 Sep 2022 12:48

Tgt Ion: 96 Resp: 49376

Ion	Ratio	Lower	Upper
96	100		
61	148.4	127.6	191.4
98	55.7	51.2	76.8

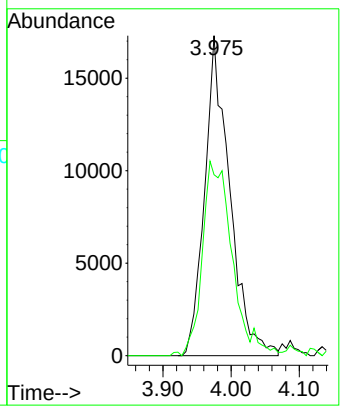




#13
Acrolein
Concen: 114.728 ug/l
RT: 3.975 min Scan# 3
Delta R.T. -0.000 min
Lab File: VN074580.D
Acq: 19 Sep 2022 12:48

Tgt Ion: 56 Resp: 4426

Ion	Ratio	Lower	Upper
56	100		
55	71.7	54.8	82.2



Instrument :
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ClientSampleId :
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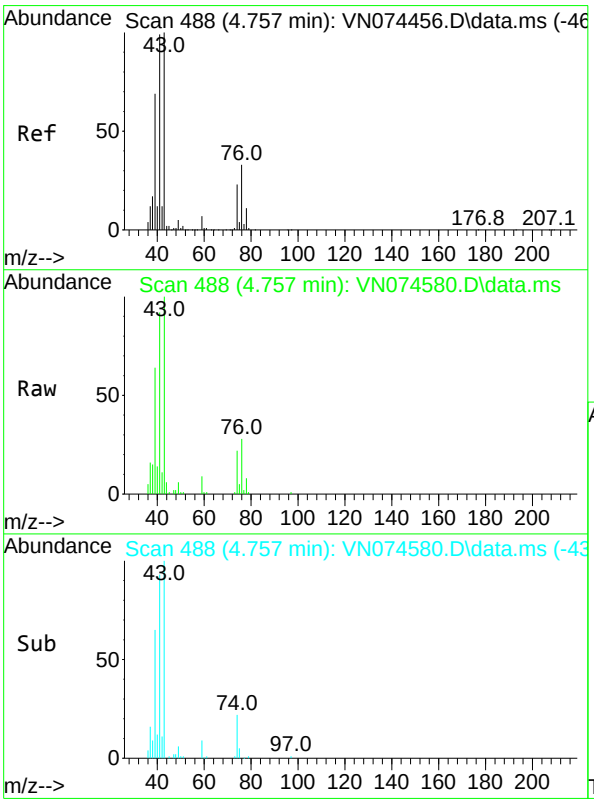
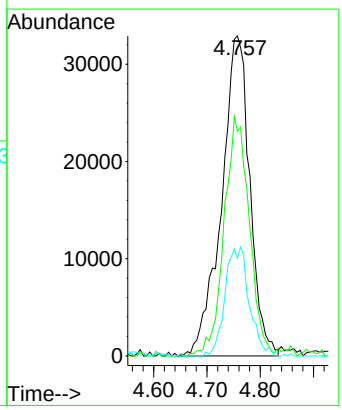
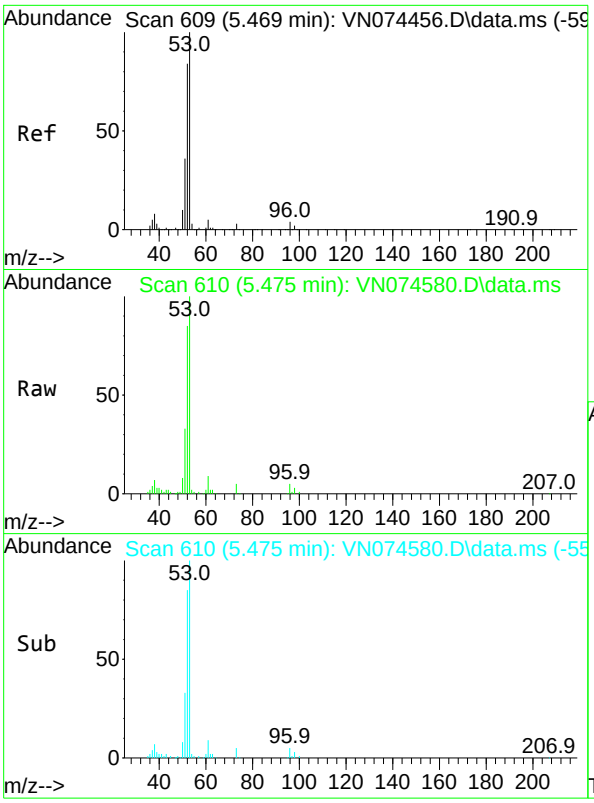


#14
Allyl chloride
Concen: 20.260 ug/l
RT: 4.757 min Scan# 488
Delta R.T. 0.000 min
Lab File: VN074580.D
Acq: 19 Sep 2022 12:48

Tgt Ion: 41 Resp: 121784

Ion	Ratio	Lower	Upper
41	100		
39	66.4	53.2	79.8
76	28.9	29.9	44.9#

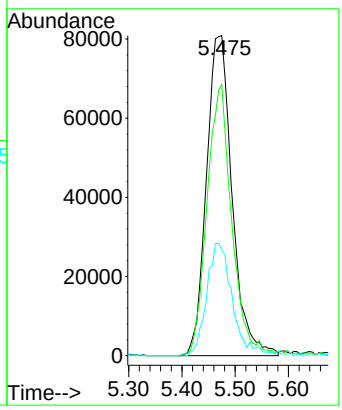




#15
Acrylonitrile
Concen: 114.238 ug/l
RT: 5.475 min Scan# 61
Delta R.T. 0.006 min
Lab File: VN074580.D
Acq: 19 Sep 2022 12:48

Tgt Ion: 53 Resp: 27113

Ion	Ratio	Lower	Upper
53	100		
52	81.4	66.4	99.6
51	35.0	28.5	42.7



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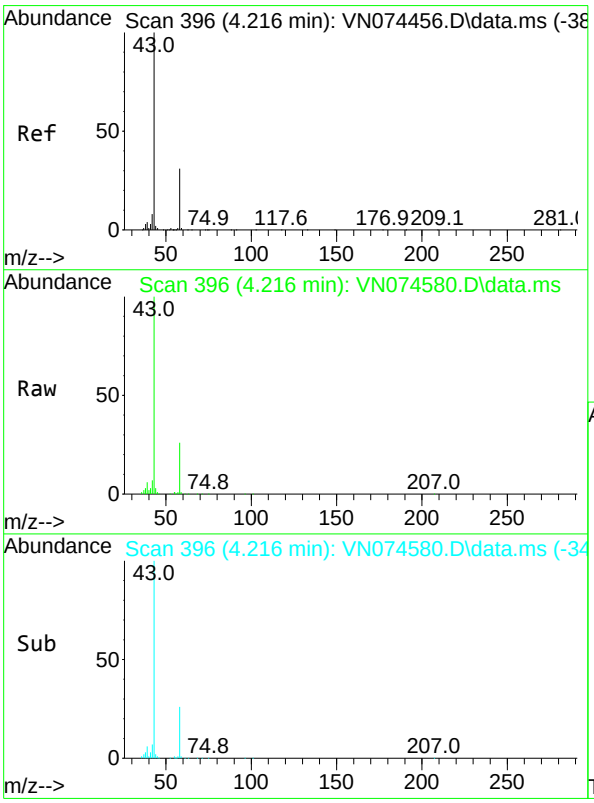
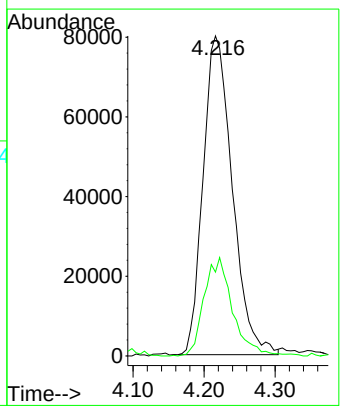
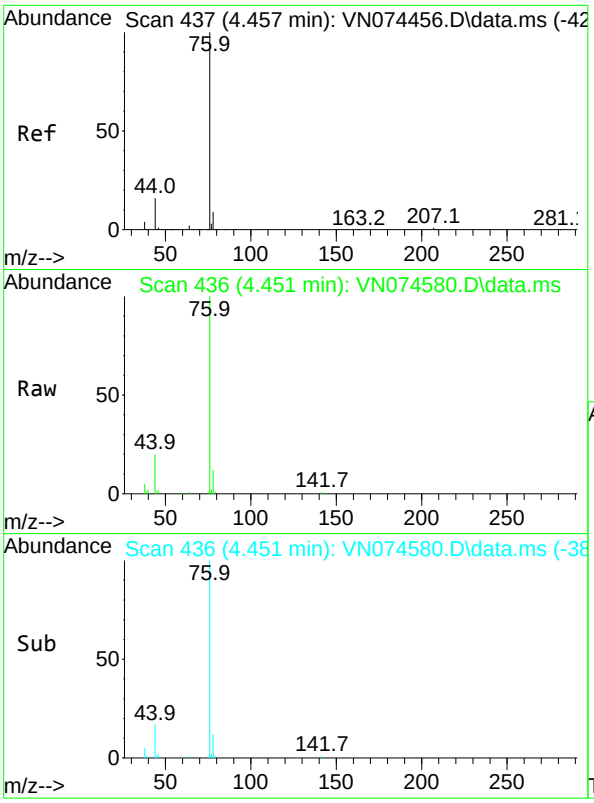


#16
Acetone
Concen: 110.221 ug/l
RT: 4.216 min Scan# 396
Delta R.T. 0.000 min
Lab File: VN074580.D
Acq: 19 Sep 2022 12:48

Tgt Ion: 43 Resp: 228739

Ion	Ratio	Lower	Upper
43	100		
58	26.3	26.0	39.0

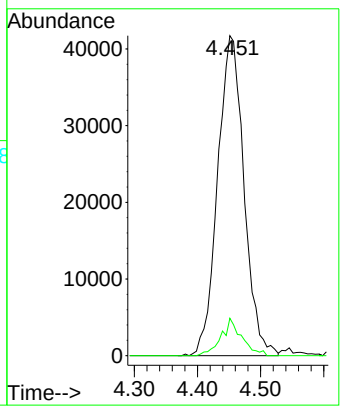




#17
Carbon Disulfide
Concen: 17.499 ug/l
RT: 4.451 min Scan# 4
Delta R.T. -0.006 min
Lab File: VN074580.D
Acq: 19 Sep 2022 12:48

Tgt Ion: 76 Resp: 12079

Ion	Ratio	Lower	Upper
76	100		
78	11.7	7.2	10.8#



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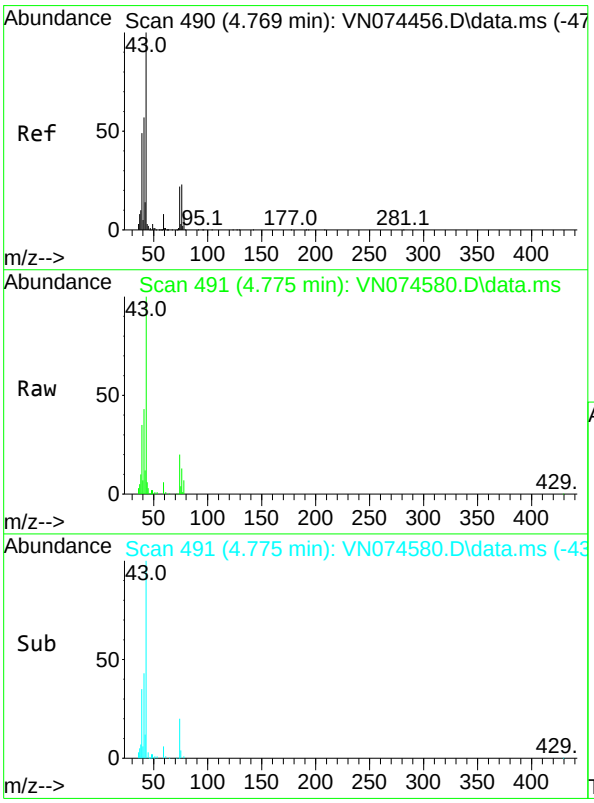
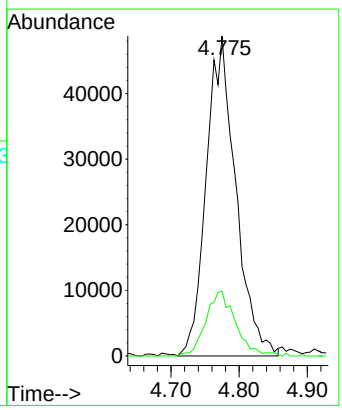
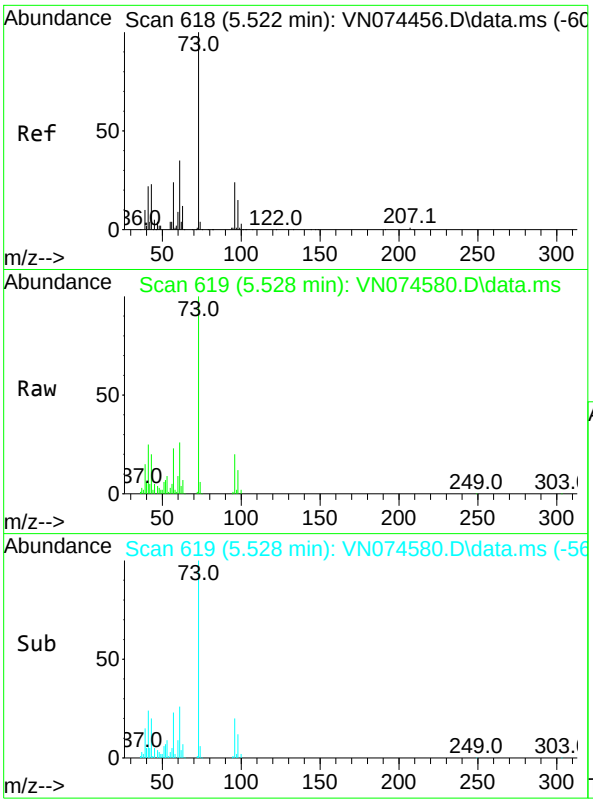


#18
Methyl Acetate
Concen: 22.748 ug/l
RT: 4.775 min Scan# 491
Delta R.T. 0.006 min
Lab File: VN074580.D
Acq: 19 Sep 2022 12:48

Tgt Ion: 43 Resp: 146625

Ion	Ratio	Lower	Upper
43	100		
74	20.4	21.6	32.4#

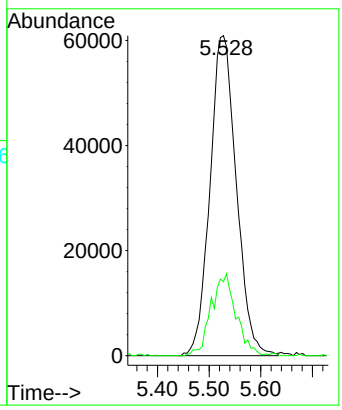




#19
Methyl tert-butyl Ether
Concen: 20.347 ug/l
RT: 5.528 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN074580.D
Acq: 19 Sep 2022 12:48

Tgt Ion: 73 Resp: 21587

Ion	Ratio	Lower	Upper
73	100		
57	23.1	17.6	26.4



Instrument :
MSVOA_N
ClientSampleId :
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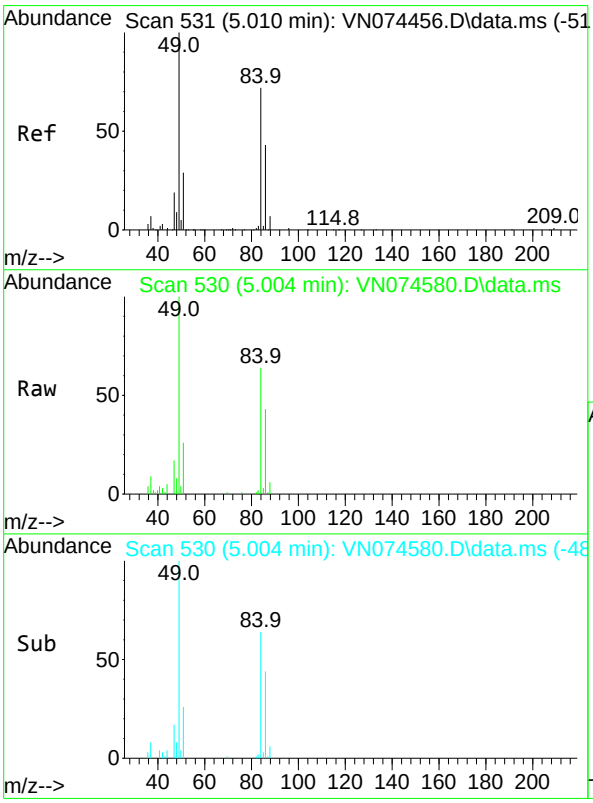
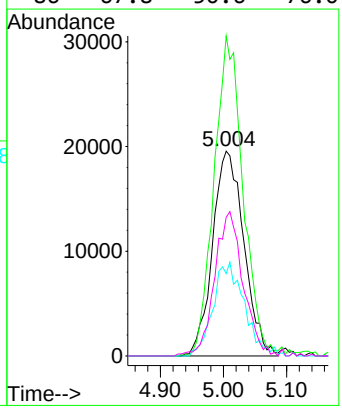
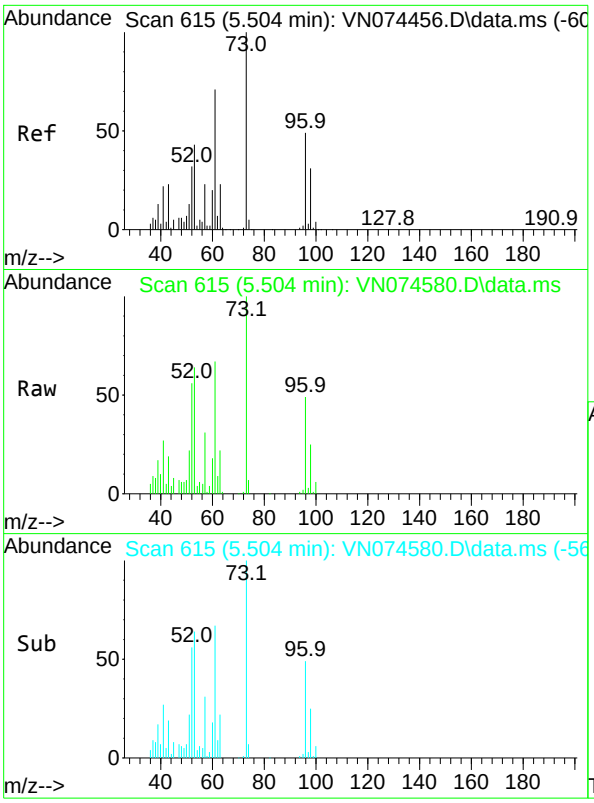


#20
Methylene Chloride
Concen: 21.281 ug/l
RT: 5.004 min Scan# 530
Delta R.T. -0.006 min
Lab File: VN074580.D
Acq: 19 Sep 2022 12:48

Tgt Ion: 84 Resp: 67368

Ion	Ratio	Lower	Upper
84	100		
49	156.2	88.3	132.5#
51	40.3	28.2	42.2
86	67.8	50.6	76.0

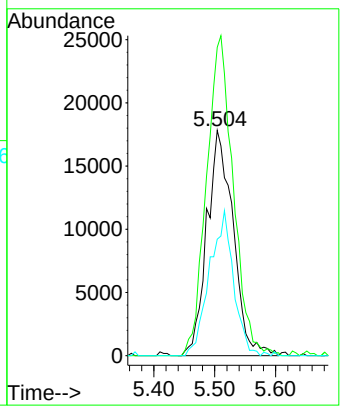




#21
trans-1,2-Dichloroethene
Concen: 19.549 ug/l
RT: 5.504 min Scan# 61
Delta R.T. 0.000 min
Lab File: VN074580.D
Acq: 19 Sep 2022 12:48

Tgt Ion: 96 Resp: 5332

Ion	Ratio	Lower	Upper
96	100		
61	136.9	105.8	158.8
98	51.7	50.3	75.5



Instrument :
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ClientSampleId :
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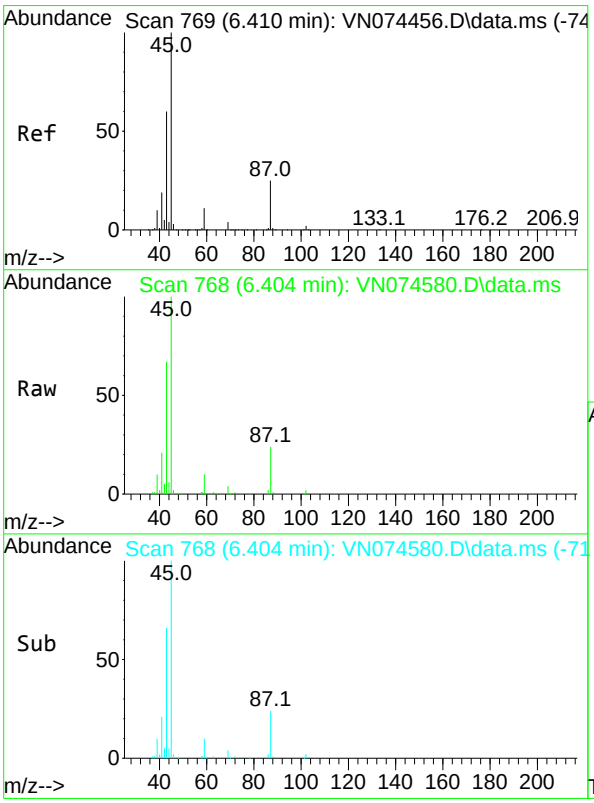
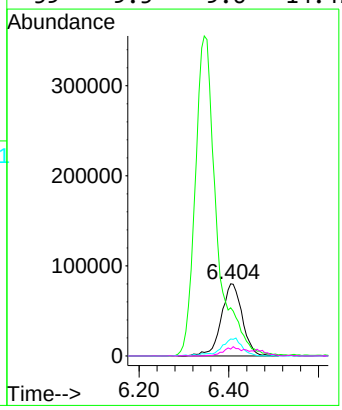
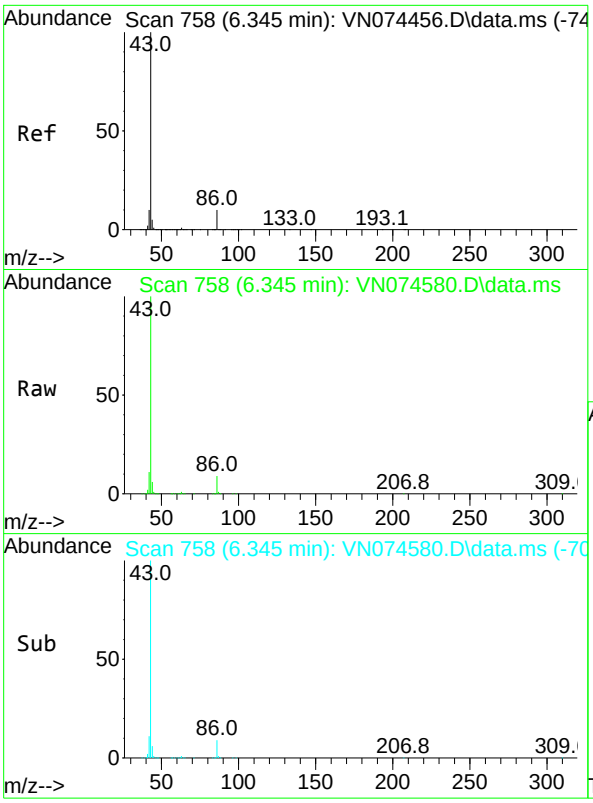


#22
Diisopropyl ether
Concen: 21.671 ug/l
RT: 6.404 min Scan# 768
Delta R.T. -0.006 min
Lab File: VN074580.D
Acq: 19 Sep 2022 12:48

Tgt Ion: 45 Resp: 261578

Ion	Ratio	Lower	Upper
45	100		
43	65.2	46.6	70.0
87	23.6	24.3	36.5#
59	9.5	9.6	14.4#

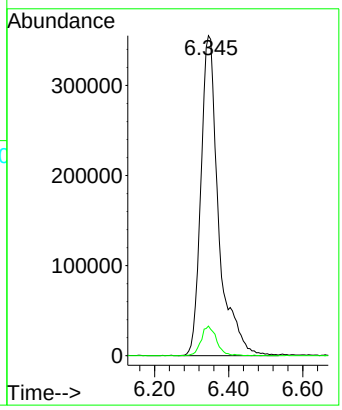




#23
Vinyl Acetate
Concen: 110.797 ug/l
RT: 6.345 min Scan# 7
Delta R.T. 0.000 min
Lab File: VN074580.D
Acq: 19 Sep 2022 12:48

Tgt Ion: 43 Resp: 117955

Ion	Ratio	Lower	Upper
43	100		
86	9.2	10.0	15.0#



Instrument :
MSVOA_N
ClientSampleId :
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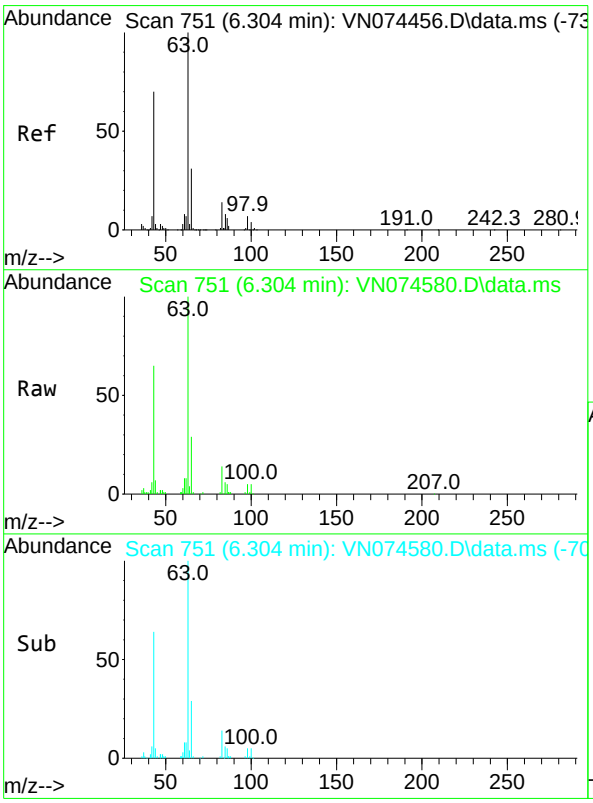
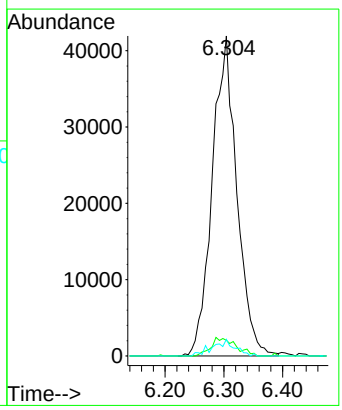
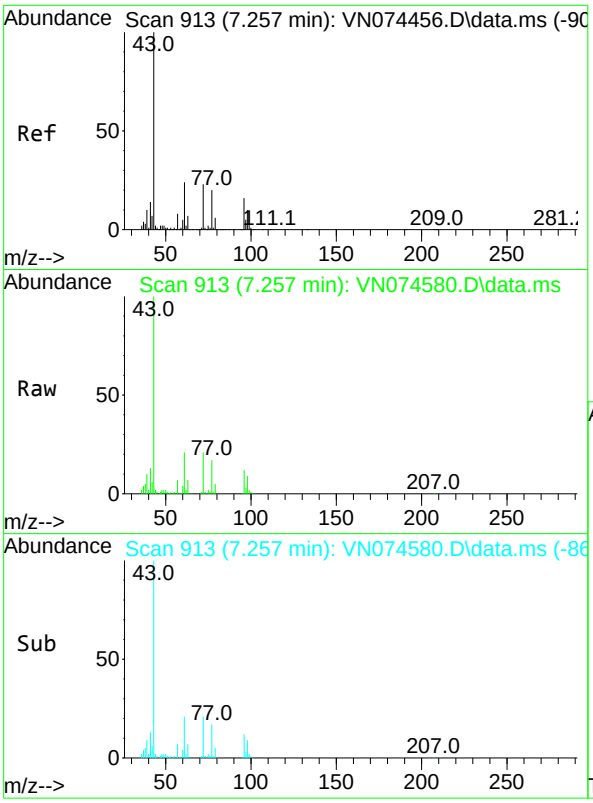


#24
1,1-Dichloroethane
Concen: 20.192 ug/l
RT: 6.304 min Scan# 751
Delta R.T. 0.000 min
Lab File: VN074580.D
Acq: 19 Sep 2022 12:48

Tgt Ion: 63 Resp: 121826

Ion	Ratio	Lower	Upper
63	100		
98	4.9	3.5	10.4
100	5.2	2.3	6.8

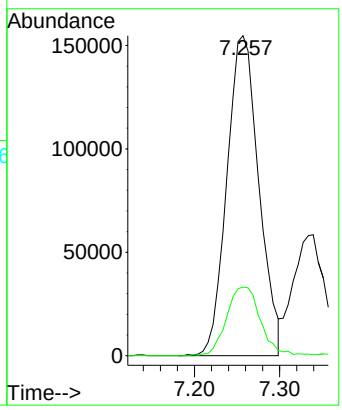




#25
2-Butanone
Concen: 117.264 ug/l
RT: 7.257 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN074580.D
Acq: 19 Sep 2022 12:48

Tgt Ion: 43 Resp: 40404

Ion	Ratio	Lower	Upper
43	100		
72	21.4	23.7	35.5#



Instrument :
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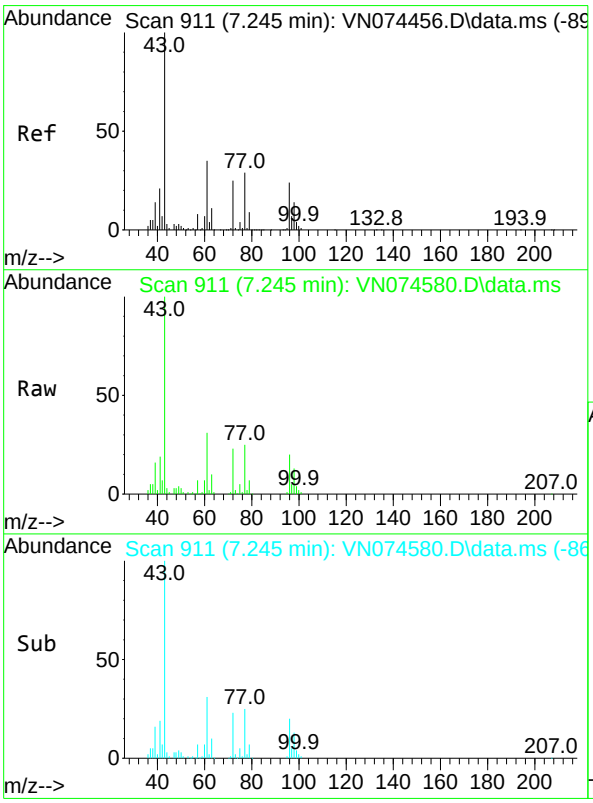
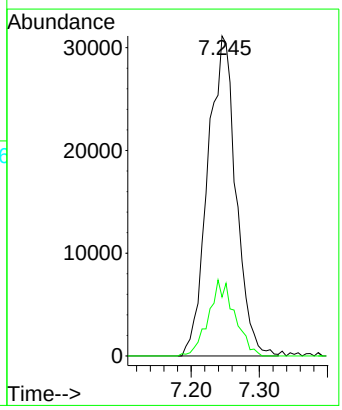
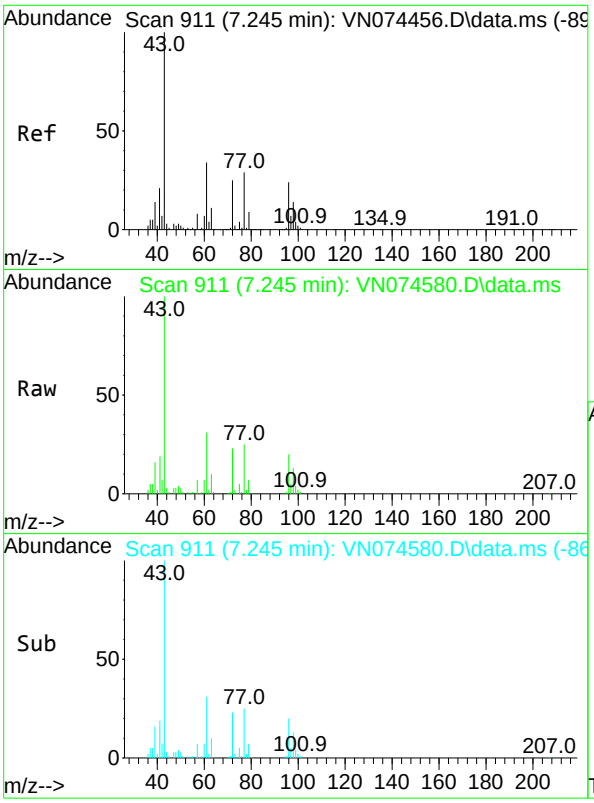


#26
2,2-Dichloropropane
Concen: 17.243 ug/l
RT: 7.245 min Scan# 911
Delta R.T. 0.000 min
Lab File: VN074580.D
Acq: 19 Sep 2022 12:48

Tgt Ion: 77 Resp: 89693

Ion	Ratio	Lower	Upper
77	100		
97	22.0	11.4	34.2

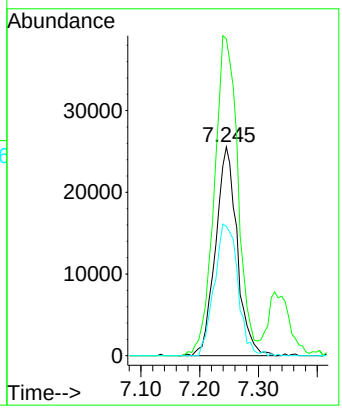




#27
cis-1,2-Dichloroethene
Concen: 18.399 ug/l
RT: 7.245 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN074580.D
Acq: 19 Sep 2022 12:48

Tgt Ion: 96 Resp: 6511

Ion	Ratio	Lower	Upper
96	100		
61	167.8	0.0	280.6
98	68.8	0.0	128.4



Instrument :
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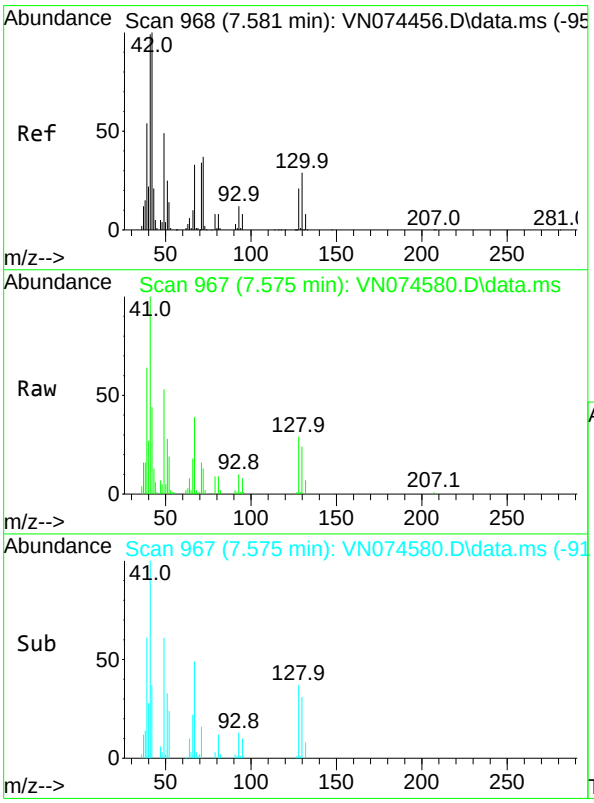
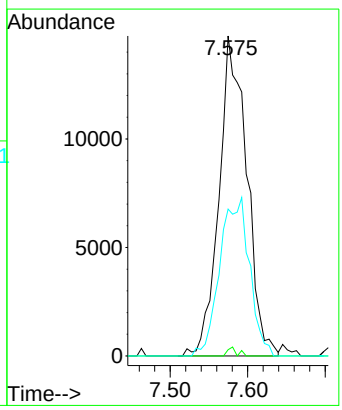
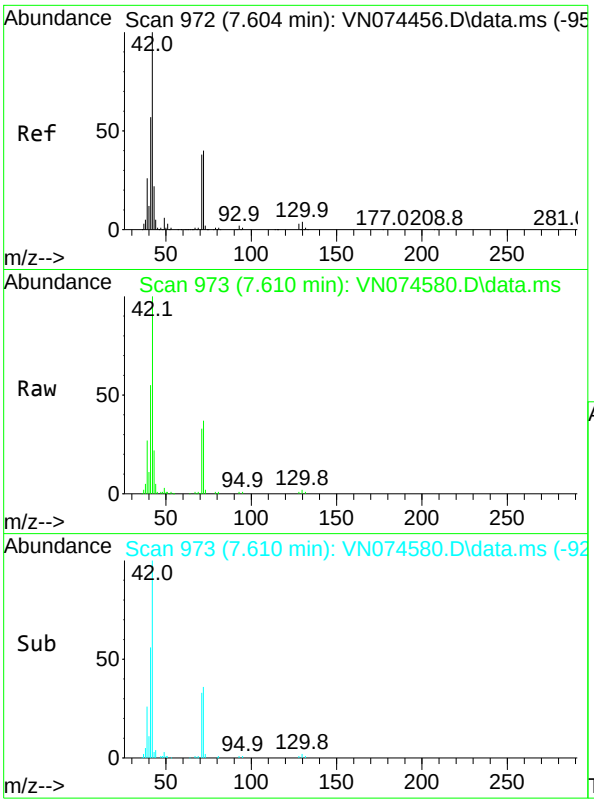


#28
Bromochloromethane
Concen: 20.632 ug/l
RT: 7.575 min Scan# 967
Delta R.T. -0.006 min
Lab File: VN074580.D
Acq: 19 Sep 2022 12:48

Tgt Ion: 49 Resp: 36685

Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	4.6
130	53.0	69.7	104.5#

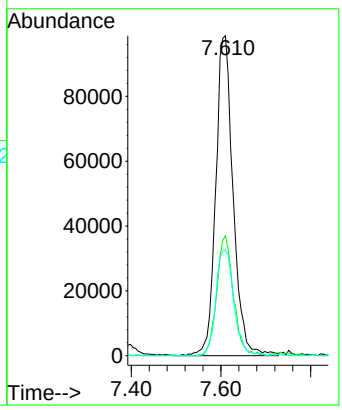




#29
Tetrahydrofuran
Concen: 117.415 ug/l
RT: 7.610 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN074580.D
Acq: 19 Sep 2022 12:48

Tgt Ion: 42 Resp: 26599

Ion	Ratio	Lower	Upper
42	100		
72	35.9	39.7	59.5#
71	33.9	36.6	55.0#



Instrument :
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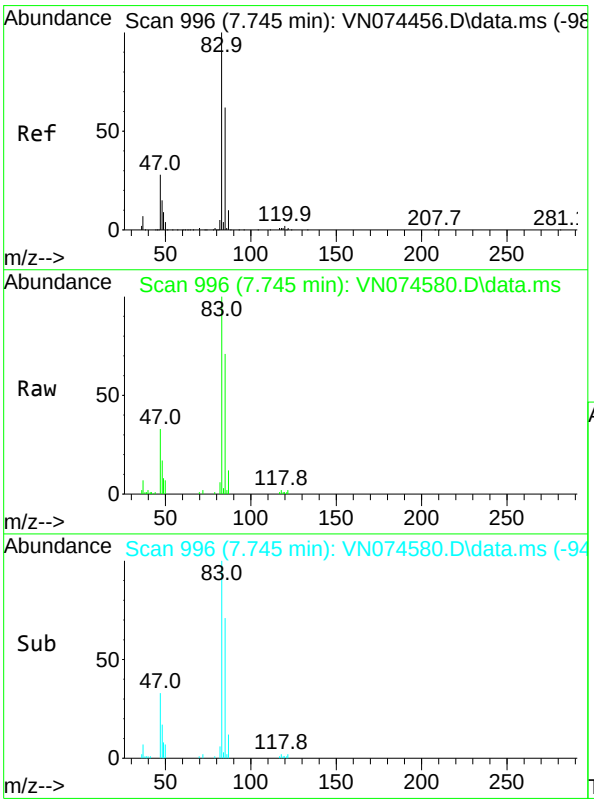
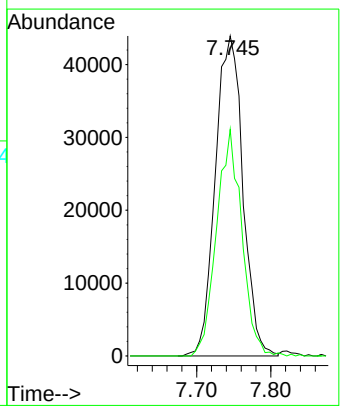
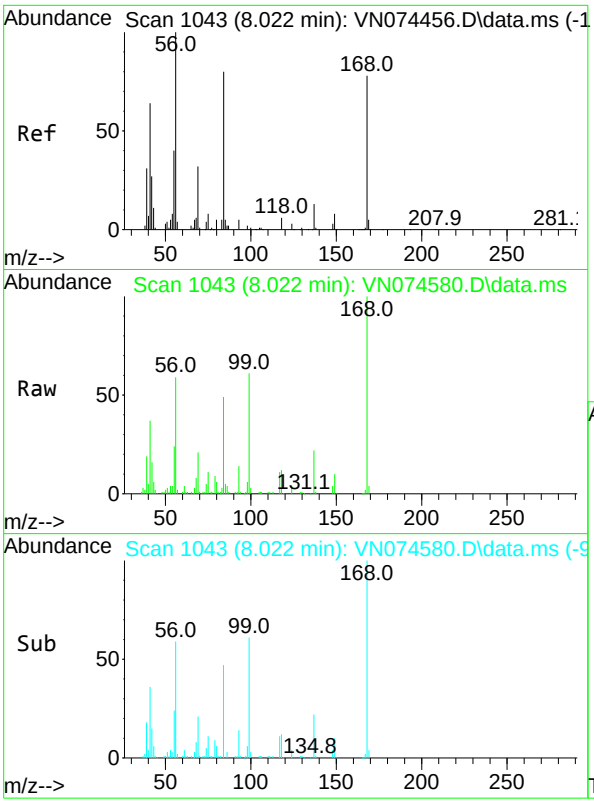


#30
Chloroform
Concen: 20.370 ug/l
RT: 7.745 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN074580.D
Acq: 19 Sep 2022 12:48

Tgt Ion: 83 Resp: 113439

Ion	Ratio	Lower	Upper
83	100		
85	70.8	51.8	77.8

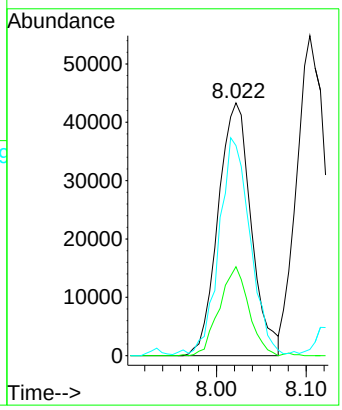




#31
Cyclohexane
Concen: 19.258 ug/l
RT: 8.022 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074580.D
Acq: 19 Sep 2022 12:48

Tgt Ion: 56 Resp: 11085

Ion	Ratio	Lower	Upper
56	100		
69	35.2	27.8	41.8
84	81.8	76.9	115.3



Instrument :
MSVOA_N
ClientSampleId :
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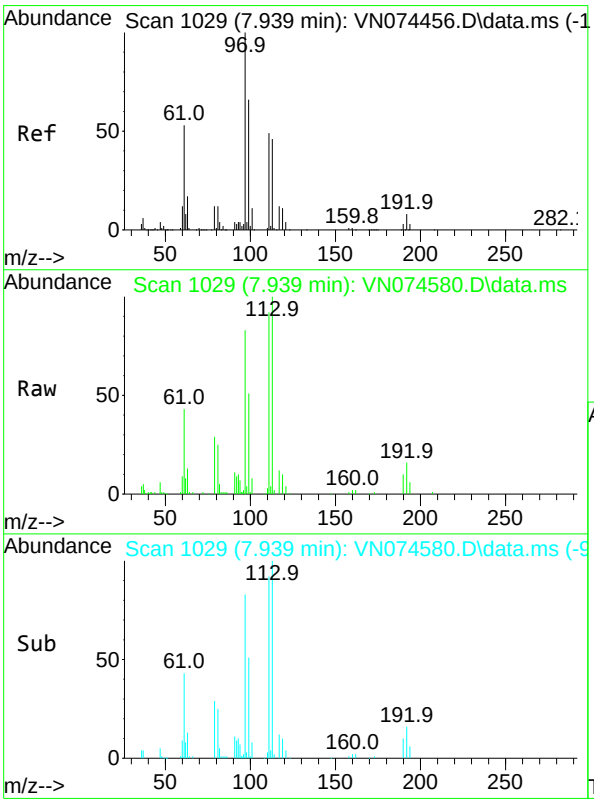
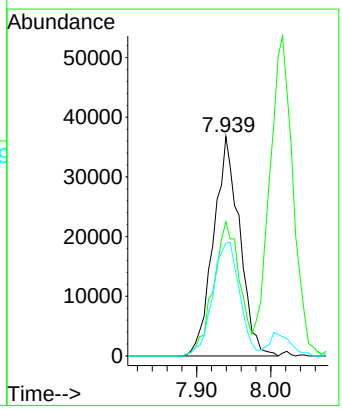
Supervised By :Mahesh Dadoda 09/21/2022

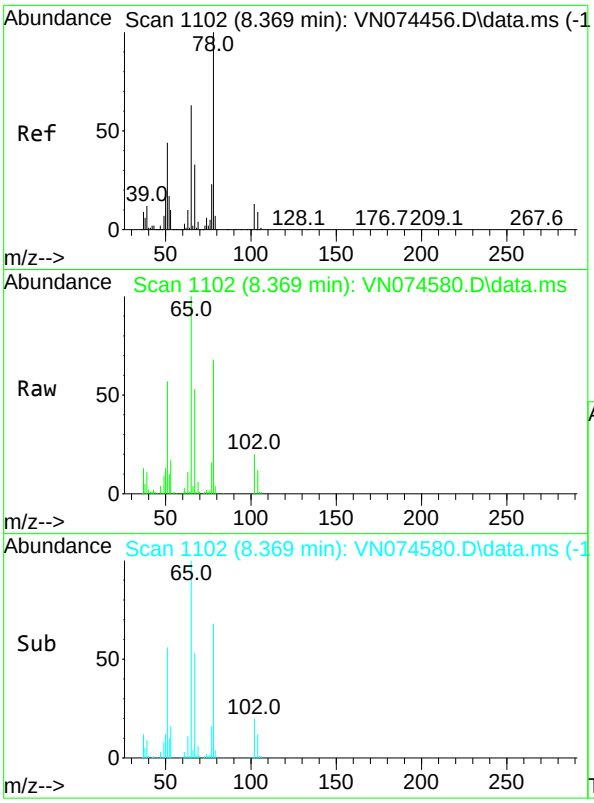


#32
1,1,1-Trichloroethane
Concen: 18.374 ug/l
RT: 7.939 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VN074580.D
Acq: 19 Sep 2022 12:48

Tgt Ion: 97 Resp: 89742

Ion	Ratio	Lower	Upper
97	100		
99	61.9	50.6	76.0
61	53.8	36.0	54.0

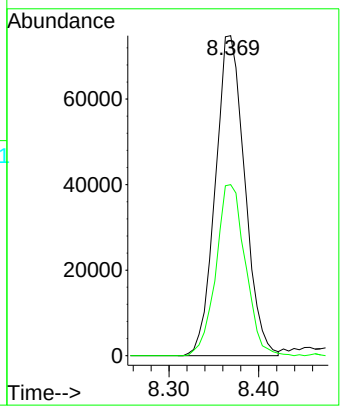




#33
1,2-Dichloroethane-d4
Concen: 52.429 ug/l
RT: 8.369 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074580.D
Acq: 19 Sep 2022 12:48

Tgt Ion: 65 Resp: 17003

Ion	Ratio	Lower	Upper
65	100		
67	53.4	0.0	104.8



Instrument :
MSVOA_N
ClientSampleId :
VN0919WBS01

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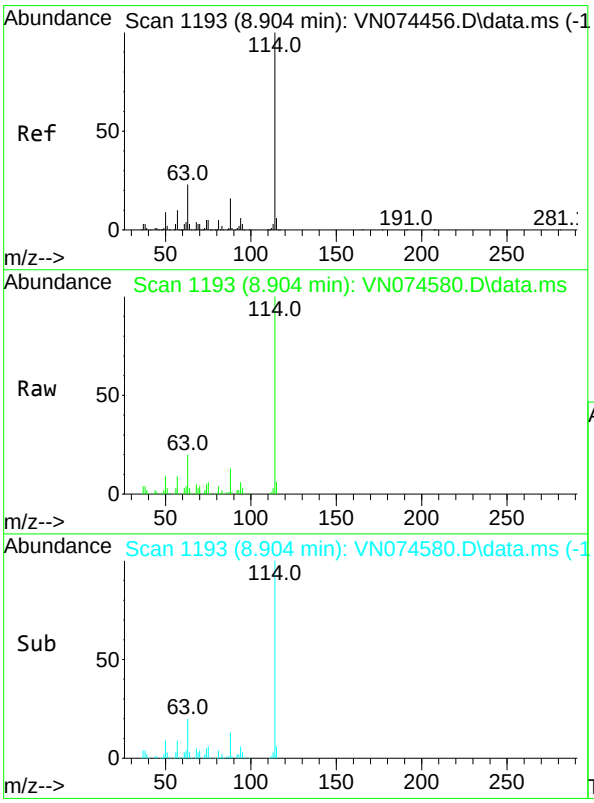
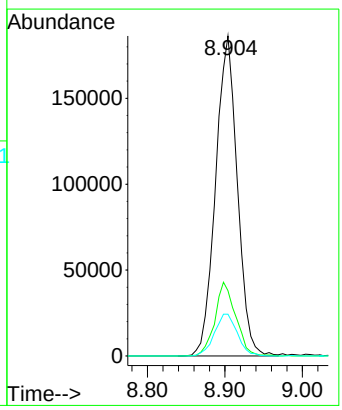
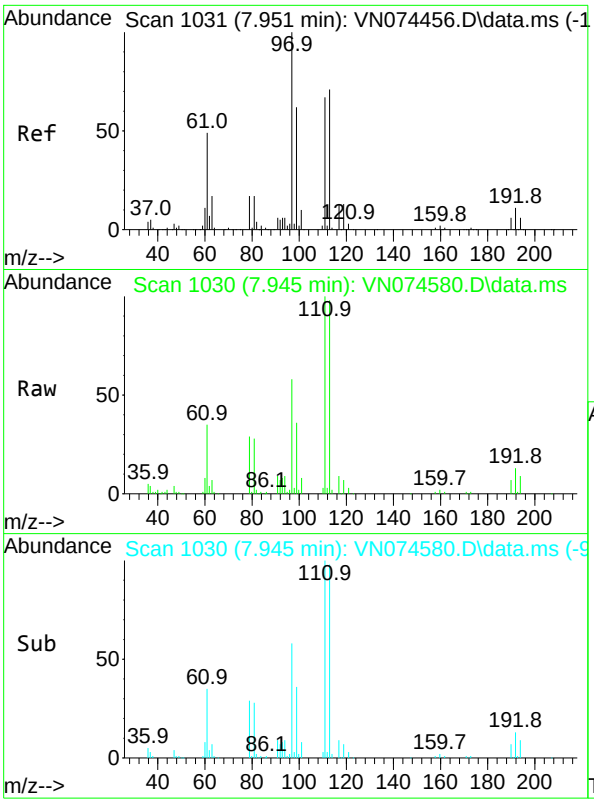


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. -0.000 min
Lab File: VN074580.D
Acq: 19 Sep 2022 12:48

Tgt Ion:114 Resp: 364202

Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	40.0
88	13.1	0.0	32.6

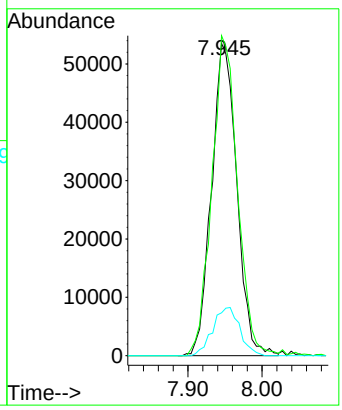




#35
Dibromofluoromethane
Concen: 52.315 ug/l
RT: 7.945 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN074580.D
Acq: 19 Sep 2022 12:48

Tgt Ion:113 Resp: 12656

Ion	Ratio	Lower	Upper
113	100		
111	103.8	81.4	122.0
192	16.5	17.0	25.6



Instrument :
MSVOA_N
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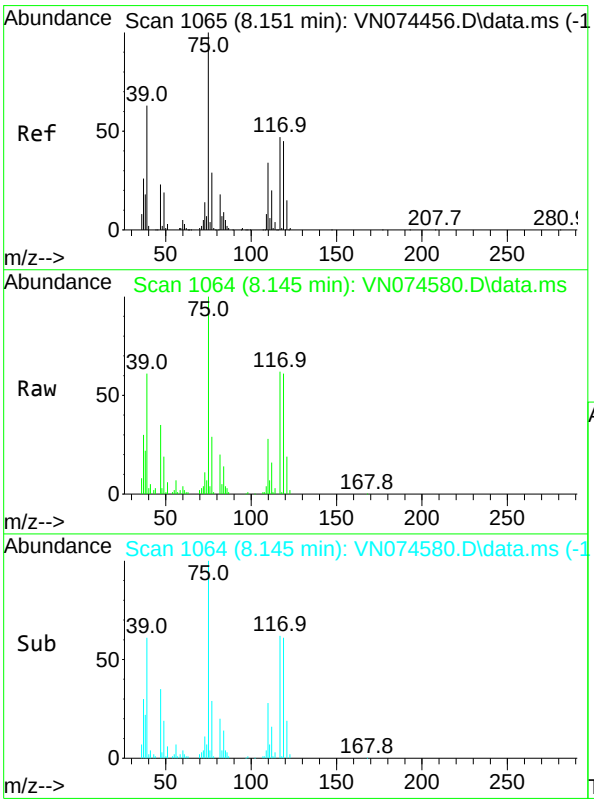
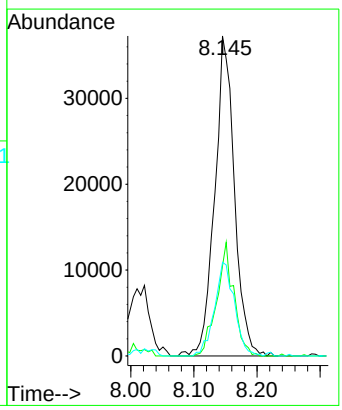
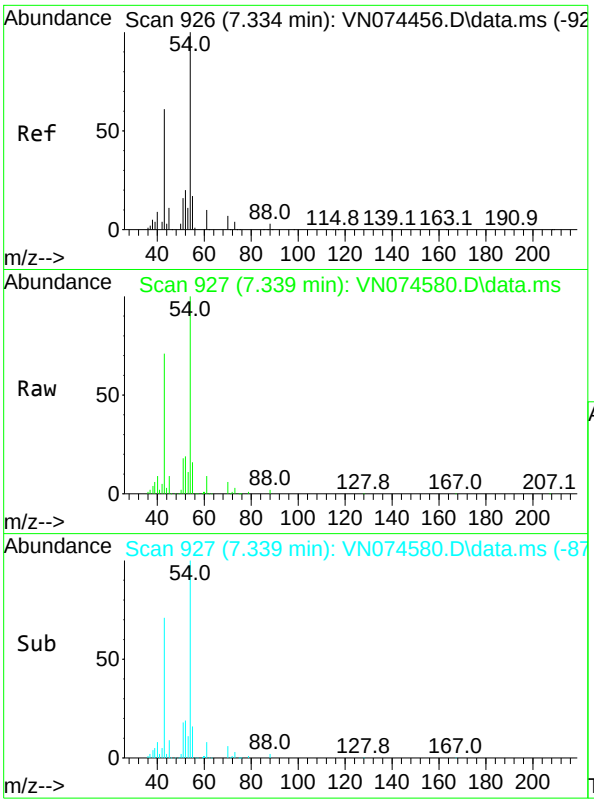


#36
1,1-Dichloropropene
Concen: 18.861 ug/l
RT: 8.145 min Scan# 1064
Delta R.T. -0.006 min
Lab File: VN074580.D
Acq: 19 Sep 2022 12:48

Tgt Ion: 75 Resp: 80769

Ion	Ratio	Lower	Upper
75	100		
110	30.9	18.3	54.8
77	29.7	25.1	37.7

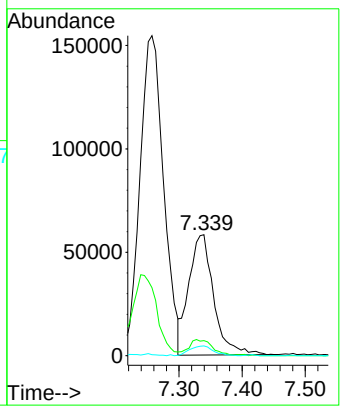




#37
Ethyl Acetate
Concen: 24.154 ug/l
RT: 7.339 min Scan# 9
Delta R.T. 0.005 min
Lab File: VN074580.D
Acq: 19 Sep 2022 12:48

Tgt Ion: 43 Resp: 15973

Ion	Ratio	Lower	Upper
43	100		
61	11.9	11.8	17.6
70	7.7	9.3	13.9



Instrument :
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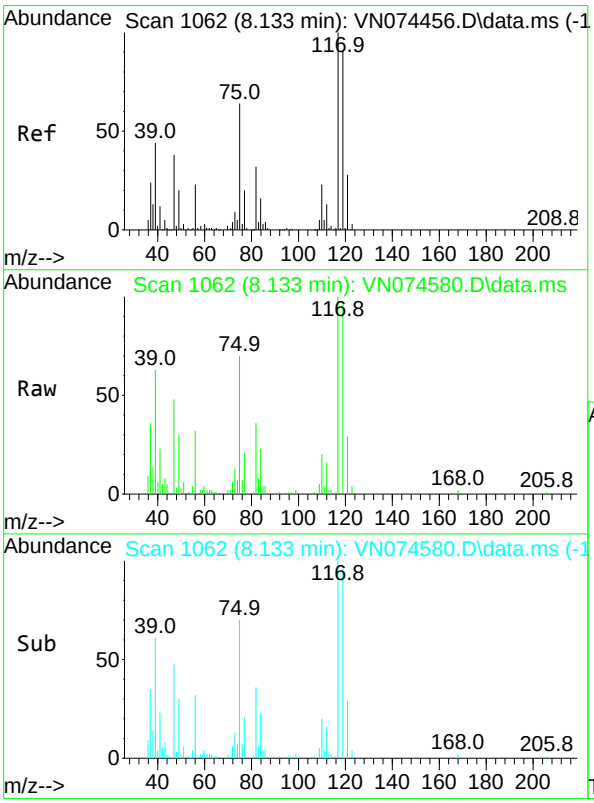
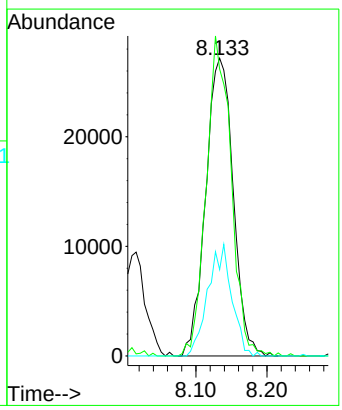
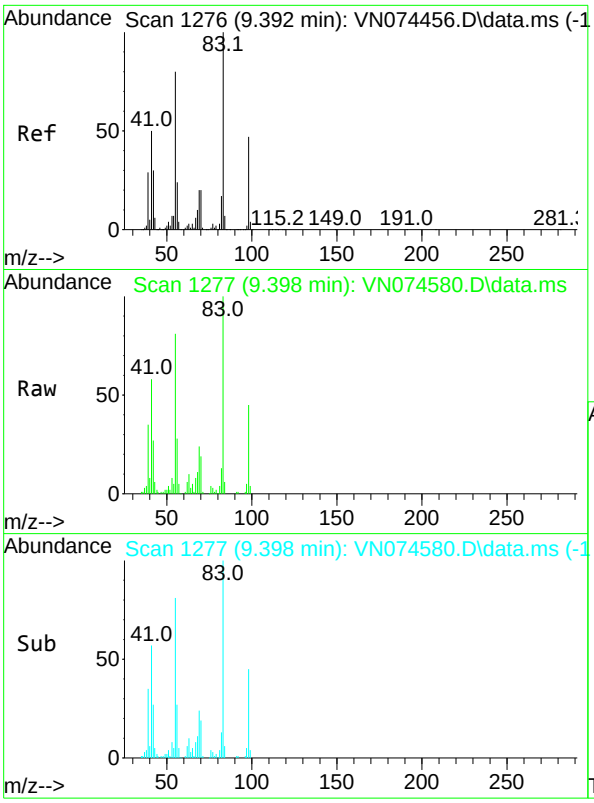


#38
Carbon Tetrachloride
Concen: 18.468 ug/l
RT: 8.133 min Scan# 1062
Delta R.T. 0.000 min
Lab File: VN074580.D
Acq: 19 Sep 2022 12:48

Tgt Ion:117 Resp: 73018

Ion	Ratio	Lower	Upper
117	100		
119	96.3	75.8	113.8
121	29.0	24.6	37.0

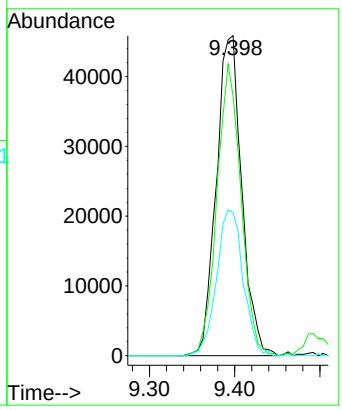




#39
Methylcyclohexane
Concen: 18.747 ug/l
RT: 9.398 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN074580.D
Acq: 19 Sep 2022 12:48

Tgt Ion: 83 Resp: 9546

Ion	Ratio	Lower	Upper
83	100		
55	81.1	57.8	86.8
98	44.7	39.4	59.2



Instrument :
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ClientSampleId :
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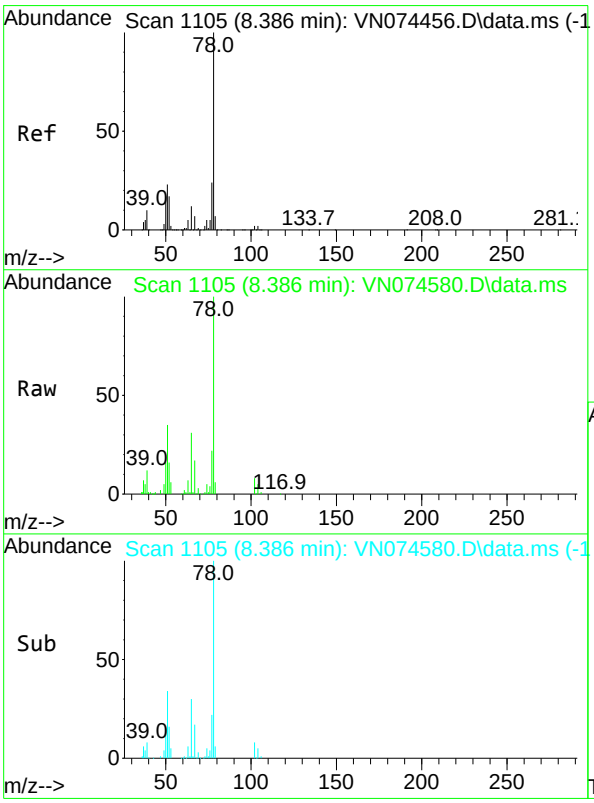
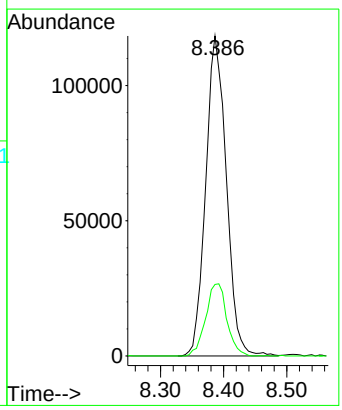
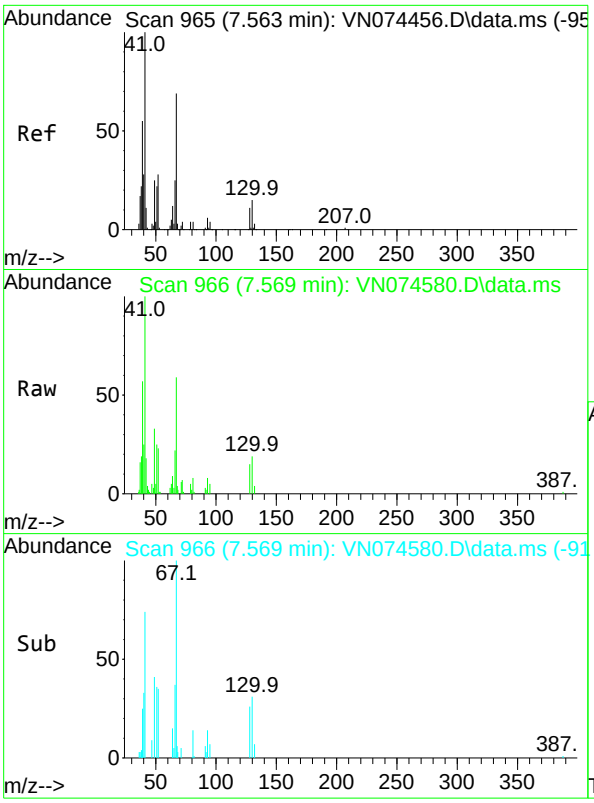


#40
Benzene
Concen: 20.273 ug/l
RT: 8.386 min Scan# 1105
Delta R.T. 0.000 min
Lab File: VN074580.D
Acq: 19 Sep 2022 12:48

Tgt Ion: 78 Resp: 268453

Ion	Ratio	Lower	Upper
78	100		
77	22.4	19.4	29.0

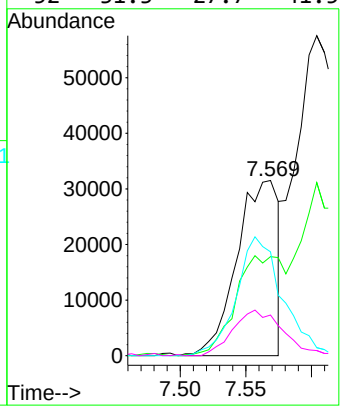




#41
Methacrylonitrile
Concen: 21.784 ug/l
RT: 7.569 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN074580.D
Acq: 19 Sep 2022 12:48

Tgt Ion: 41 Resp: 6965

Ion	Ratio	Lower	Upper
41	100		
39	66.5	48.6	73.0
67	75.1	73.4	110.2
52	31.3	27.7	41.5



Instrument :
MSVOA_N
ClientSampleId :
VN0919WBS01

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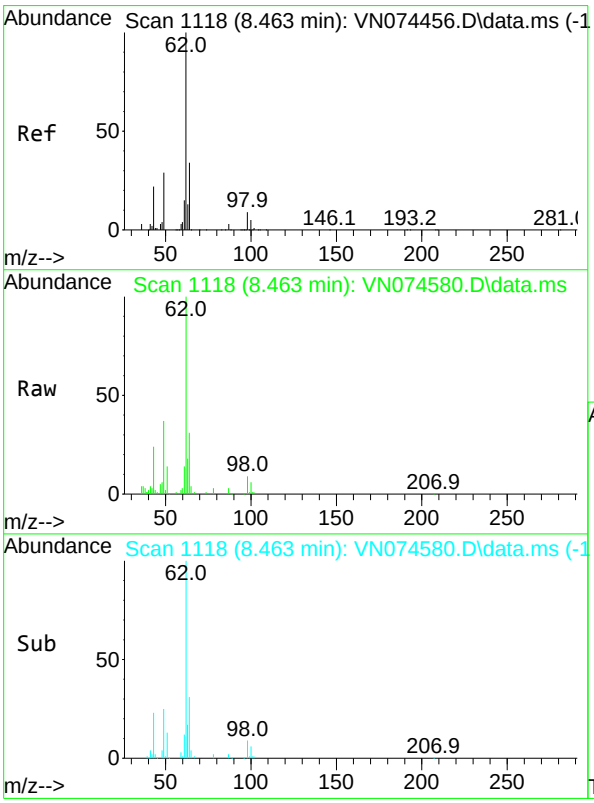
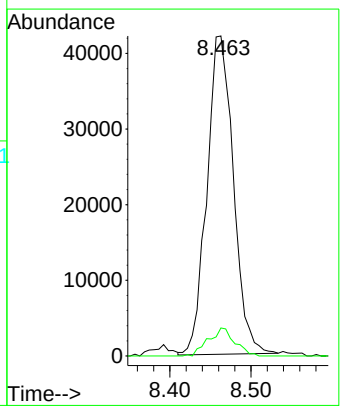
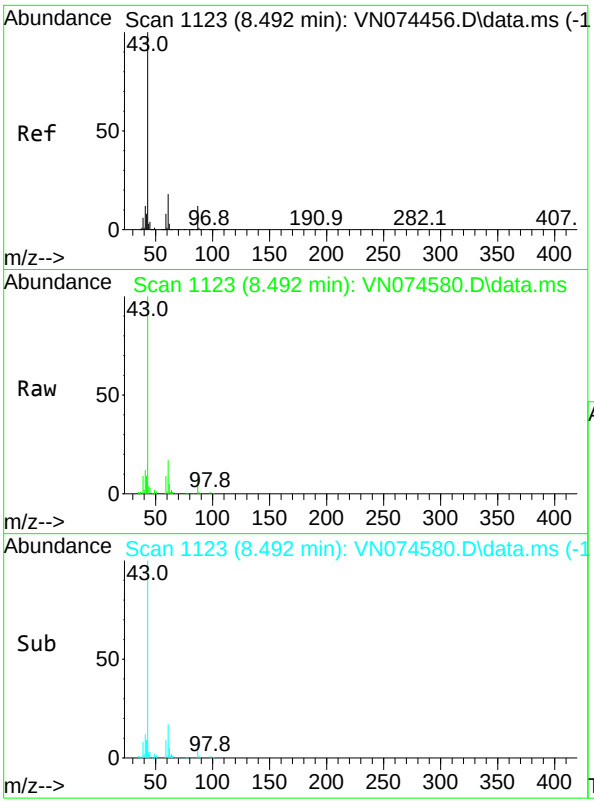


#42
1,2-Dichloroethane
Concen: 20.987 ug/l
RT: 8.463 min Scan# 1118
Delta R.T. -0.000 min
Lab File: VN074580.D
Acq: 19 Sep 2022 12:48

Tgt Ion: 62 Resp: 95371

Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	19.4

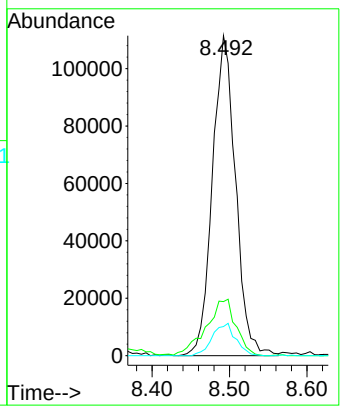




#43
Isopropyl Acetate
Concen: 22.349 ug/l
RT: 8.492 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074580.D
Acq: 19 Sep 2022 12:48

Tgt Ion: 43 Resp: 23151

Ion	Ratio	Lower	Upper
43	100		
61	22.8	21.9	32.9
87	10.2	12.0	18.0#



Instrument :
MSVOA_N
ClientSampleId :
VN0919WBS01

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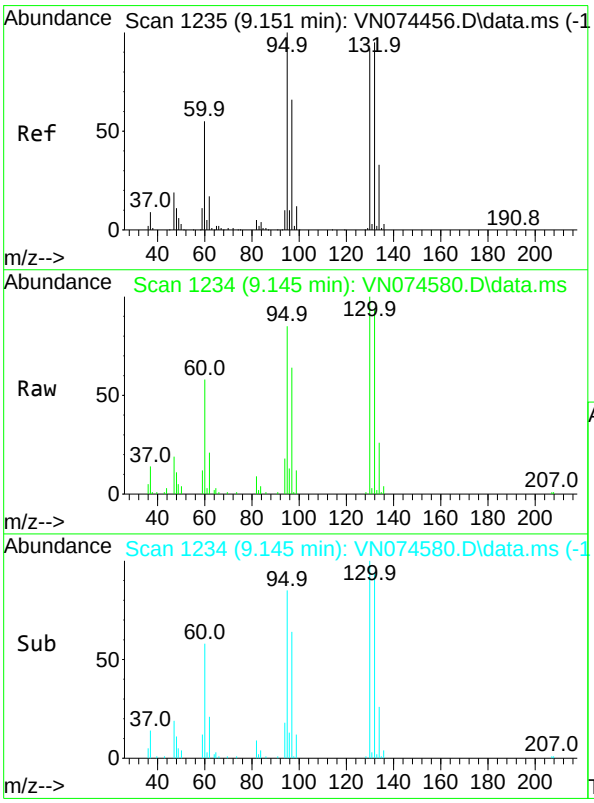
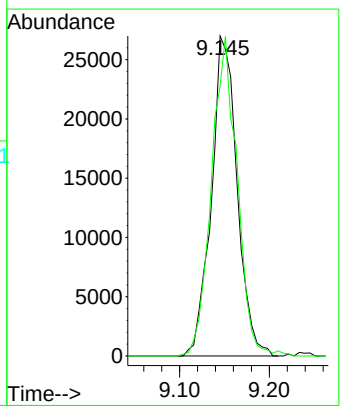
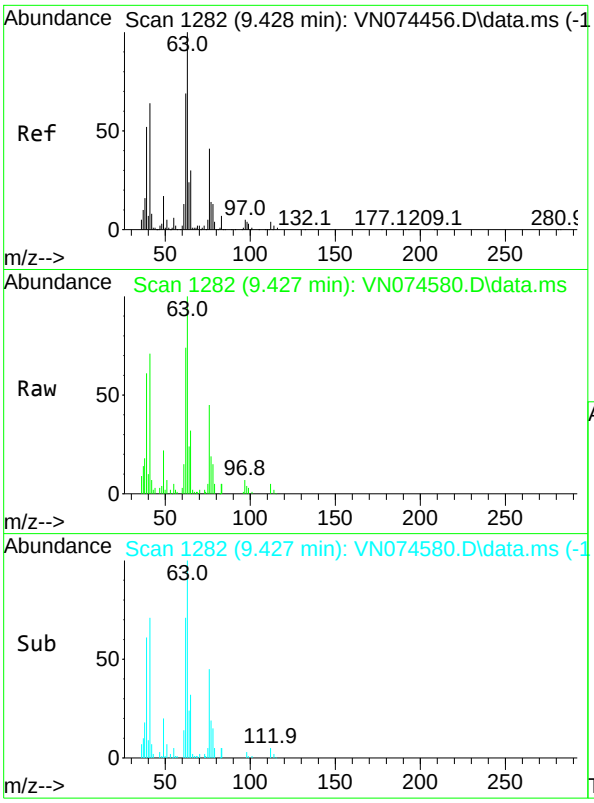


#44
Trichloroethene
Concen: 18.775 ug/l
RT: 9.145 min Scan# 1234
Delta R.T. -0.006 min
Lab File: VN074580.D
Acq: 19 Sep 2022 12:48

Tgt Ion:130 Resp: 53798

Ion	Ratio	Lower	Upper
130	100		
95	84.5	0.0	186.8

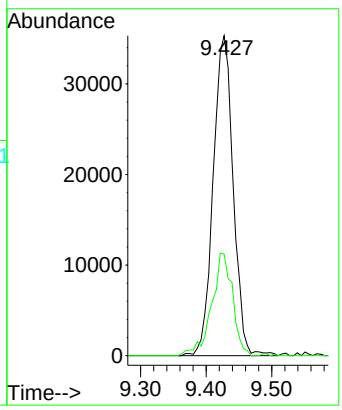




#45
1,2-Dichloropropane
Concen: 20.520 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.001 min
Lab File: VN074580.D
Acq: 19 Sep 2022 12:48

Tgt Ion: 63 Resp: 7467

Ion	Ratio	Lower	Upper
63	100		
65	31.7	24.9	37.3



Instrument :
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ClientSampleId :
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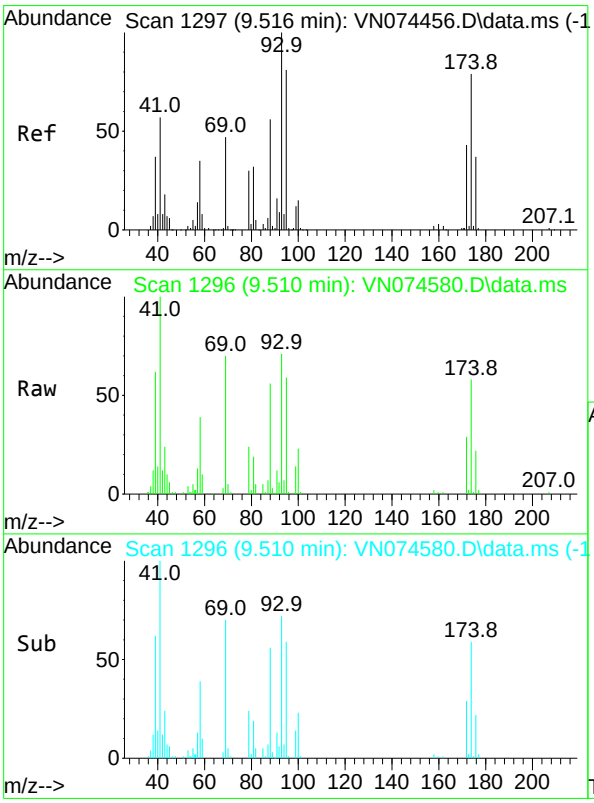
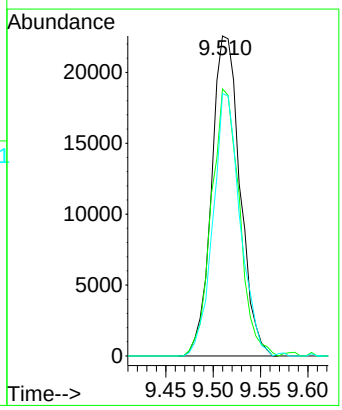
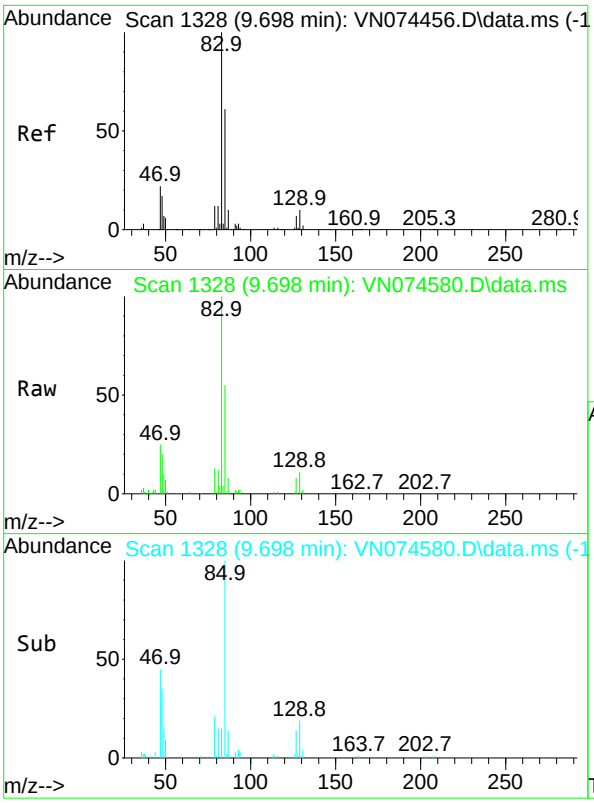


#46
Dibromomethane
Concen: 20.665 ug/l
RT: 9.510 min Scan# 1296
Delta R.T. -0.006 min
Lab File: VN074580.D
Acq: 19 Sep 2022 12:48

Tgt Ion: 93 Resp: 47100

Ion	Ratio	Lower	Upper
93	100		
95	81.9	66.9	100.3
174	78.7	86.6	130.0#

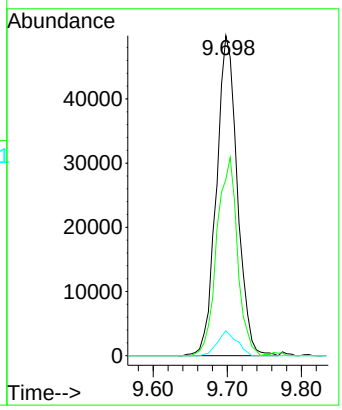




#47
Bromodichloromethane
Concen: 21.856 ug/l
RT: 9.698 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074580.D
Acq: 19 Sep 2022 12:48

Tgt Ion: 83 Resp: 9766

Ion	Ratio	Lower	Upper
83	100		
85	55.1	50.5	75.7
127	7.7	6.8	10.2



Instrument :
MSVOA_N
ClientSampleId :
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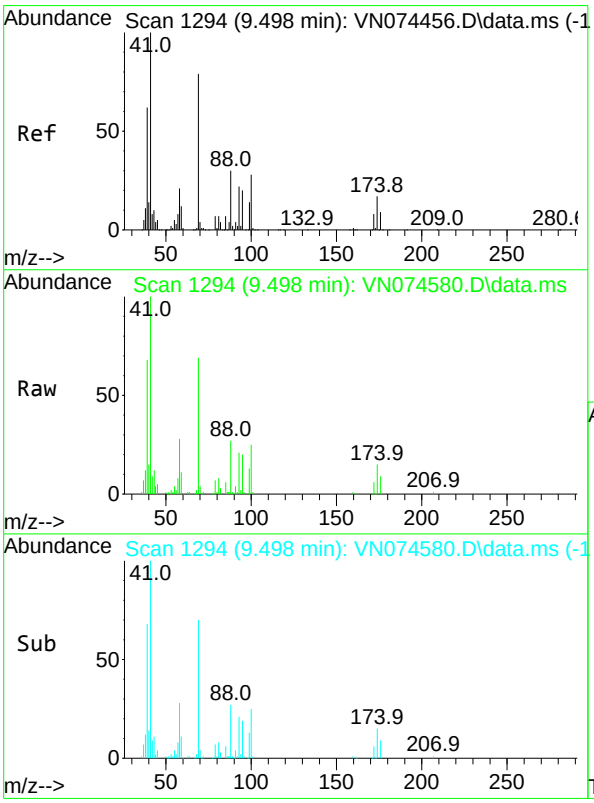
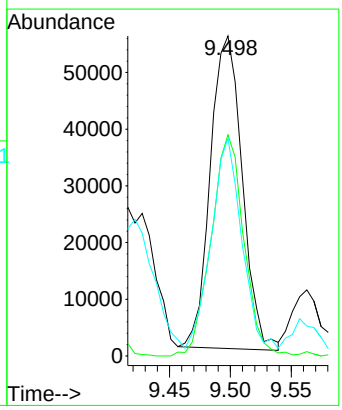
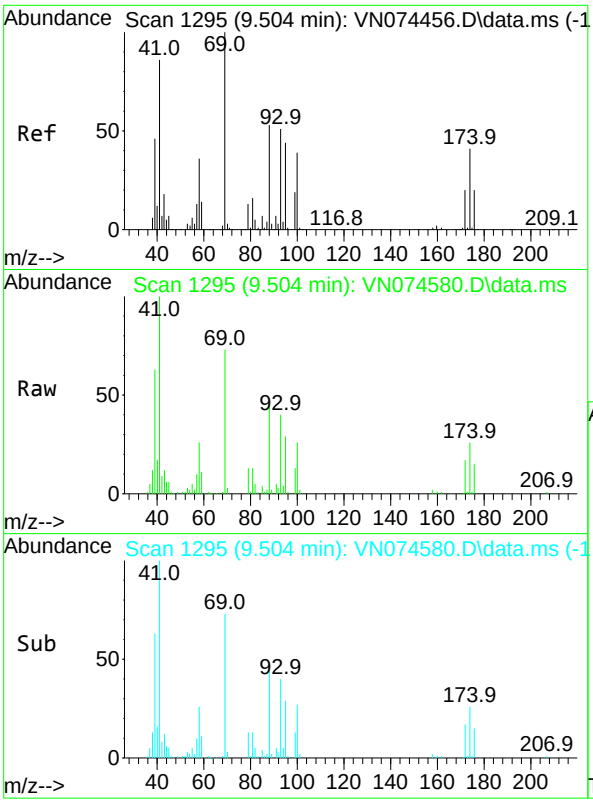


#48
Methyl methacrylate
Concen: 21.883 ug/l
RT: 9.498 min Scan# 1294
Delta R.T. 0.000 min
Lab File: VN074580.D
Acq: 19 Sep 2022 12:48

Tgt Ion: 41 Resp: 100513

Ion	Ratio	Lower	Upper
41	100		
69	72.5	74.7	112.1#
39	69.0	45.6	68.4#

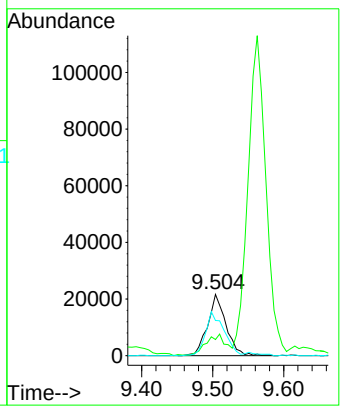




#49
1,4-Dioxane
Concen: 440.952 ug/l
RT: 9.504 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074580.D
Acq: 19 Sep 2022 12:48

Tgt Ion: 88 Resp: 3894

Ion	Ratio	Lower	Upper
88	100		
43	36.2	20.2	30.4
58	72.4	54.2	81.4



Instrument :
MSVOA_N
ClientSampleId :
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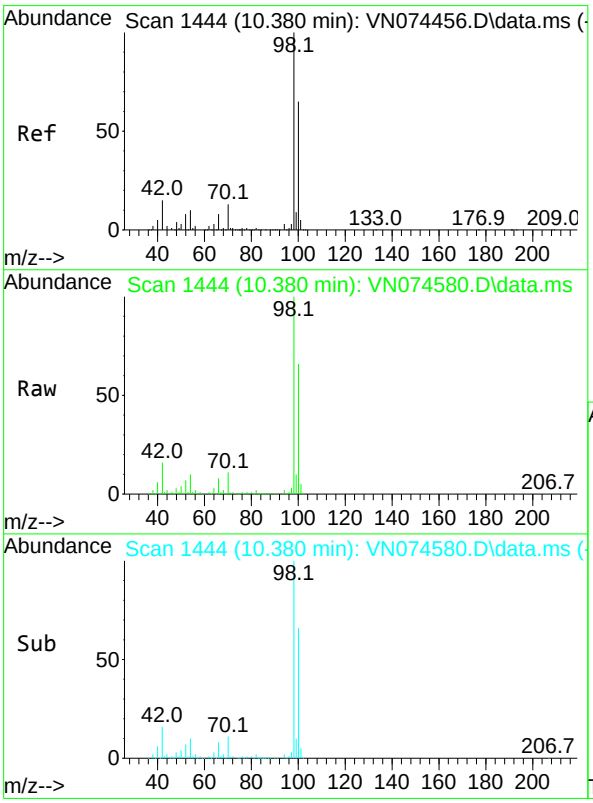
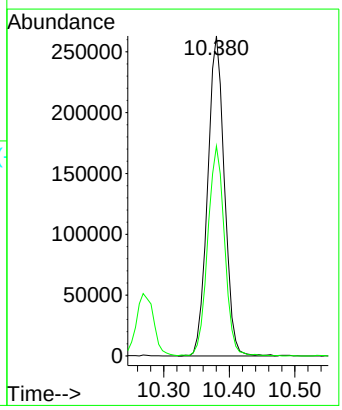
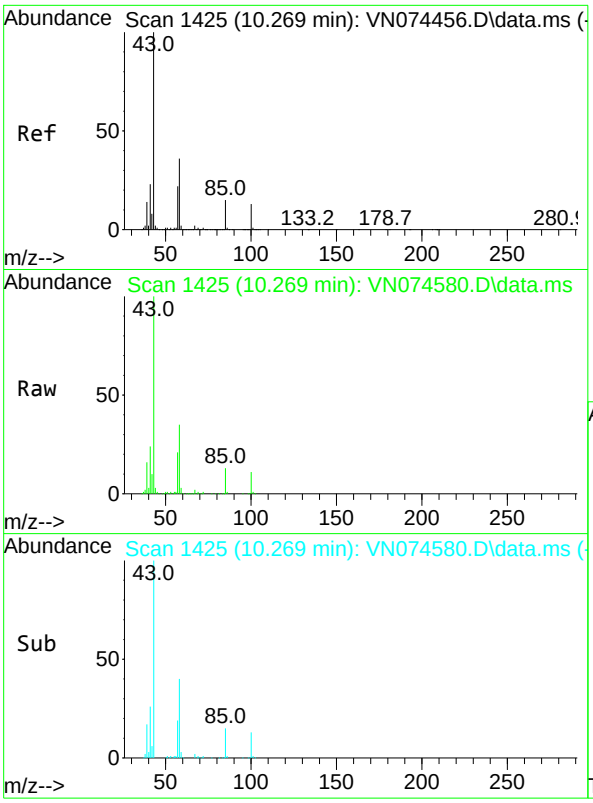


#50
Toluene-d8
Concen: 49.919 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074580.D
Acq: 19 Sep 2022 12:48

Tgt Ion: 98 Resp: 467068

Ion	Ratio	Lower	Upper
98	100		
100	65.9	52.6	78.8

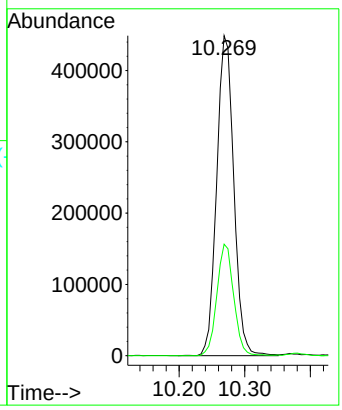




#51
4-Methyl-2-Pentanone
Concen: 120.135 ug/l
RT: 10.269 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN074580.D
Acq: 19 Sep 2022 12:48

Tgt Ion: 43 Resp: 81267

Ion	Ratio	Lower	Upper
43	100		
58	34.2	34.1	51.1



Instrument :
MSVOA_N
ClientSampleId :
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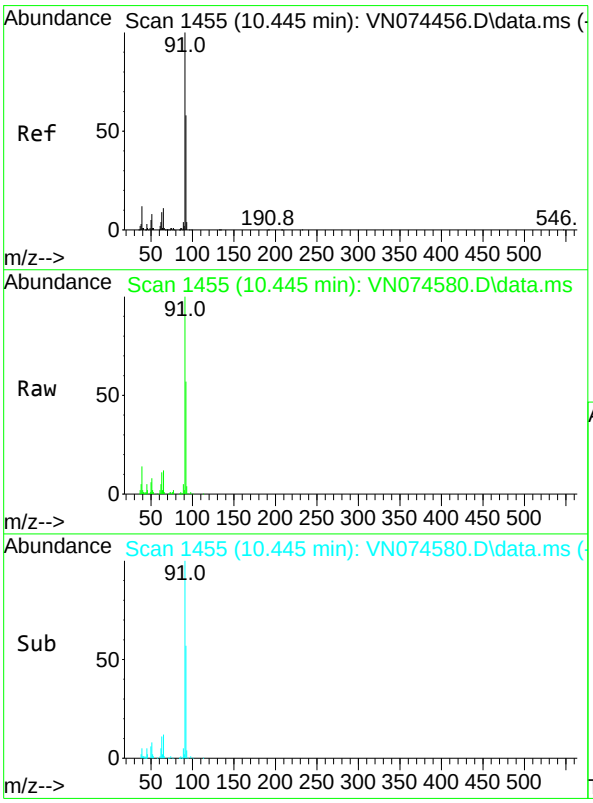
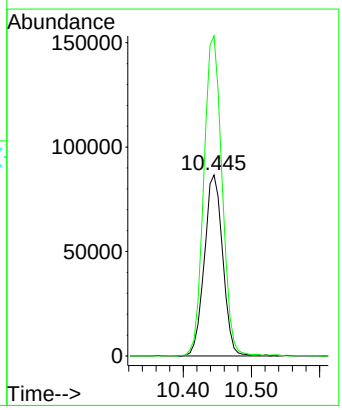
Supervised By :Mahesh Dadoda 09/21/2022

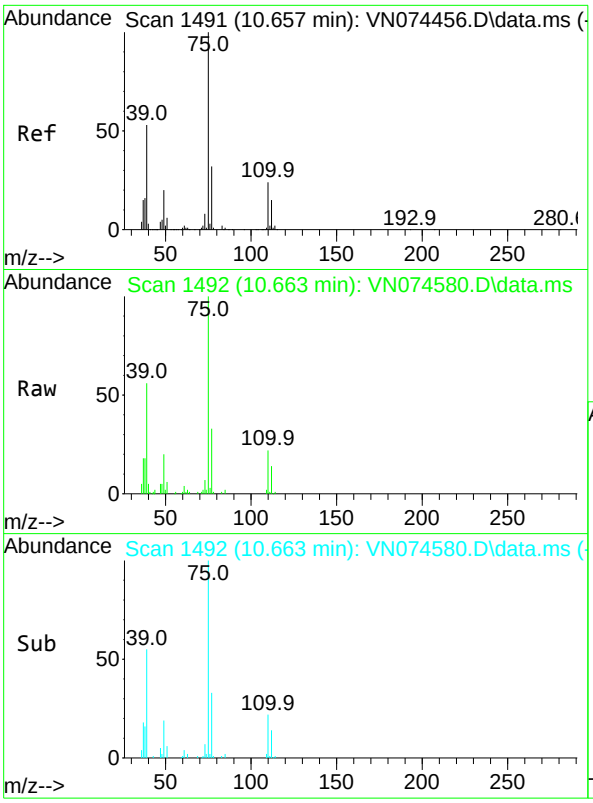


#52
Toluene
Concen: 20.944 ug/l
RT: 10.445 min Scan# 1455
Delta R.T. 0.000 min
Lab File: VN074580.D
Acq: 19 Sep 2022 12:48

Tgt Ion: 92 Resp: 162635

Ion	Ratio	Lower	Upper
92	100		
91	175.6	138.6	207.8

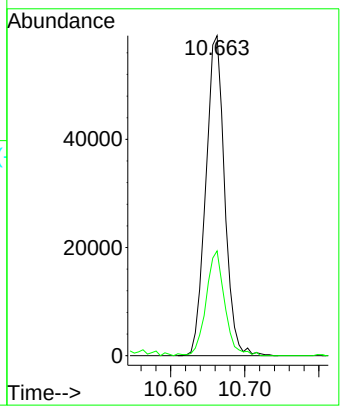




#53
t-1,3-Dichloropropene
Concen: 20.000 ug/l
RT: 10.663 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN074580.D
Acq: 19 Sep 2022 12:48

Tgt Ion: 75 Resp: 10415

Ion	Ratio	Lower	Upper
75	100		
77	32.8	25.6	38.4



Instrument :
MSVOA_N
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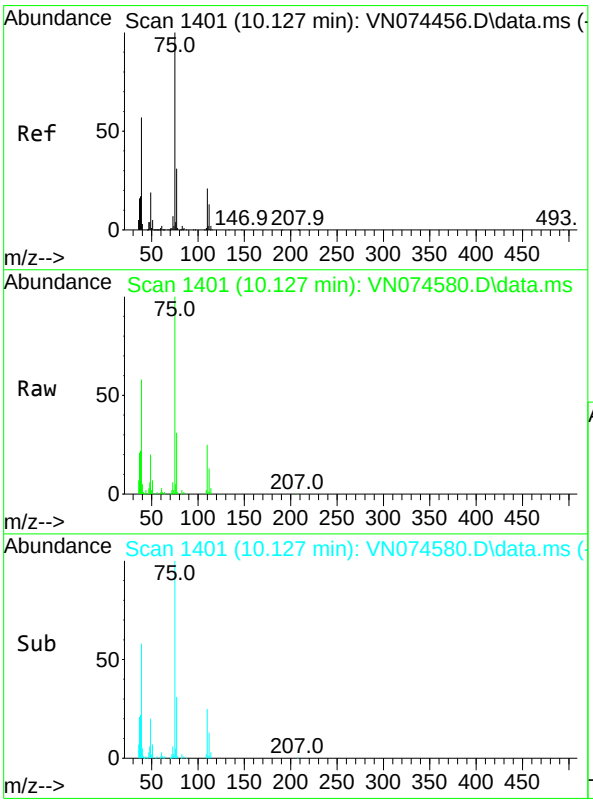
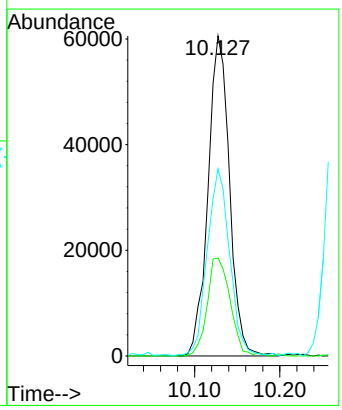
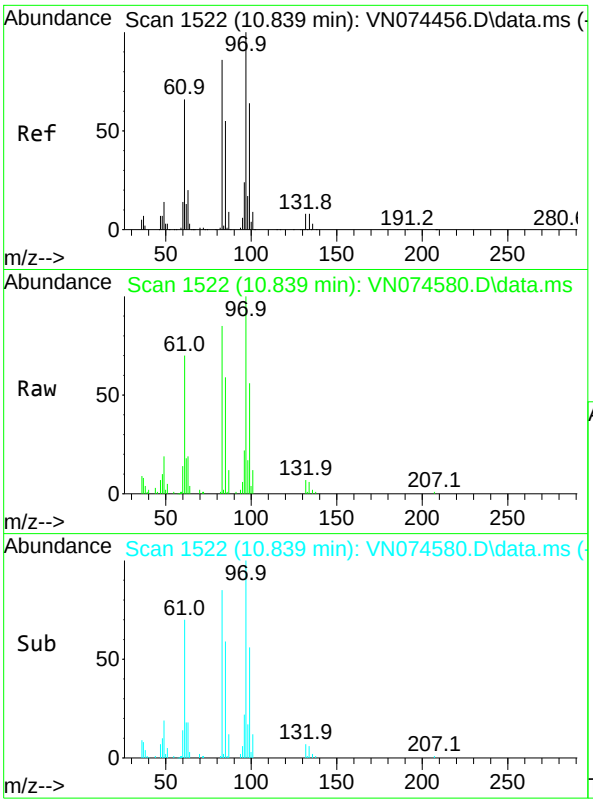


#54
cis-1,3-Dichloropropene
Concen: 19.080 ug/l
RT: 10.127 min Scan# 1401
Delta R.T. 0.000 min
Lab File: VN074580.D
Acq: 19 Sep 2022 12:48

Tgt Ion: 75 Resp: 106342

Ion	Ratio	Lower	Upper
75	100		
77	30.6	25.2	37.8
39	58.1	35.7	53.5#

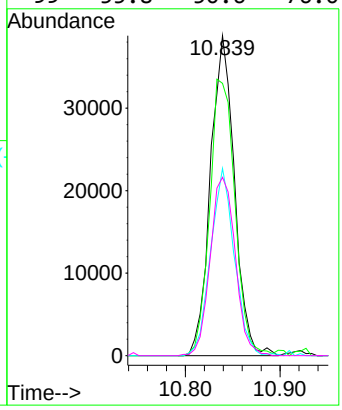




#55
1,1,2-Trichloroethane
Concen: 20.726 ug/l
RT: 10.839 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074580.D
Acq: 19 Sep 2022 12:48

Tgt Ion: 97 Resp: 6817

Ion	Ratio	Lower	Upper
97	100		
83	85.1	66.2	99.4
85	58.5	43.9	65.9
99	55.8	50.6	76.0



Instrument :
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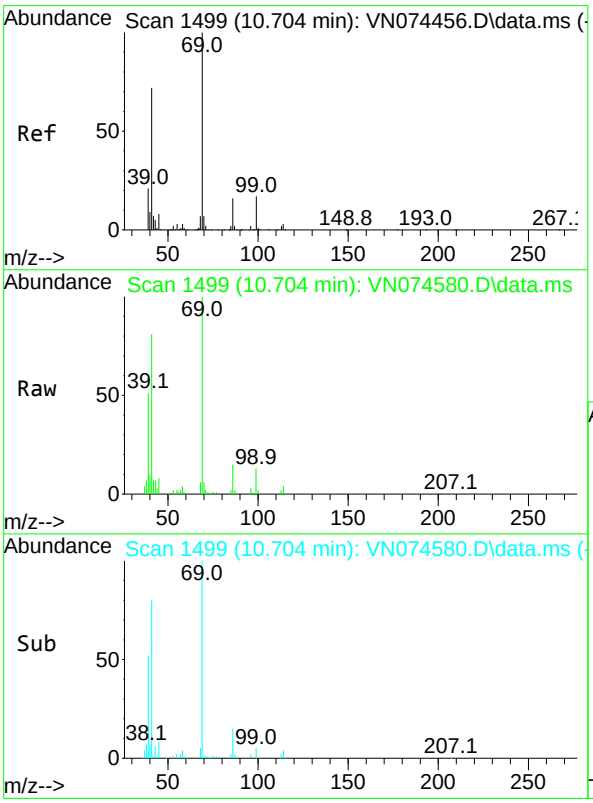
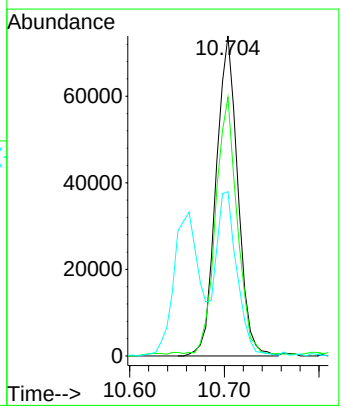
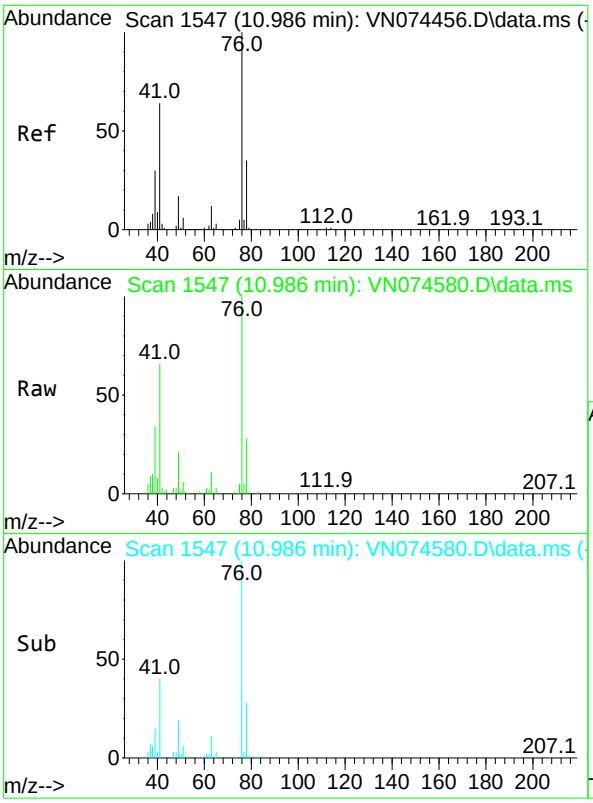


#56
Ethyl methacrylate
Concen: 20.063 ug/l
RT: 10.704 min Scan# 1499
Delta R.T. -0.000 min
Lab File: VN074580.D
Acq: 19 Sep 2022 12:48

Tgt Ion: 69 Resp: 117876

Ion	Ratio	Lower	Upper
69	100		
41	80.0	47.8	71.6#
39	50.0	27.3	40.9#

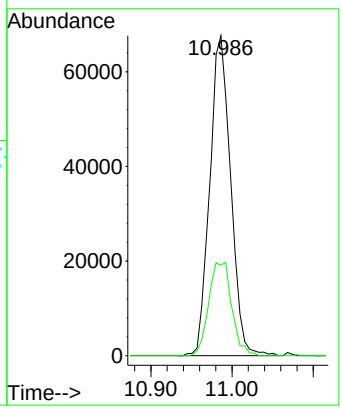




#57
1,3-Dichloropropane
Concen: 20.967 ug/l
RT: 10.986 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074580.D
Acq: 19 Sep 2022 12:48

Tgt Ion: 76 Resp: 12091

Ion	Ratio	Lower	Upper
76	100		
78	32.1	26.2	39.2



Instrument :
MSVOA_N
ClientSampleId :
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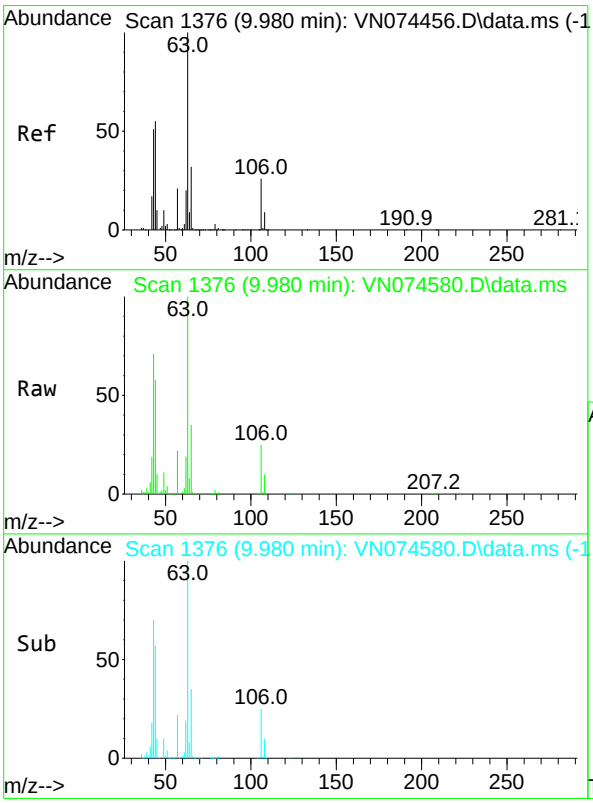
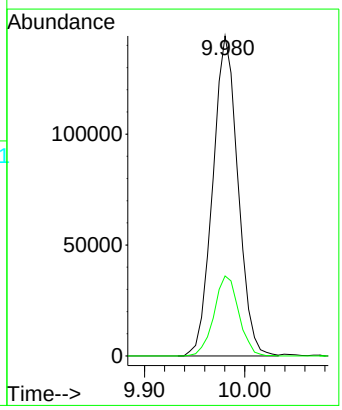
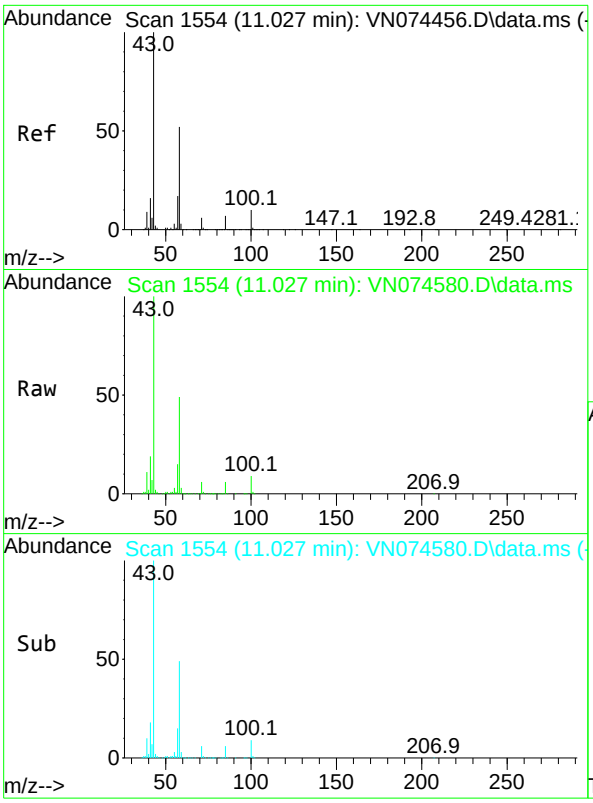


#58
2-Chloroethyl Vinyl ether
Concen: 97.479 ug/l
RT: 9.980 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VN074580.D
Acq: 19 Sep 2022 12:48

Tgt Ion: 63 Resp: 252052

Ion	Ratio	Lower	Upper
63	100		
106	24.5	24.6	36.8#





#59
2-Hexanone
Concen: 119.549 ug/l
RT: 11.027 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074580.D
Acq: 19 Sep 2022 12:48

Tgt Ion: 43 Resp: 61735

Ion	Ratio	Lower	Upper
43	100		
58	49.3	29.7	89.1

Instrument :
MSVOA_N
ClientSampleId :
VN0919WBS01

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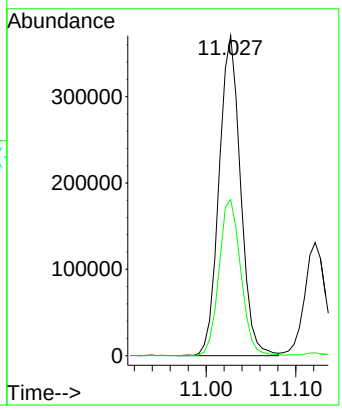
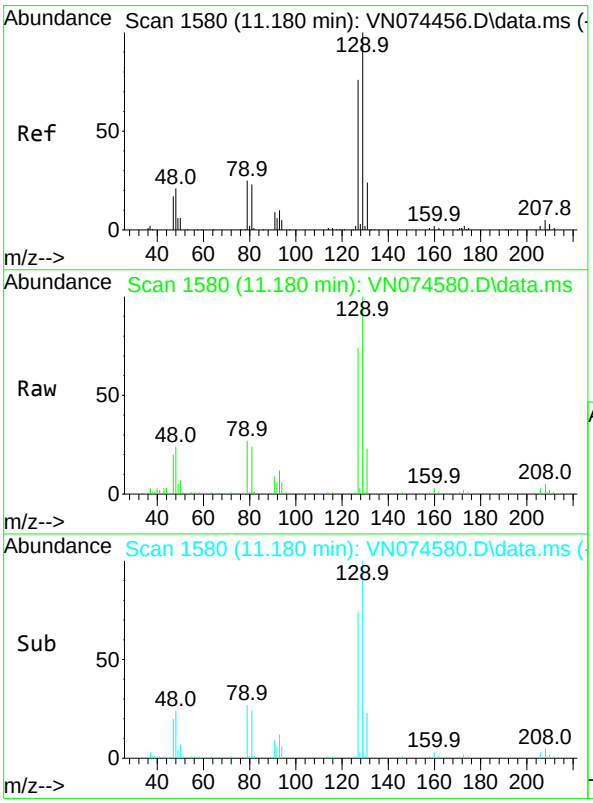
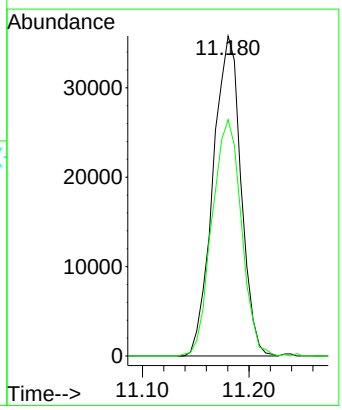


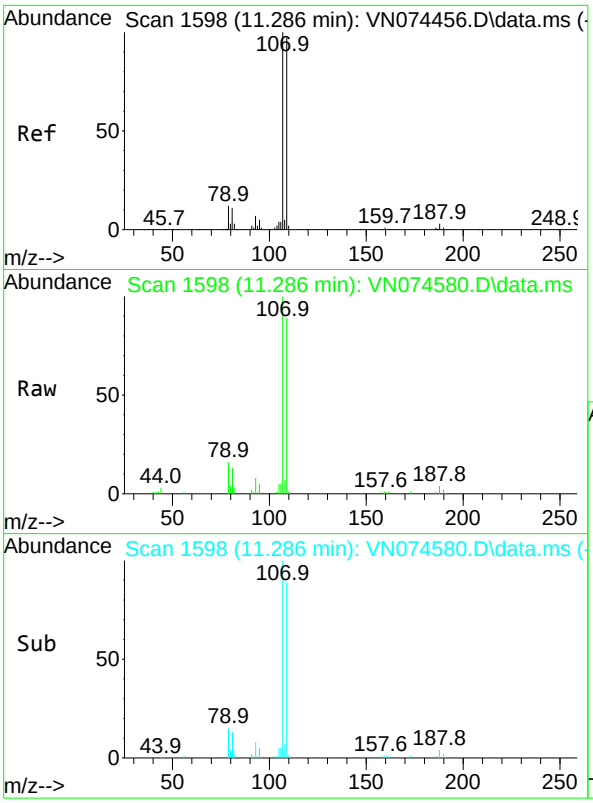


#60
Dibromochloromethane
Concen: 20.679 ug/l
RT: 11.180 min Scan# 1580
Delta R.T. 0.000 min
Lab File: VN074580.D
Acq: 19 Sep 2022 12:48

Tgt Ion:129 Resp: 65112

Ion	Ratio	Lower	Upper
129	100		
127	77.6	38.8	116.4

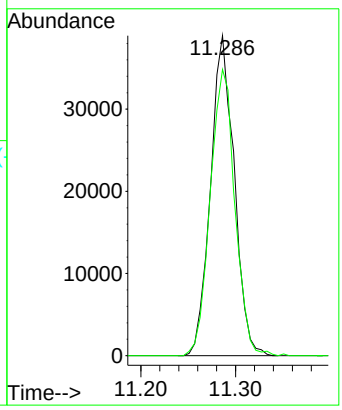




#61
1,2-Dibromoethane
Concen: 21.179 ug/l
RT: 11.286 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074580.D
Acq: 19 Sep 2022 12:48

Tgt Ion:107 Resp: 6767

Ion	Ratio	Lower	Upper
107	100		
109	93.3	75.0	112.6



Instrument :
MSVOA_N
ClientSampleId :
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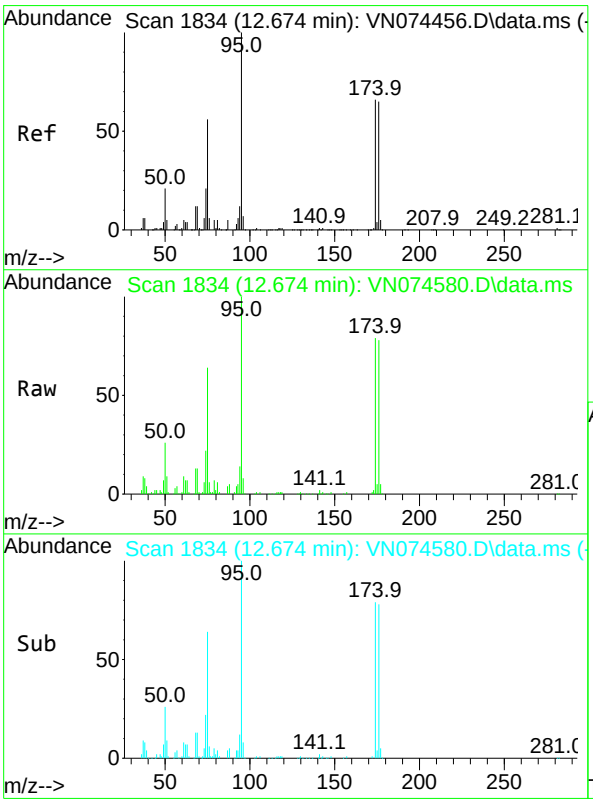
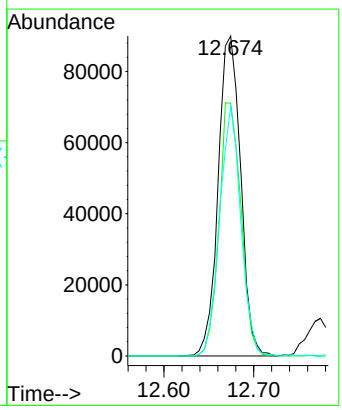
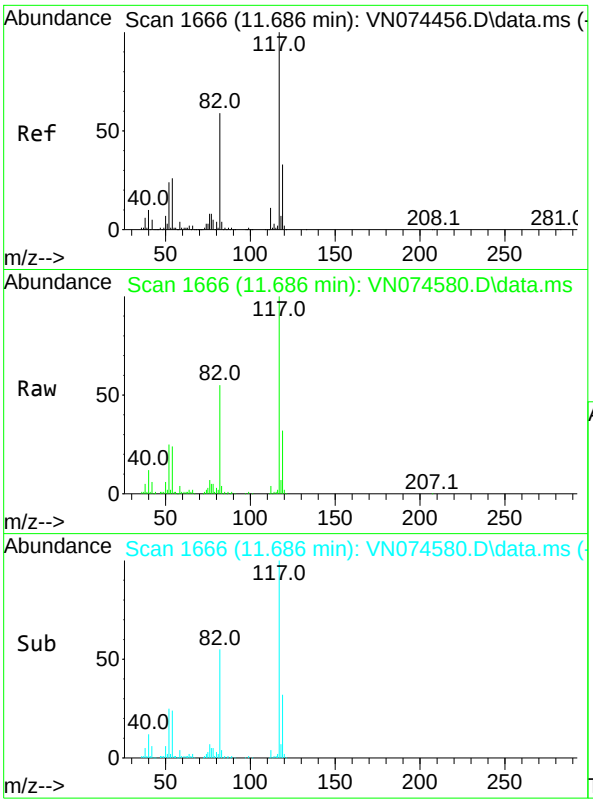


#62
4-Bromofluorobenzene
Concen: 48.874 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN074580.D
Acq: 19 Sep 2022 12:48

Tgt Ion: 95 Resp: 156619

Ion	Ratio	Lower	Upper
95	100		
174	76.8	0.0	167.6
176	73.8	0.0	163.4

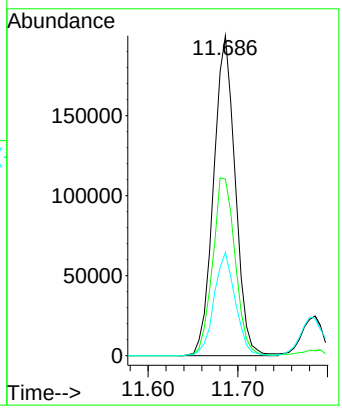




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VN074580.D
Acq: 19 Sep 2022 12:48

Tgt Ion:117 Resp: 33482

Ion	Ratio	Lower	Upper
117	100		
82	55.3	44.2	66.2
119	32.2	25.4	38.0



Instrument :
MSVOA_N
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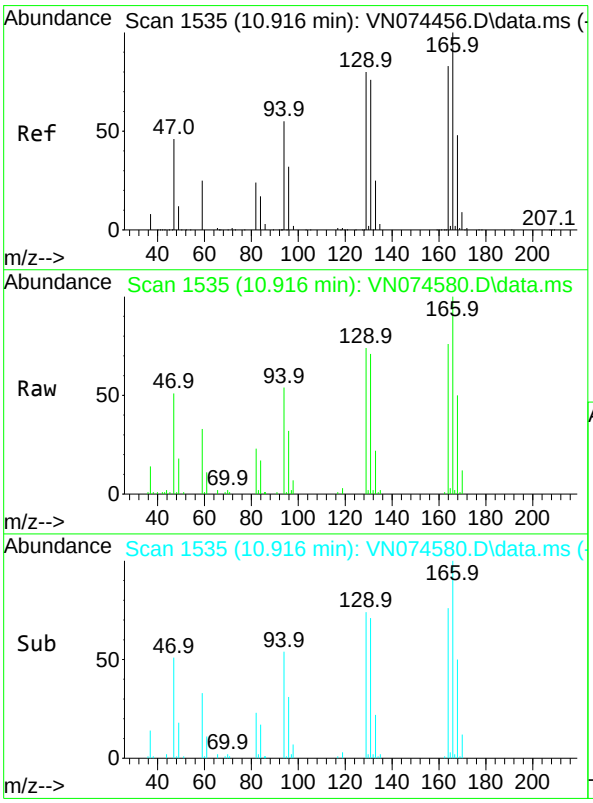
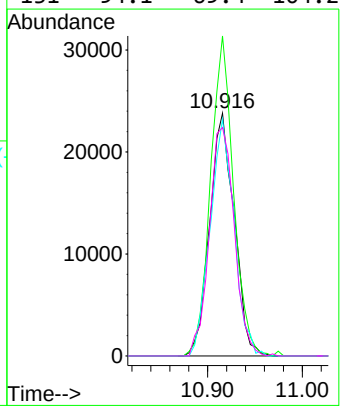
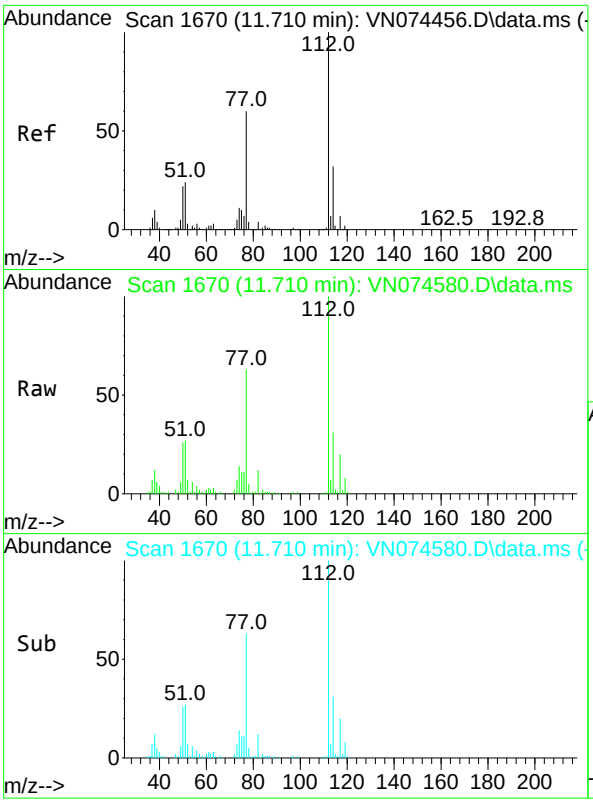


#64
Tetrachloroethene
Concen: 18.675 ug/l
RT: 10.916 min Scan# 1535
Delta R.T. -0.000 min
Lab File: VN074580.D
Acq: 19 Sep 2022 12:48

Tgt Ion:164 Resp: 42911

Ion	Ratio	Lower	Upper
164	100		
166	131.8	104.2	156.2
129	97.6	73.9	110.9
131	94.1	69.4	104.2

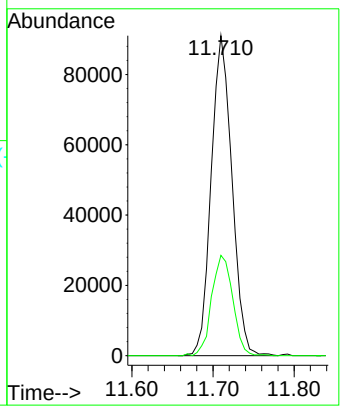




#65
Chlorobenzene
Concen: 19.258 ug/l
RT: 11.710 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074580.D
Acq: 19 Sep 2022 12:48

Tgt Ion:112 Resp: 16187

Ion	Ratio	Lower	Upper
112	100		
114	31.4	25.4	38.2



Instrument :
MSVOA_N
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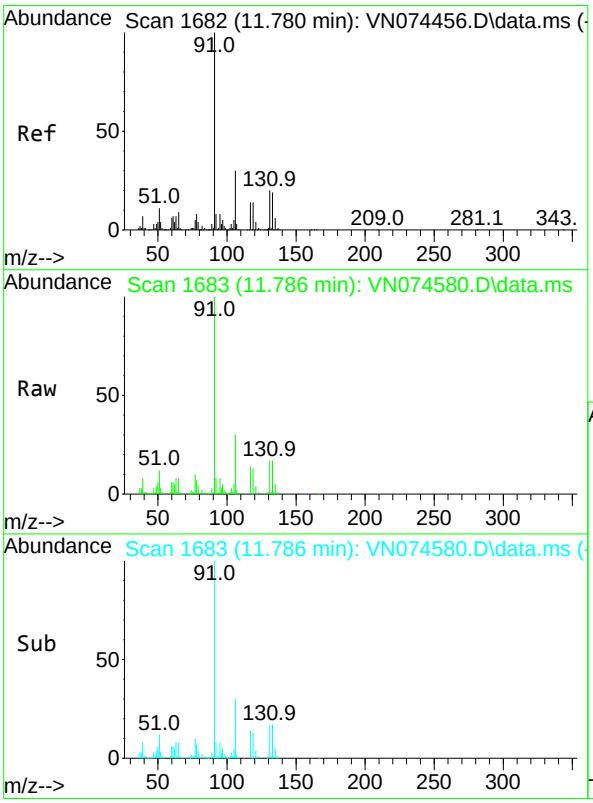
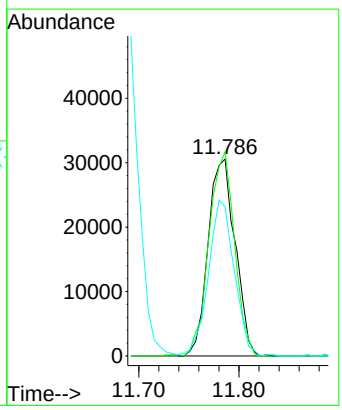
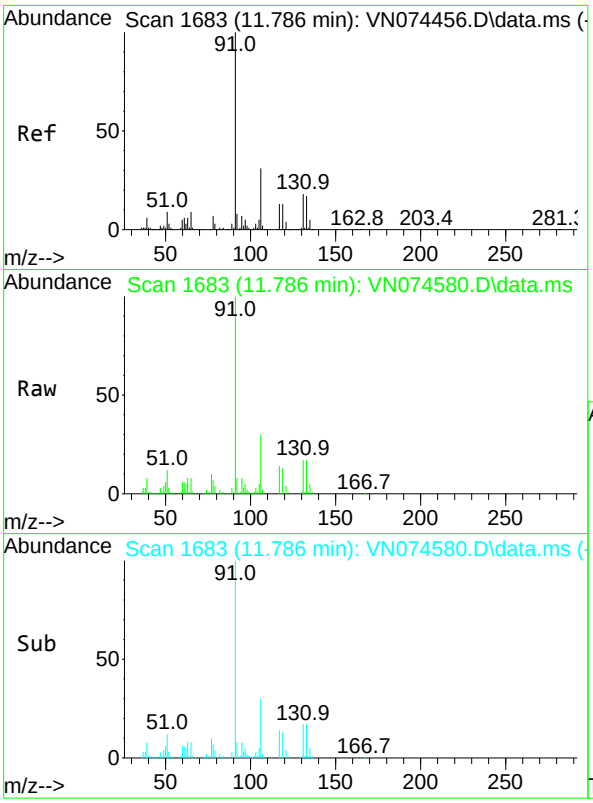


#66
1,1,1,2-Tetrachloroethane
Concen: 18.746 ug/l
RT: 11.786 min Scan# 1683
Delta R.T. 0.006 min
Lab File: VN074580.D
Acq: 19 Sep 2022 12:48

Tgt Ion:131 Resp: 57250

Ion	Ratio	Lower	Upper
131	100		
133	98.3	47.8	143.4
119	74.8	33.4	100.2

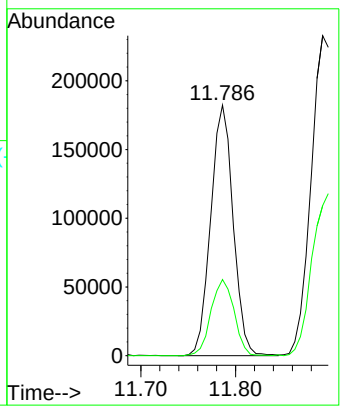




#67
Ethyl Benzene
Concen: 19.481 ug/l
RT: 11.786 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074580.D
Acq: 19 Sep 2022 12:48

Tgt Ion: 91 Resp: 30064

Ion	Ratio	Lower	Upper
91	100		
106	30.4	24.9	37.3



Instrument :
MSVOA_N
ClientSampleId :
VN0919WBS01

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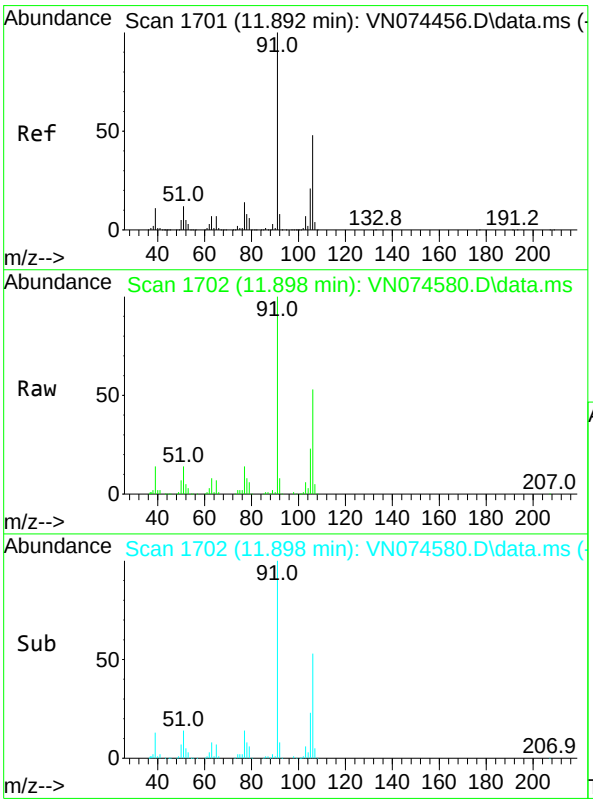
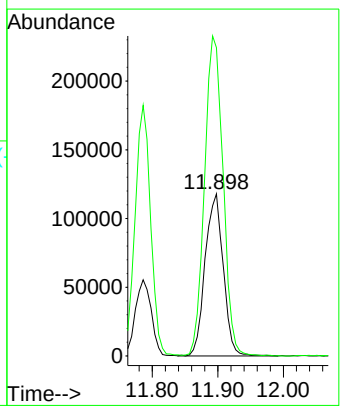
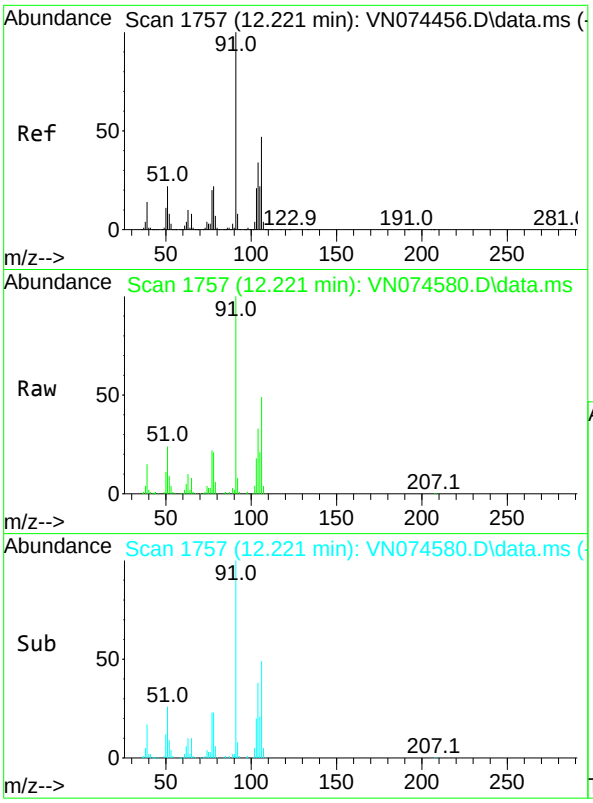


#68
m/p-Xylenes
Concen: 39.771 ug/l
RT: 11.898 min Scan# 1702
Delta R.T. 0.006 min
Lab File: VN074580.D
Acq: 19 Sep 2022 12:48

Tgt Ion:106 Resp: 226928

Ion	Ratio	Lower	Upper
106	100		
91	201.8	158.9	238.3





#69
o-Xylene
Concen: 19.422 ug/l
RT: 12.221 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074580.D
Acq: 19 Sep 2022 12:48

Tgt Ion:106 Resp: 11299

Ion	Ratio	Lower	Upper
106	100		
91	217.5	106.0	318.0

Instrument :
MSVOA_N
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VN0919WBS01

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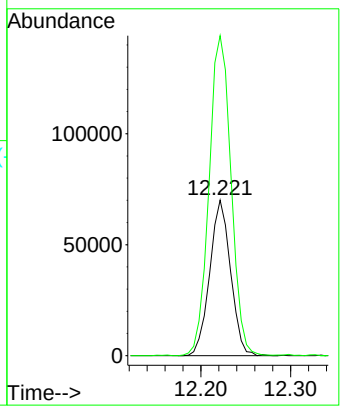
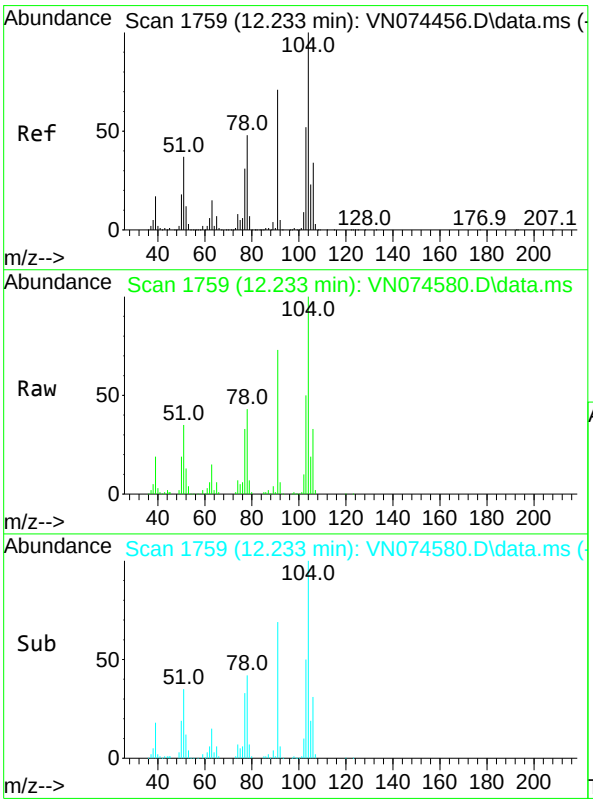
Reviewed By :Krupa Patel 09/21/2022
Supervised By :Mahesh Dadoda 09/21/2022

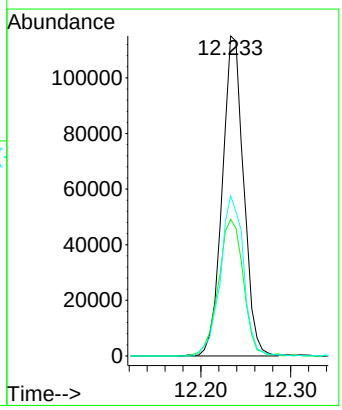


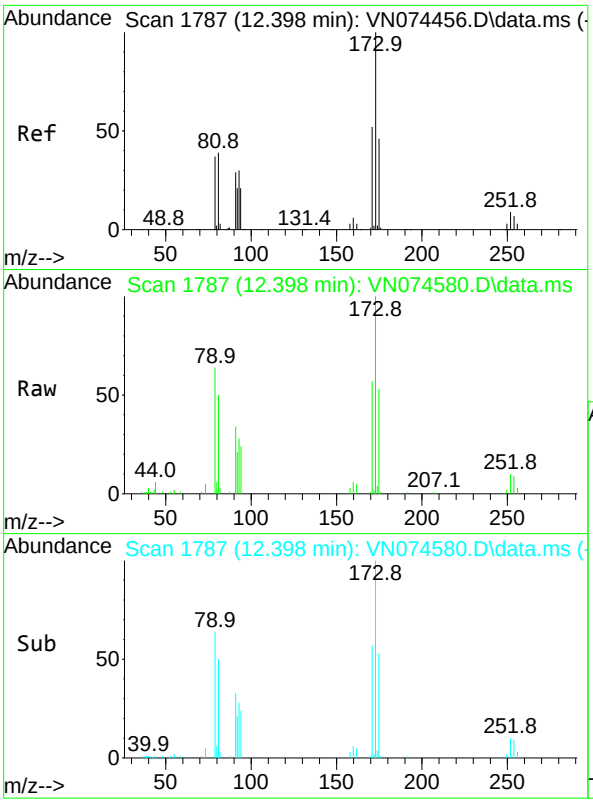


#70
Styrene
Concen: 19.642 ug/l
RT: 12.233 min Scan# 1759
Delta R.T. 0.000 min
Lab File: VN074580.D
Acq: 19 Sep 2022 12:48

Tgt Ion:104 Resp: 190079

Ion	Ratio	Lower	Upper
104	100		
78	49.6	39.5	59.3
103	54.1	44.0	66.0

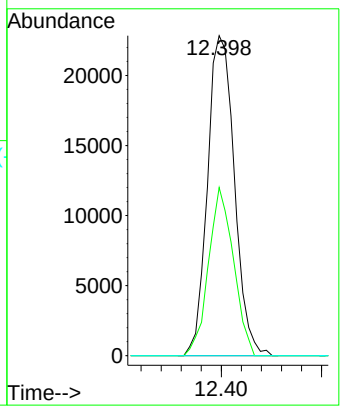




#71
Bromoform
Concen: 18.972 ug/l
RT: 12.398 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074580.D
Acq: 19 Sep 2022 12:48

Tgt Ion:173 Resp: 4258

Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.6	73.6
254	0.0	0.1	0.1



Instrument :
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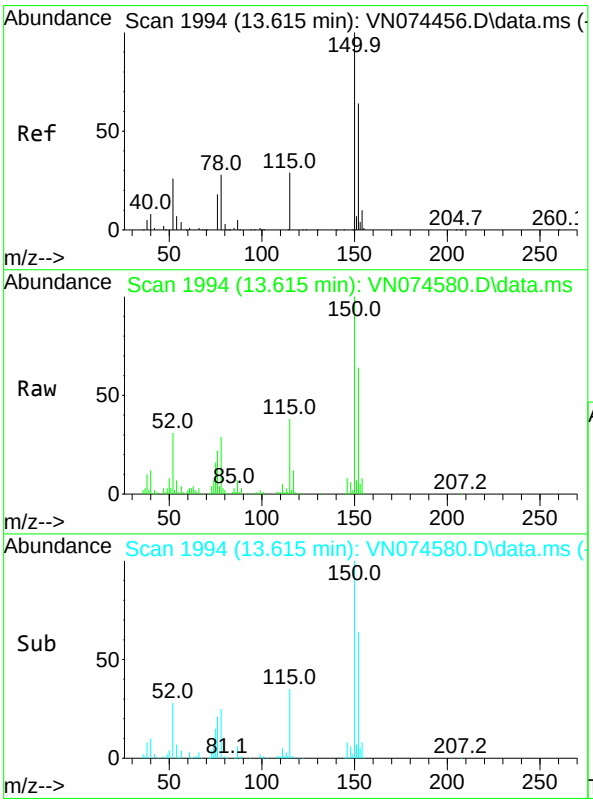
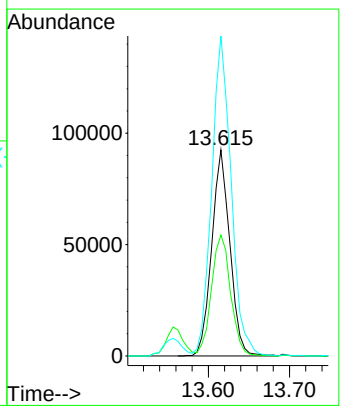
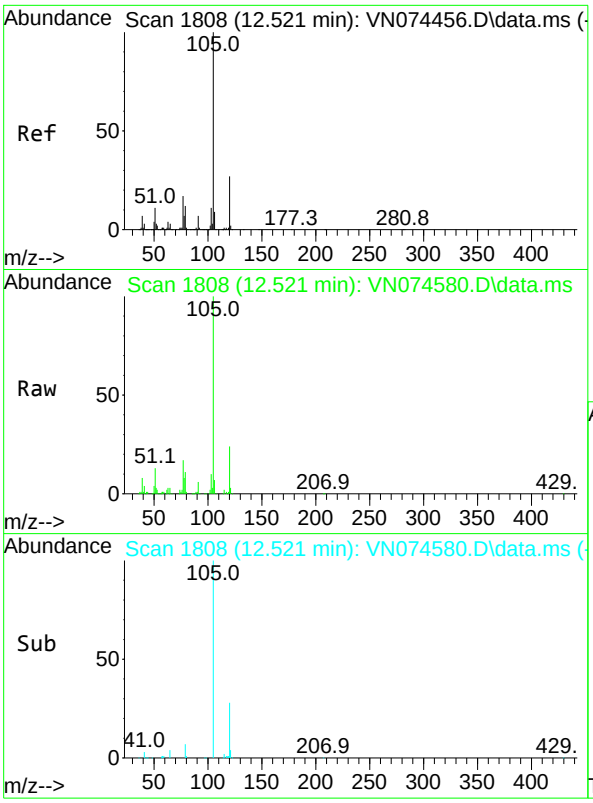


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.615 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VN074580.D
Acq: 19 Sep 2022 12:48

Tgt Ion:152 Resp: 143909

Ion	Ratio	Lower	Upper
152	100		
115	61.7	28.9	86.7
150	165.8	0.0	356.2

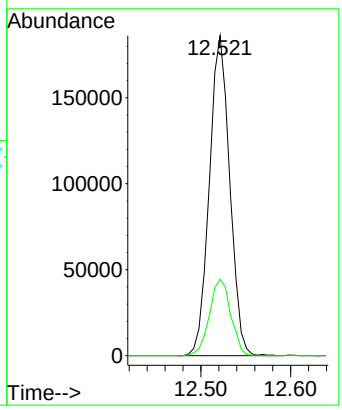




#73
Isopropylbenzene
Concen: 19.917 ug/l
RT: 12.521 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074580.D
Acq: 19 Sep 2022 12:48

Tgt Ion:105 Resp: 29348

Ion	Ratio	Lower	Upper
105	100		
120	25.0	13.5	40.4



Instrument :
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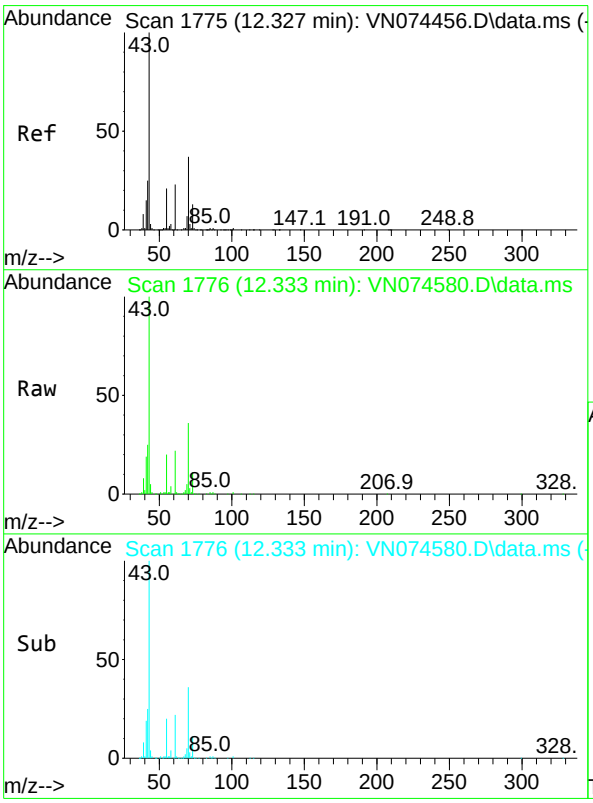
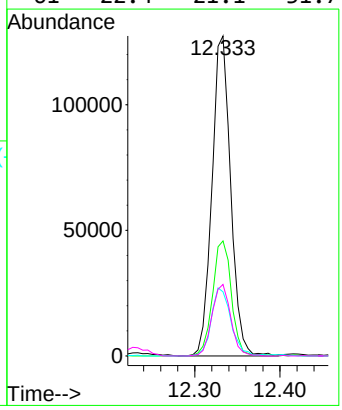
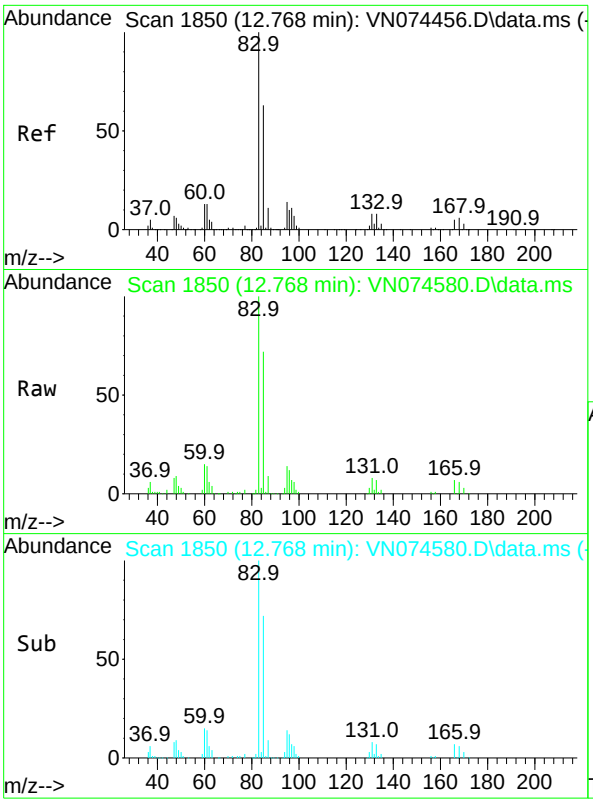


#74
N-amyl acetate
Concen: 21.097 ug/l
RT: 12.333 min Scan# 1776
Delta R.T. 0.006 min
Lab File: VN074580.D
Acq: 19 Sep 2022 12:48

Tgt Ion: 43 Resp: 194371

Ion	Ratio	Lower	Upper
43	100		
70	36.4	39.0	58.4#
55	22.2	21.1	31.7
61	22.4	21.1	31.7

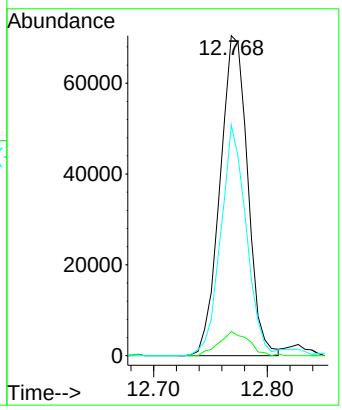




#75
1,1,2,2-Tetrachloroethane
Concen: 20.164 ug/l
RT: 12.768 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074580.D
Acq: 19 Sep 2022 12:48

Tgt Ion: 83 Resp: 11906

Ion	Ratio	Lower	Upper
83	100		
131	8.2	5.3	15.9
85	66.6	32.3	96.9



Instrument :
MSVOA_N
ClientSampleId :
VN0919WBS01

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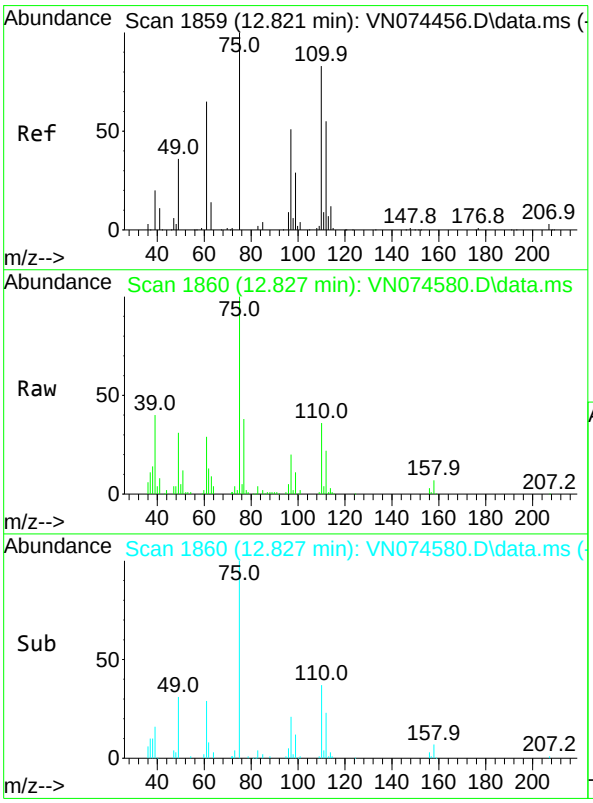
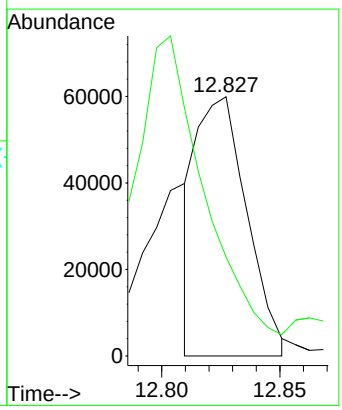
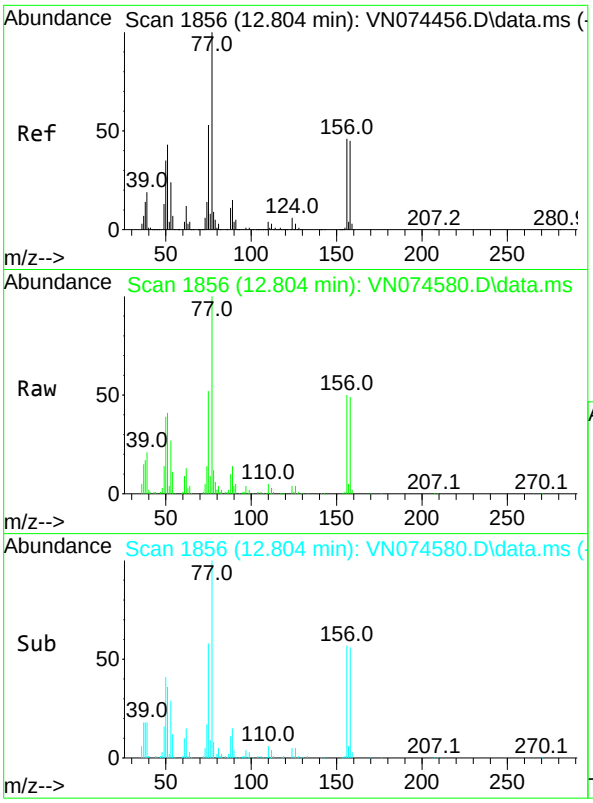


#76
1,2,3-Trichloropropane
Concen: 20.170 ug/l m
RT: 12.827 min Scan# 1860
Delta R.T. 0.006 min
Lab File: VN074580.D
Acq: 19 Sep 2022 12:48

Tgt Ion: 75 Resp: 89347

Ion	Ratio	Lower	Upper
75	100		
77	0.0	98.5	295.5#

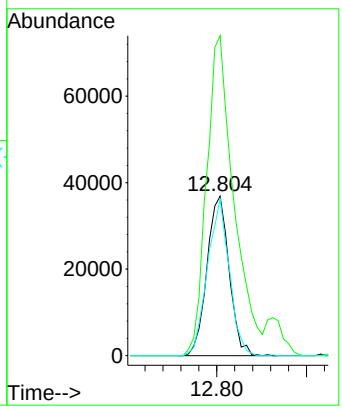




#77
Bromobenzene
Concen: 20.071 ug/l
RT: 12.804 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074580.D
Acq: 19 Sep 2022 12:48

Tgt Ion:156 Resp: 6317

Ion	Ratio	Lower	Upper
156	100		
77	246.4	100.5	301.5
158	96.6	48.9	146.6



Instrument :
MSVOA_N
ClientSampleId :
VN0919WBS01

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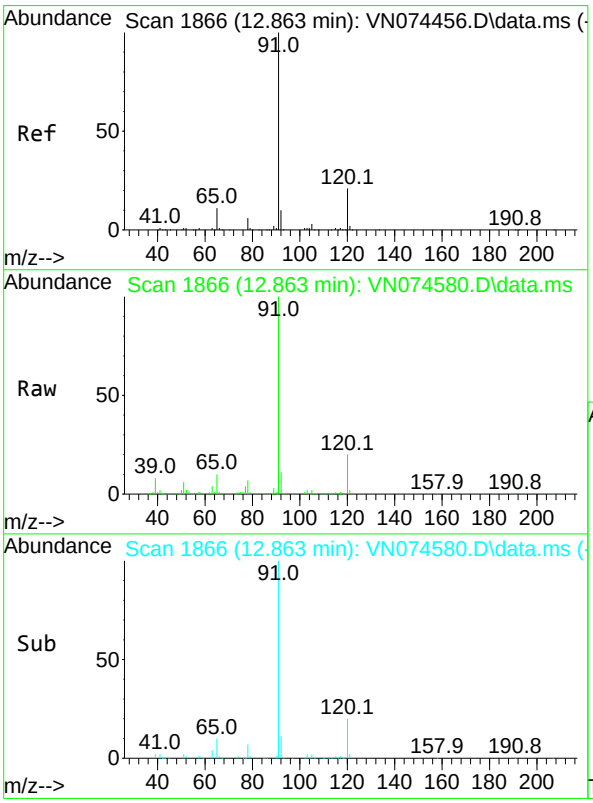
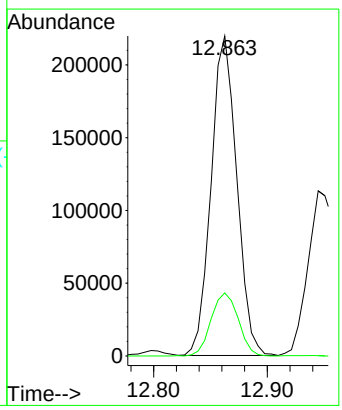
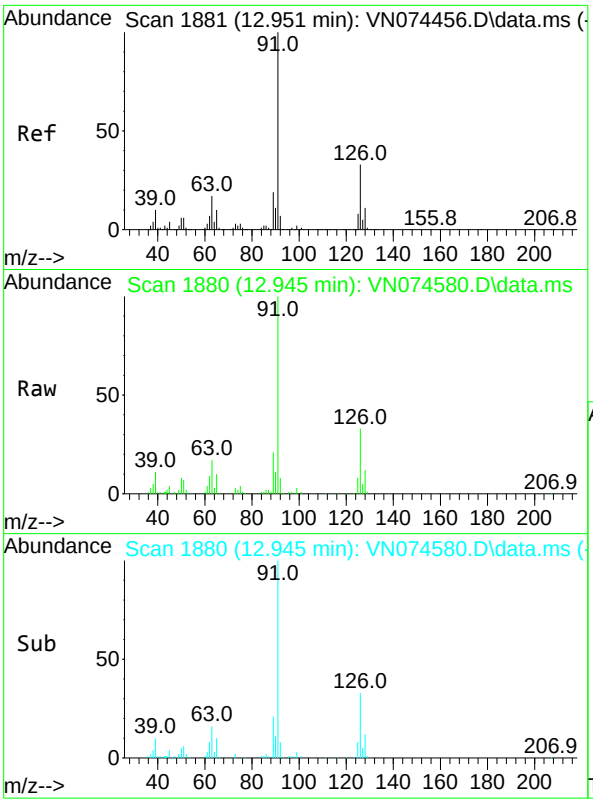


#78
n-propylbenzene
Concen: 19.652 ug/l
RT: 12.863 min Scan# 1866
Delta R.T. -0.000 min
Lab File: VN074580.D
Acq: 19 Sep 2022 12:48

Tgt Ion: 91 Resp: 344882

Ion	Ratio	Lower	Upper
91	100		
120	20.8	11.9	35.5

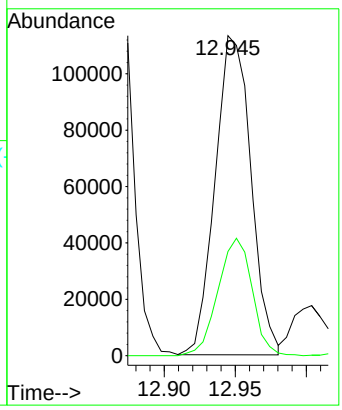




#79
2-Chlorotoluene
Concen: 18.965 ug/l
RT: 12.945 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN074580.D
Acq: 19 Sep 2022 12:48

Tgt Ion: 91 Resp: 19869

Ion	Ratio	Lower	Upper
91	100		
126	35.1	17.3	51.9



Instrument :
MSVOA_N
ClientSampleId :
VN0919WBS01

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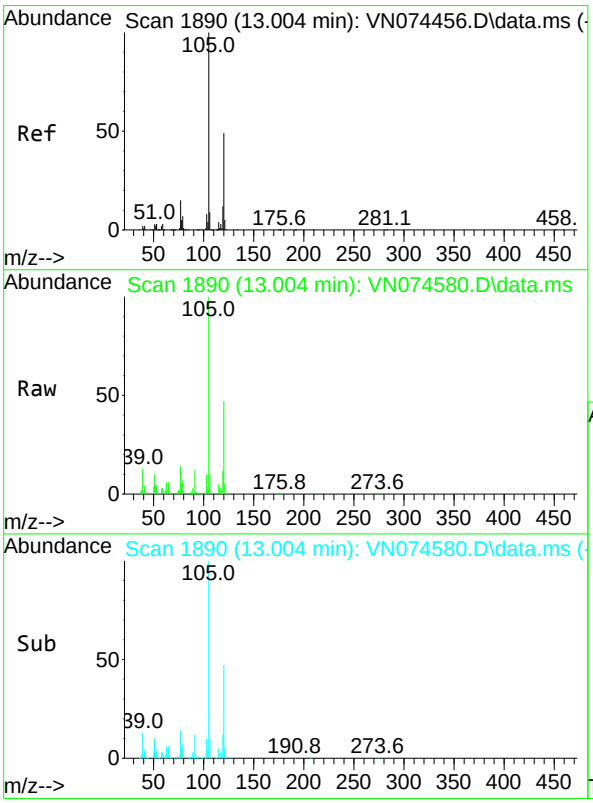
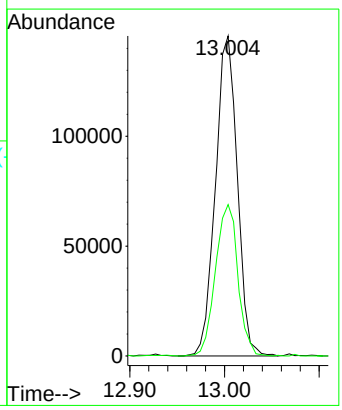
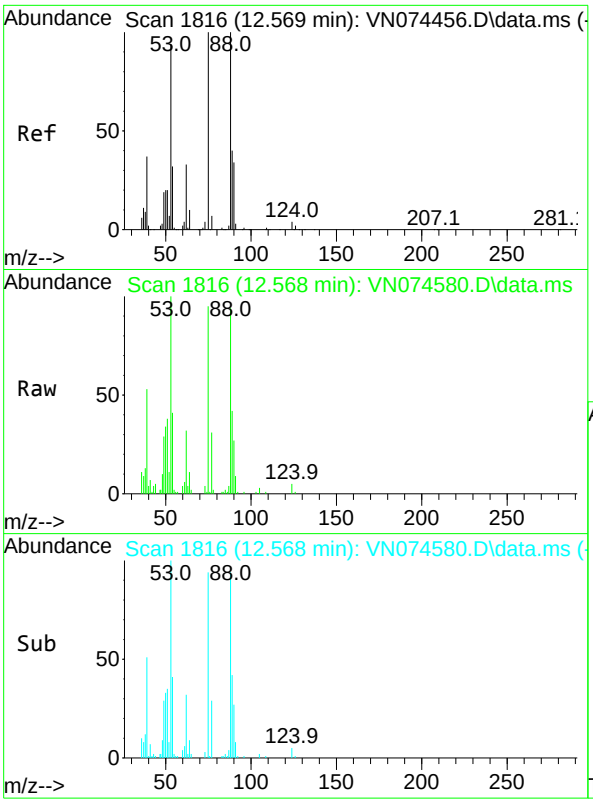


#80
1,3,5-Trimethylbenzene
Concen: 19.467 ug/l
RT: 13.004 min Scan# 1890
Delta R.T. -0.000 min
Lab File: VN074580.D
Acq: 19 Sep 2022 12:48

Tgt Ion:105 Resp: 233835

Ion	Ratio	Lower	Upper
105	100		
120	48.7	24.9	74.7

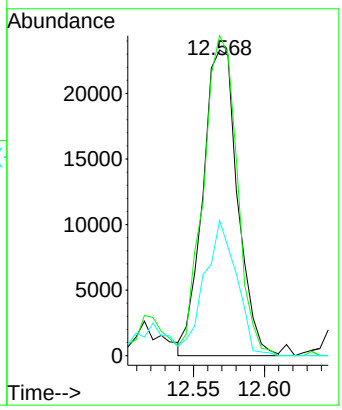




#81
trans-1,4-Dichloro-2-butene
Concen: 19.383 ug/l
RT: 12.568 min Scan# 1
Delta R.T. -0.001 min
Lab File: VN074580.D
Acq: 19 Sep 2022 12:48

Tgt Ion: 75 Resp: 3978

Ion	Ratio	Lower	Upper
75	100		
53	101.0	78.0	117.0
89	40.7	37.2	55.8



Instrument :
MSVOA_N
ClientSampleId :
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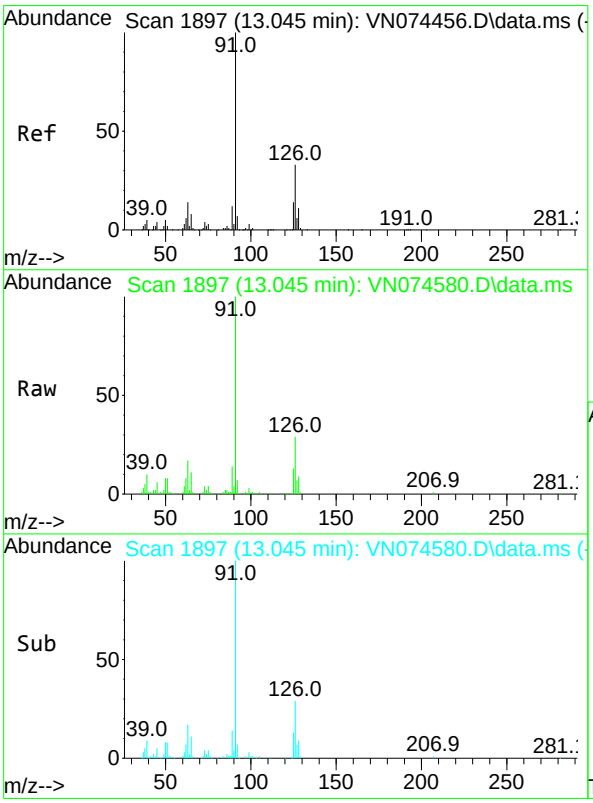
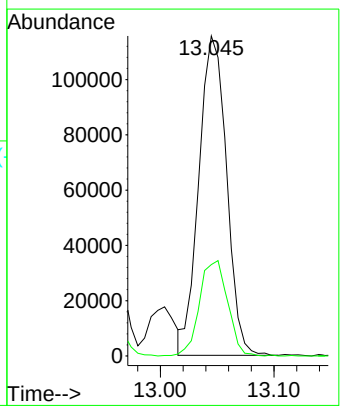
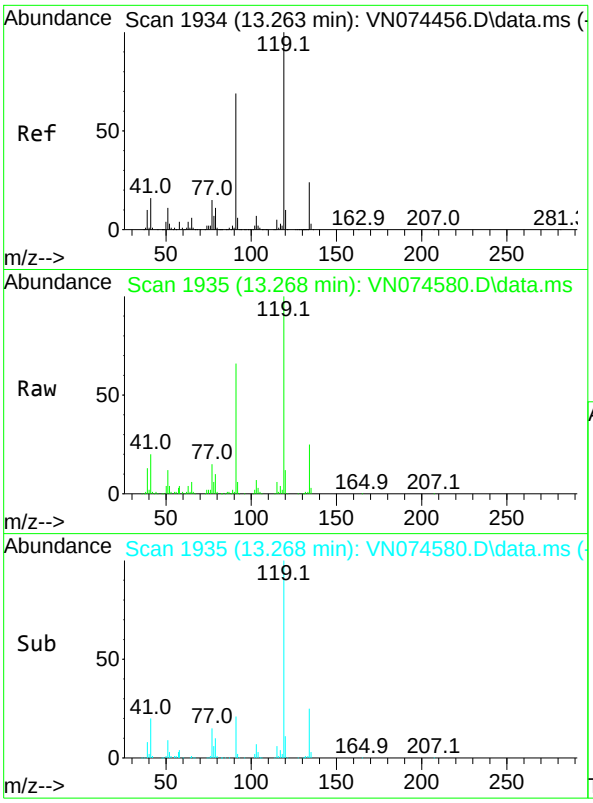


#82
4-Chlorotoluene
Concen: 19.634 ug/l
RT: 13.045 min Scan# 1897
Delta R.T. -0.000 min
Lab File: VN074580.D
Acq: 19 Sep 2022 12:48

Tgt Ion: 91 Resp: 195518

Ion	Ratio	Lower	Upper
91	100		
126	30.4	17.2	51.6

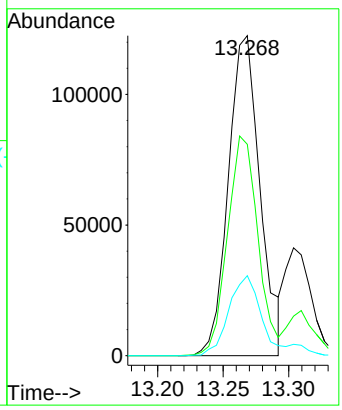




#83
tert-Butylbenzene
Concen: 18.903 ug/l
RT: 13.268 min Scan# 1
Delta R.T. 0.005 min
Lab File: VN074580.D
Acq: 19 Sep 2022 12:48

Tgt Ion:119 Resp: 20664

Ion	Ratio	Lower	Upper
119	100		
91	65.8	31.6	94.8
134	27.3	13.7	41.1



Instrument :
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ClientSampleId :
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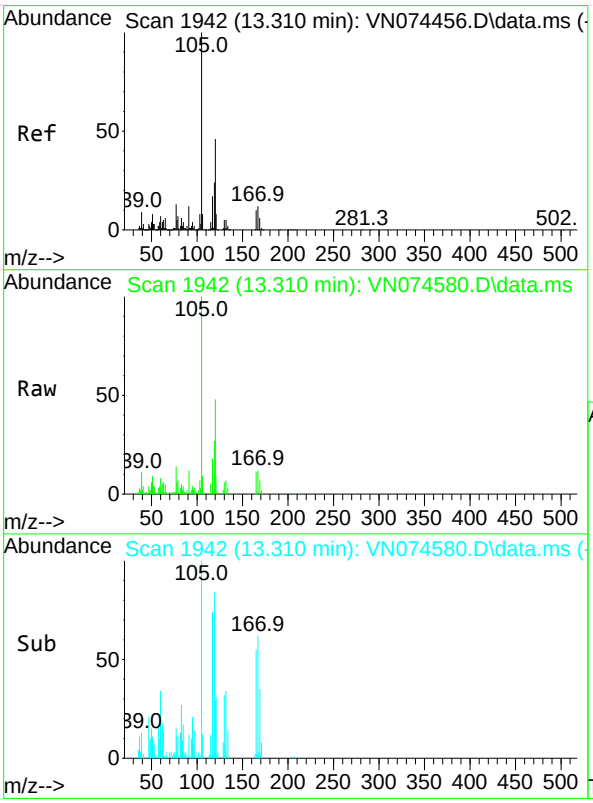
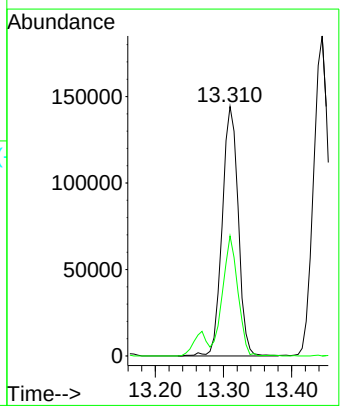
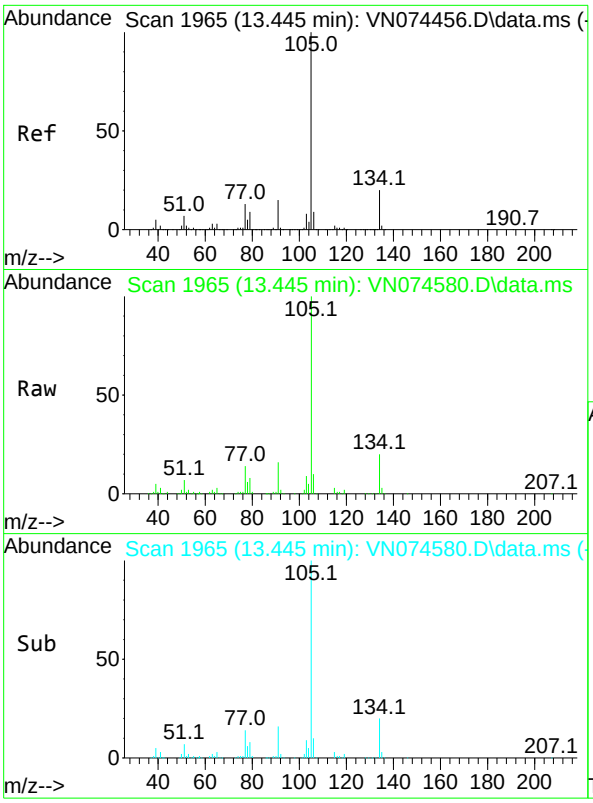


#84
1,2,4-Trimethylbenzene
Concen: 19.528 ug/l
RT: 13.310 min Scan# 1942
Delta R.T. -0.000 min
Lab File: VN074580.D
Acq: 19 Sep 2022 12:48

Tgt Ion:105 Resp: 236062

Ion	Ratio	Lower	Upper
105	100		
120	45.7	23.3	69.8

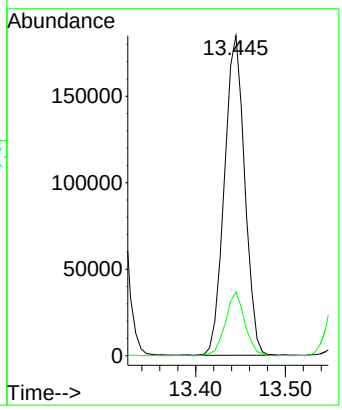




#85
sec-Butylbenzene
Concen: 19.323 ug/l
RT: 13.445 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074580.D
Acq: 19 Sep 2022 12:48

Tgt Ion:105 Resp: 29005

Ion	Ratio	Lower	Upper
105	100		
134	19.0	10.4	31.1



Instrument :
MSVOA_N
ClientSampleId :
VN0919WBS01

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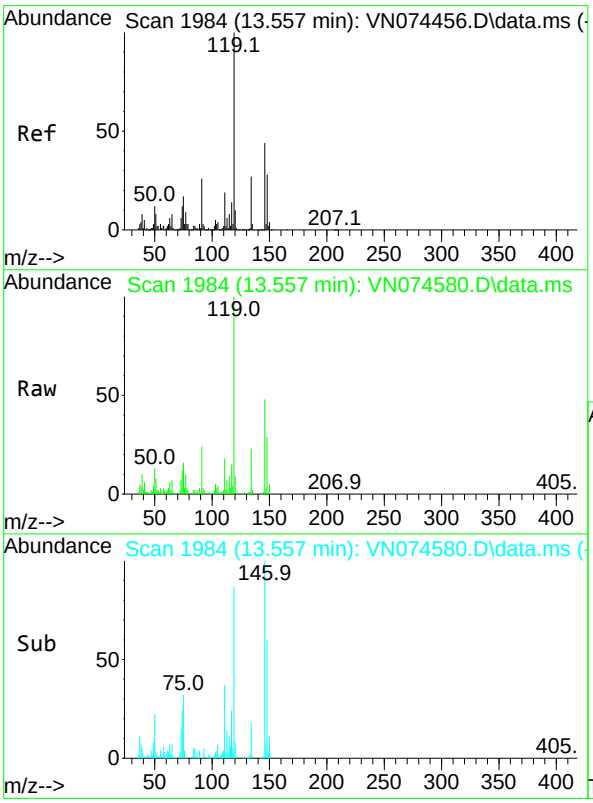
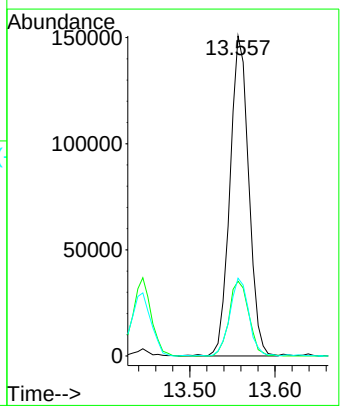
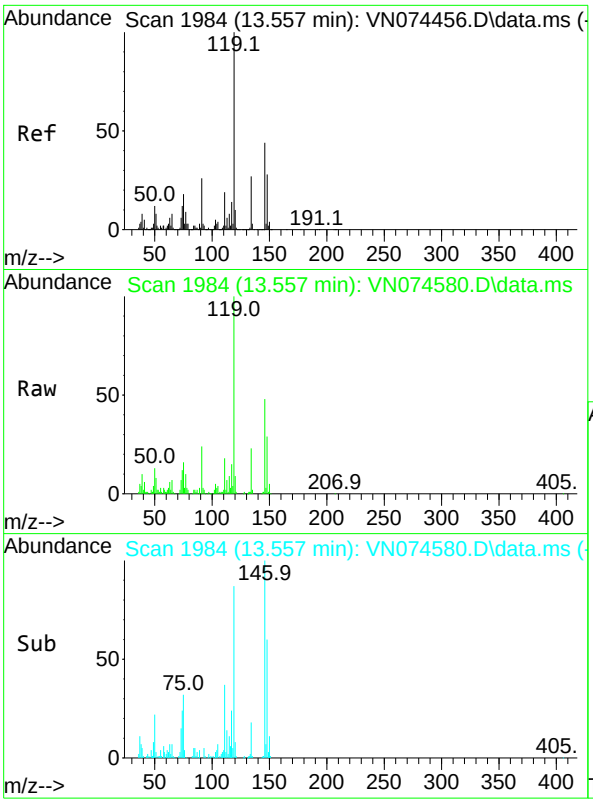


#86
p-Isopropyltoluene
Concen: 19.739 ug/l
RT: 13.557 min Scan# 1984
Delta R.T. -0.000 min
Lab File: VN074580.D
Acq: 19 Sep 2022 12:48

Tgt Ion:119 Resp: 230990

Ion	Ratio	Lower	Upper
119	100		
134	24.6	13.3	39.8
91	24.6	11.3	33.9

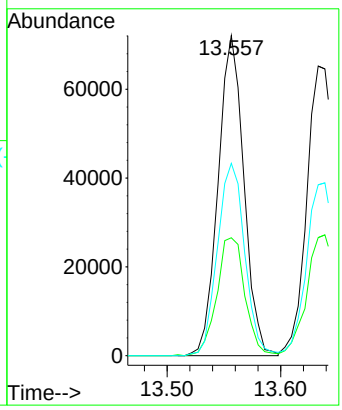




#87
1,3-Dichlorobenzene
Concen: 19.680 ug/l
RT: 13.557 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074580.D
Acq: 19 Sep 2022 12:48

Tgt Ion:146 Resp: 11383

Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.0	60.0
148	63.5	32.0	96.0



Instrument :
MSVOA_N
ClientSampleId :
VN0919WBS01

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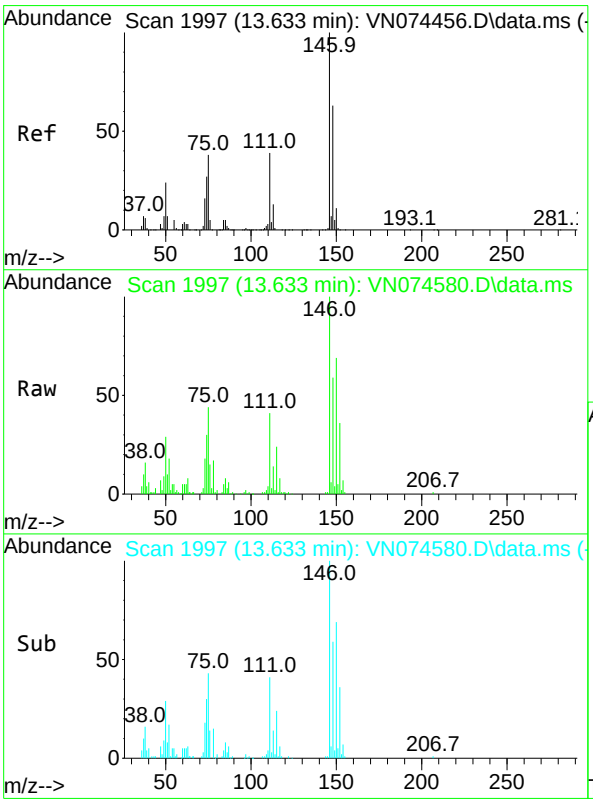
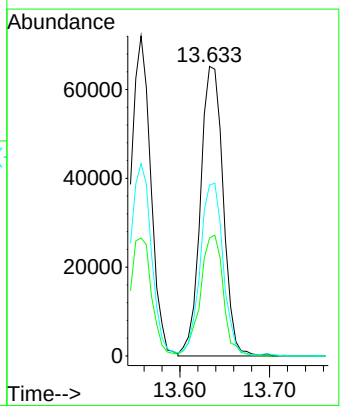
Reviewed By :Krupa Patel 09/21/2022
Supervised By :Mahesh Dadoda 09/21/2022

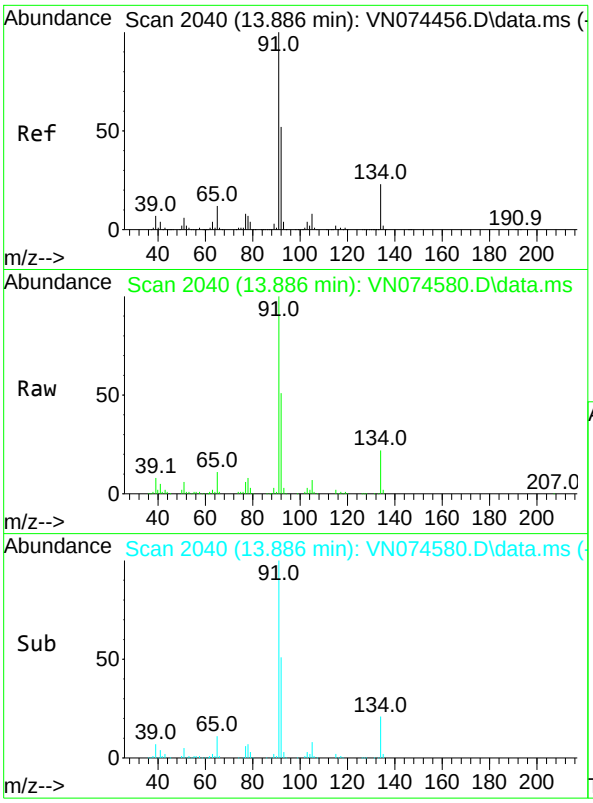


#88
1,4-Dichlorobenzene
Concen: 19.719 ug/l
RT: 13.633 min Scan# 1997
Delta R.T. 0.000 min
Lab File: VN074580.D
Acq: 19 Sep 2022 12:48

Tgt Ion:146 Resp: 114632

Ion	Ratio	Lower	Upper
146	100		
111	42.0	19.1	57.1
148	59.8	31.4	94.3





#89
n-Butylbenzene
Concen: 19.743 ug/l
RT: 13.886 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN074580.D
Acq: 19 Sep 2022 12:48

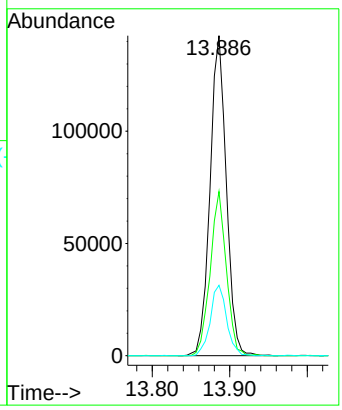
Tgt Ion: 91 Resp: 20823

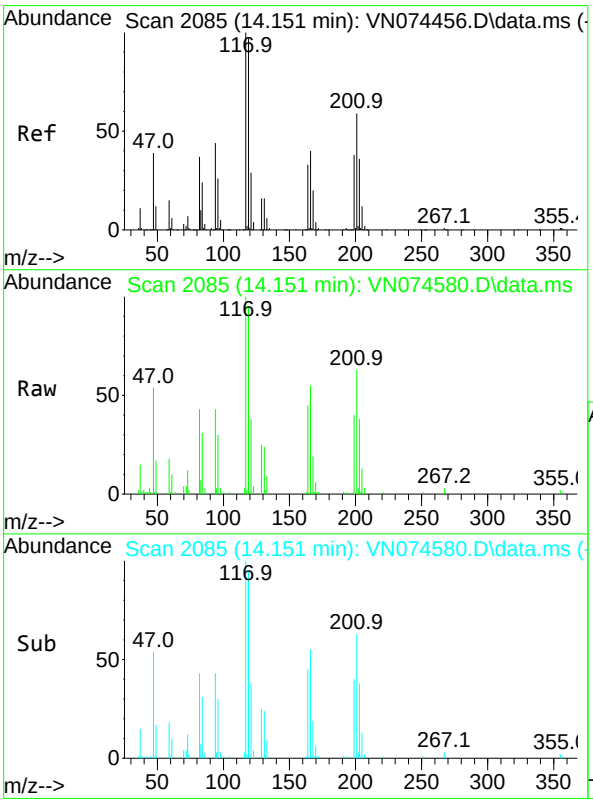
Ion	Ratio	Lower	Upper
91	100		
92	50.9	26.9	80.7
134	22.2	13.6	40.8

Instrument :
MSVOA_N
ClientSampleId :
VN0919WBS01

Manual Integrations
APPROVED

Reviewed By :Krupa Patel 09/21/2022
Supervised By :Mahesh Dadoda 09/21/2022

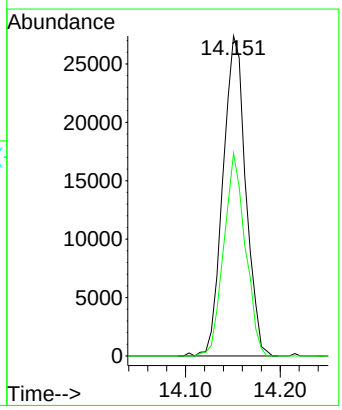


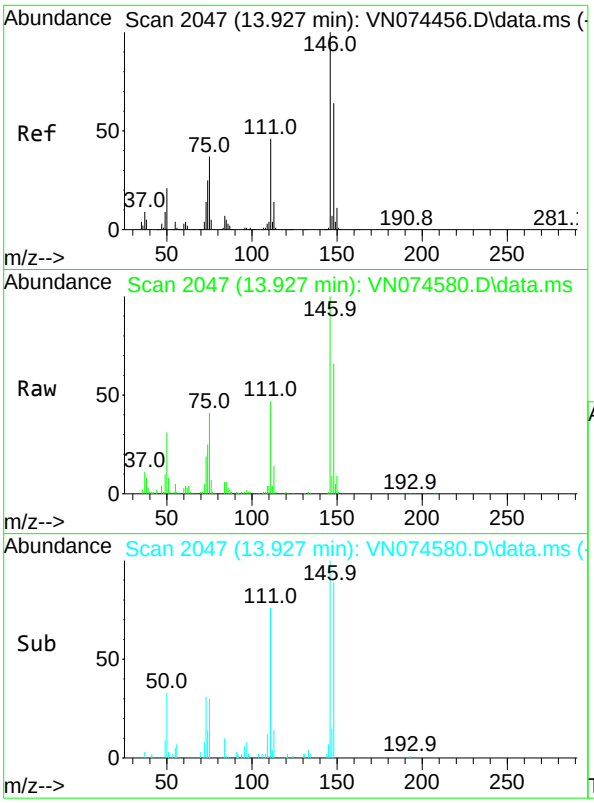


#90
Hexachloroethane
Concen: 17.990 ug/l
RT: 14.151 min Scan# 2085
Delta R.T. -0.000 min
Lab File: VN074580.D
Acq: 19 Sep 2022 12:48

Tgt Ion:117 Resp: 45805

Ion	Ratio	Lower	Upper
117	100		
201	59.9	40.6	122.0

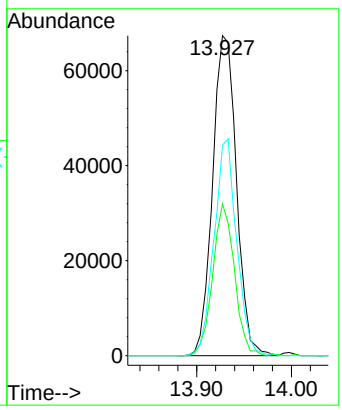




#91
1,2-Dichlorobenzene
Concen: 19.676 ug/l
RT: 13.927 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN074580.D
Acq: 19 Sep 2022 12:48

Tgt Ion:146 Resp: 11806

Ion	Ratio	Lower	Upper
146	100		
111	43.1	20.9	62.8
148	64.6	32.1	96.3



Instrument :
MSVOA_N
ClientSampleId :
VN0919WBS01

Manual Integrations
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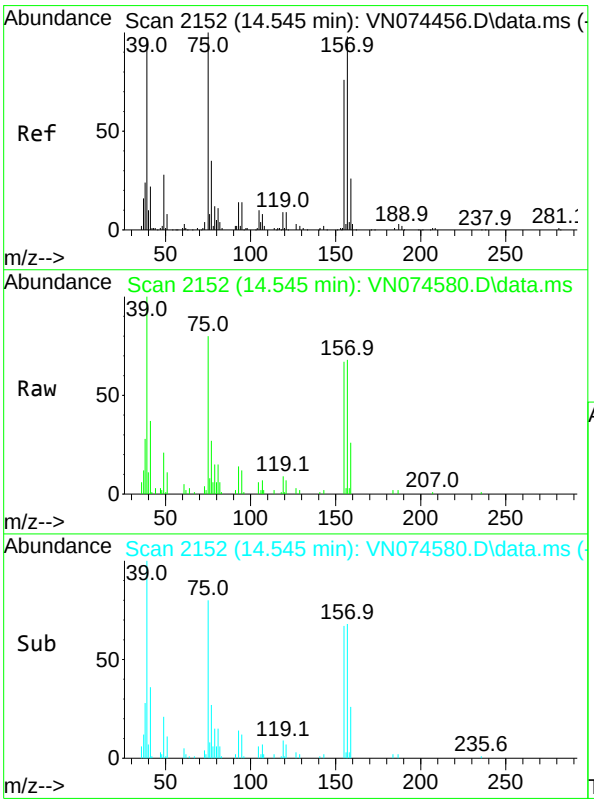
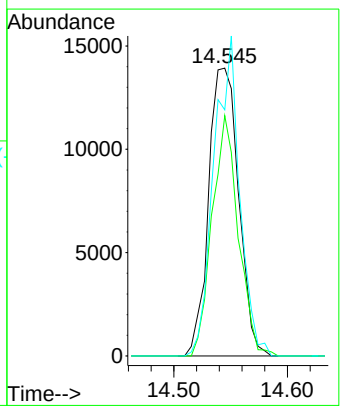
Reviewed By :Krupa Patel 09/21/2022
Supervised By :Mahesh Dadoda 09/21/2022

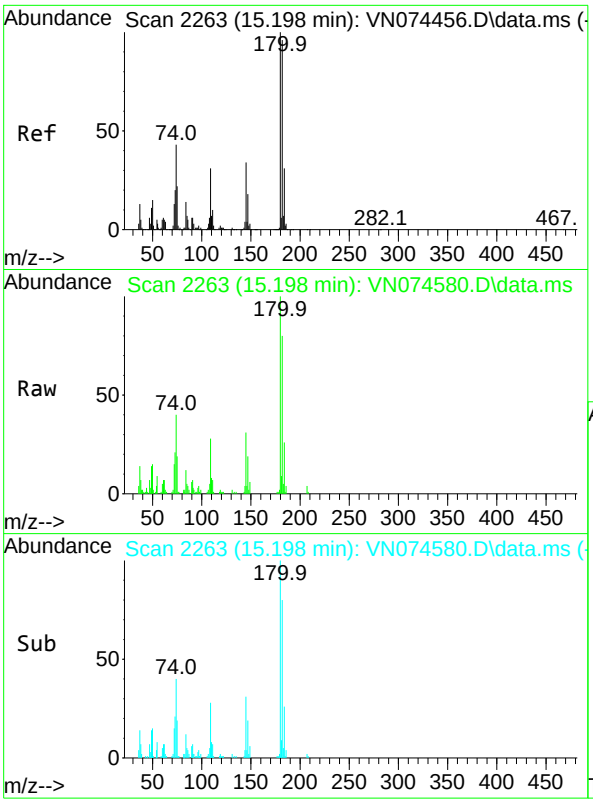


#92
1,2-Dibromo-3-Chloropropane
Concen: 19.581 ug/l
RT: 14.545 min Scan# 2152
Delta R.T. -0.000 min
Lab File: VN074580.D
Acq: 19 Sep 2022 12:48

Tgt Ion: 75 Resp: 25532

Ion	Ratio	Lower	Upper
75	100		
155	72.8	44.9	134.5
157	95.0	59.0	176.8

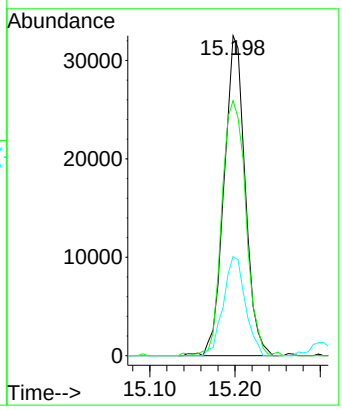




#93
1,2,4-Trichlorobenzene
Concen: 19.544 ug/l
RT: 15.198 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN074580.D
Acq: 19 Sep 2022 12:48

Tgt Ion:180 Resp: 5587

Ion	Ratio	Lower	Upper
180	100		
182	90.7	47.5	142.5
145	32.3	14.5	43.5



Instrument :
MSVOA_N
ClientSampleId :
VN0919WBS01

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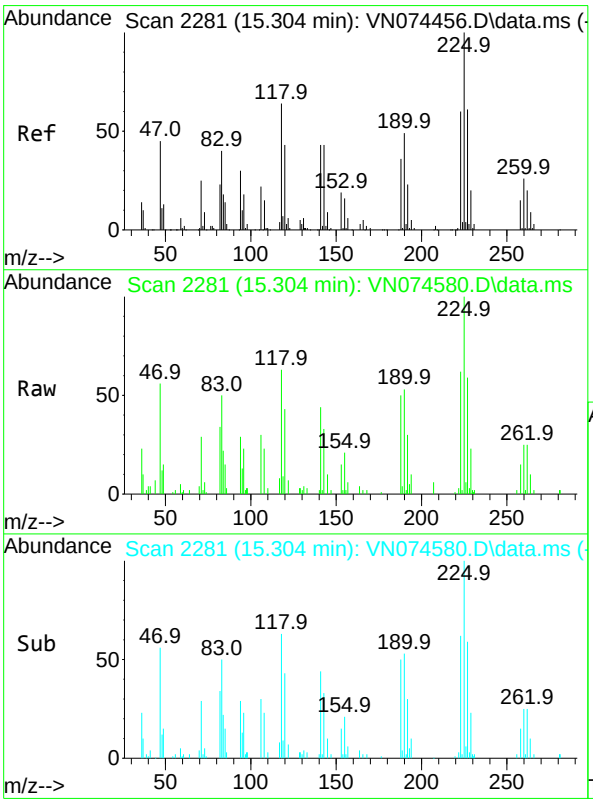
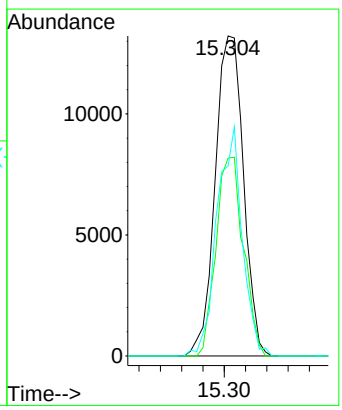
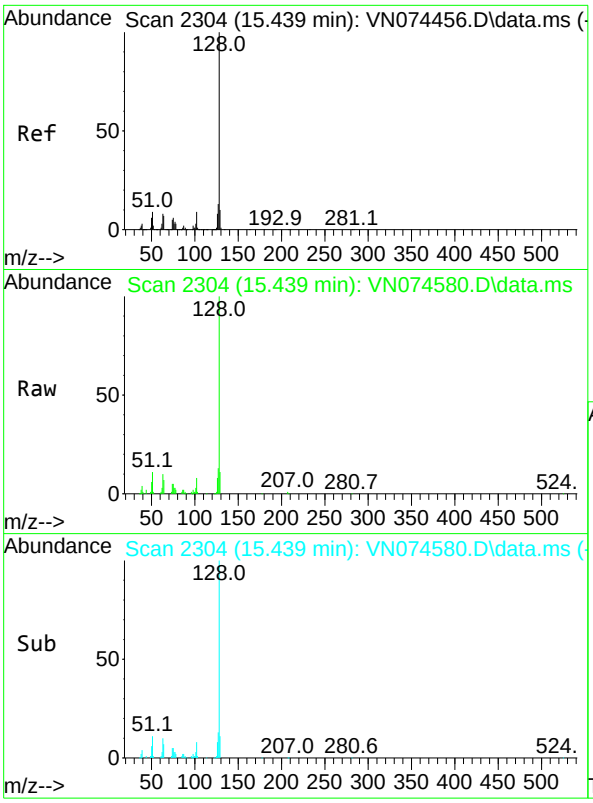


#94
Hexachlorobutadiene
Concen: 19.433 ug/l
RT: 15.304 min Scan# 2281
Delta R.T. -0.000 min
Lab File: VN074580.D
Acq: 19 Sep 2022 12:48

Tgt Ion:225 Resp: 24416

Ion	Ratio	Lower	Upper
225	100		
223	60.0	32.4	97.2
227	63.9	31.8	95.4

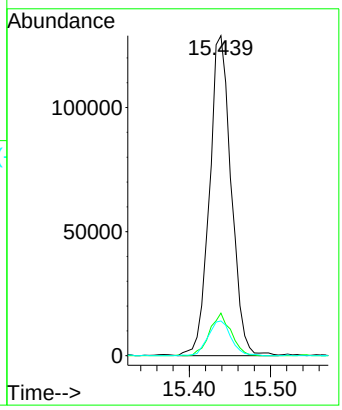




#95
Naphthalene
Concen: 20.423 ug/l
RT: 15.439 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN074580.D
Acq: 19 Sep 2022 12:48

Tgt Ion:128 Resp: 23961

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.3	15.5
129	11.5	8.6	13.0



Instrument :
MSVOA_N
ClientSampleId :
VN0919WBS01

Manual Integrations
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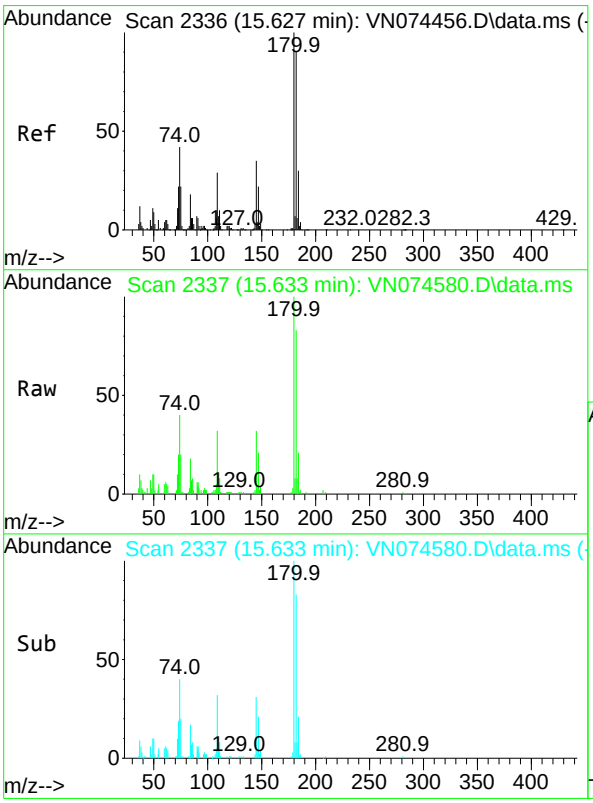
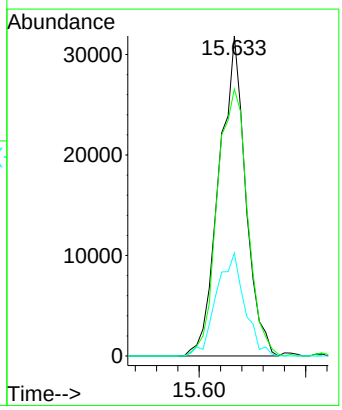
Supervised By :Mahesh Dadoda 09/21/2022



#96
1,2,3-Trichlorobenzene
Concen: 19.420 ug/l
RT: 15.633 min Scan# 2337
Delta R.T. 0.006 min
Lab File: VN074580.D
Acq: 19 Sep 2022 12:48

Tgt Ion:180 Resp: 55043

Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.8	143.3
145	34.3	15.5	46.5



CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/08/22
Project:	Andrews St. Site	Date Received:	09/12/22
Client Sample ID:	1035-MW-02(23.8)MS	SDG No.:	N4647
Lab Sample ID:	N4647-03MS	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN074598.D	1		09/19/22 20:08	VN091922

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	43.6		0.17	1.00	ug/L
74-87-3	Chloromethane	52.5		0.20	1.00	ug/L
75-01-4	Vinyl Chloride	59.4		0.22	1.00	ug/L
74-83-9	Bromomethane	64.4		1.60	5.00	ug/L
75-00-3	Chloroethane	52.7		0.26	1.00	ug/L
75-69-4	Trichlorofluoromethane	66.9		0.20	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	44.7		0.17	1.00	ug/L
75-35-4	1,1-Dichloroethene	45.1		0.23	1.00	ug/L
67-64-1	Acetone	260		1.20	5.00	ug/L
75-15-0	Carbon Disulfide	40.4		0.26	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	46.0		0.18	1.00	ug/L
79-20-9	Methyl Acetate	43.3		0.53	1.00	ug/L
75-09-2	Methylene Chloride	45.5		0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	44.4		0.20	1.00	ug/L
75-34-3	1,1-Dichloroethane	44.5		0.20	1.00	ug/L
110-82-7	Cyclohexane	41.7		1.20	5.00	ug/L
78-93-3	2-Butanone	250		0.82	5.00	ug/L
56-23-5	Carbon Tetrachloride	44.2		0.18	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	82.0		0.17	1.00	ug/L
74-97-5	Bromochloromethane	44.6		0.19	1.00	ug/L
67-66-3	Chloroform	45.2		0.18	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	42.2		0.18	1.00	ug/L
108-87-2	Methylcyclohexane	42.4		0.13	1.00	ug/L
71-43-2	Benzene	45.5		0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	46.3		0.18	1.00	ug/L
79-01-6	Trichloroethene	82.5		0.27	1.00	ug/L
78-87-5	1,2-Dichloropropane	45.5		0.17	1.00	ug/L
75-27-4	Bromodichloromethane	45.5		0.18	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	260		0.87	5.00	ug/L
108-88-3	Toluene	74.1		0.17	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	43.3		0.14	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	42.8		0.16	1.00	ug/L

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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/08/22
Project:	Andrews St. Site	Date Received:	09/12/22
Client Sample ID:	1035-MW-02(23.8)MS	SDG No.:	N4647
Lab Sample ID:	N4647-03MS	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN074598.D	1		09/19/22 20:08	VN091922

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	44.7		0.19	1.00	ug/L
591-78-6	2-Hexanone	270		0.76	5.00	ug/L
124-48-1	Dibromochloromethane	45.0		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	45.3		0.14	1.00	ug/L
127-18-4	Tetrachloroethene	180	E	0.18	1.00	ug/L
108-90-7	Chlorobenzene	46.0		0.17	1.00	ug/L
100-41-4	Ethyl Benzene	52.9		0.17	1.00	ug/L
179601-23-1	m/p-Xylenes	130		0.33	2.00	ug/L
95-47-6	o-Xylene	59.9		0.18	1.00	ug/L
100-42-5	Styrene	48.8		0.13	1.00	ug/L
75-25-2	Bromoform	47.3		0.16	1.00	ug/L
98-82-8	Isopropylbenzene	47.5		0.19	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	46.8		0.23	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	46.9		0.20	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	46.4		0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	45.8		0.17	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	46.1		0.42	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	46.3		0.23	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	43.9		0.33	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.7		74 - 125	97%	SPK: 50
1868-53-7	Dibromofluoromethane	52.9		75 - 124	106%	SPK: 50
2037-26-5	Toluene-d8	50.4		86 - 113	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.7		83 - 123	99%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	301000	8.016			
540-36-3	1,4-Difluorobenzene	552000	8.904			
3114-55-4	Chlorobenzene-d5	474000	11.686			
3855-82-1	1,4-Dichlorobenzene-d4	210000	13.616			

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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/08/22
Project:	Andrews St. Site	Date Received:	09/12/22
Client Sample ID:	1035-MW-02(23.8)MS	SDG No.:	N4647
Lab Sample ID:	N4647-03MS	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN074598.D	1		09/19/22 20:08	VN091922

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091922\
Data File : VN074598.D
Acq On : 19 Sep 2022 20:08
Operator : JC\MD
Sample : N4647-03MS
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Sep 20 04:22:03 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 15 19:20:33 2022
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
1035-MW-02(23.8)MS

Manual Integrations APPROVED
Reviewed By :Krupa Patel 09/21/2022
Supervised By :Mahesh Dadoda 09/21/2022

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	8.016	168	300875	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	8.904	114	552494	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.686	117	473671	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	210229	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.375	65	248359	48.650	ug/l		0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 97.300%				
35) Dibromofluoromethane	7.951	113	194165	52.904	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.800%				
50) Toluene-d8	10.381	98	715597	50.416	ug/l		0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.840%				
62) 4-Bromofluorobenzene	12.675	95	241705	49.720	ug/l		0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.440%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.046	85	142679	43.572	ug/l		100
3) Chloromethane	2.263	50	288972	52.453	ug/l		99
4) Vinyl Chloride	2.405	62	350202	59.415	ug/l		98
5) Bromomethane	2.781	94	200090	64.372	ug/l		97
6) Chloroethane	2.940	64	212338	52.740	ug/l		91
7) Trichlorofluoromethane	3.299	101	435448	66.900	ug/l		96
8) Diethyl Ether	3.763	74	151100	45.522	ug/l		79
9) 1,1,2-Trichlorotrifluo...	4.128	101	180083	44.720	ug/l		90
10) Methyl Iodide	4.340	142	225063	47.377	ug/l		94
11) Tert butyl alcohol	5.293	59	362373	217.904	ug/l		100
12) 1,1-Dichloroethene	4.110	96	178749	45.134	ug/l		92
13) Acrolein	3.981	56	169599	279.264	ug/l		97
14) Allyl chloride	4.752	41	433233	45.786	ug/l	#	94
15) Acrylonitrile	5.469	53	900525	241.033	ug/l		99
16) Acetone	4.216	43	865271	264.874	ug/l		94
17) Carbon Disulfide	4.452	76	439183	40.418	ug/l		99
18) Methyl Acetate	4.775	43	438827	43.250	ug/l	#	87
19) Methyl tert-butyl Ether	5.528	73	768667	46.025	ug/l		93
20) Methylene Chloride	5.010	84	226971	45.512	ug/l	#	81
21) trans-1,2-Dichloroethene	5.510	96	193189	44.434	ug/l		93
22) Diisopropyl ether	6.404	45	901960	47.471	ug/l	#	91
23) Vinyl Acetate	6.351	43	3645459	217.533	ug/l	#	91
24) 1,1-Dichloroethane	6.304	63	422521	44.488	ug/l		97
25) 2-Butanone	7.257	43	1382705	254.934	ug/l		89
26) 2,2-Dichloropropane	7.245	77	240994	29.432	ug/l		91
27) cis-1,2-Dichloroethene	7.245	96	456616	81.961	ug/l		97
28) Bromochloromethane	7.581	49	124701	44.583	ug/l	#	65
29) Tetrahydrofuran	7.610	42	871293	244.329	ug/l	#	83
30) Chloroform	7.745	83	396421	45.223	ug/l		94
31) Cyclohexane	8.022	56	378170	41.734	ug/l	#	82
32) 1,1,1-Trichloroethane	7.940	97	324067	42.151	ug/l		95
36) 1,1-Dichloropropene	8.151	75	286620	44.121	ug/l		95
37) Ethyl Acetate	7.340	43	459644	45.816	ug/l	#	93
38) Carbon Tetrachloride	8.134	117	265278	44.229	ug/l		100
39) Methylcyclohexane	9.392	83	327904	42.449	ug/l		91
40) Benzene	8.392	78	914840	45.541	ug/l		97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091922\
Data File : VN074598.D
Acq On : 19 Sep 2022 20:08
Operator : JC\MD
Sample : N4647-03MS
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Sep 20 04:22:03 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 15 19:20:33 2022
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
1035-MW-02(23.8)MS

Manual Integrations APPROVED
Reviewed By :Krupa Patel 09/21/2022
Supervised By :Mahesh Dadoda 09/21/2022

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.563	41	225684	46.530	ug/l		91
42) 1,2-Dichloroethane	8.463	62	318968	46.270	ug/l		97
43) Isopropyl Acetate	8.498	43	753252	47.933	ug/l	#	89
44) Trichloroethene	9.151	130	358659	82.511	ug/l		84
45) 1,2-Dichloropropane	9.428	63	250978	45.461	ug/l		100
46) Dibromomethane	9.516	93	159723	46.194	ug/l	#	82
47) Bromodichloromethane	9.704	83	308158	45.458	ug/l		100
48) Methyl methacrylate	9.498	41	335112	48.093	ug/l	#	84
49) 1,4-Dioxane	9.504	88	129343	965.501	ug/l	#	88
51) 4-Methyl-2-Pentanone	10.275	43	2667177	259.909	ug/l		89
52) Toluene	10.445	92	873090	74.118	ug/l		97
53) t-1,3-Dichloropropene	10.663	75	342236	43.318	ug/l		95
54) cis-1,3-Dichloropropene	10.128	75	362258	42.846	ug/l	#	85
55) 1,1,2-Trichloroethane	10.839	97	222890	44.671	ug/l		94
56) Ethyl methacrylate	10.704	69	422523	47.406	ug/l	#	77
57) 1,3-Dichloropropane	10.986	76	408642	46.711	ug/l		99
59) 2-Hexanone	11.028	43	2077035	265.136	ug/l		86
60) Dibromochloromethane	11.181	129	214786	44.966	ug/l		99
61) 1,2-Dibromoethane	11.286	107	219809	45.347	ug/l		98
64) Tetrachloroethene	10.916	164	586011	180.274	ug/l		92
65) Chlorobenzene	11.710	112	547363	46.030	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.786	131	197096	45.619	ug/l		99
67) Ethyl Benzene	11.786	91	1154860	52.897	ug/l		96
68) m/p-Xylenes	11.892	106	1081629	133.997	ug/l		92
69) o-Xylene	12.222	106	493097	59.913	ug/l		94
70) Styrene	12.239	104	668293	48.815	ug/l		96
71) Bromoform	12.398	173	150230	47.310	ug/l	#	99
73) Isopropylbenzene	12.522	105	1022859	47.518	ug/l		98
74) N-amyl acetate	12.333	43	630262	46.829	ug/l	#	85
75) 1,1,2,2-Tetrachloroethane	12.769	83	403355	46.759	ug/l		99
76) 1,2,3-Trichloropropane	12.822	75	311530m	48.143	ug/l		
77) Bromobenzene	12.804	156	214815	46.716	ug/l		77
78) n-propylbenzene	12.863	91	1230001	47.976	ug/l		95
79) 2-Chlorotoluene	12.951	91	719578	47.017	ug/l		95
80) 1,3,5-Trimethylbenzene	13.004	105	848987	48.382	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.569	75	125305	41.794	ug/l		97
82) 4-Chlorotoluene	13.045	91	679307	46.697	ug/l		97
83) tert-Butylbenzene	13.269	119	723128	45.281	ug/l		95
84) 1,2,4-Trimethylbenzene	13.310	105	954826	54.071	ug/l		97
85) sec-Butylbenzene	13.445	105	1047589	47.774	ug/l		96
86) p-Isopropyltoluene	13.557	119	823216	48.156	ug/l		97
87) 1,3-Dichlorobenzene	13.557	146	396030	46.868	ug/l		98
88) 1,4-Dichlorobenzene	13.639	146	393955	46.389	ug/l		99
89) n-Butylbenzene	13.886	91	737547	47.867	ug/l		96
90) Hexachloroethane	14.151	117	165022	44.366	ug/l		73
91) 1,2-Dichlorobenzene	13.927	146	401160	45.762	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.545	75	87794	46.091	ug/l		76
93) 1,2,4-Trichlorobenzene	15.198	180	193187	46.257	ug/l		97
94) Hexachlorobutadiene	15.304	225	79968	43.568	ug/l		99
95) Naphthalene	15.439	128	1027882	56.895	ug/l		98
96) 1,2,3-Trichlorobenzene	15.627	180	189303	43.909	ug/l		97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091922\
Data File : VN074598.D
Acq On : 19 Sep 2022 20:08
Operator : JC\MD
Sample : N4647-03MS
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Sep 20 04:22:03 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 15 19:20:33 2022
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
1035-MW-02(23.8)MS

Manual Integrations APPROVED

Reviewed By :Krupa Patel 09/21/2022
Supervised By :Mahesh Dadoda 09/21/2022

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091922\
Data File : VN074598.D
Acq On : 19 Sep 2022 20:08
Operator : JC\MD
Sample : N4647-03MS
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Sep 20 04:22:03 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 15 19:20:33 2022
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
1035-MW-02(23.8)MS

Manual Integrations APPROVED

Reviewed By :Krupa Patel 09/21/2022
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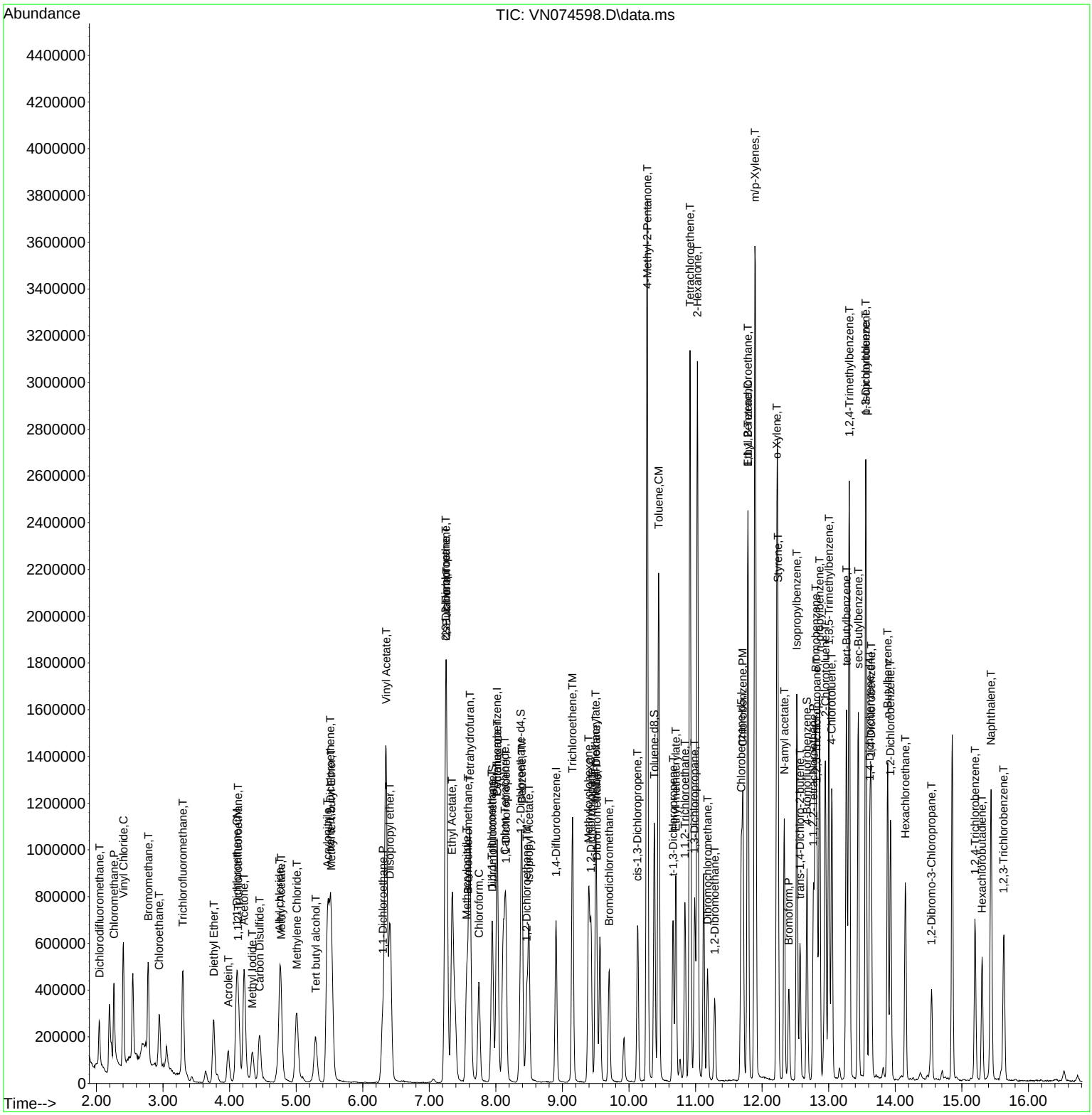
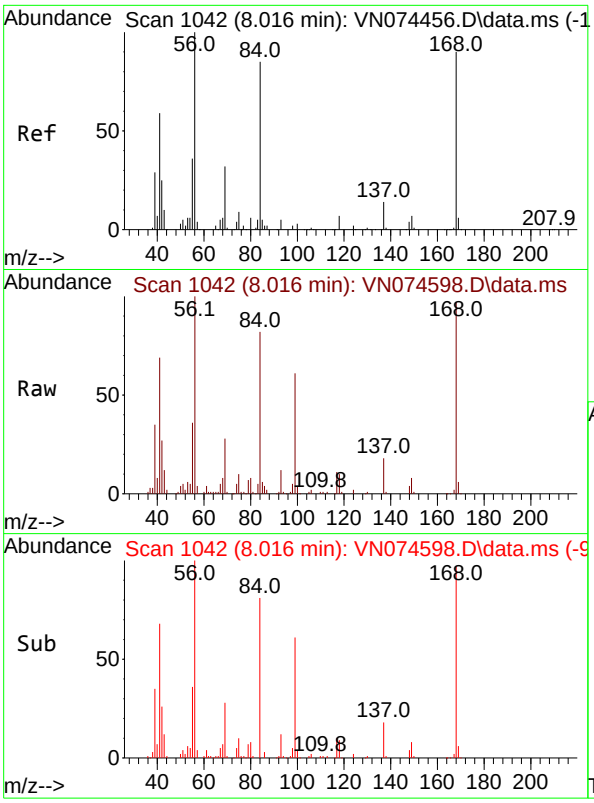
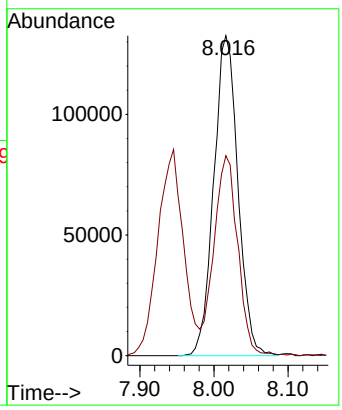




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074598.D
Acq: 19 Sep 2022 20:08

Tgt Ion:168 Resp: 30087

Ion	Ratio	Lower	Upper
168	100		
99	62.2	42.3	63.5



Instrument :
MSVOA_N
ClientSampleId :
1035-MW-02(23.8)MS

Manual Integrations
APPROVED

Reviewed By :Krupa Patel 09/21/2022
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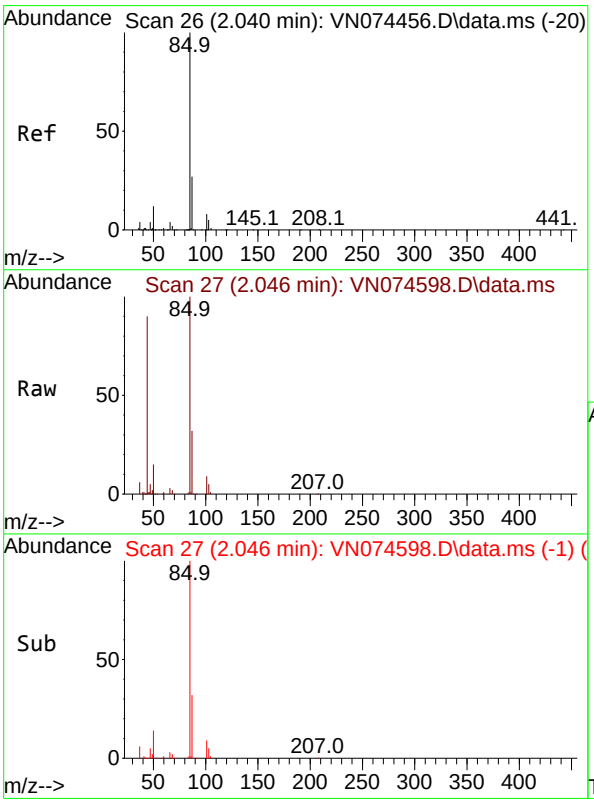
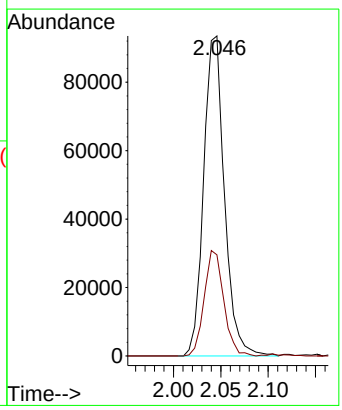
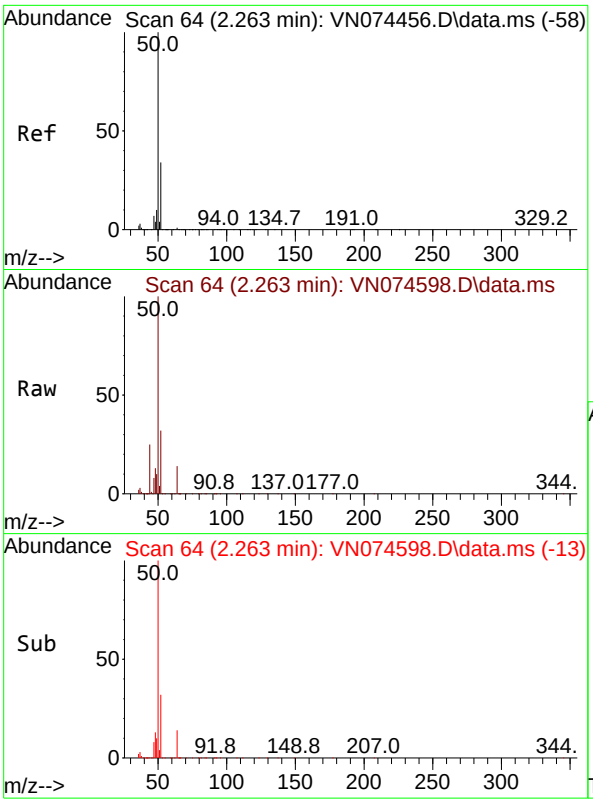


#2
Dichlorodifluoromethane
Concen: 43.572 ug/l
RT: 2.046 min Scan# 27
Delta R.T. 0.006 min
Lab File: VN074598.D
Acq: 19 Sep 2022 20:08

Tgt Ion: 85 Resp: 142679

Ion	Ratio	Lower	Upper
85	100		
87	31.6	15.7	47.1

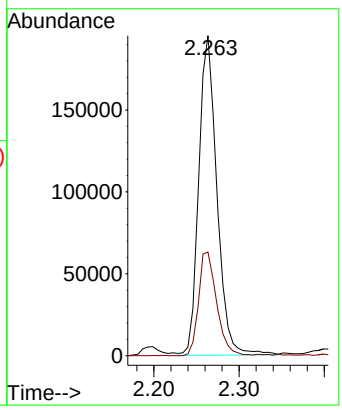




#3
Chloromethane
Concen: 52.453 ug/l
RT: 2.263 min Scan# 64
Delta R.T. 0.000 min
Lab File: VN074598.D
Acq: 19 Sep 2022 20:08

Tgt Ion: 50 Resp: 28897

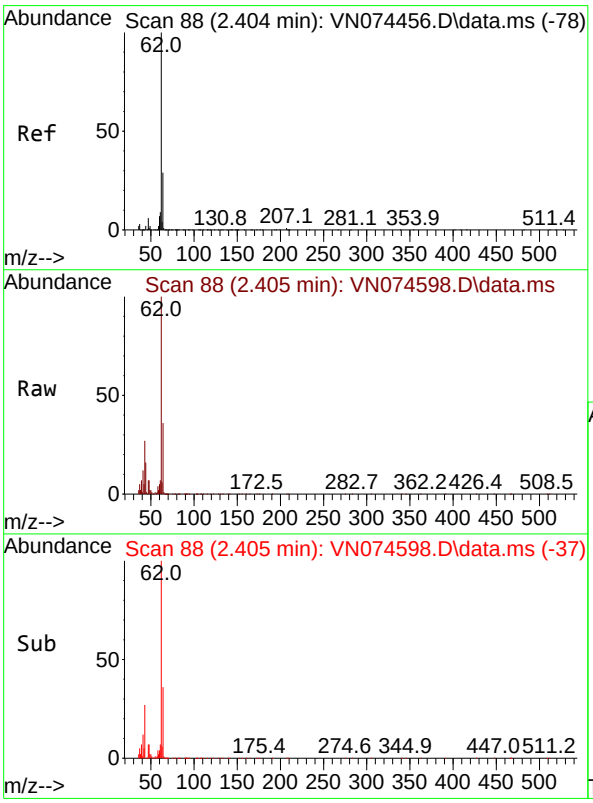
Ion	Ratio	Lower	Upper
50	100		
52	32.6	25.7	38.5



Instrument :
MSVOA_N
ClientSampleId :
1035-MW-02(23.8)MS

Manual Integrations
APPROVED

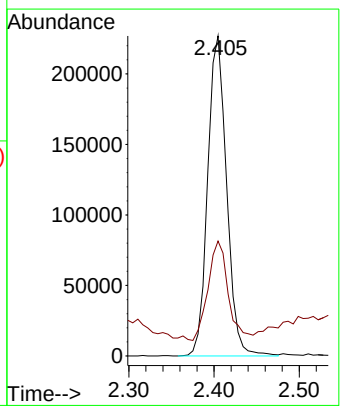
Reviewed By :Krupa Patel 09/21/2022
Supervised By :Mahesh Dadoda 09/21/2022

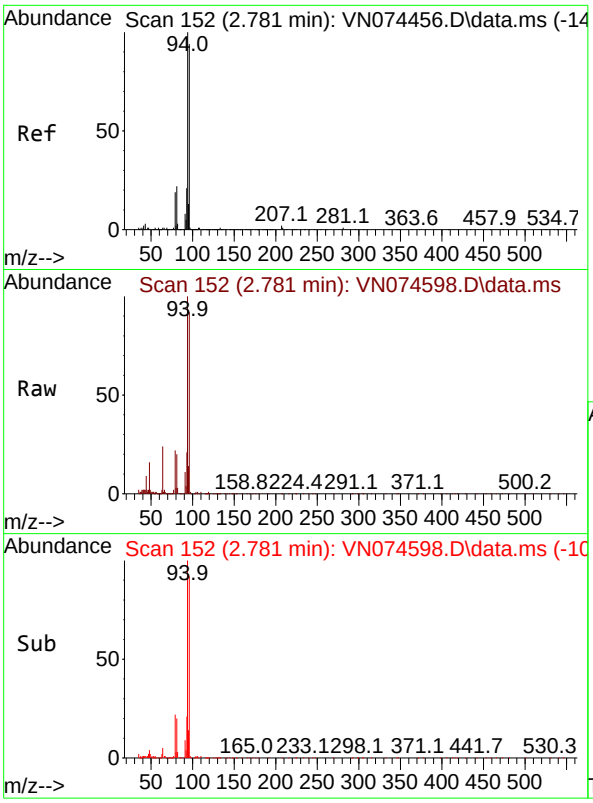


#4
Vinyl Chloride
Concen: 59.415 ug/l
RT: 2.405 min Scan# 88
Delta R.T. 0.001 min
Lab File: VN074598.D
Acq: 19 Sep 2022 20:08

Tgt Ion: 62 Resp: 350202

Ion	Ratio	Lower	Upper
62	100		
64	30.3	25.0	37.4

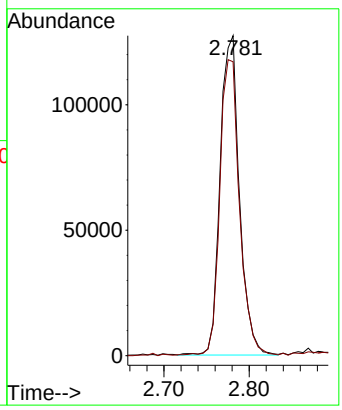




#5
Bromomethane
Concen: 64.372 ug/l
RT: 2.781 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074598.D
Acq: 19 Sep 2022 20:08

Tgt Ion: 94 Resp: 20009

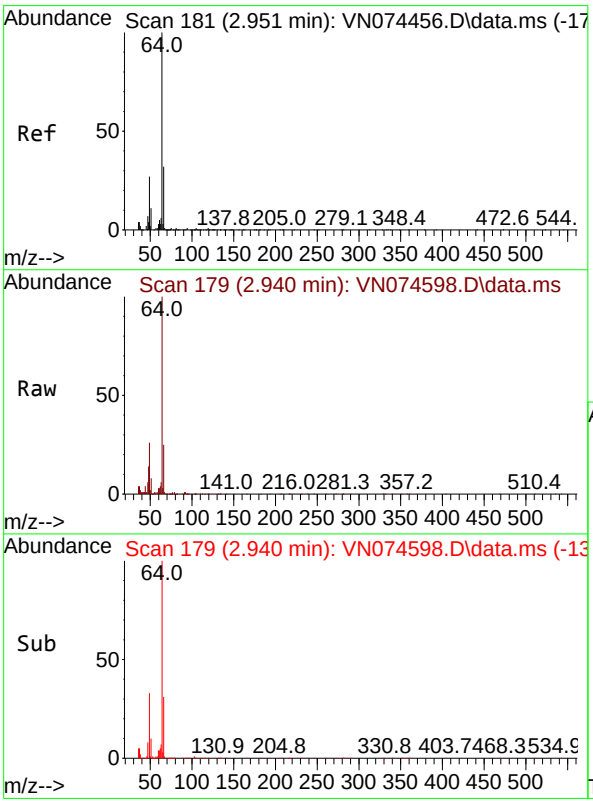
Ion	Ratio	Lower	Upper
94	100		
96	91.8	76.0	114.0



Instrument :
MSVOA_N
ClientSampleId :
1035-MW-02(23.8)MS

Manual Integrations
APPROVED

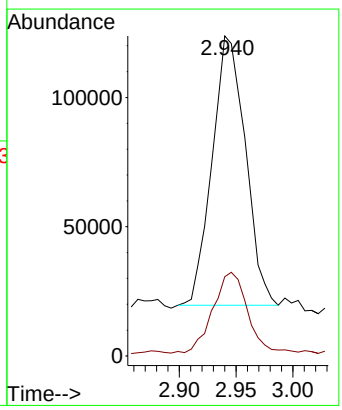
Reviewed By :Krupa Patel 09/21/2022
Supervised By :Mahesh Dadoda 09/21/2022

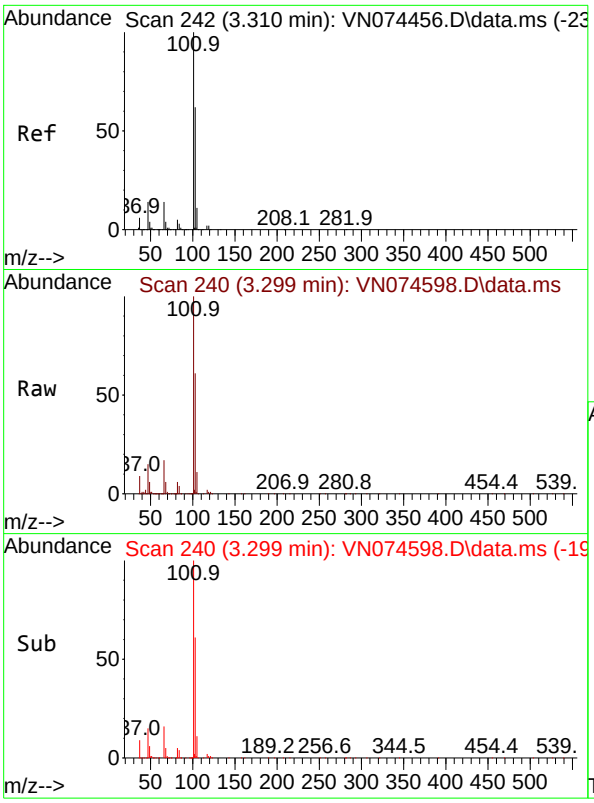


#6
Chloroethane
Concen: 52.740 ug/l
RT: 2.940 min Scan# 179
Delta R.T. -0.011 min
Lab File: VN074598.D
Acq: 19 Sep 2022 20:08

Tgt Ion: 64 Resp: 212338

Ion	Ratio	Lower	Upper
64	100		
66	27.7	26.2	39.4





#7
Trichlorofluoromethane
Concen: 66.900 ug/l
RT: 3.299 min Scan# 24
Delta R.T. -0.011 min
Lab File: VN074598.D
Acq: 19 Sep 2022 20:08

Tgt Ion:101 Resp: 43544

Ion	Ratio	Lower	Upper
101	100		
103	61.3	51.5	77.3

Instrument :
MSVOA_N
ClientSampleId :
1035-MW-02(23.8)MS

Manual Integrations
APPROVED

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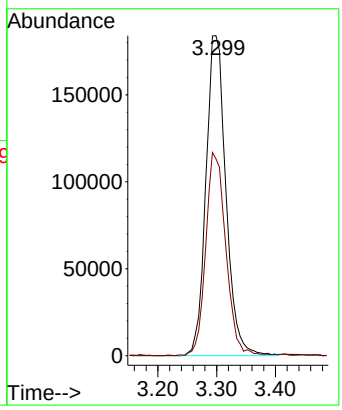
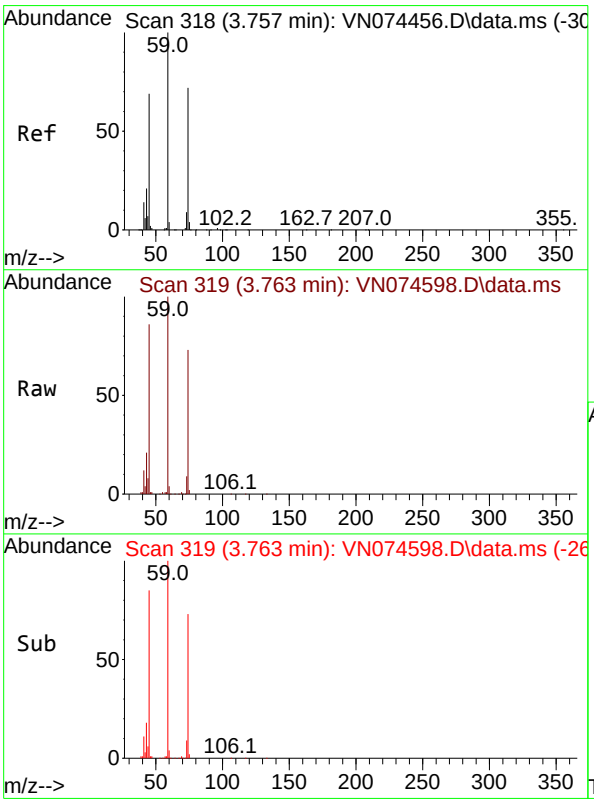
Supervised By :Mahesh Dadoda 09/21/2022

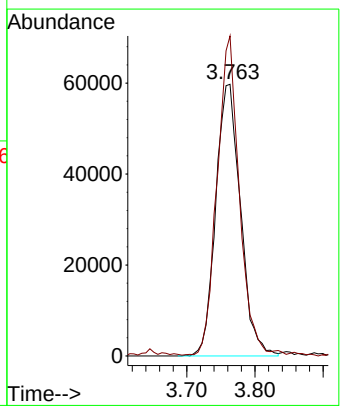


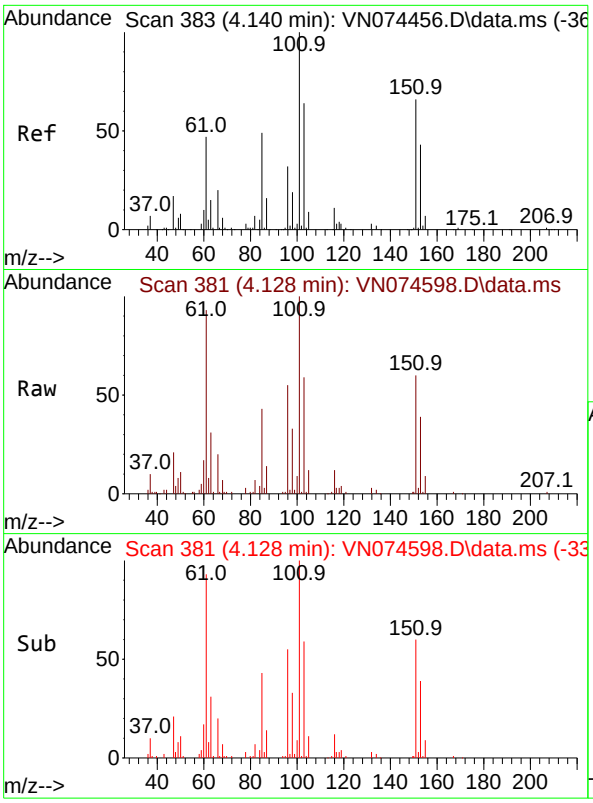


#8
Diethyl Ether
Concen: 45.522 ug/l
RT: 3.763 min Scan# 319
Delta R.T. 0.006 min
Lab File: VN074598.D
Acq: 19 Sep 2022 20:08

Tgt Ion: 74 Resp: 151100

Ion	Ratio	Lower	Upper
74	100		
45	104.6	42.9	128.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 44.720 ug/l
RT: 4.128 min Scan# 3
Delta R.T. -0.012 min
Lab File: VN074598.D
Acq: 19 Sep 2022 20:08

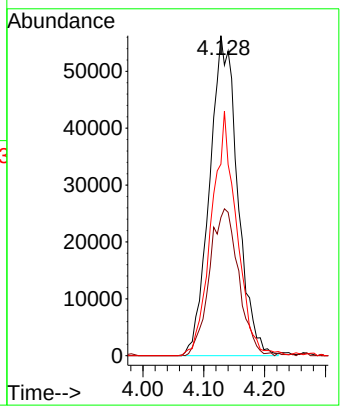
Tgt Ion:101 Resp: 18008

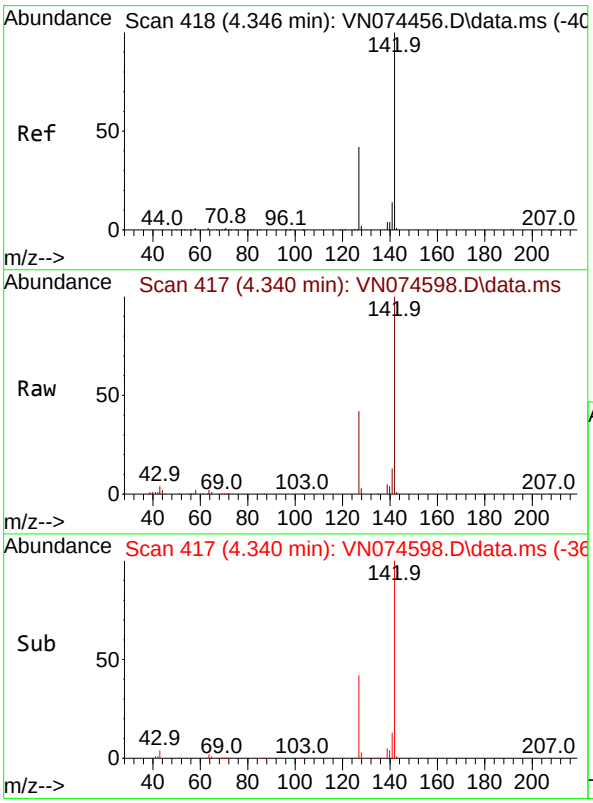
Ion	Ratio	Lower	Upper
101	100		
85	47.7	34.7	52.1
151	68.2	63.0	94.4

Instrument :
MSVOA_N
ClientSampleId :
1035-MW-02(23.8)MS

Manual Integrations
APPROVED

Reviewed By :Krupa Patel 09/21/2022
Supervised By :Mahesh Dadoda 09/21/2022

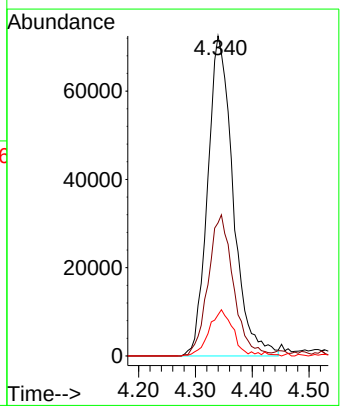


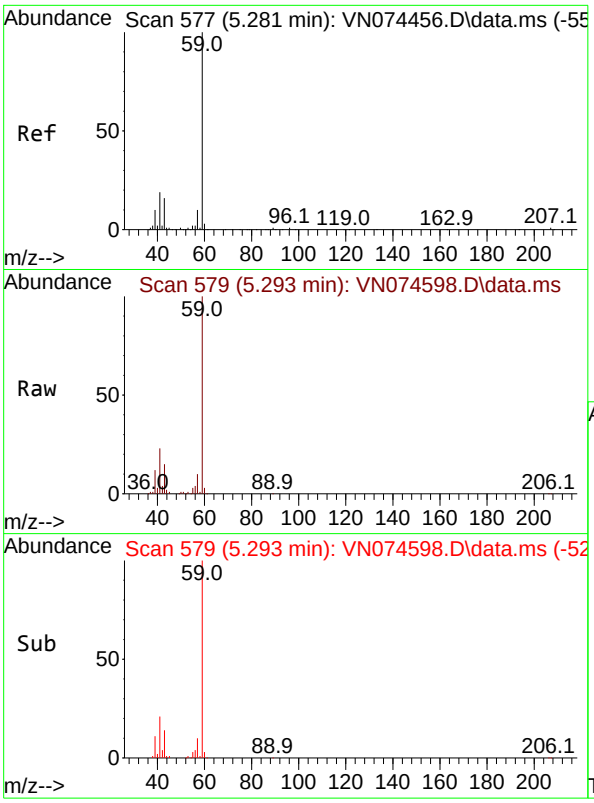


#10
Methyl Iodide
Concen: 47.377 ug/l
RT: 4.340 min Scan# 417
Delta R.T. -0.006 min
Lab File: VN074598.D
Acq: 19 Sep 2022 20:08

Tgt Ion:142 Resp: 225063

Ion	Ratio	Lower	Upper
142	100		
127	43.9	31.3	46.9
141	13.7	11.2	16.8

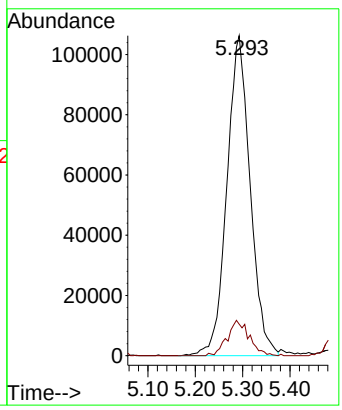




#11
Tert butyl alcohol
Concen: 217.904 ug/l
RT: 5.293 min Scan# 5
Delta R.T. 0.012 min
Lab File: VN074598.D
Acq: 19 Sep 2022 20:08

Tgt Ion: 59 Resp: 36237

Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.3	12.5



Instrument :
MSVOA_N
ClientSampleId :
1035-MW-02(23.8)MS

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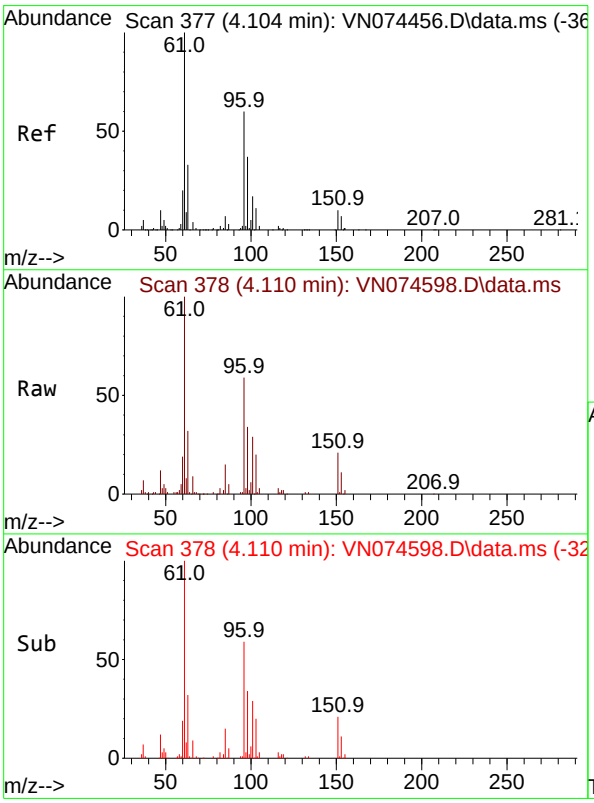
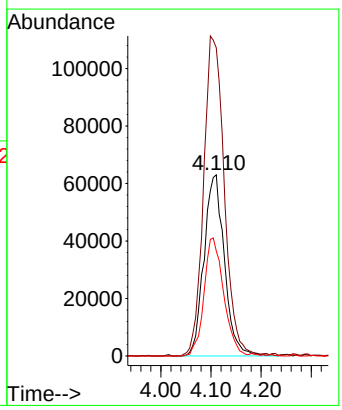
Supervised By :Mahesh Dadoda 09/21/2022

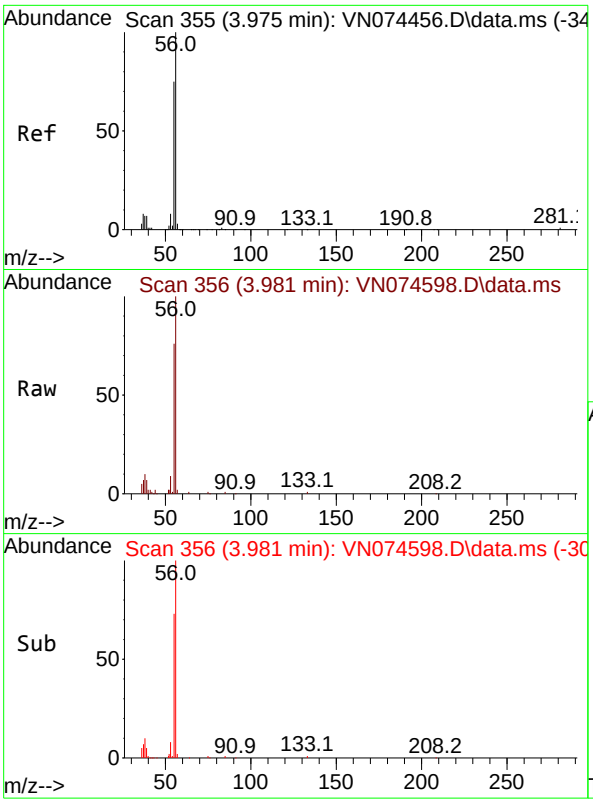


#12
1,1-Dichloroethene
Concen: 45.134 ug/l
RT: 4.110 min Scan# 378
Delta R.T. 0.006 min
Lab File: VN074598.D
Acq: 19 Sep 2022 20:08

Tgt Ion: 96 Resp: 178749

Ion	Ratio	Lower	Upper
96	100		
61	170.1	127.6	191.4
98	57.9	51.2	76.8

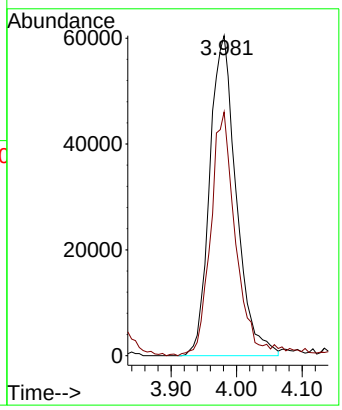




#13
Acrolein
Concen: 279.264 ug/l
RT: 3.981 min Scan# 3
Delta R.T. 0.006 min
Lab File: VN074598.D
Acq: 19 Sep 2022 20:08

Tgt Ion: 56 Resp: 16959

Ion	Ratio	Lower	Upper
56	100		
55	70.6	54.8	82.2



Instrument :
MSVOA_N
ClientSampleId :
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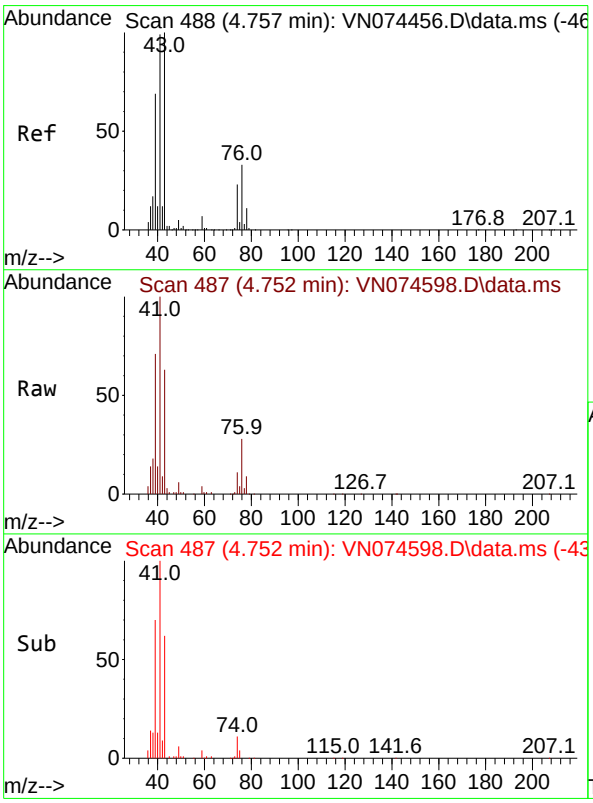
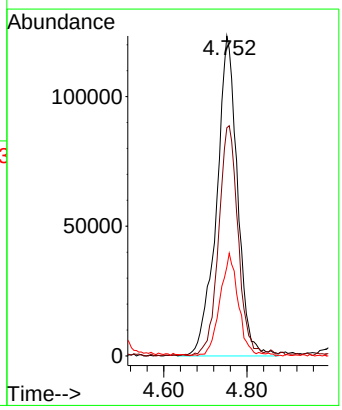
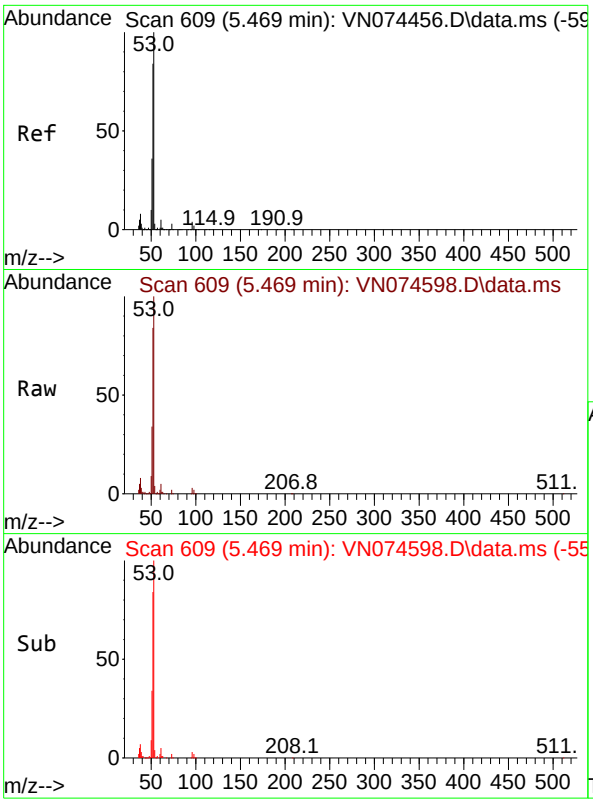


#14
Allyl chloride
Concen: 45.786 ug/l
RT: 4.752 min Scan# 487
Delta R.T. -0.005 min
Lab File: VN074598.D
Acq: 19 Sep 2022 20:08

Tgt Ion: 41 Resp: 433233

Ion	Ratio	Lower	Upper
41	100		
39	66.3	53.2	79.8
76	27.5	29.9	44.9#

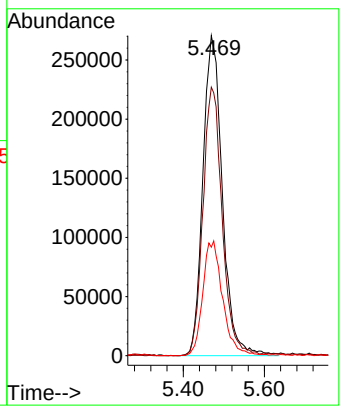




#15
Acrylonitrile
Concen: 241.033 ug/l
RT: 5.469 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN074598.D
Acq: 19 Sep 2022 20:08

Tgt Ion: 53 Resp: 90052

Ion	Ratio	Lower	Upper
53	100		
52	83.0	66.4	99.6
51	36.6	28.5	42.7



Instrument :
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ClientSampleId :
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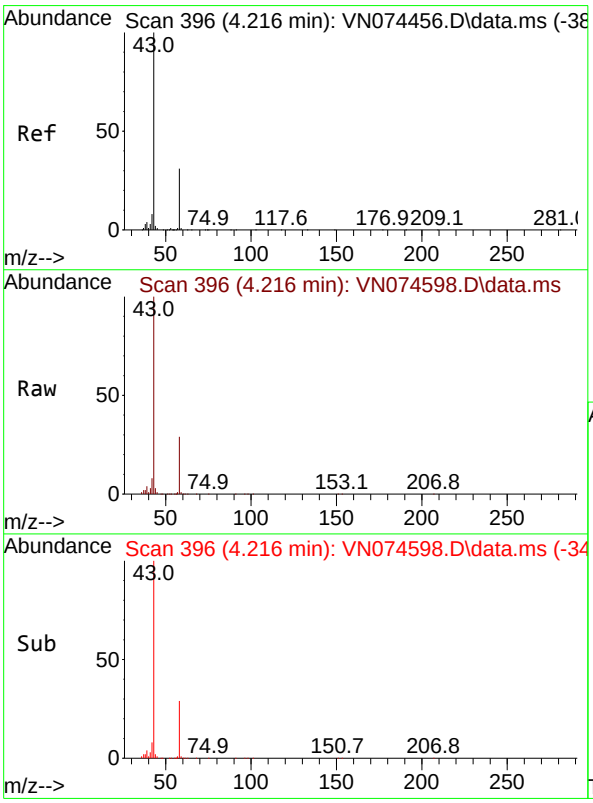
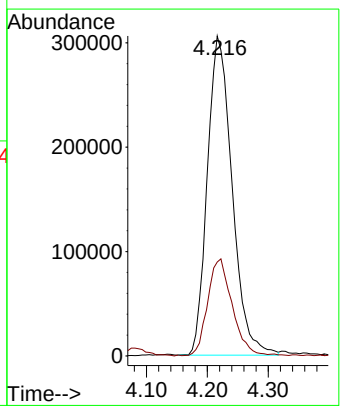
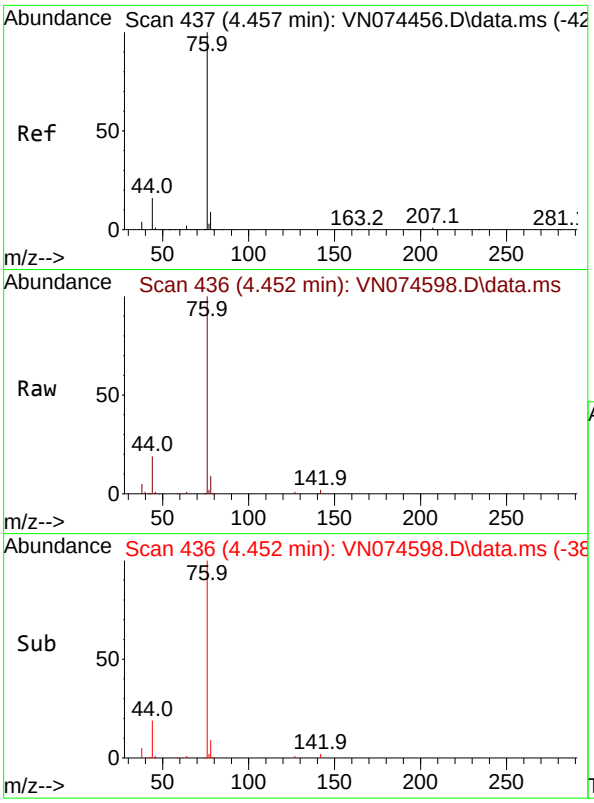


#16
Acetone
Concen: 264.874 ug/l
RT: 4.216 min Scan# 396
Delta R.T. 0.000 min
Lab File: VN074598.D
Acq: 19 Sep 2022 20:08

Tgt Ion: 43 Resp: 865271

Ion	Ratio	Lower	Upper
43	100		
58	29.1	26.0	39.0

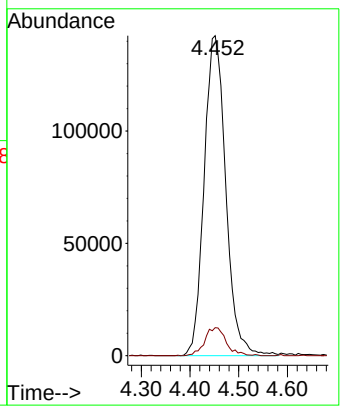




#17
Carbon Disulfide
Concen: 40.418 ug/l
RT: 4.452 min Scan# 4
Delta R.T. -0.005 min
Lab File: VN074598.D
Acq: 19 Sep 2022 20:08

Tgt Ion: 76 Resp: 43918

Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.2	10.8



Instrument :
MSVOA_N
ClientSampleId :
1035-MW-02(23.8)MS

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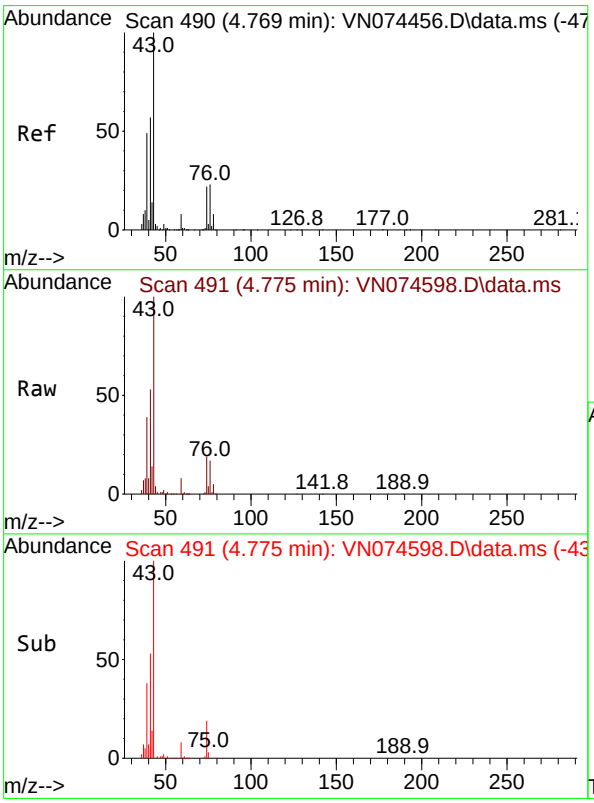
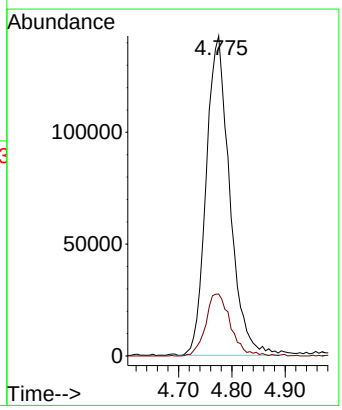
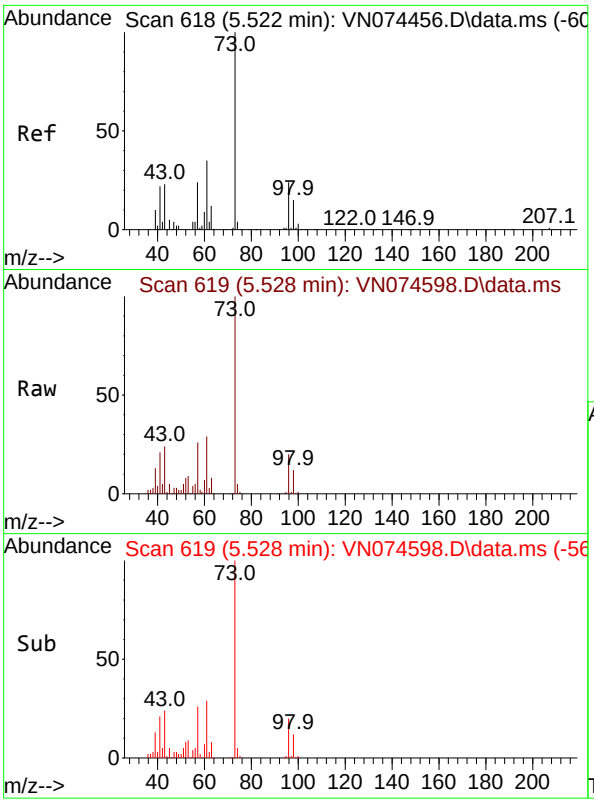


#18
Methyl Acetate
Concen: 43.250 ug/l
RT: 4.775 min Scan# 491
Delta R.T. 0.006 min
Lab File: VN074598.D
Acq: 19 Sep 2022 20:08

Tgt Ion: 43 Resp: 438827

Ion	Ratio	Lower	Upper
43	100		
74	20.5	21.6	32.4#

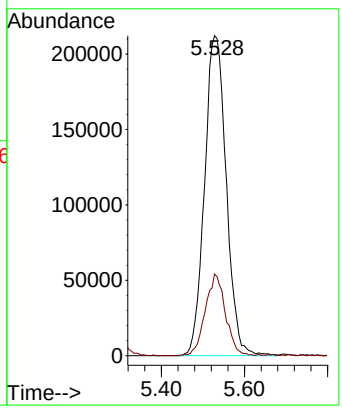




#19
Methyl tert-butyl Ether
Concen: 46.025 ug/l
RT: 5.528 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN074598.D
Acq: 19 Sep 2022 20:08

Tgt Ion: 73 Resp: 76866

Ion	Ratio	Lower	Upper
73	100		
57	25.6	17.6	26.4



Instrument :
MSVOA_N
ClientSampleId :
1035-MW-02(23.8)MS

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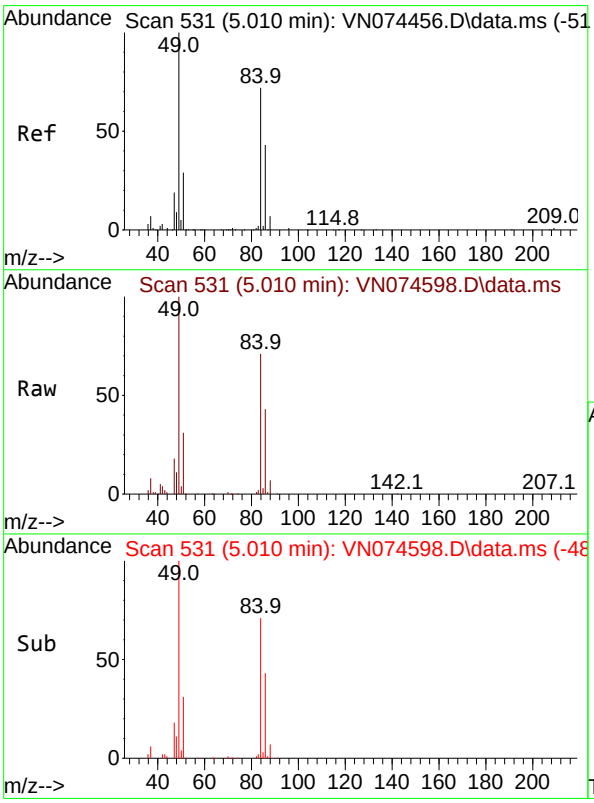
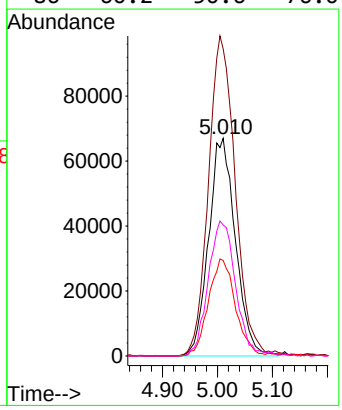
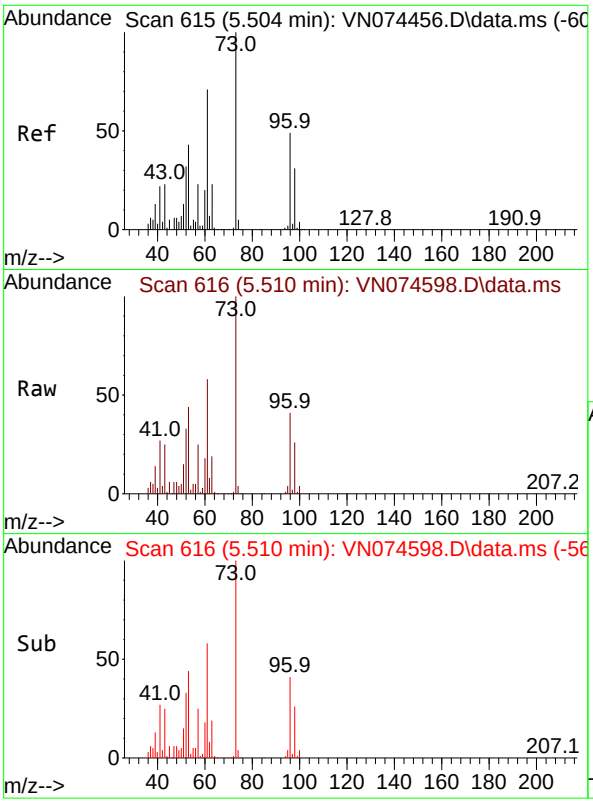


#20
Methylene Chloride
Concen: 45.512 ug/l
RT: 5.010 min Scan# 531
Delta R.T. 0.000 min
Lab File: VN074598.D
Acq: 19 Sep 2022 20:08

Tgt Ion: 84 Resp: 226971

Ion	Ratio	Lower	Upper
84	100		
49	141.2	88.3	132.5#
51	43.9	28.2	42.2#
86	60.2	50.6	76.0

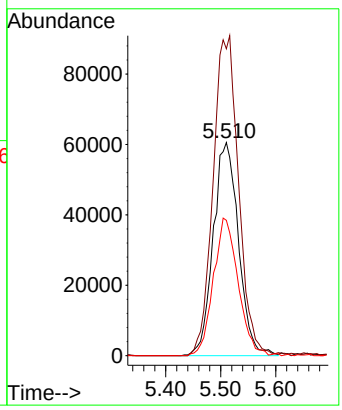




#21
trans-1,2-Dichloroethene
Concen: 44.434 ug/l
RT: 5.510 min Scan# 61
Delta R.T. 0.006 min
Lab File: VN074598.D
Acq: 19 Sep 2022 20:08

Tgt Ion: 96 Resp: 19318

Ion	Ratio	Lower	Upper
96	100		
61	144.0	105.8	158.8
98	63.5	50.3	75.5



Instrument :
MSVOA_N
ClientSampleId :
1035-MW-02(23.8)MS

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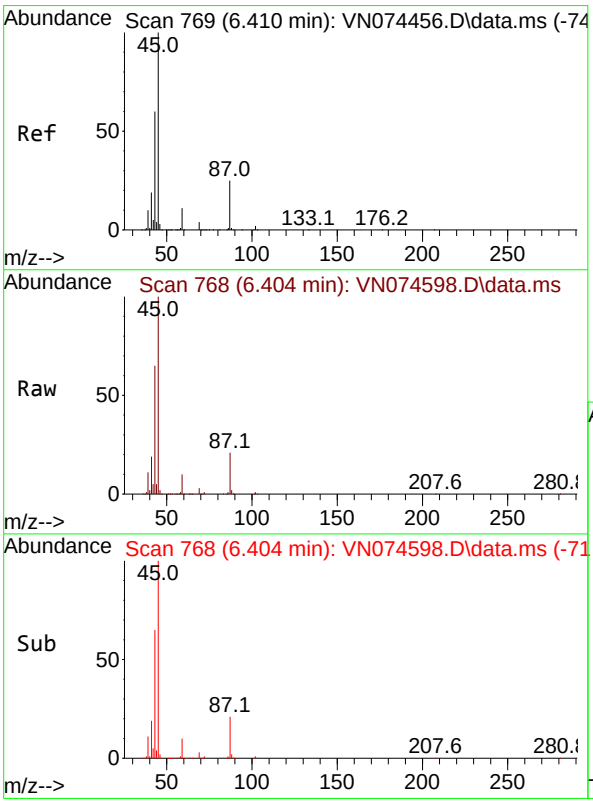
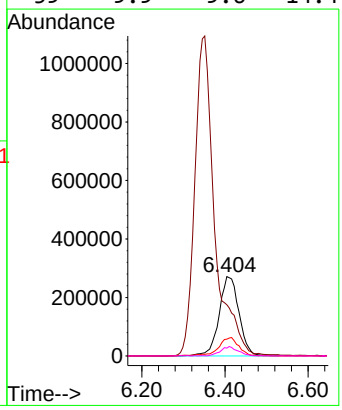
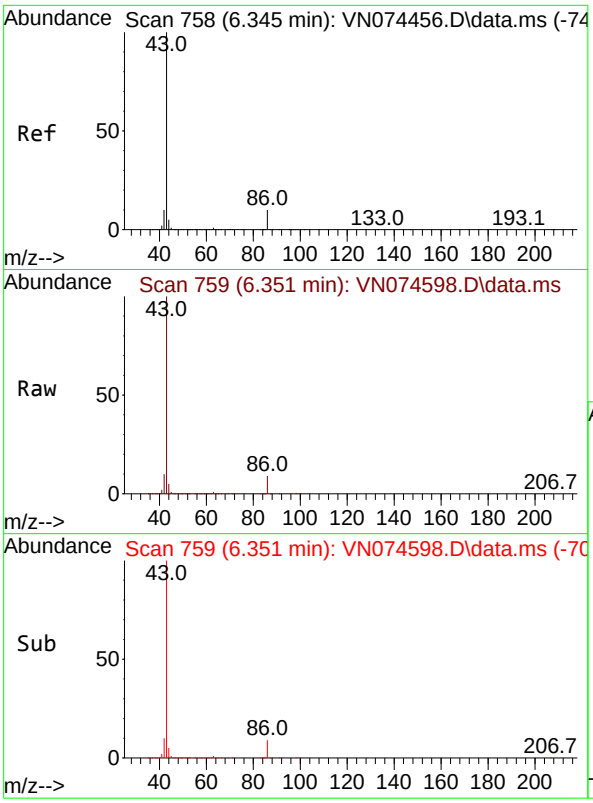


#22
Diisopropyl ether
Concen: 47.471 ug/l
RT: 6.404 min Scan# 768
Delta R.T. -0.006 min
Lab File: VN074598.D
Acq: 19 Sep 2022 20:08

Tgt Ion: 45 Resp: 901960

Ion	Ratio	Lower	Upper
45	100		
43	62.9	46.6	70.0
87	21.2	24.3	36.5#
59	9.9	9.6	14.4

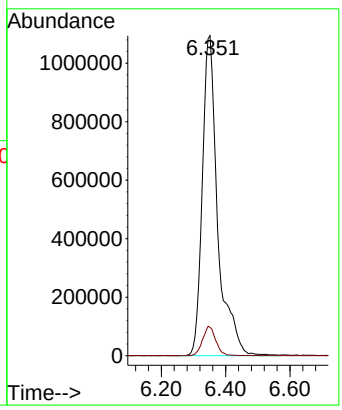




#23
Vinyl Acetate
Concen: 217.533 ug/l
RT: 6.351 min Scan# 7
Delta R.T. 0.006 min
Lab File: VN074598.D
Acq: 19 Sep 2022 20:08

Tgt Ion: 43 Resp: 364545

Ion	Ratio	Lower	Upper
43	100		
86	8.8	10.0	15.0



Instrument :
MSVOA_N
ClientSampleId :
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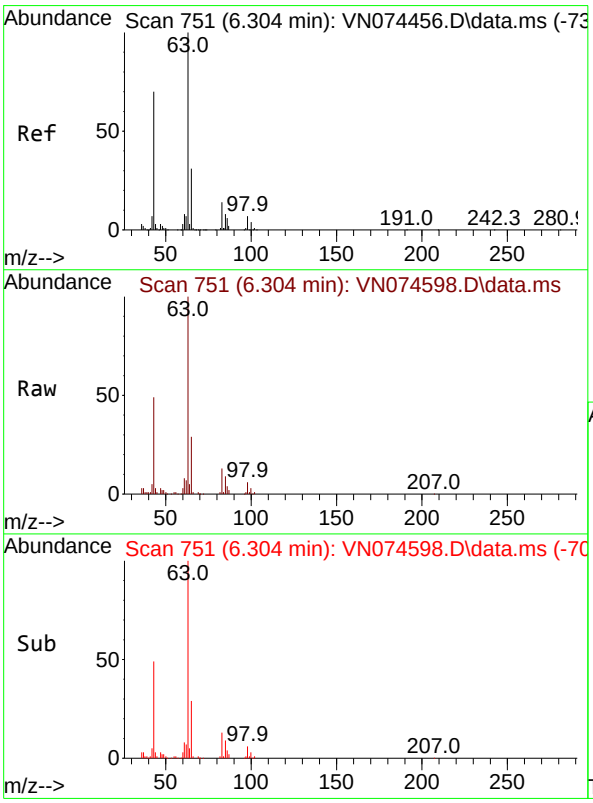
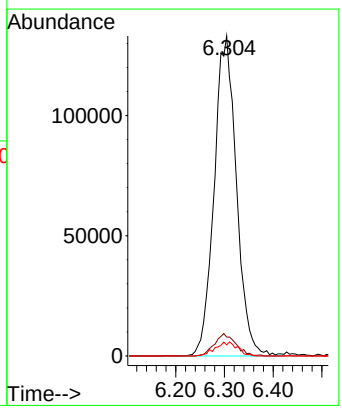
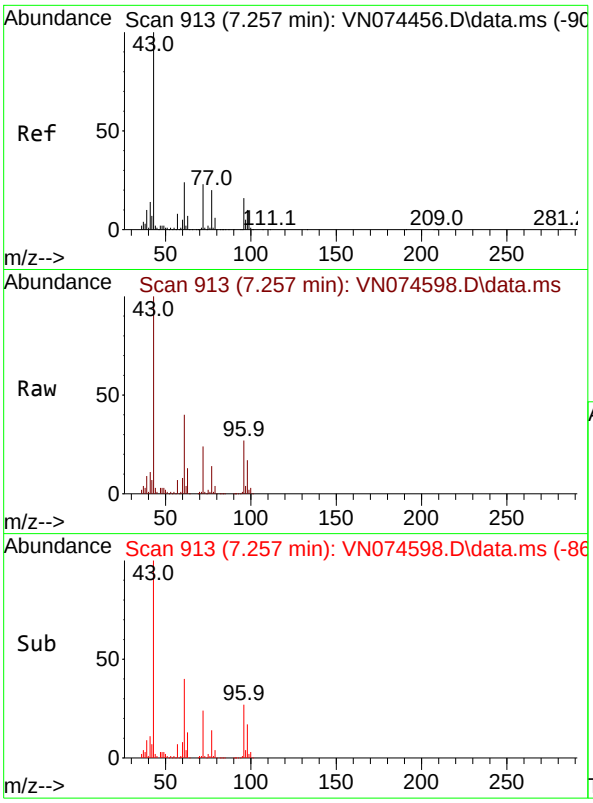


#24
1,1-Dichloroethane
Concen: 44.488 ug/l
RT: 6.304 min Scan# 751
Delta R.T. 0.000 min
Lab File: VN074598.D
Acq: 19 Sep 2022 20:08

Tgt Ion: 63 Resp: 422521

Ion	Ratio	Lower	Upper
63	100		
98	5.9	3.5	10.4
100	3.5	2.3	6.8





#25
2-Butanone
Concen: 254.934 ug/l
RT: 7.257 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN074598.D
Acq: 19 Sep 2022 20:08

Tgt Ion: 43 Resp: 138270

Ion	Ratio	Lower	Upper
43	100		
72	23.7	23.7	35.5

Instrument :
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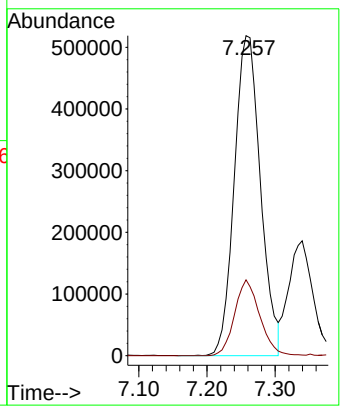
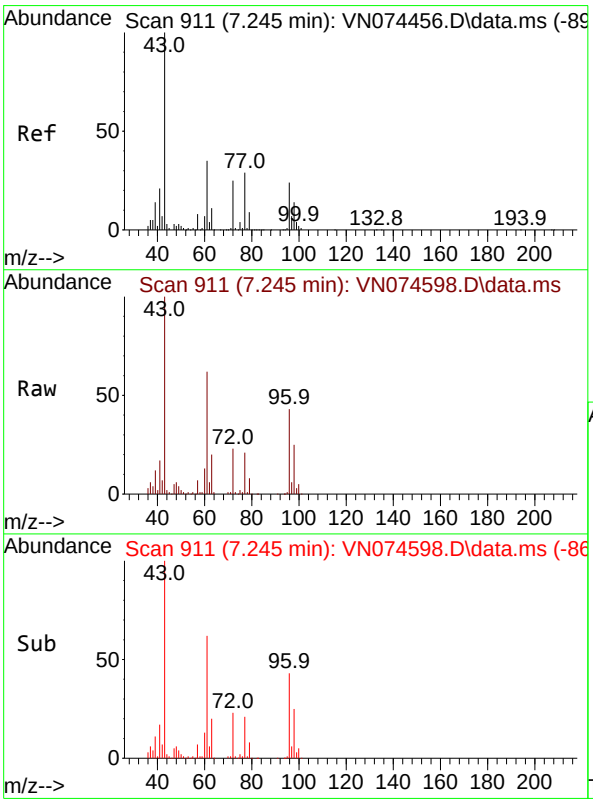
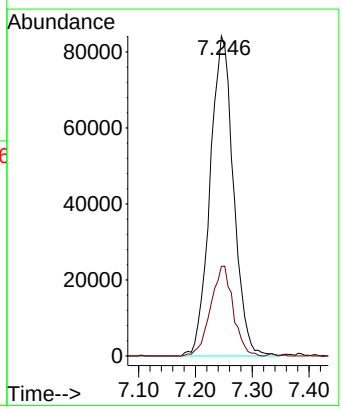


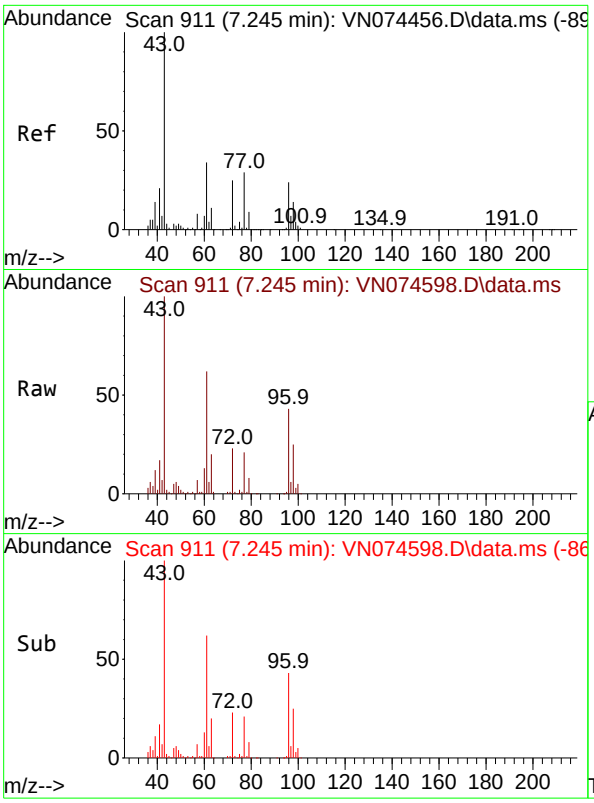


#26
2,2-Dichloropropane
Concen: 29.432 ug/l
RT: 7.245 min Scan# 911
Delta R.T. 0.000 min
Lab File: VN074598.D
Acq: 19 Sep 2022 20:08

Tgt Ion: 77 Resp: 240994

Ion	Ratio	Lower	Upper
77	100		
97	27.0	11.4	34.2





#27
cis-1,2-Dichloroethene
Concen: 81.961 ug/l
RT: 7.245 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN074598.D
Acq: 19 Sep 2022 20:08

Tgt Ion: 96 Resp: 45661(

Ion	Ratio	Lower	Upper
96	100		
61	144.9	0.0	280.6
98	64.2	0.0	128.4

Instrument :
MSVOA_N
ClientSampleId :
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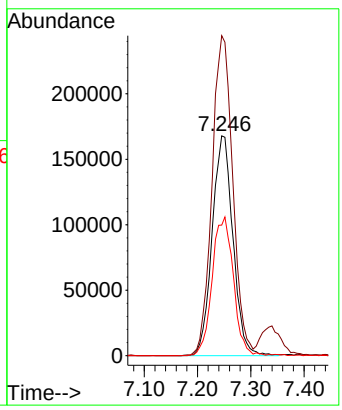
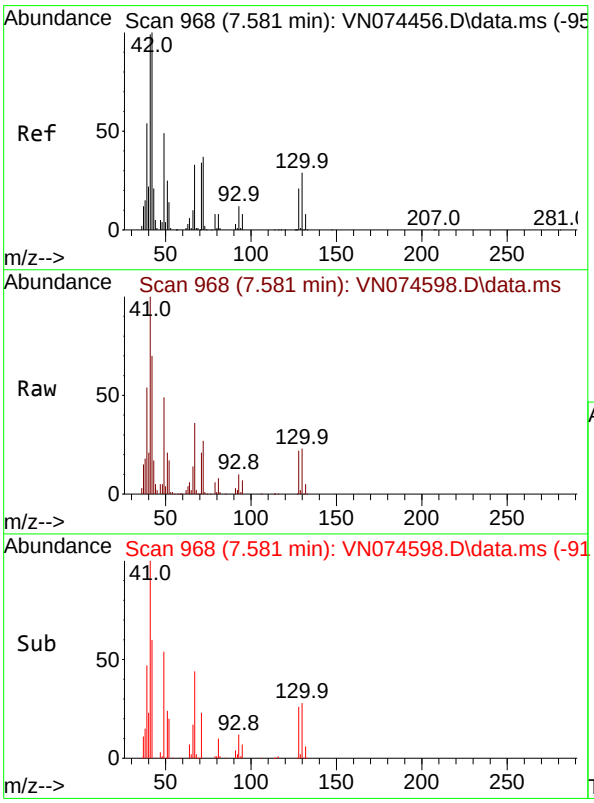
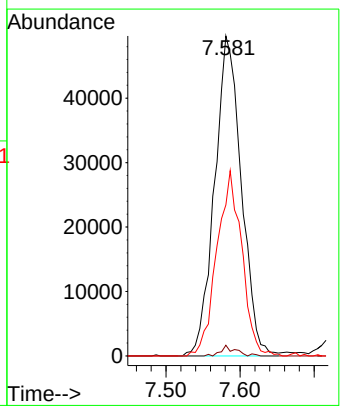


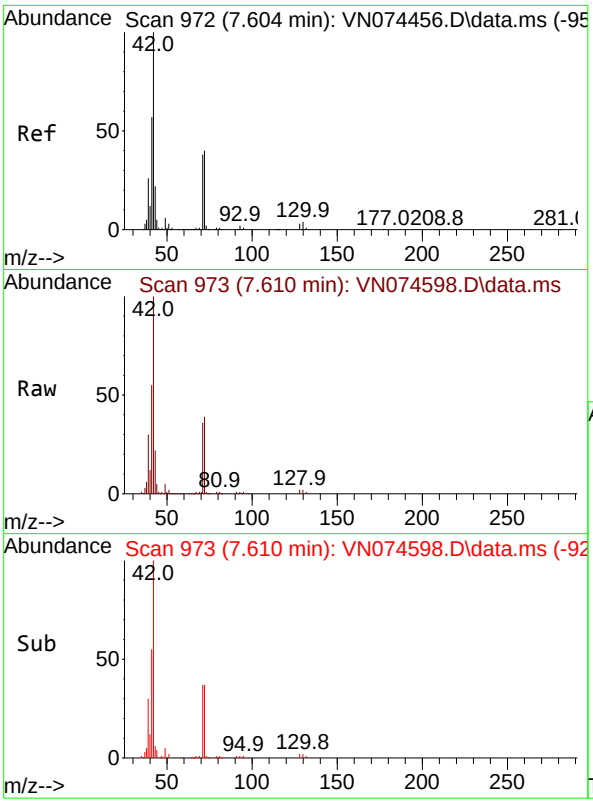


#28
Bromochloromethane
Concen: 44.583 ug/l
RT: 7.581 min Scan# 968
Delta R.T. -0.000 min
Lab File: VN074598.D
Acq: 19 Sep 2022 20:08

Tgt Ion: 49 Resp: 124701

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	4.6
130	54.0	69.7	104.5#

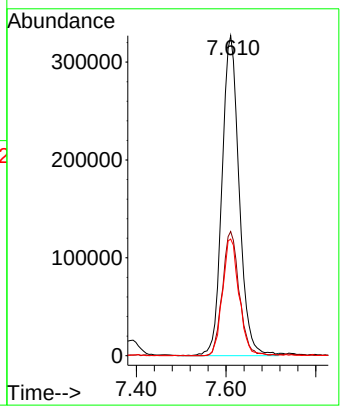




#29
Tetrahydrofuran
Concen: 244.329 ug/l
RT: 7.610 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN074598.D
Acq: 19 Sep 2022 20:08

Tgt Ion: 42 Resp: 87129

Ion	Ratio	Lower	Upper
42	100		
72	38.0	39.7	59.5#
71	35.2	36.6	55.0#



Instrument :
MSVOA_N
ClientSampleId :
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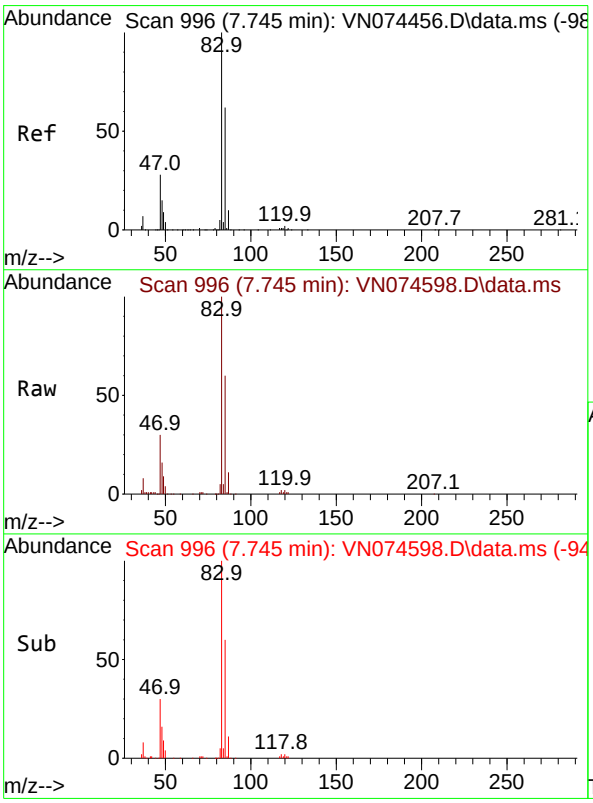
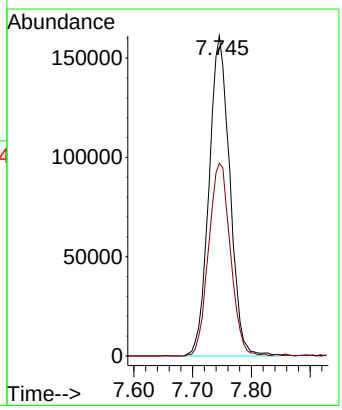
Reviewed By :Krupa Patel 09/21/2022
Supervised By :Mahesh Dadoda 09/21/2022

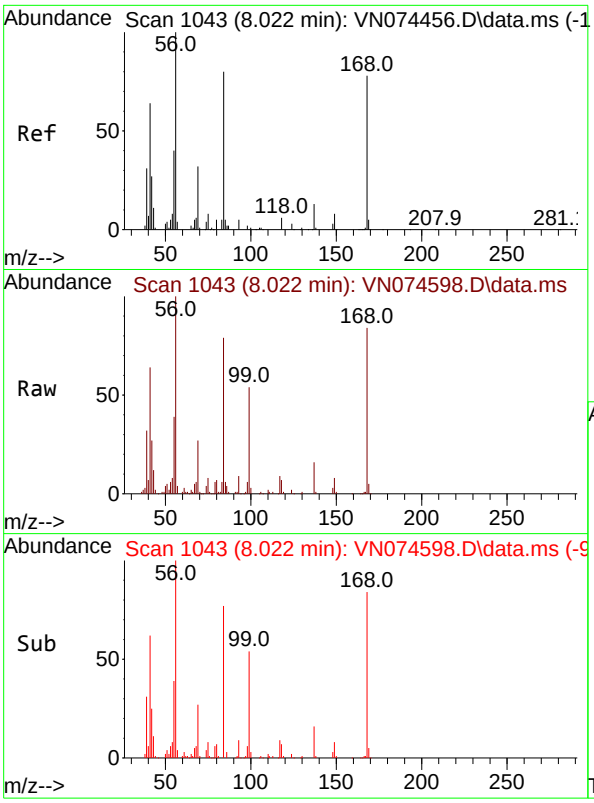


#30
Chloroform
Concen: 45.223 ug/l
RT: 7.745 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN074598.D
Acq: 19 Sep 2022 20:08

Tgt Ion: 83 Resp: 396421

Ion	Ratio	Lower	Upper
83	100		
85	60.2	51.8	77.8

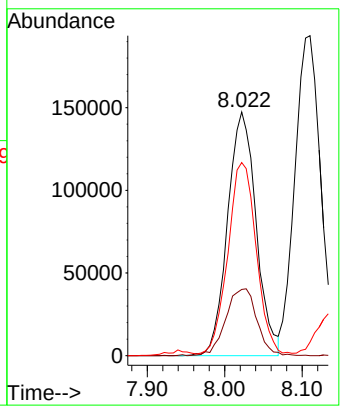




#31
Cyclohexane
Concen: 41.734 ug/l
RT: 8.022 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074598.D
Acq: 19 Sep 2022 20:08

Tgt Ion: 56 Resp: 37817

Ion	Ratio	Lower	Upper
56	100		
69	27.0	27.8	41.8
84	77.0	76.9	115.3



Instrument :
MSVOA_N
ClientSampleId :
1035-MW-02(23.8)MS

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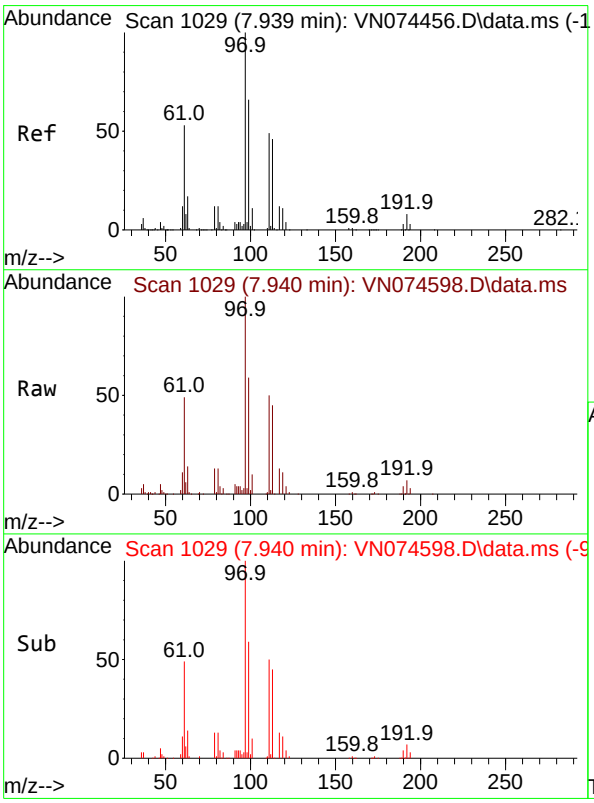
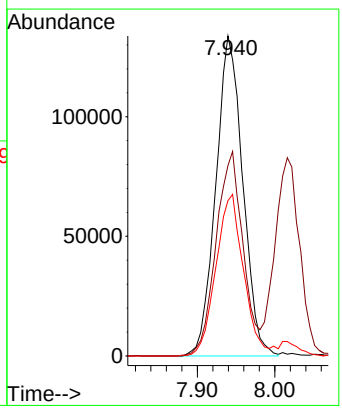
Supervised By :Mahesh Dadoda 09/21/2022

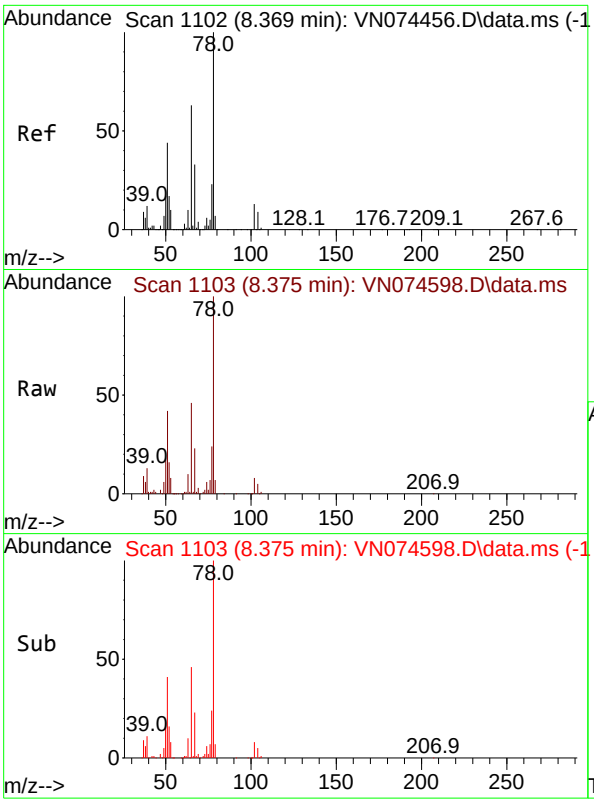


#32
1,1,1-Trichloroethane
Concen: 42.151 ug/l
RT: 7.940 min Scan# 1029
Delta R.T. 0.001 min
Lab File: VN074598.D
Acq: 19 Sep 2022 20:08

Tgt Ion: 97 Resp: 324067

Ion	Ratio	Lower	Upper
97	100		
99	63.9	50.6	76.0
61	51.7	36.0	54.0

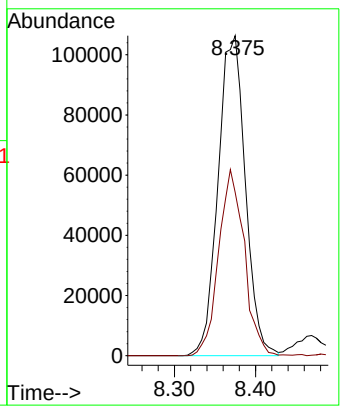




#33
1,2-Dichloroethane-d4
Concen: 48.650 ug/l
RT: 8.375 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN074598.D
Acq: 19 Sep 2022 20:08

Tgt Ion: 65 Resp: 24835

Ion	Ratio	Lower	Upper
65	100		
67	54.7	0.0	104.8



Instrument :
MSVOA_N
ClientSampleId :
1035-MW-02(23.8)MS

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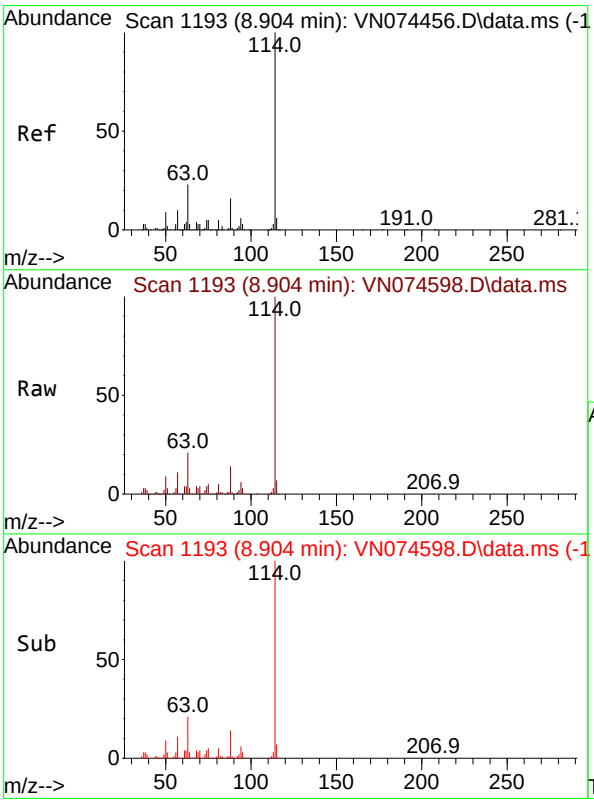
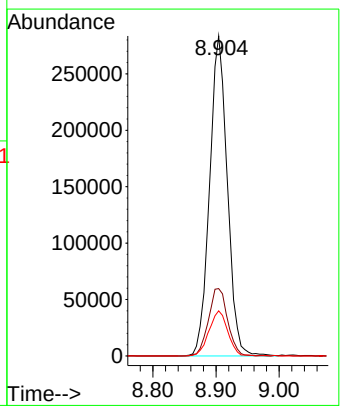
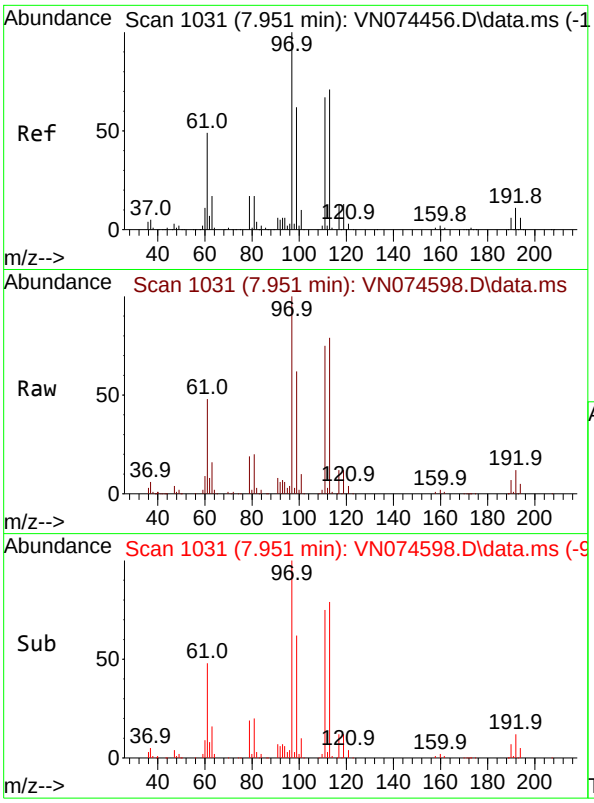


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VN074598.D
Acq: 19 Sep 2022 20:08

Tgt Ion:114 Resp: 552494

Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	40.0
88	14.1	0.0	32.6

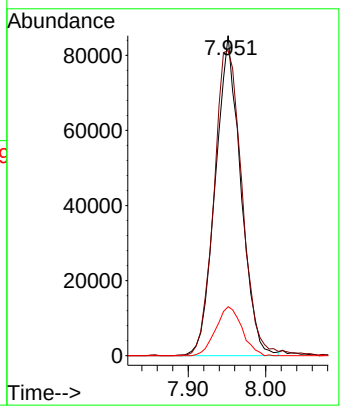




#35
Dibromofluoromethane
Concen: 52.904 ug/l
RT: 7.951 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074598.D
Acq: 19 Sep 2022 20:08

Tgt Ion:113 Resp: 19416

Ion	Ratio	Lower	Upper
113	100		
111	106.1	81.4	122.0
192	15.8	17.0	25.6#



Instrument :
MSVOA_N
ClientSampleId :
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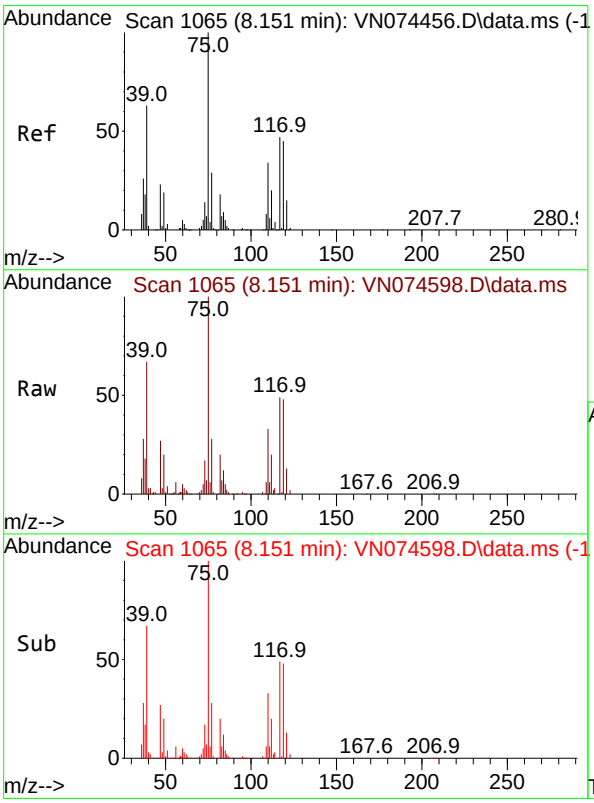
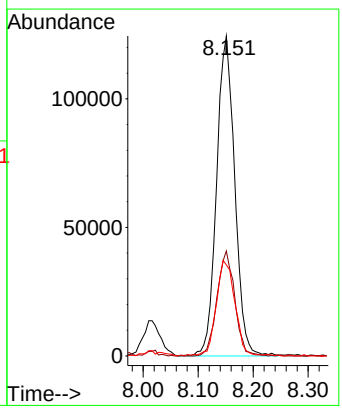
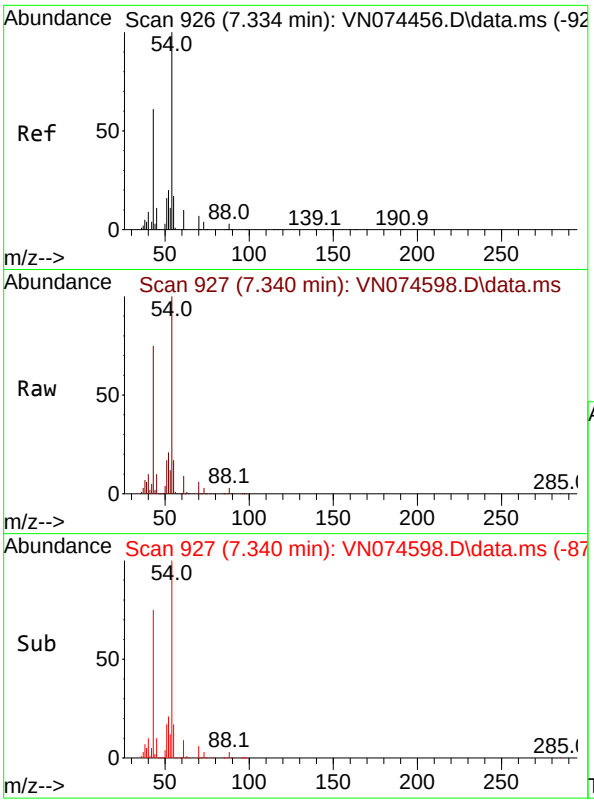


#36
1,1-Dichloropropene
Concen: 44.121 ug/l
RT: 8.151 min Scan# 1065
Delta R.T. 0.000 min
Lab File: VN074598.D
Acq: 19 Sep 2022 20:08

Tgt Ion: 75 Resp: 286620

Ion	Ratio	Lower	Upper
75	100		
110	32.0	18.3	54.8
77	30.7	25.1	37.7

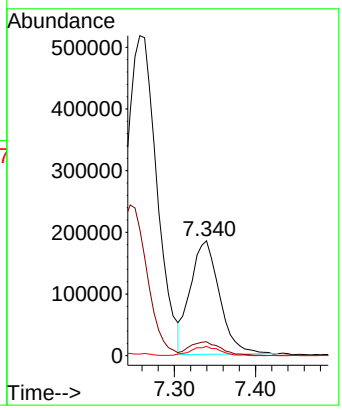




#37
Ethyl Acetate
Concen: 45.816 ug/l
RT: 7.340 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN074598.D
Acq: 19 Sep 2022 20:08

Tgt Ion: 43 Resp: 45964

Ion	Ratio	Lower	Upper
43	100		
61	13.0	11.8	17.6
70	7.9	9.3	13.9



Instrument :
MSVOA_N
ClientSampleId :
1035-MW-02(23.8)MS

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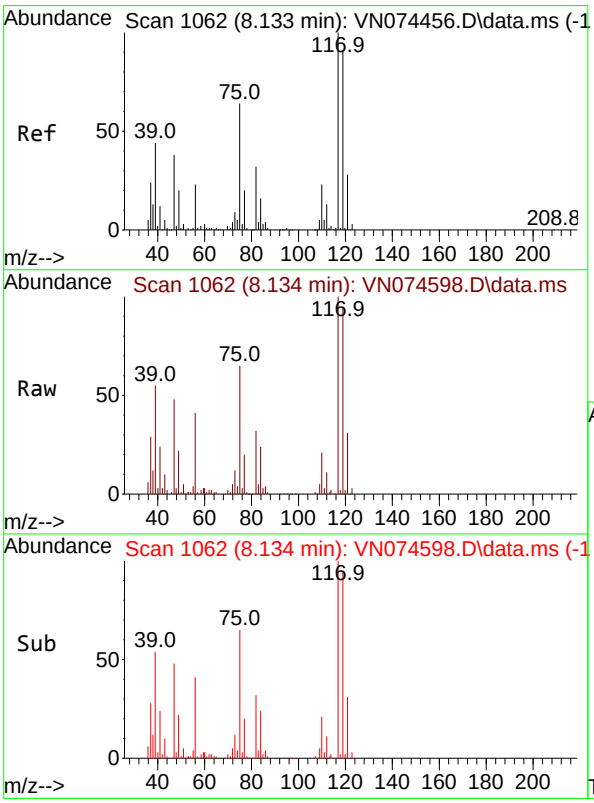
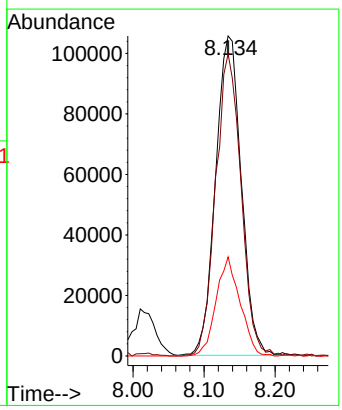
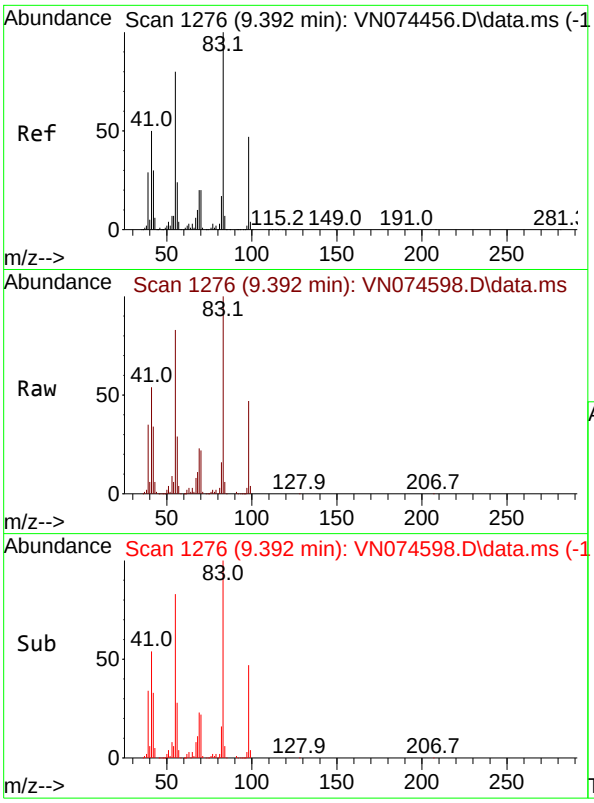


#38
Carbon Tetrachloride
Concen: 44.229 ug/l
RT: 8.134 min Scan# 1062
Delta R.T. 0.001 min
Lab File: VN074598.D
Acq: 19 Sep 2022 20:08

Tgt Ion:117 Resp: 265278

Ion	Ratio	Lower	Upper
117	100		
119	94.6	75.8	113.8
121	31.0	24.6	37.0

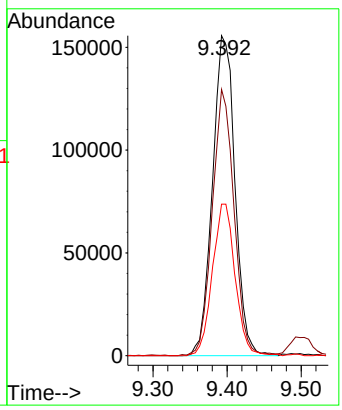




#39
Methylcyclohexane
Concen: 42.449 ug/l
RT: 9.392 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074598.D
Acq: 19 Sep 2022 20:08

Tgt Ion: 83 Resp: 32790

Ion	Ratio	Lower	Upper
83	100		
55	83.2	57.8	86.8
98	47.4	39.4	59.2



Instrument :
MSVOA_N
ClientSampleId :
1035-MW-02(23.8)MS

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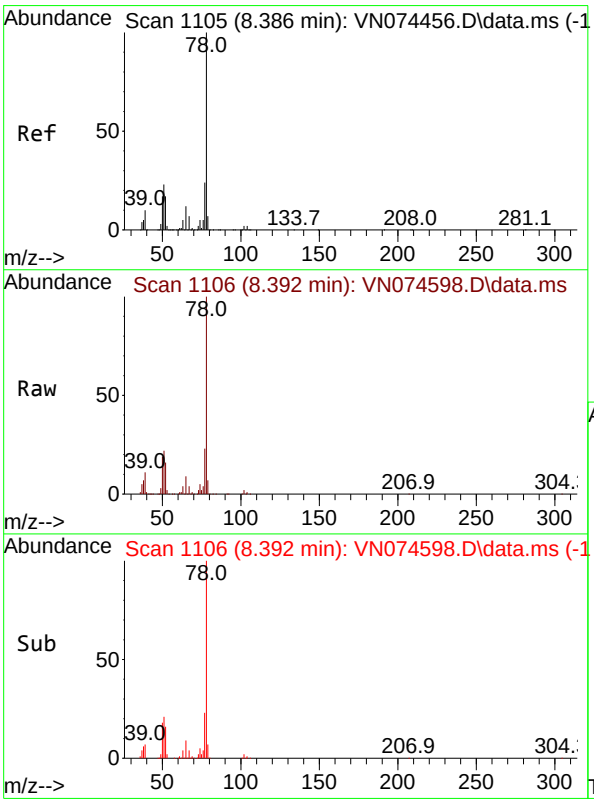
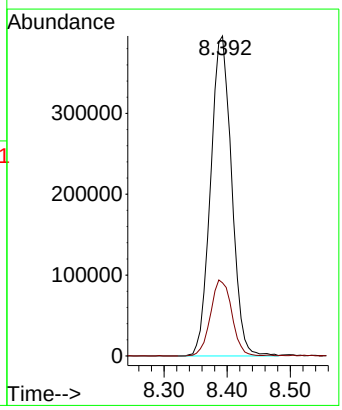
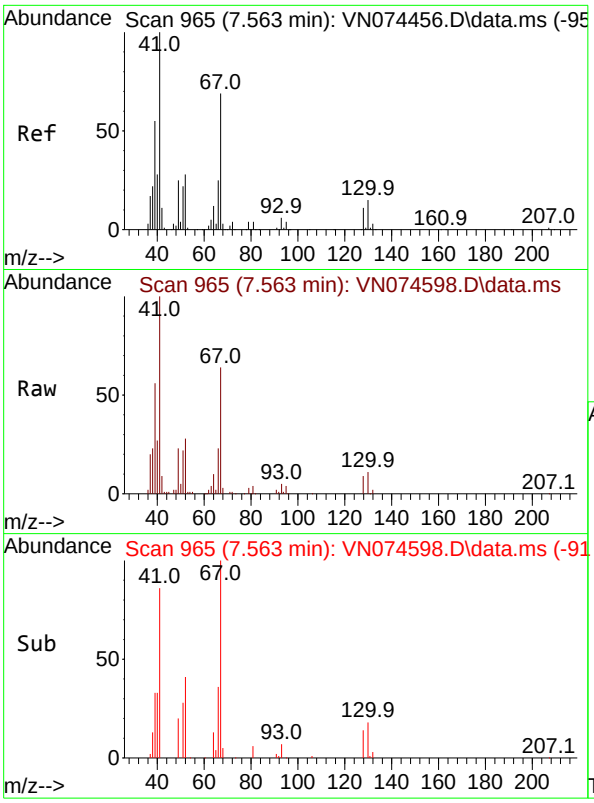


#40
Benzene
Concen: 45.541 ug/l
RT: 8.392 min Scan# 1106
Delta R.T. 0.006 min
Lab File: VN074598.D
Acq: 19 Sep 2022 20:08

Tgt Ion: 78 Resp: 914840

Ion	Ratio	Lower	Upper
78	100		
77	22.8	19.4	29.0

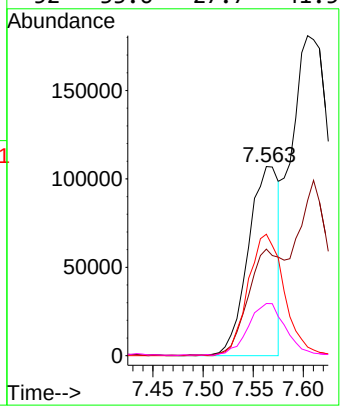




#41
Methacrylonitrile
Concen: 46.530 ug/l
RT: 7.563 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN074598.D
Acq: 19 Sep 2022 20:08

Tgt Ion: 41 Resp: 22568

Ion	Ratio	Lower	Upper
41	100		
39	63.6	48.6	73.0
67	76.8	73.4	110.2
52	33.6	27.7	41.5



Instrument :
MSVOA_N
ClientSampleId :
1035-MW-02(23.8)MS

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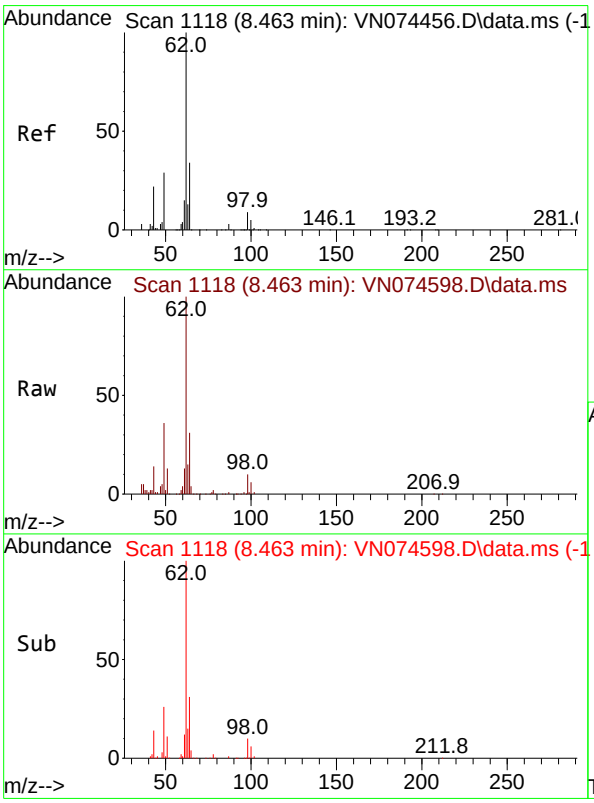
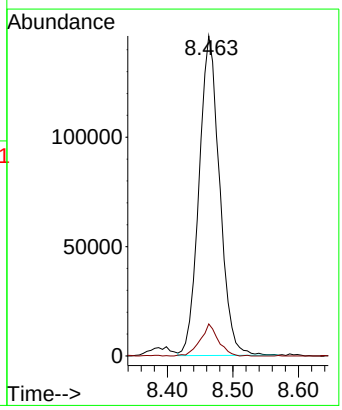
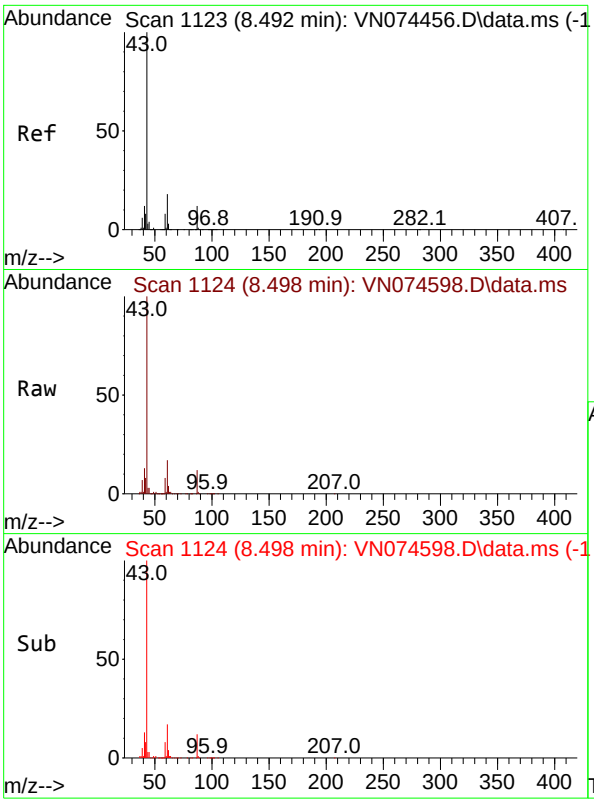


#42
1,2-Dichloroethane
Concen: 46.270 ug/l
RT: 8.463 min Scan# 1118
Delta R.T. 0.000 min
Lab File: VN074598.D
Acq: 19 Sep 2022 20:08

Tgt Ion: 62 Resp: 318968

Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	19.4

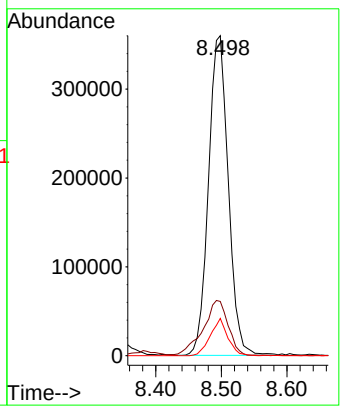




#43
Isopropyl Acetate
Concen: 47.933 ug/l
RT: 8.498 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN074598.D
Acq: 19 Sep 2022 20:08

Tgt Ion: 43 Resp: 75325

Ion	Ratio	Lower	Upper
43	100		
61	22.0	21.9	32.9
87	10.3	12.0	18.0#



Instrument :
MSVOA_N
ClientSampleId :
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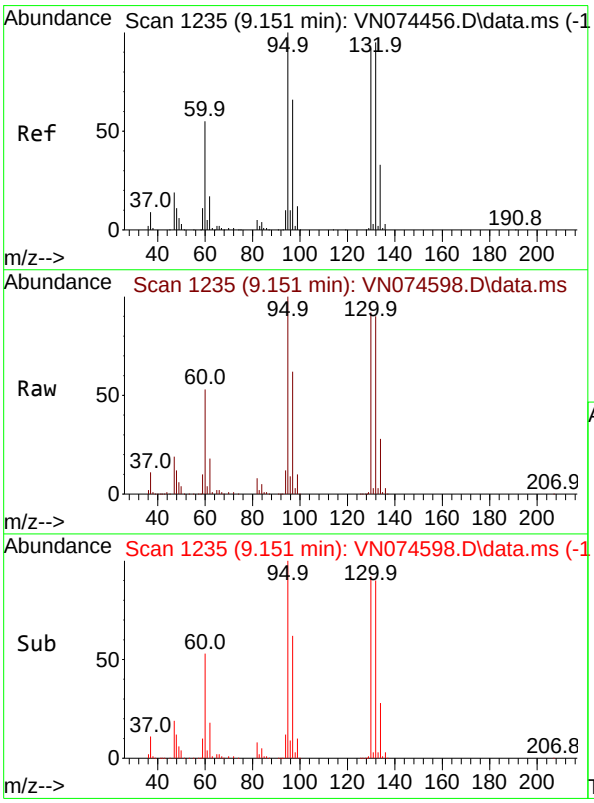
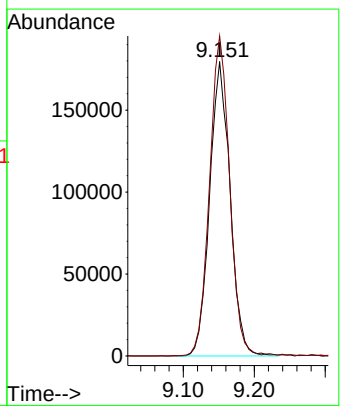
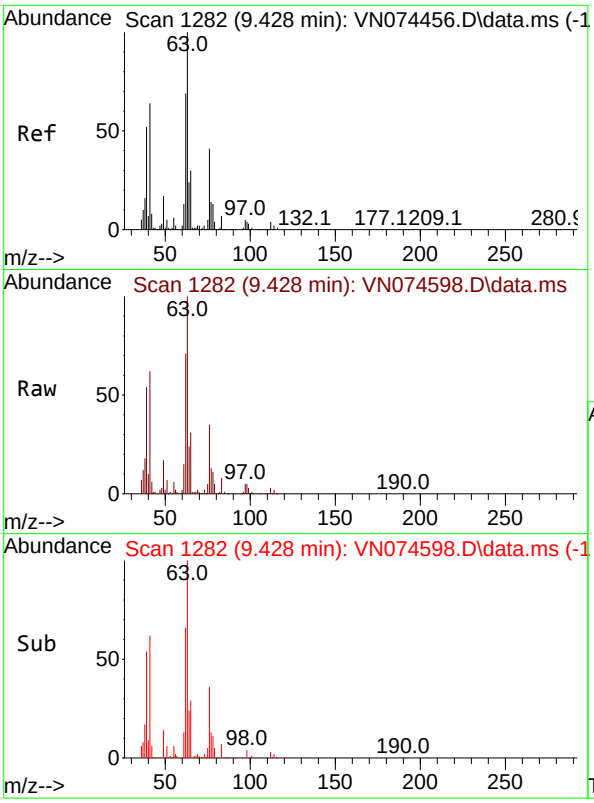


#44
Trichloroethene
Concen: 82.511 ug/l
RT: 9.151 min Scan# 1235
Delta R.T. 0.000 min
Lab File: VN074598.D
Acq: 19 Sep 2022 20:08

Tgt Ion:130 Resp: 358659

Ion	Ratio	Lower	Upper
130	100		
95	108.6	0.0	186.8





#45
1,2-Dichloropropane
Concen: 45.461 ug/l
RT: 9.428 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074598.D
Acq: 19 Sep 2022 20:08

Tgt Ion: 63 Resp: 25097

Ion	Ratio	Lower	Upper
63	100		
65	31.0	24.9	37.3

Instrument :
MSVOA_N
ClientSampleId :
1035-MW-02(23.8)MS

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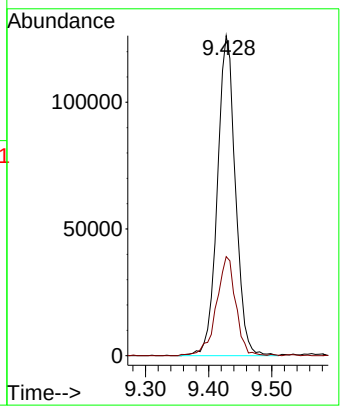
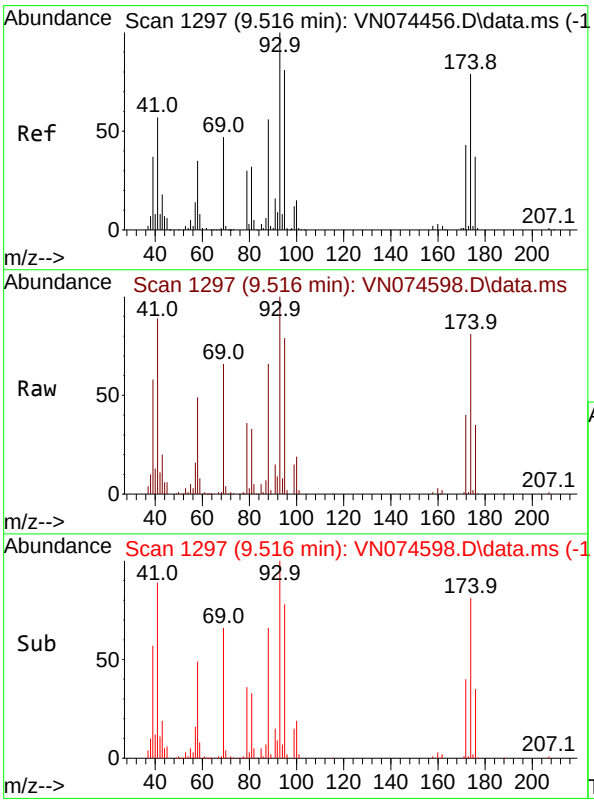
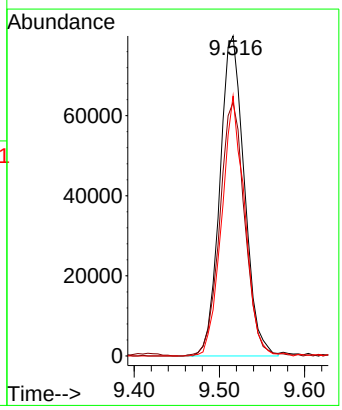


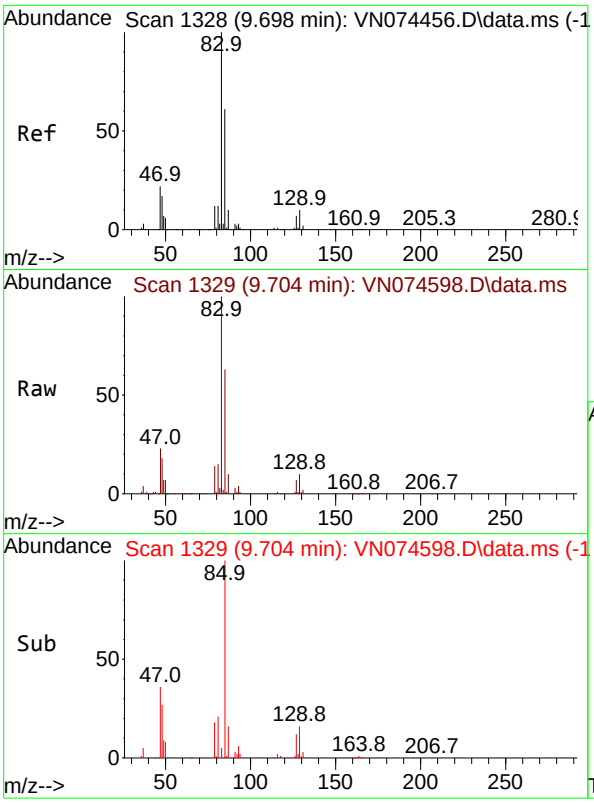


#46
Dibromomethane
Concen: 46.194 ug/l
RT: 9.516 min Scan# 1297
Delta R.T. -0.000 min
Lab File: VN074598.D
Acq: 19 Sep 2022 20:08

Tgt Ion: 93 Resp: 159723

Ion	Ratio	Lower	Upper
93	100		
95	81.3	66.9	100.3
174	76.4	86.6	130.0#

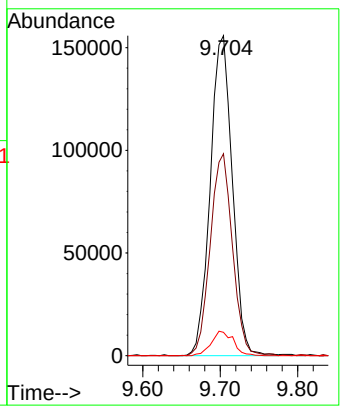




#47
Bromodichloromethane
Concen: 45.458 ug/l
RT: 9.704 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN074598.D
Acq: 19 Sep 2022 20:08

Tgt Ion: 83 Resp: 30815

Ion	Ratio	Lower	Upper
83	100		
85	63.1	50.5	75.7
127	7.3	6.8	10.2



Instrument :
MSVOA_N
ClientSampleId :
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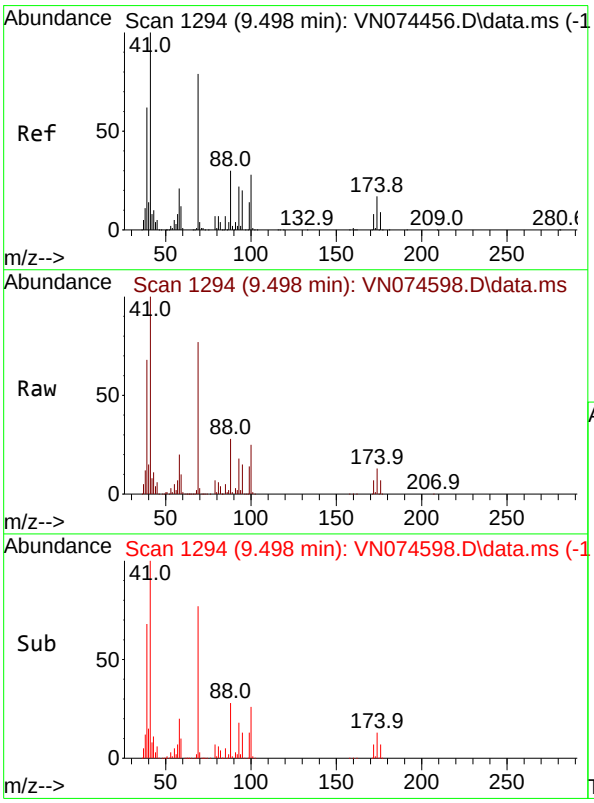
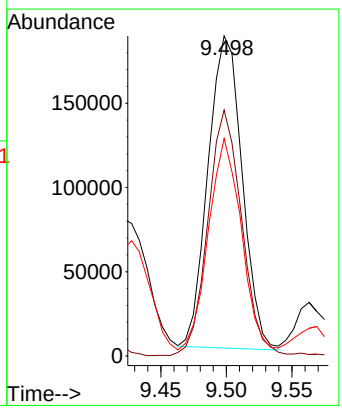
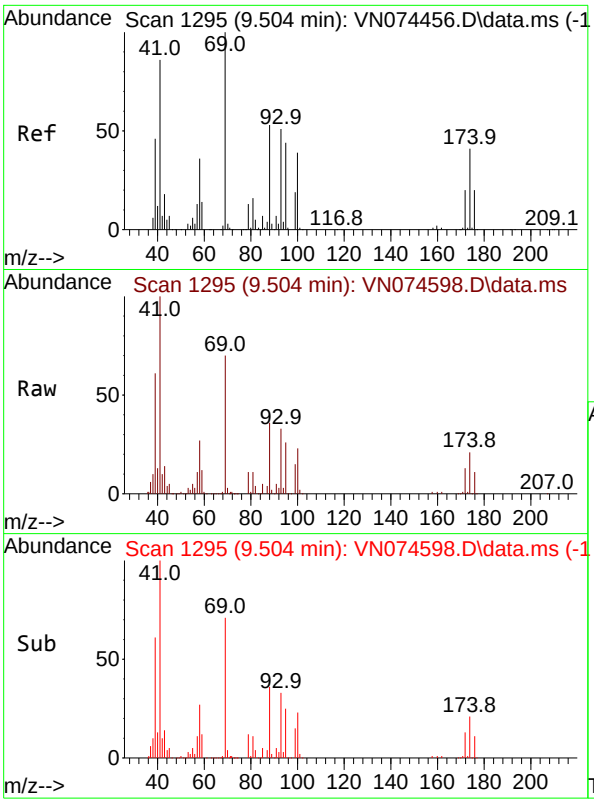


#48
Methyl methacrylate
Concen: 48.093 ug/l
RT: 9.498 min Scan# 1294
Delta R.T. 0.000 min
Lab File: VN074598.D
Acq: 19 Sep 2022 20:08

Tgt Ion: 41 Resp: 335112

Ion	Ratio	Lower	Upper
41	100		
69	77.7	74.7	112.1
39	69.1	45.6	68.4#





#49
1,4-Dioxane
Concen: 965.501 ug/l
RT: 9.504 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074598.D
Acq: 19 Sep 2022 20:08

Tgt Ion: 88 Resp: 12934

Ion	Ratio	Lower	Upper
88	100		
43	36.9	20.2	30.4
58	74.5	54.2	81.4

Instrument :
MSVOA_N
ClientSampleId :
1035-MW-02(23.8)MS

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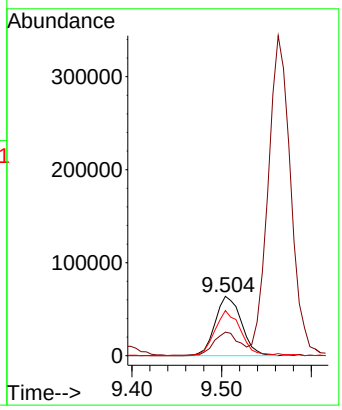
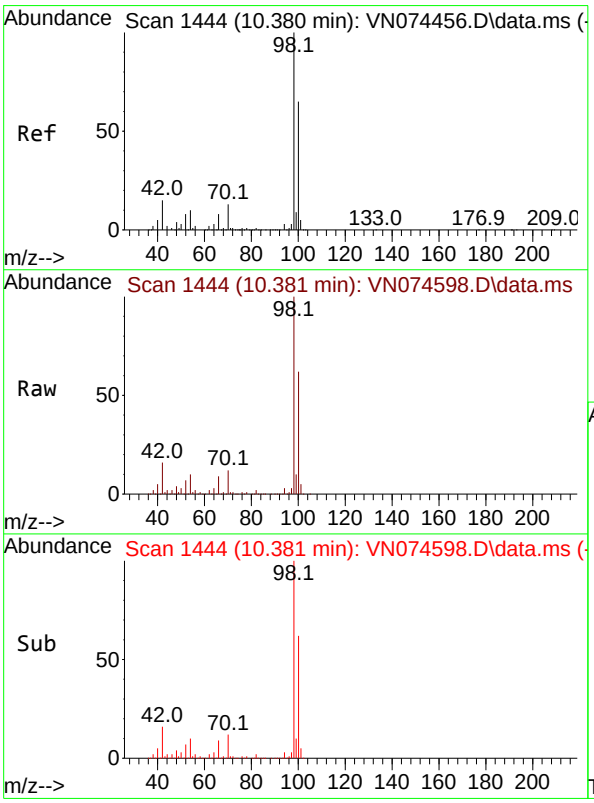
Reviewed By :Krupa Patel 09/21/2022
Supervised By :Mahesh Dadoda 09/21/2022

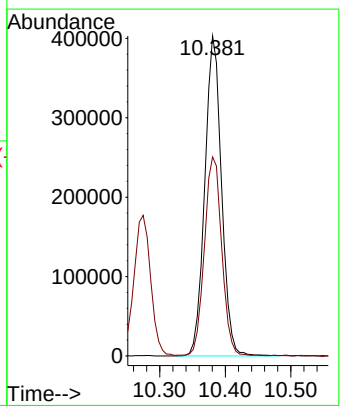


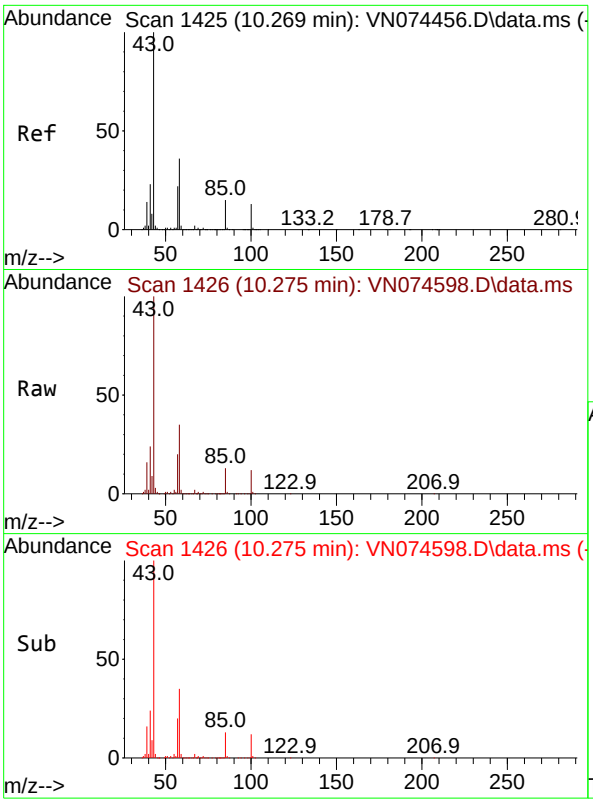


#50
Toluene-d8
Concen: 50.416 ug/l
RT: 10.381 min Scan# 1444
Delta R.T. 0.001 min
Lab File: VN074598.D
Acq: 19 Sep 2022 20:08

Tgt Ion: 98 Resp: 715597

Ion	Ratio	Lower	Upper
98	100		
100	64.3	52.6	78.8

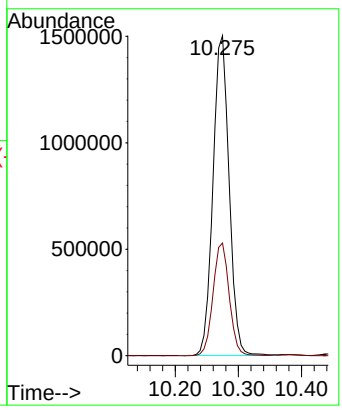




#51
4-Methyl-2-Pentanone
Concen: 259.909 ug/l
RT: 10.275 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN074598.D
Acq: 19 Sep 2022 20:08

Tgt Ion: 43 Resp: 266717

Ion	Ratio	Lower	Upper
43	100		
58	35.3	34.1	51.1



Instrument :
MSVOA_N
ClientSampleId :
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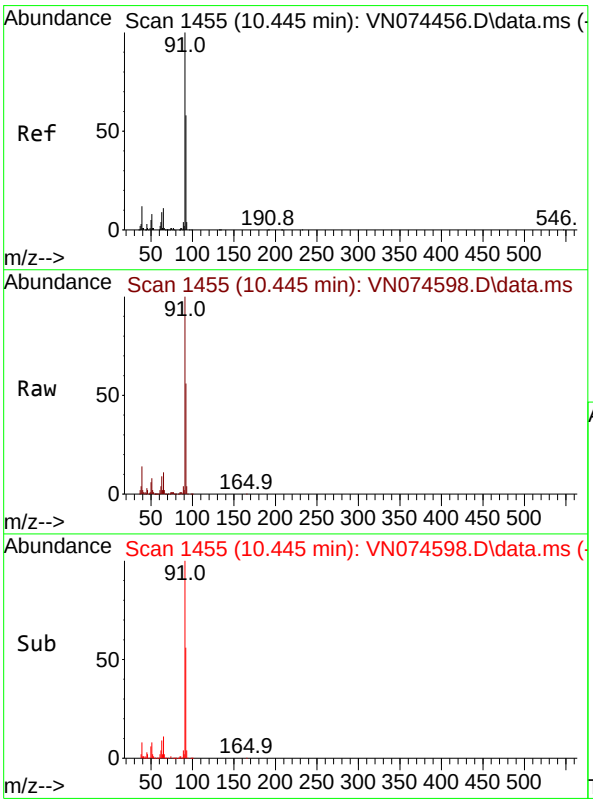
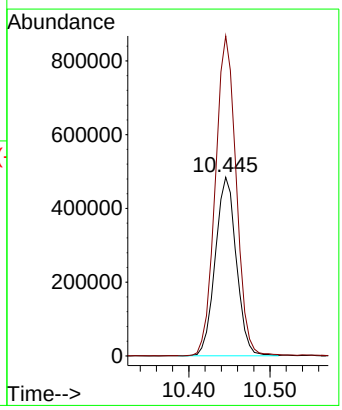
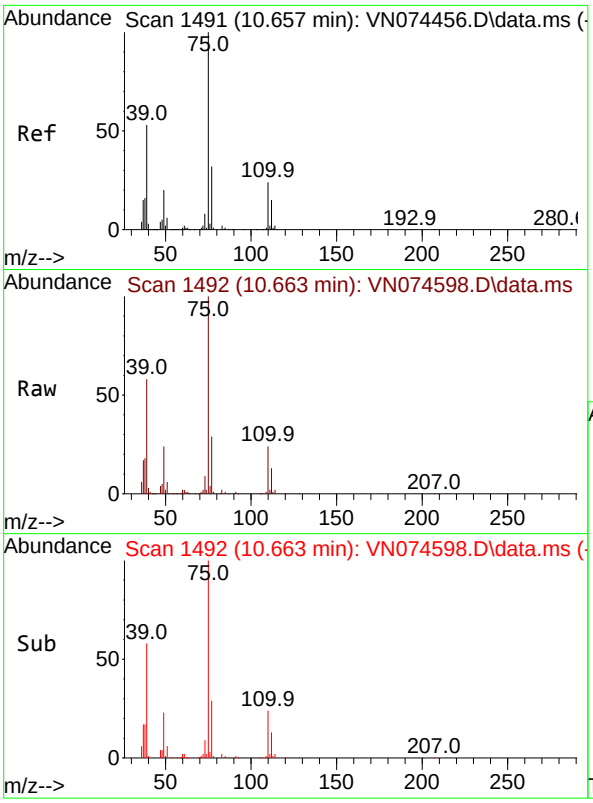


#52
Toluene
Concen: 74.118 ug/l
RT: 10.445 min Scan# 1455
Delta R.T. 0.000 min
Lab File: VN074598.D
Acq: 19 Sep 2022 20:08

Tgt Ion: 92 Resp: 873090

Ion	Ratio	Lower	Upper
92	100		
91	177.9	138.6	207.8





#53
t-1,3-Dichloropropene
Concen: 43.318 ug/l
RT: 10.663 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN074598.D
Acq: 19 Sep 2022 20:08

Tgt Ion: 75 Resp: 34223(

Ion	Ratio	Lower	Upper
75	100		
77	29.0	25.6	38.4

Instrument :
MSVOA_N
ClientSampleId :
1035-MW-02(23.8)MS

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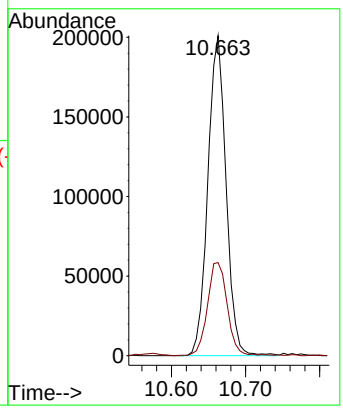
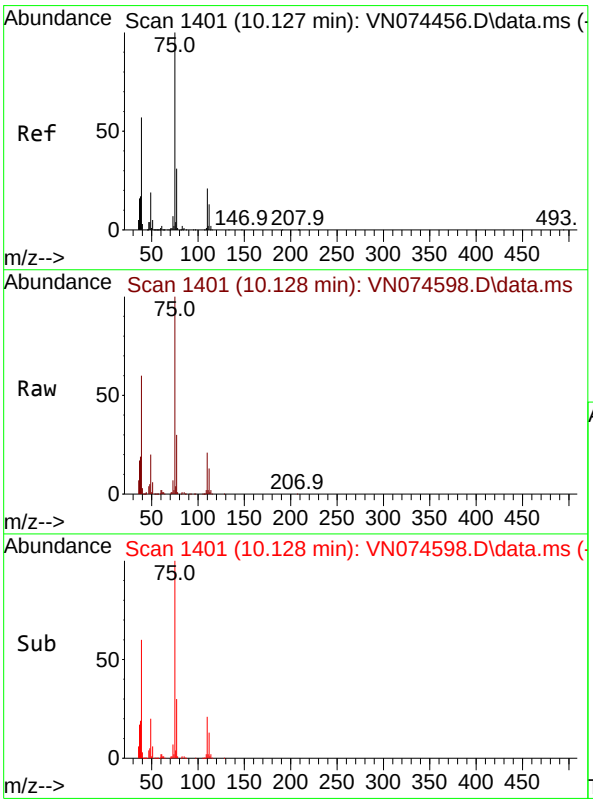
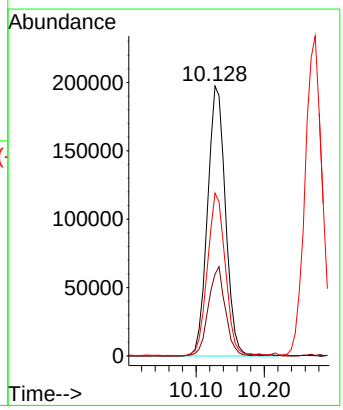


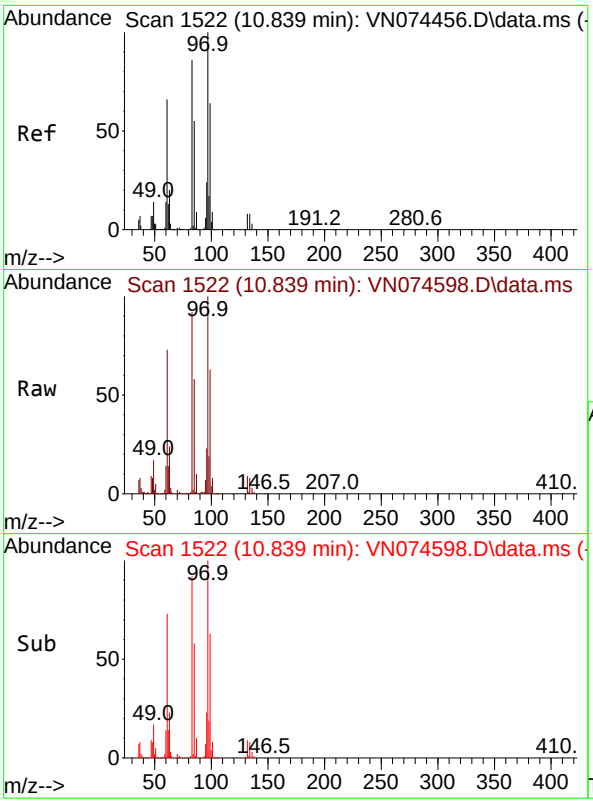


#54
cis-1,3-Dichloropropene
Concen: 42.846 ug/l
RT: 10.128 min Scan# 1401
Delta R.T. 0.001 min
Lab File: VN074598.D
Acq: 19 Sep 2022 20:08

Tgt Ion: 75 Resp: 362258

Ion	Ratio	Lower	Upper
75	100		
77	30.3	25.2	37.8
39	60.1	35.7	53.5#

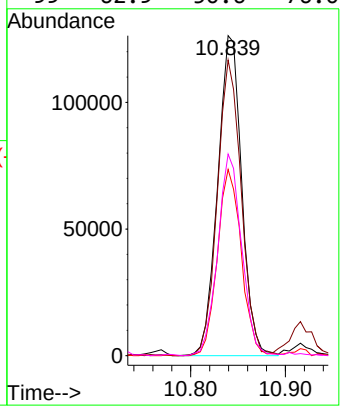




#55
1,1,2-Trichloroethane
Concen: 44.671 ug/l
RT: 10.839 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074598.D
Acq: 19 Sep 2022 20:08

Tgt Ion: 97 Resp: 22289

Ion	Ratio	Lower	Upper
97	100		
83	92.4	66.2	99.4
85	58.2	43.9	65.9
99	62.9	50.6	76.0



Instrument :
MSVOA_N
ClientSampleId :
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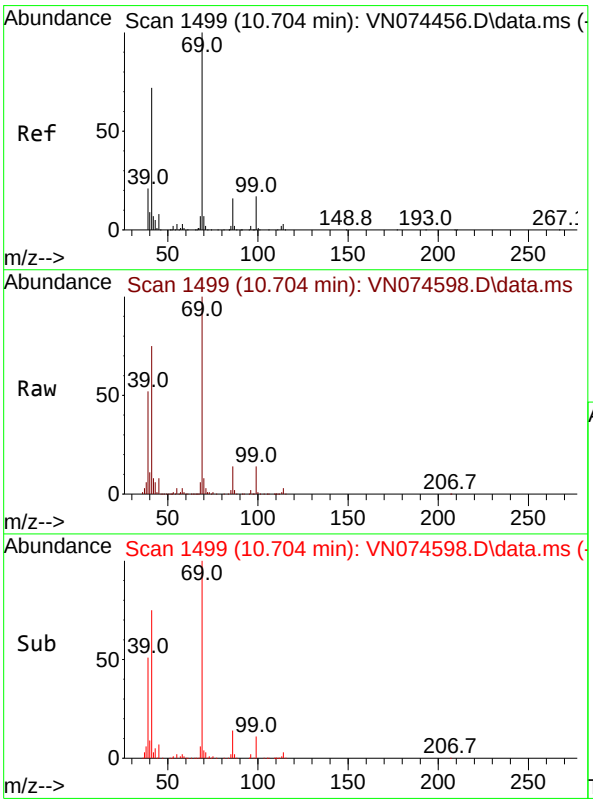
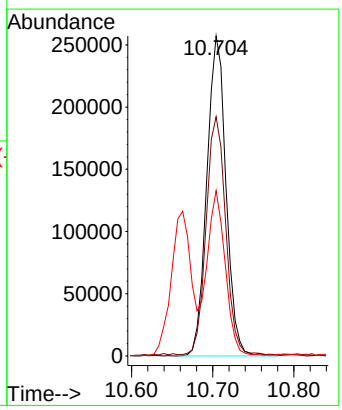
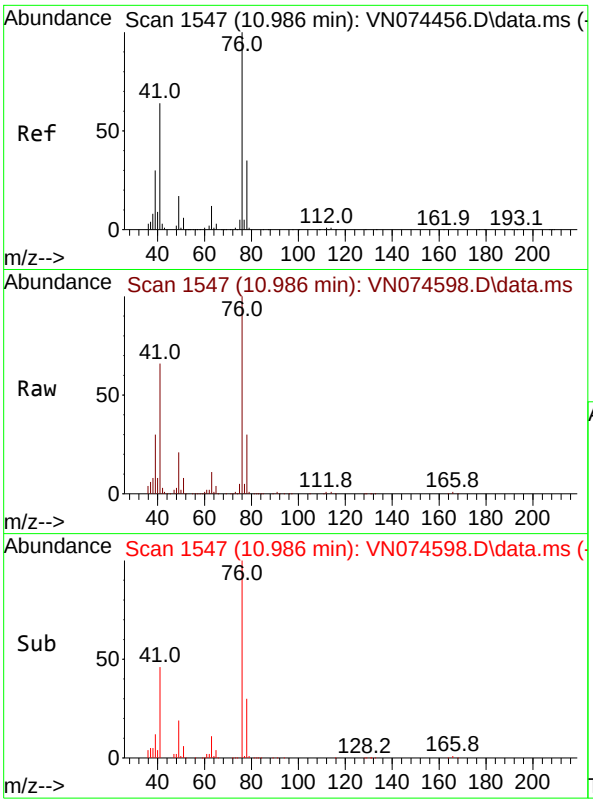


#56
Ethyl methacrylate
Concen: 47.406 ug/l
RT: 10.704 min Scan# 1499
Delta R.T. 0.000 min
Lab File: VN074598.D
Acq: 19 Sep 2022 20:08

Tgt Ion: 69 Resp: 422523

Ion	Ratio	Lower	Upper
69	100		
41	75.6	47.8	71.6#
39	49.0	27.3	40.9#





#57
1,3-Dichloropropane
Concen: 46.711 ug/l
RT: 10.986 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074598.D
Acq: 19 Sep 2022 20:08

Tgt Ion: 76 Resp: 40864

Ion	Ratio	Lower	Upper
76	100		
78	32.1	26.2	39.2

Instrument :
MSVOA_N
ClientSampleId :
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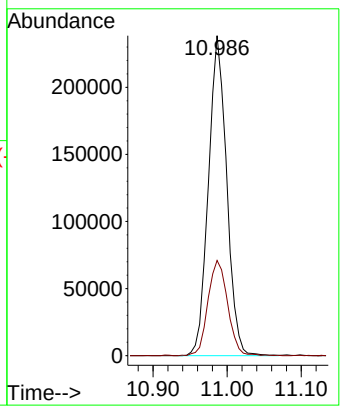
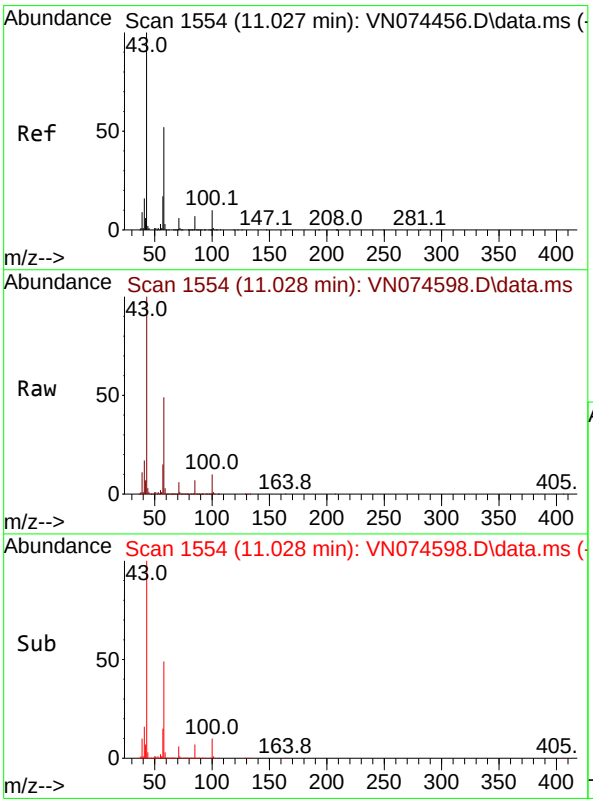
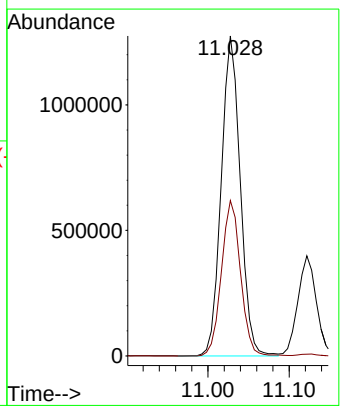


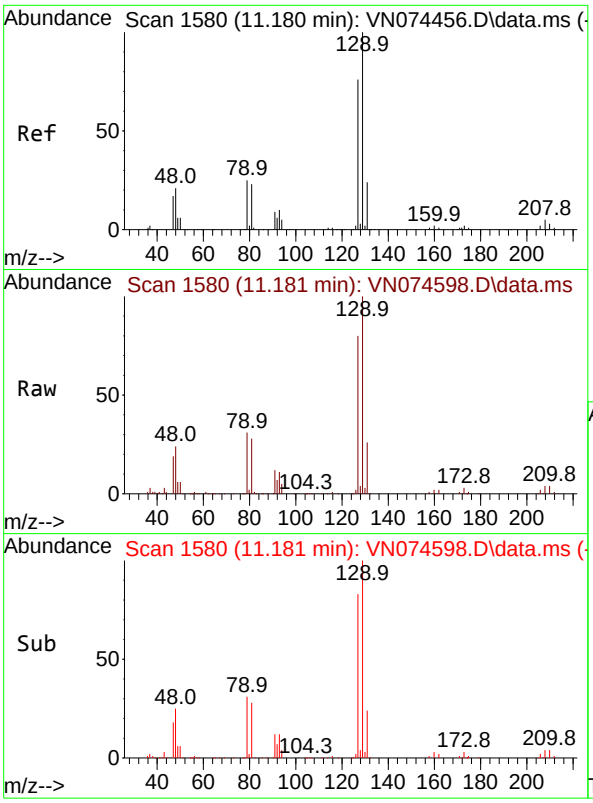


#59
2-Hexanone
Concen: 265.136 ug/l
RT: 11.028 min Scan# 1554
Delta R.T. 0.001 min
Lab File: VN074598.D
Acq: 19 Sep 2022 20:08

Tgt Ion: 43 Resp: 2077035

Ion	Ratio	Lower	Upper
43	100		
58	48.8	29.7	89.1

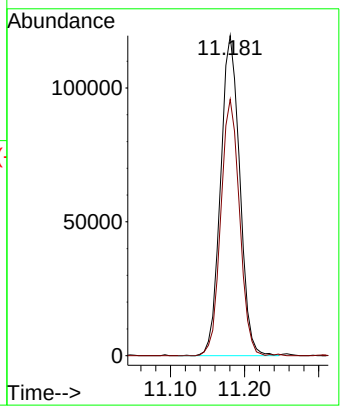




#60
Dibromochloromethane
Concen: 44.966 ug/l
RT: 11.181 min Scan# 1
Delta R.T. 0.001 min
Lab File: VN074598.D
Acq: 19 Sep 2022 20:08

Tgt Ion:129 Resp: 21478

Ion	Ratio	Lower	Upper
129	100		
127	78.3	38.8	116.4



Instrument :
MSVOA_N
ClientSampleId :
1035-MW-02(23.8)MS

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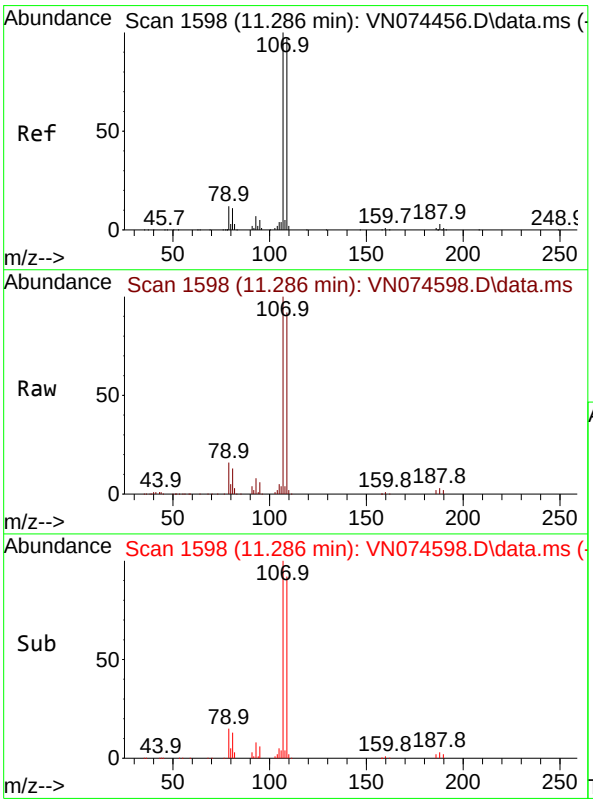
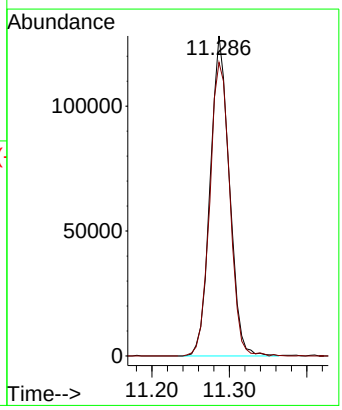
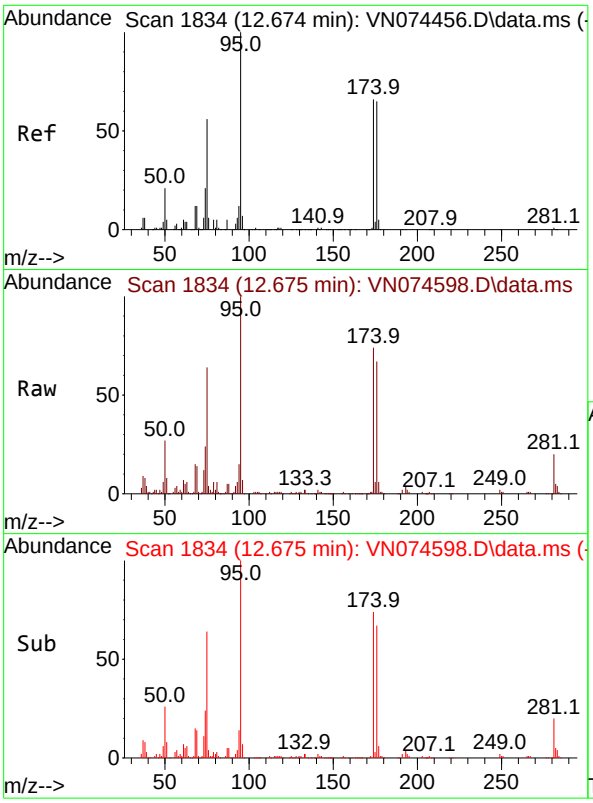


#61
1,2-Dibromoethane
Concen: 45.347 ug/l
RT: 11.286 min Scan# 1598
Delta R.T. 0.000 min
Lab File: VN074598.D
Acq: 19 Sep 2022 20:08

Tgt Ion:107 Resp: 219809

Ion	Ratio	Lower	Upper
107	100		
109	95.9	75.0	112.6

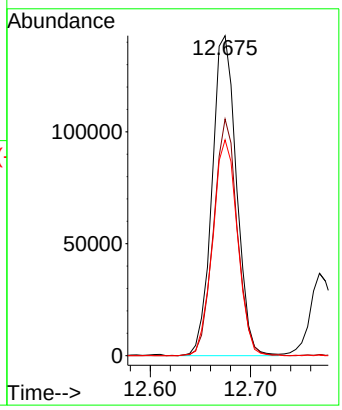




#62
4-Bromofluorobenzene
Concen: 49.720 ug/l
RT: 12.675 min Scan# 1
Delta R.T. 0.001 min
Lab File: VN074598.D
Acq: 19 Sep 2022 20:08

Tgt Ion: 95 Resp: 24170

Ion	Ratio	Lower	Upper
95	100		
174	71.9	0.0	167.6
176	68.5	0.0	163.4



Instrument :
MSVOA_N
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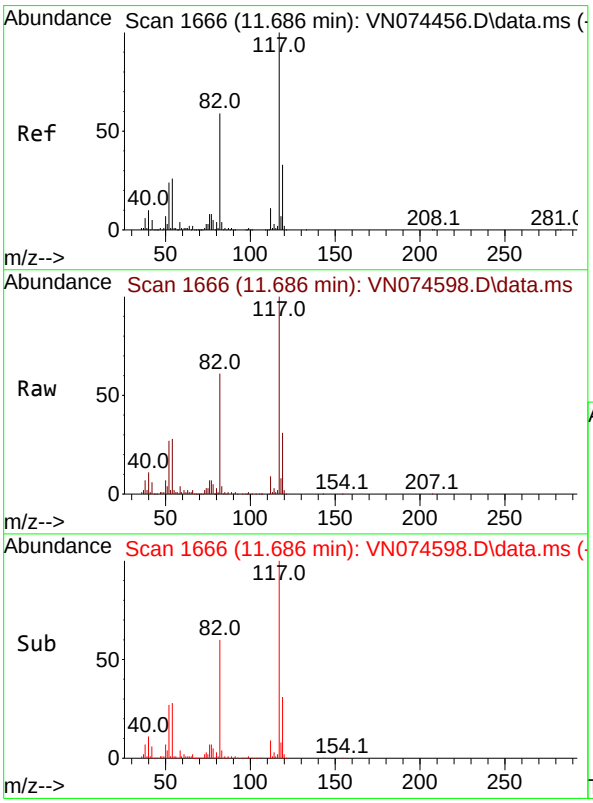
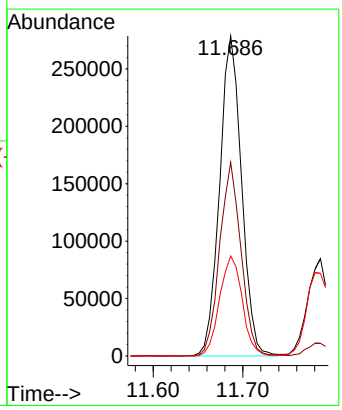
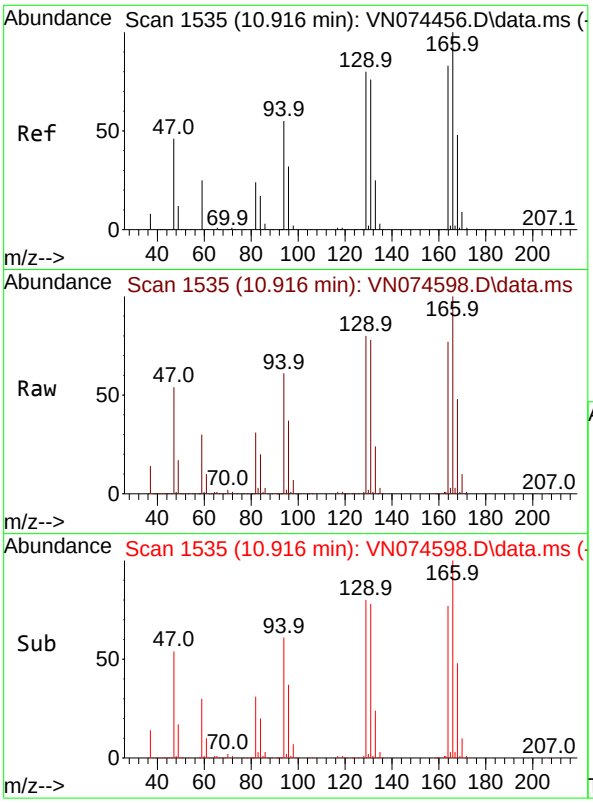


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN074598.D
Acq: 19 Sep 2022 20:08

Tgt Ion:117 Resp: 473671

Ion	Ratio	Lower	Upper
117	100		
82	60.5	44.2	66.2
119	31.3	25.4	38.0

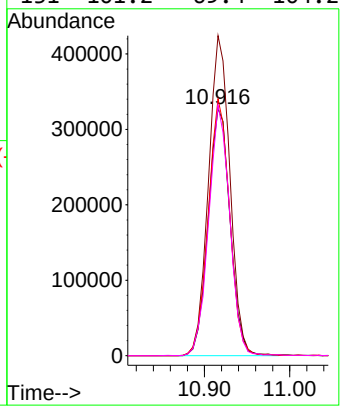




#64
Tetrachloroethene
Concen: 180.274 ug/l
RT: 10.916 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074598.D
Acq: 19 Sep 2022 20:08

Tgt Ion:164 Resp: 58601

Ion	Ratio	Lower	Upper
164	100		
166	129.5	104.2	156.2
129	103.8	73.9	110.9
131	101.2	69.4	104.2



Instrument :
MSVOA_N
ClientSampleId :
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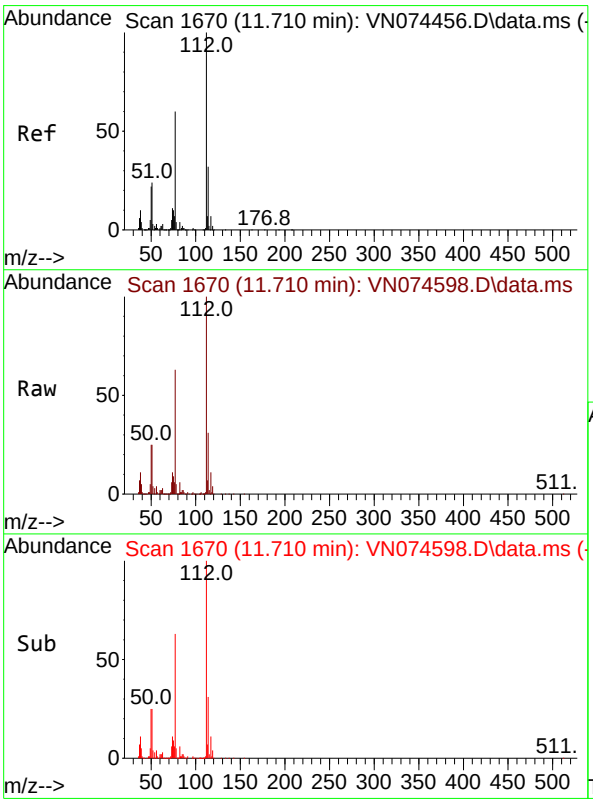
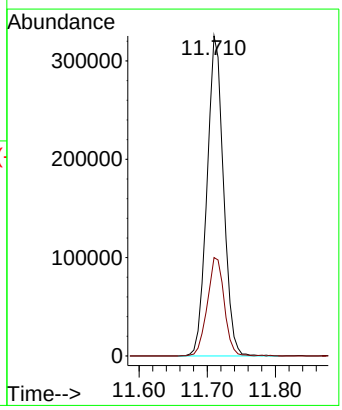
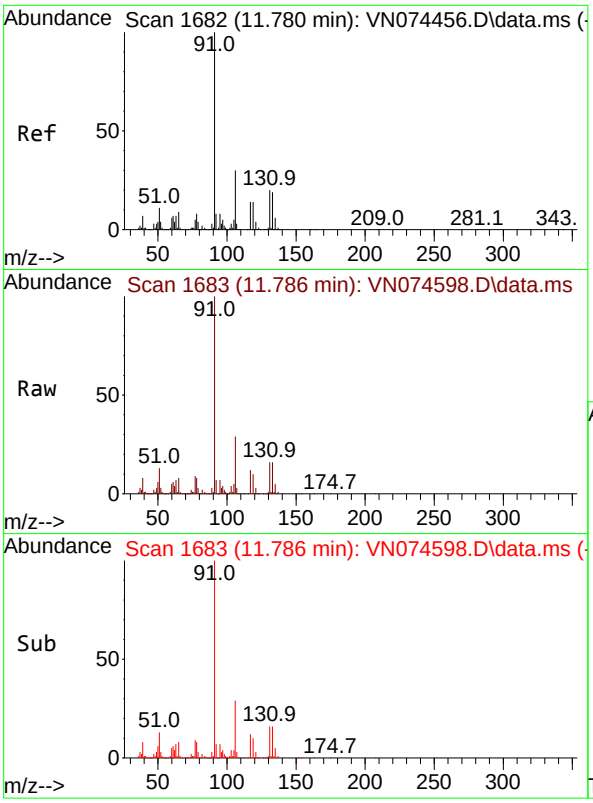


#65
Chlorobenzene
Concen: 46.030 ug/l
RT: 11.710 min Scan# 1670
Delta R.T. -0.000 min
Lab File: VN074598.D
Acq: 19 Sep 2022 20:08

Tgt Ion:112 Resp: 547363

Ion	Ratio	Lower	Upper
112	100		
114	30.8	25.4	38.2

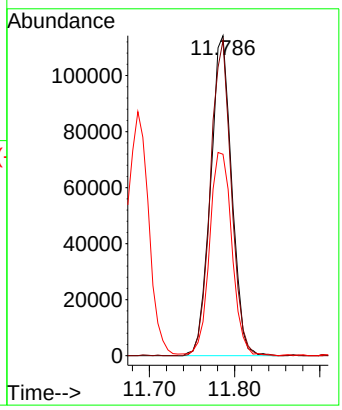




#66
1,1,1,2-Tetrachloroethane
Concen: 45.619 ug/l
RT: 11.786 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN074598.D
Acq: 19 Sep 2022 20:08

Tgt Ion:131 Resp: 19709

Ion	Ratio	Lower	Upper
131	100		
133	97.2	47.8	143.4
119	67.2	33.4	100.2



Instrument :
MSVOA_N
ClientSampleId :
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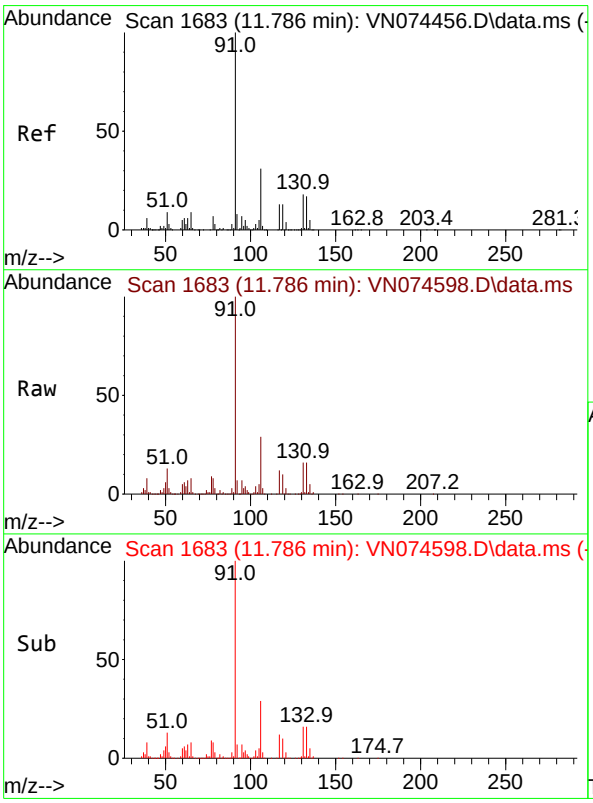
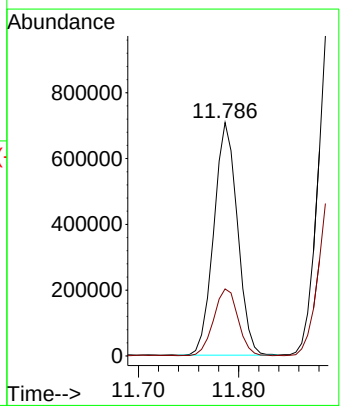
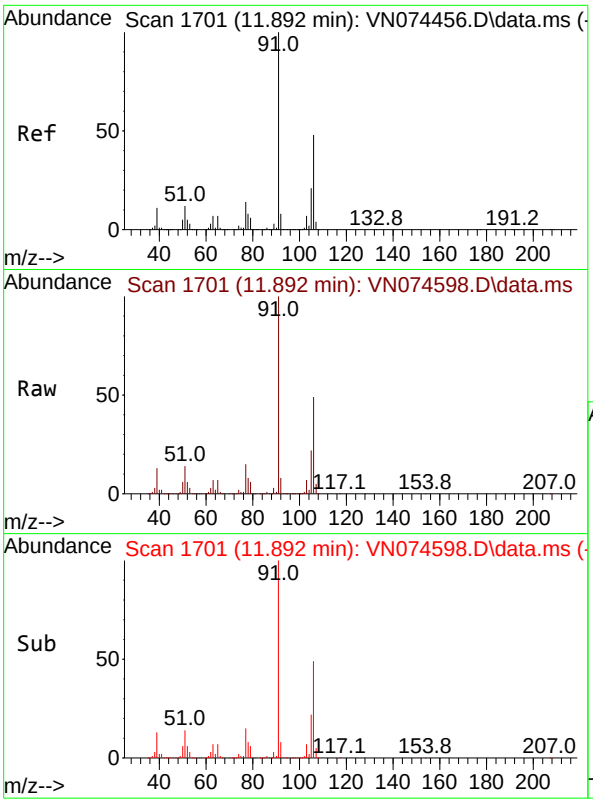


#67
Ethyl Benzene
Concen: 52.897 ug/l
RT: 11.786 min Scan# 1683
Delta R.T. 0.000 min
Lab File: VN074598.D
Acq: 19 Sep 2022 20:08

Tgt Ion: 91 Resp: 1154860

Ion	Ratio	Lower	Upper
91	100		
106	28.7	24.9	37.3





#68
m/p-Xylenes
Concen: 133.997 ug/l
RT: 11.892 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074598.D
Acq: 19 Sep 2022 20:08

Tgt Ion:106 Resp: 108162

Ion	Ratio	Lower	Upper
106	100		
91	210.0	158.9	238.3

Instrument :
MSVOA_N
ClientSampleId :
1035-MW-02(23.8)MS

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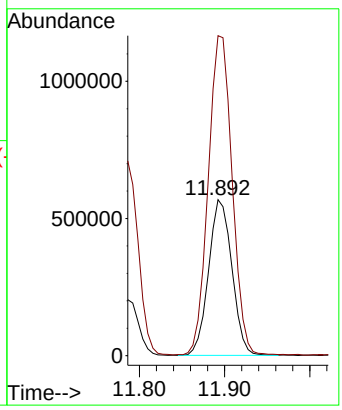
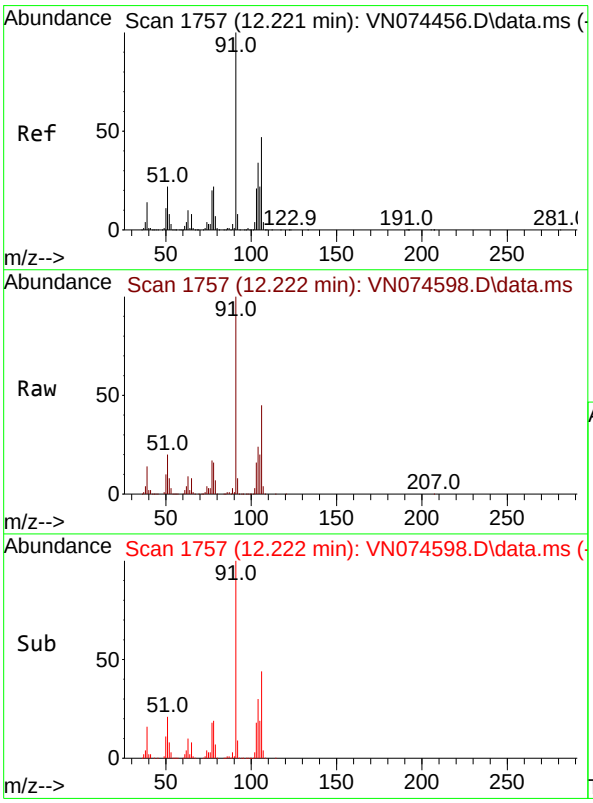
Reviewed By :Krupa Patel 09/21/2022
Supervised By :Mahesh Dadoda 09/21/2022

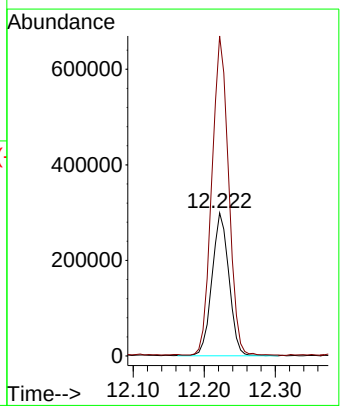


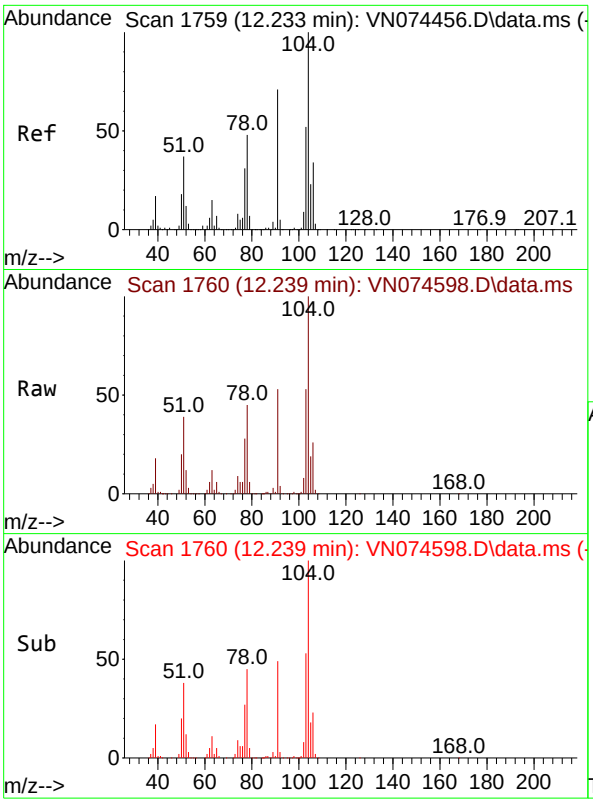


#69
o-Xylene
Concen: 59.913 ug/l
RT: 12.222 min Scan# 1757
Delta R.T. 0.001 min
Lab File: VN074598.D
Acq: 19 Sep 2022 20:08

Tgt Ion:106 Resp: 493097

Ion	Ratio	Lower	Upper
106	100		
91	222.0	106.0	318.0

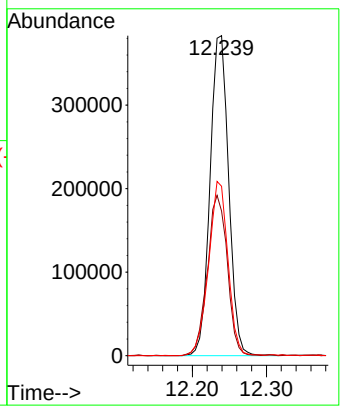




#70
Styrene
Concen: 48.815 ug/l
RT: 12.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN074598.D
Acq: 19 Sep 2022 20:08

Tgt Ion:104 Resp: 66829

Ion	Ratio	Lower	Upper
104	100		
78	53.8	39.5	59.3
103	56.7	44.0	66.0



Instrument :
MSVOA_N
ClientSampleId :
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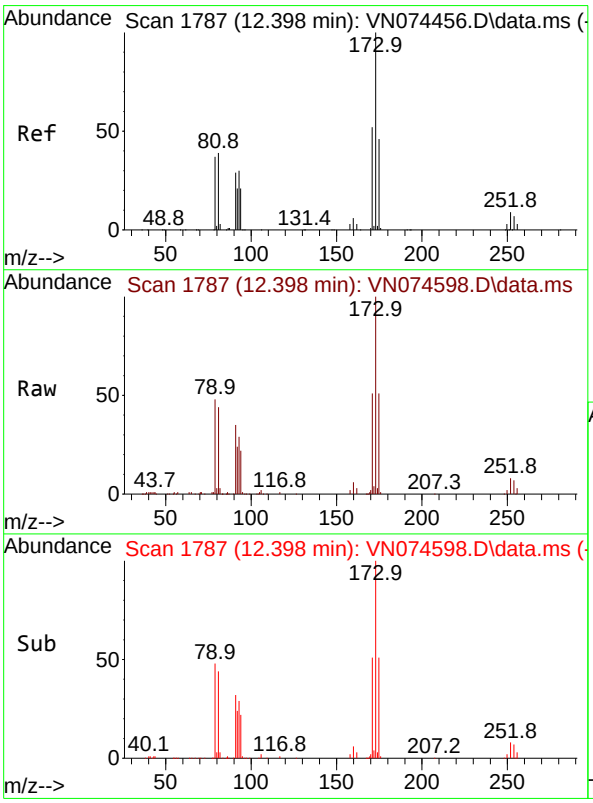
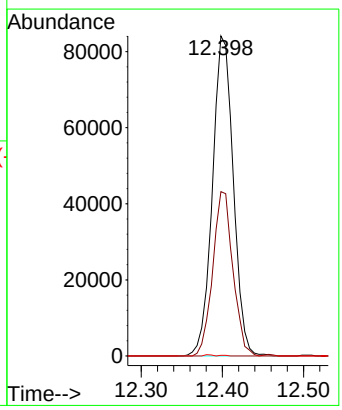
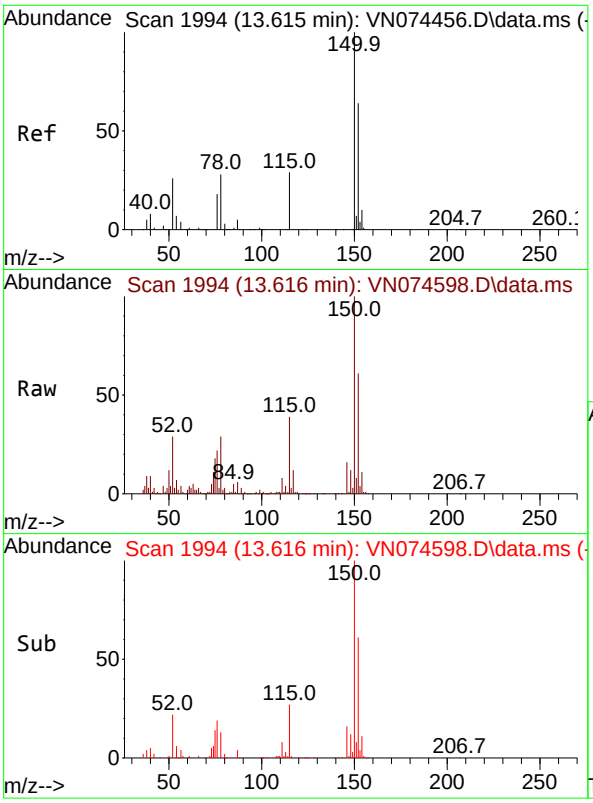


#71
Bromoform
Concen: 47.310 ug/l
RT: 12.398 min Scan# 1787
Delta R.T. 0.000 min
Lab File: VN074598.D
Acq: 19 Sep 2022 20:08

Tgt Ion:173 Resp: 150230

Ion	Ratio	Lower	Upper
173	100		
175	49.6	24.6	73.6
254	0.1	0.1	0.1#

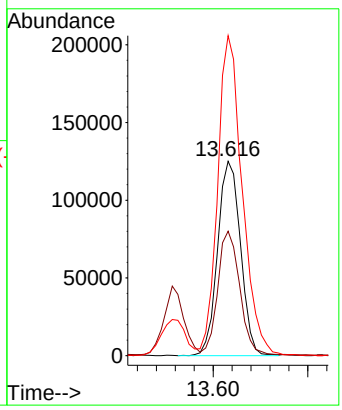




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1
Delta R.T. 0.001 min
Lab File: VN074598.D
Acq: 19 Sep 2022 20:08

Tgt Ion:152 Resp: 21022

Ion	Ratio	Lower	Upper
152	100		
115	61.2	28.9	86.7
150	177.5	0.0	356.2



Instrument :
MSVOA_N
ClientSampleId :
1035-MW-02(23.8)MS

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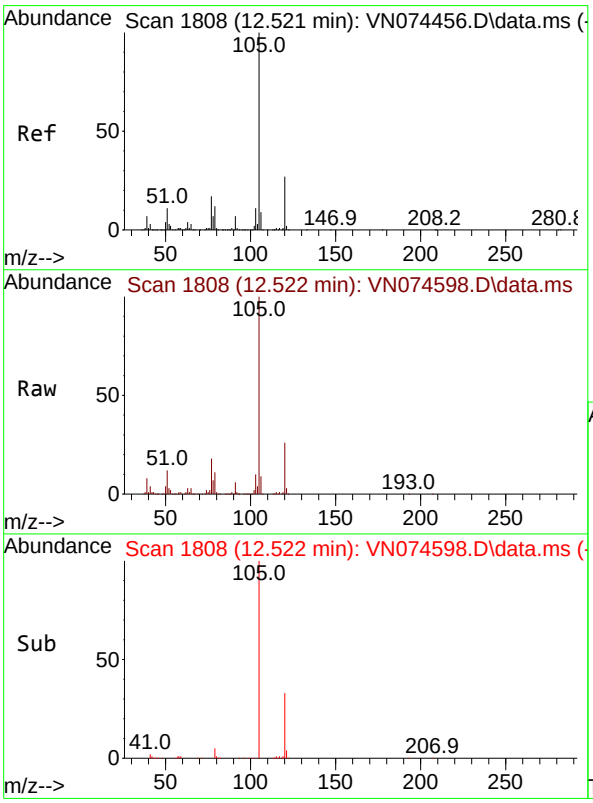
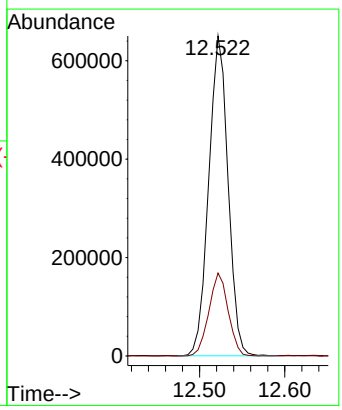
Supervised By :Mahesh Dadoda 09/21/2022

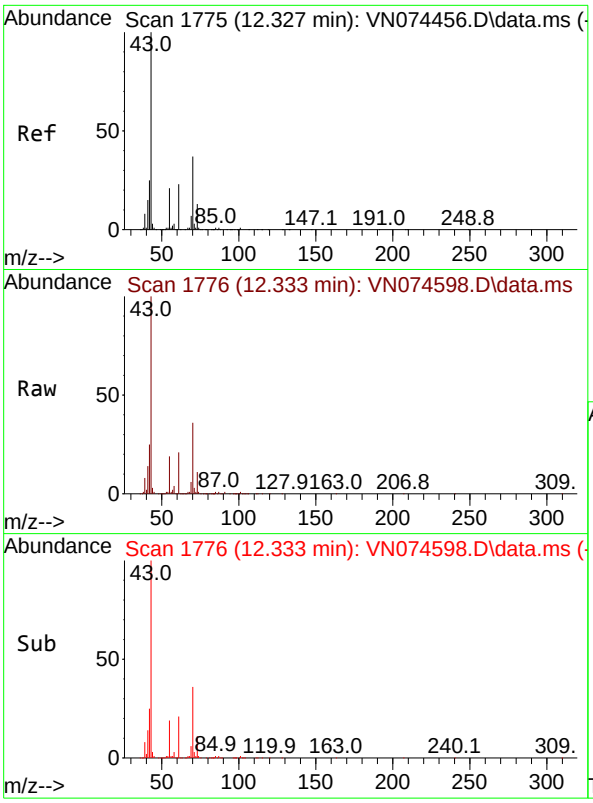


#73
Isopropylbenzene
Concen: 47.518 ug/l
RT: 12.522 min Scan# 1808
Delta R.T. 0.001 min
Lab File: VN074598.D
Acq: 19 Sep 2022 20:08

Tgt Ion:105 Resp: 1022859

Ion	Ratio	Lower	Upper
105	100		
120	25.9	13.5	40.4

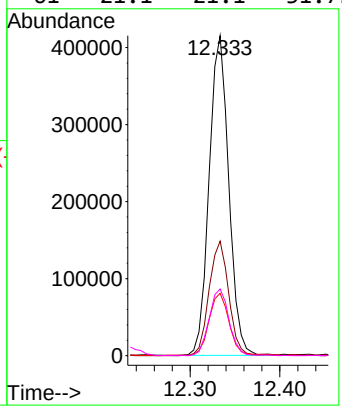




#74
N-amyl acetate
Concen: 46.829 ug/l
RT: 12.333 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN074598.D
Acq: 19 Sep 2022 20:08

Tgt Ion: 43 Resp: 63026

Ion	Ratio	Lower	Upper
43	100		
70	35.8	39.0	58.4#
55	20.5	21.1	31.7#
61	21.1	21.1	31.7#



Instrument :
MSVOA_N
ClientSampleId :
1035-MW-02(23.8)MS

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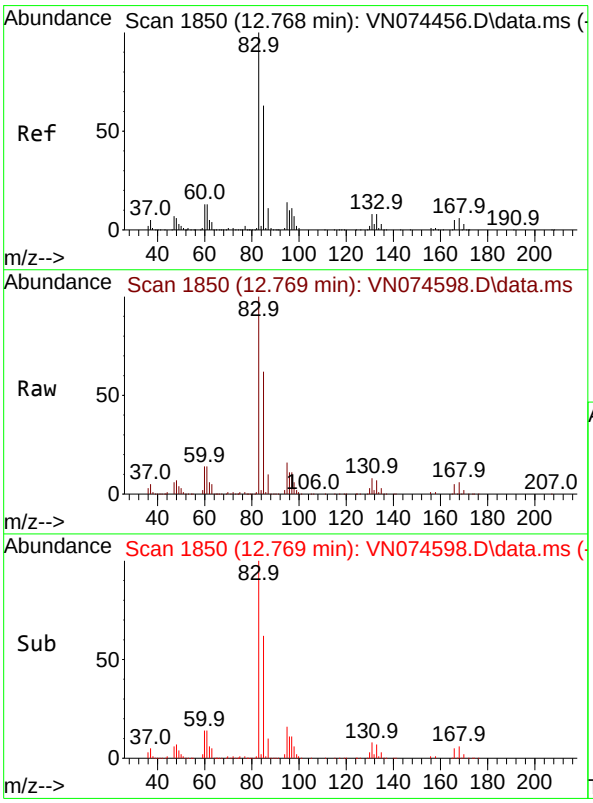
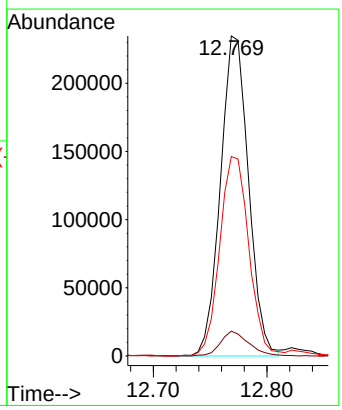
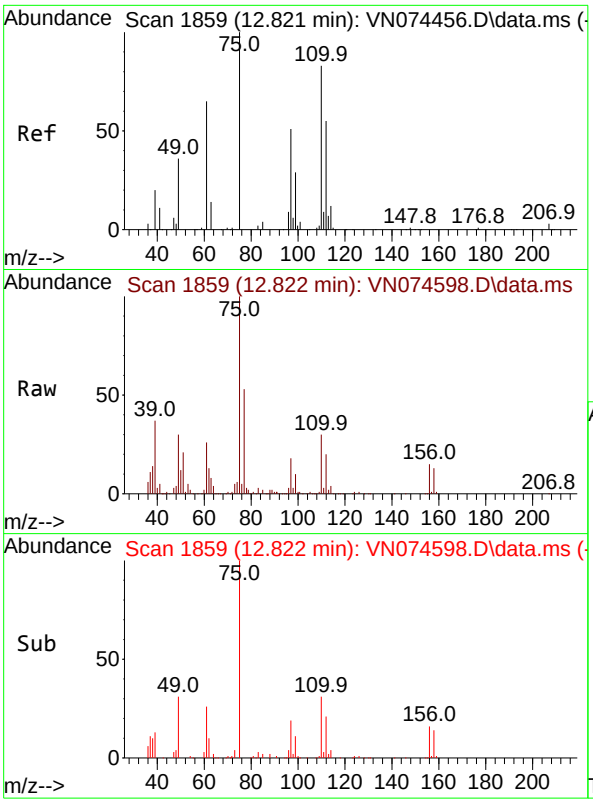


#75
1,1,2,2-Tetrachloroethane
Concen: 46.759 ug/l
RT: 12.769 min Scan# 1850
Delta R.T. 0.001 min
Lab File: VN074598.D
Acq: 19 Sep 2022 20:08

Tgt Ion: 83 Resp: 403355

Ion	Ratio	Lower	Upper
83	100		
131	7.8	5.3	15.9
85	64.7	32.3	96.9

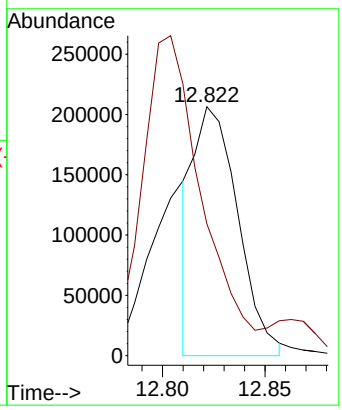




#76
1,2,3-Trichloropropane
Concen: 48.143 ug/l m
RT: 12.822 min Scan# 1
Delta R.T. 0.001 min
Lab File: VN074598.D
Acq: 19 Sep 2022 20:08

Tgt Ion: 75 Resp: 31153

Ion	Ratio	Lower	Upper
75	100		
77	172.8	98.5	295.5



Instrument :
MSVOA_N
ClientSampleId :
1035-MW-02(23.8)MS

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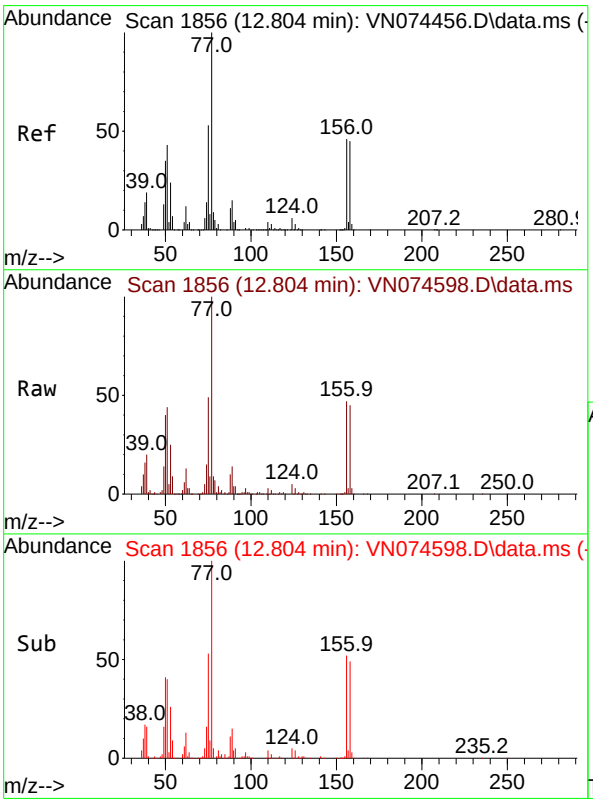
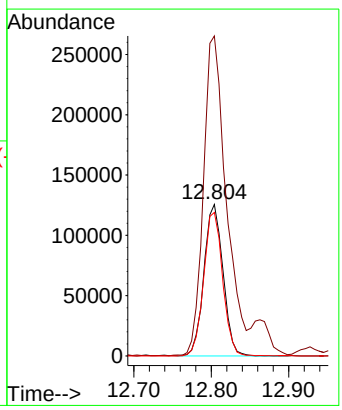
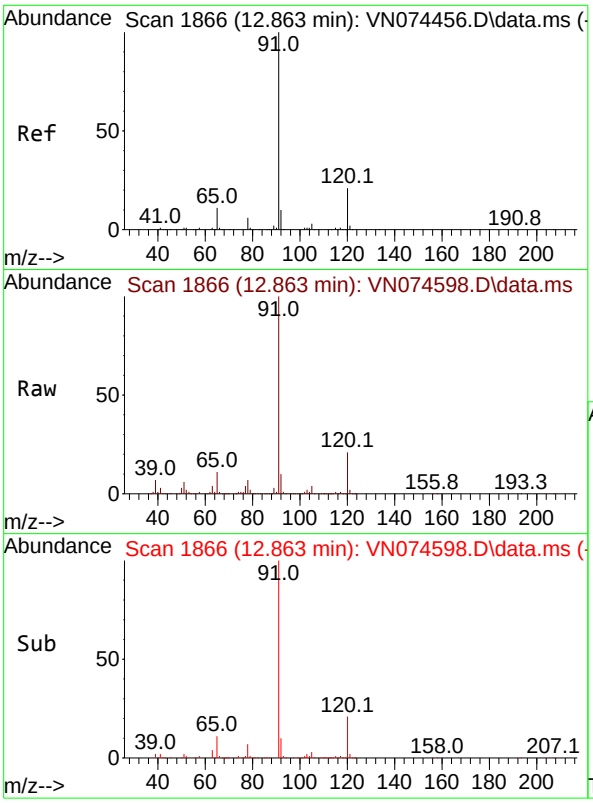


#77
Bromobenzene
Concen: 46.716 ug/l
RT: 12.804 min Scan# 1856
Delta R.T. -0.000 min
Lab File: VN074598.D
Acq: 19 Sep 2022 20:08

Tgt Ion:156 Resp: 214815

Ion	Ratio	Lower	Upper
156	100		
77	250.6	100.5	301.5
158	94.4	48.9	146.6

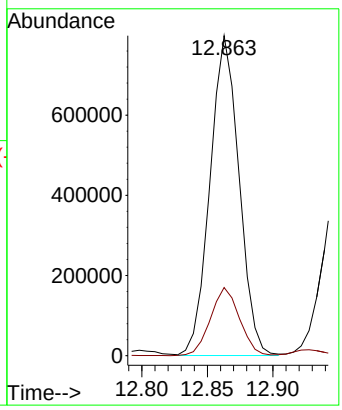




#78
n-propylbenzene
Concen: 47.976 ug/l
RT: 12.863 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074598.D
Acq: 19 Sep 2022 20:08

Tgt Ion: 91 Resp: 123000

Ion	Ratio	Lower	Upper
91	100		
120	21.3	11.9	35.5



Instrument :
MSVOA_N
ClientSampleId :
1035-MW-02(23.8)MS

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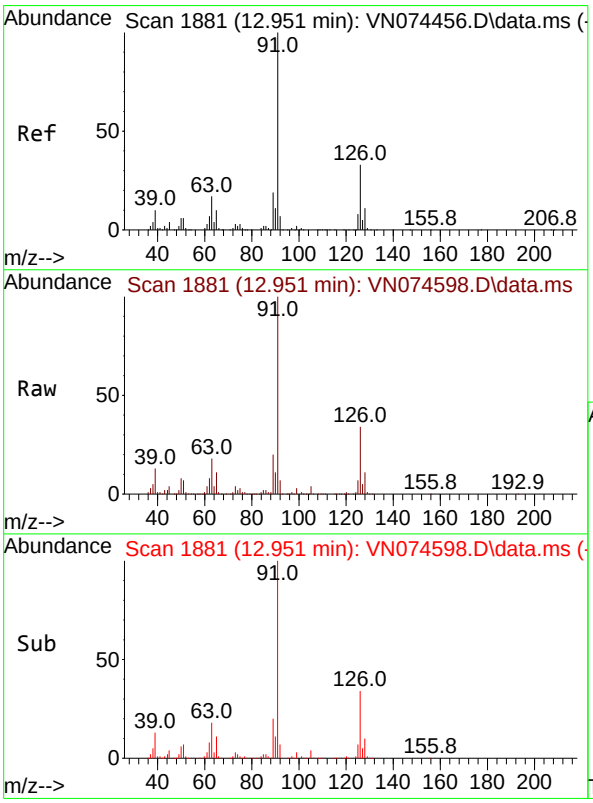
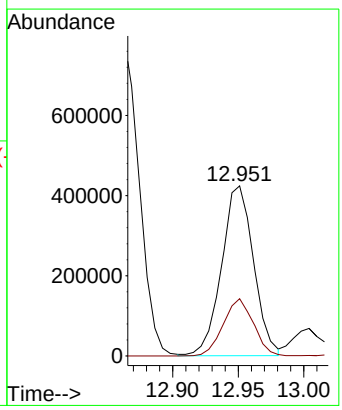
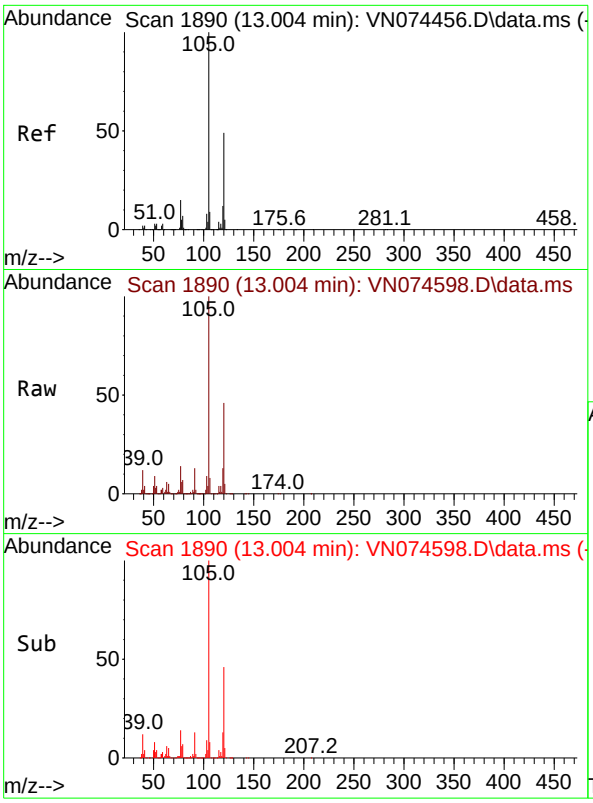


#79
2-Chlorotoluene
Concen: 47.017 ug/l
RT: 12.951 min Scan# 1881
Delta R.T. 0.000 min
Lab File: VN074598.D
Acq: 19 Sep 2022 20:08

Tgt Ion: 91 Resp: 719578

Ion	Ratio	Lower	Upper
91	100		
126	31.9	17.3	51.9

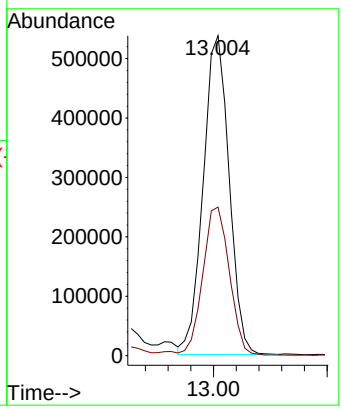




#80
1,3,5-Trimethylbenzene
Concen: 48.382 ug/l
RT: 13.004 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074598.D
Acq: 19 Sep 2022 20:08

Tgt Ion:105 Resp: 84898

Ion	Ratio	Lower	Upper
105	100		
120	48.5	24.9	74.7



Instrument :
MSVOA_N
ClientSampleId :
1035-MW-02(23.8)MS

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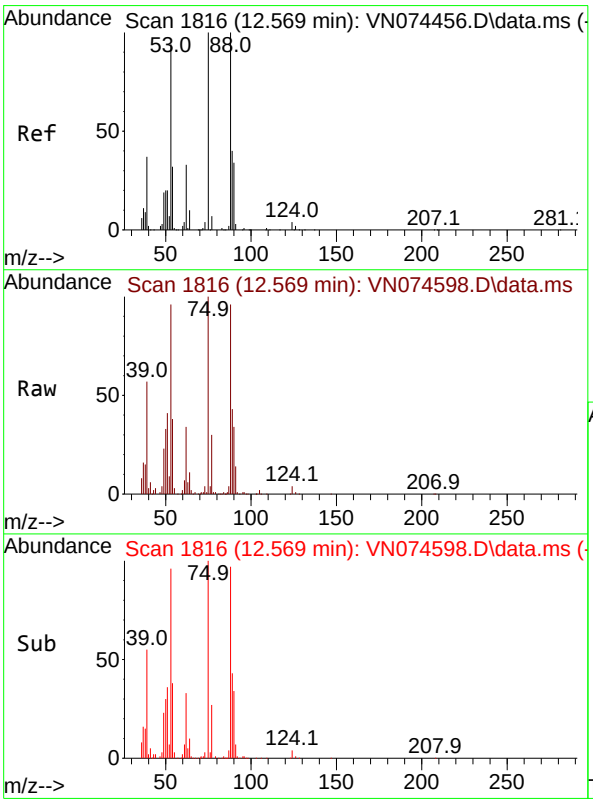
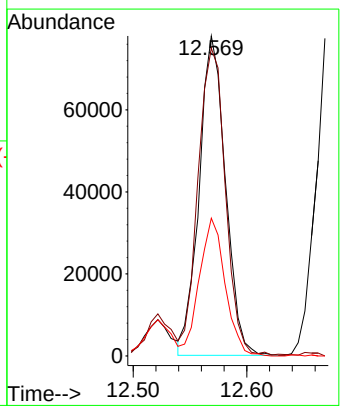
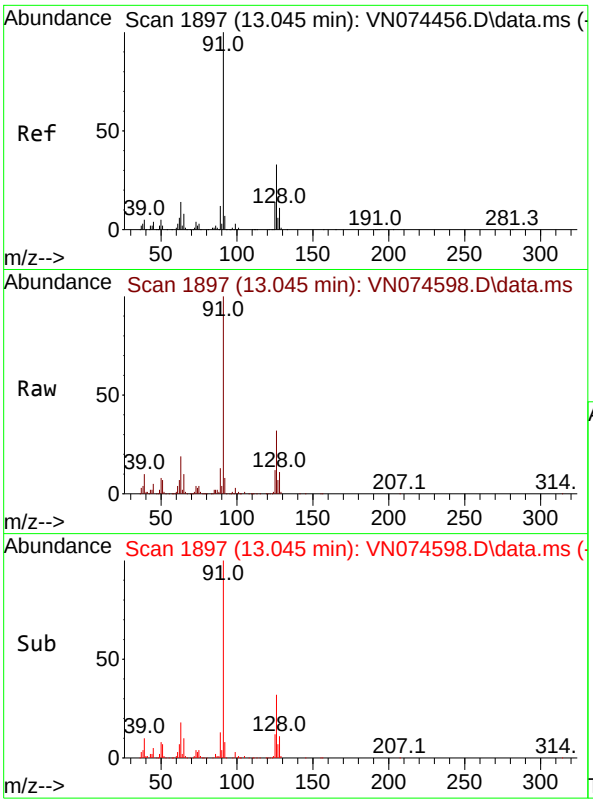


#81
trans-1,4-Dichloro-2-butene
Concen: 41.794 ug/l
RT: 12.569 min Scan# 1816
Delta R.T. -0.000 min
Lab File: VN074598.D
Acq: 19 Sep 2022 20:08

Tgt Ion: 75 Resp: 125305

Ion	Ratio	Lower	Upper
75	100		
53	99.0	78.0	117.0
89	42.5	37.2	55.8





#82
4-Chlorotoluene
Concen: 46.697 ug/l
RT: 13.045 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074598.D
Acq: 19 Sep 2022 20:08

Tgt Ion: 91 Resp: 67930

Ion	Ratio	Lower	Upper
91	100		
126	32.5	17.2	51.6

Instrument :
MSVOA_N
ClientSampleId :
1035-MW-02(23.8)MS

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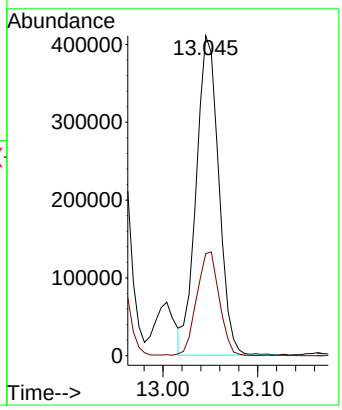
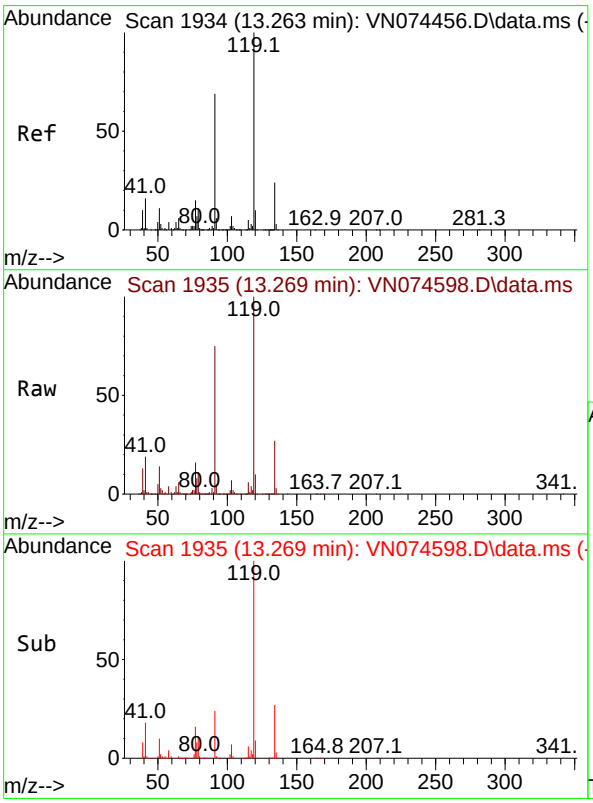
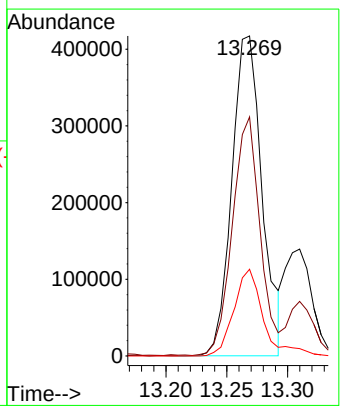


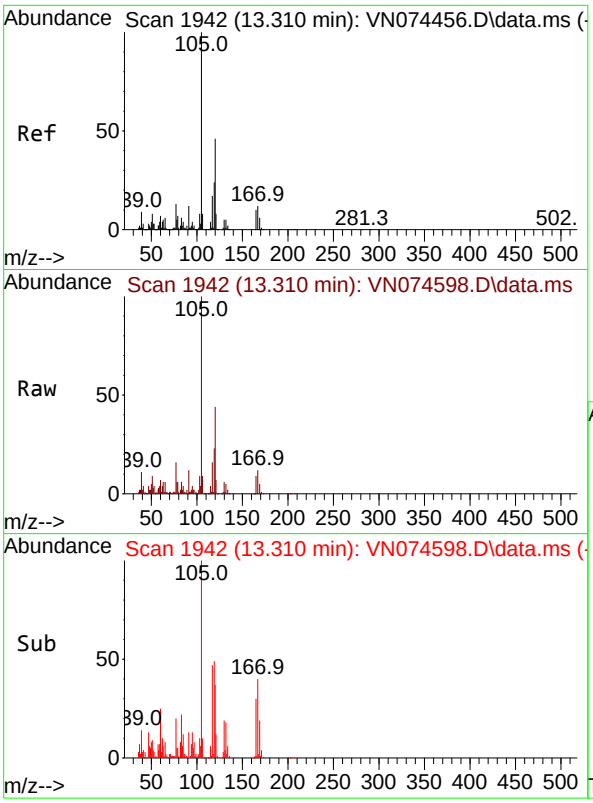


#83
tert-Butylbenzene
Concen: 45.281 ug/l
RT: 13.269 min Scan# 1935
Delta R.T. 0.006 min
Lab File: VN074598.D
Acq: 19 Sep 2022 20:08

Tgt Ion:119 Resp: 723128

Ion	Ratio	Lower	Upper
119	100		
91	68.1	31.6	94.8
134	26.4	13.7	41.1

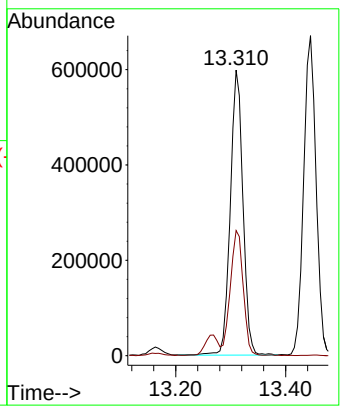




#84
1,2,4-Trimethylbenzene
Concen: 54.071 ug/l
RT: 13.310 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074598.D
Acq: 19 Sep 2022 20:08

Tgt Ion:105 Resp: 95482

Ion	Ratio	Lower	Upper
105	100		
120	44.5	23.3	69.8



Instrument :
MSVOA_N
ClientSampleId :
1035-MW-02(23.8)MS

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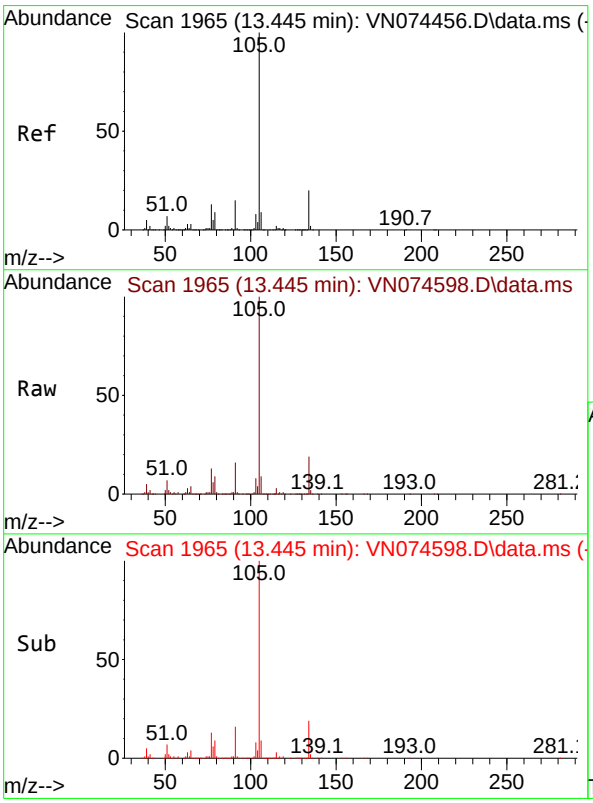
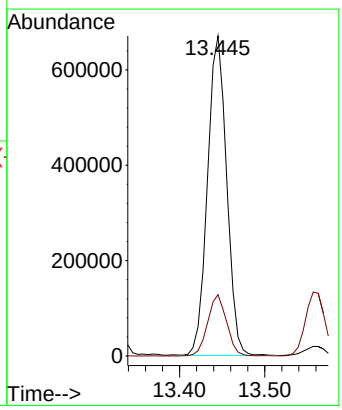
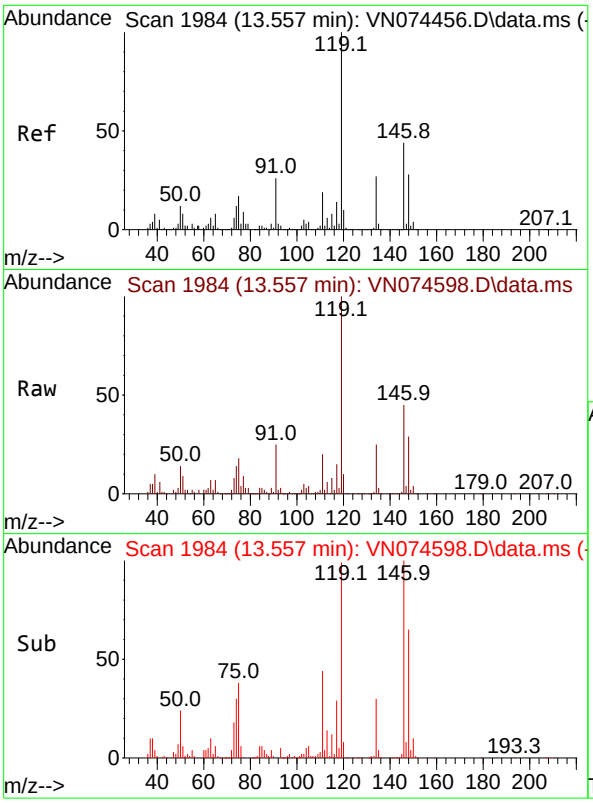


#85
sec-Butylbenzene
Concen: 47.774 ug/l
RT: 13.445 min Scan# 1965
Delta R.T. 0.000 min
Lab File: VN074598.D
Acq: 19 Sep 2022 20:08

Tgt Ion:105 Resp: 1047589

Ion	Ratio	Lower	Upper
105	100		
134	19.0	10.4	31.1





#86
p-Isopropyltoluene
Concen: 48.156 ug/l
RT: 13.557 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074598.D
Acq: 19 Sep 2022 20:08

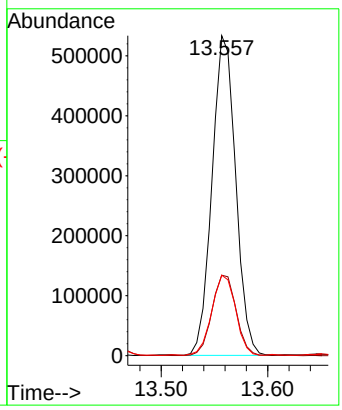
Tgt Ion:119 Resp: 82321

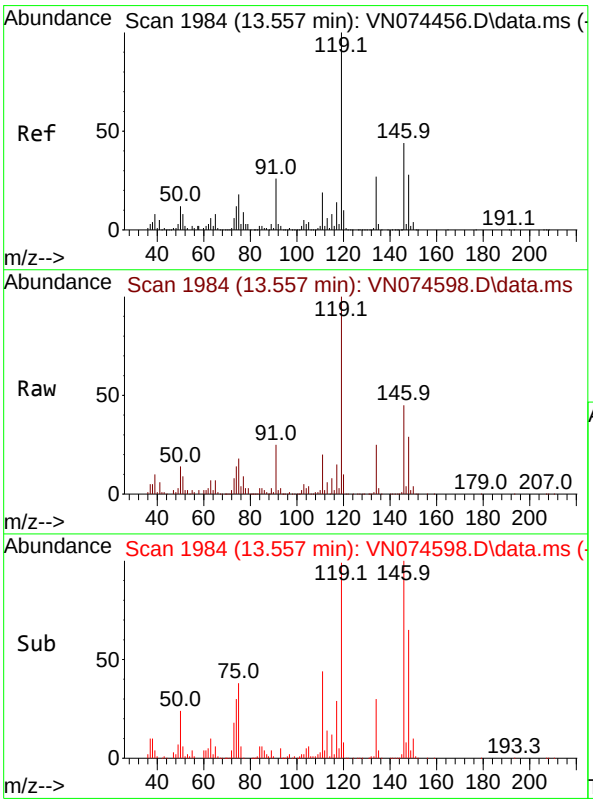
Ion	Ratio	Lower	Upper
119	100		
134	25.6	13.3	39.8
91	25.2	11.3	33.9

Instrument :
MSVOA_N
ClientSampleId :
1035-MW-02(23.8)MS

Manual Integrations
APPROVED

Reviewed By :Krupa Patel 09/21/2022
Supervised By :Mahesh Dadoda 09/21/2022

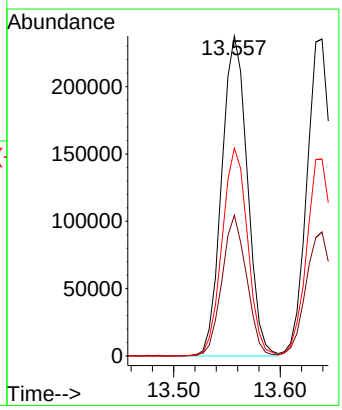


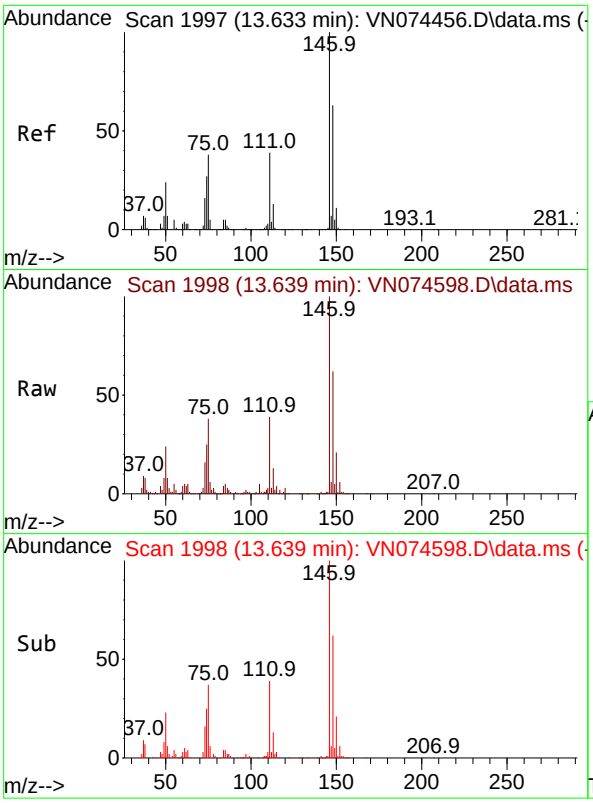


#87
1,3-Dichlorobenzene
Concen: 46.868 ug/l
RT: 13.557 min Scan# 1984
Delta R.T. -0.000 min
Lab File: VN074598.D
Acq: 19 Sep 2022 20:08

Tgt Ion:146 Resp: 396030

Ion	Ratio	Lower	Upper
146	100		
111	42.3	20.0	60.0
148	64.6	32.0	96.0

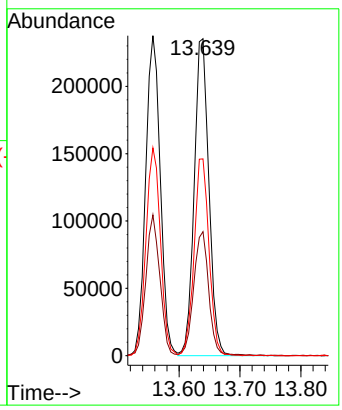




#88
1,4-Dichlorobenzene
Concen: 46.389 ug/l
RT: 13.639 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN074598.D
Acq: 19 Sep 2022 20:08

Tgt Ion:146 Resp: 39395

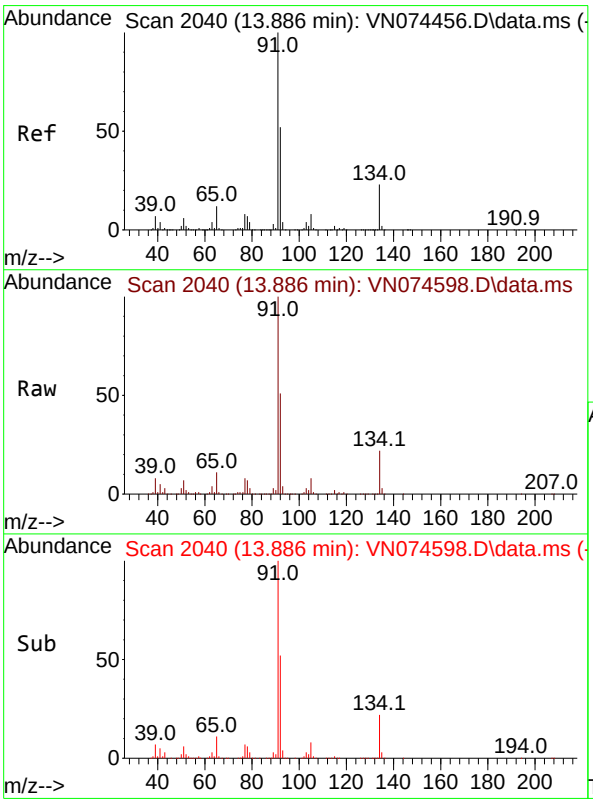
Ion	Ratio	Lower	Upper
146	100		
111	40.0	19.1	57.1
148	63.1	31.4	94.3



Instrument :
MSVOA_N
ClientSampleId :
1035-MW-02(23.8)MS

Manual Integrations
APPROVED

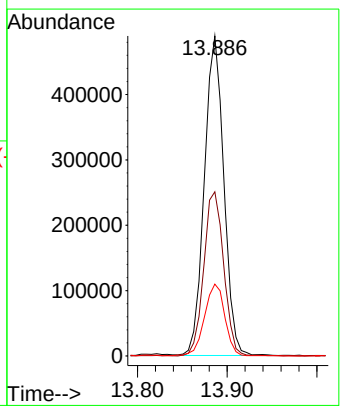
Reviewed By :Krupa Patel 09/21/2022
Supervised By :Mahesh Dadoda 09/21/2022

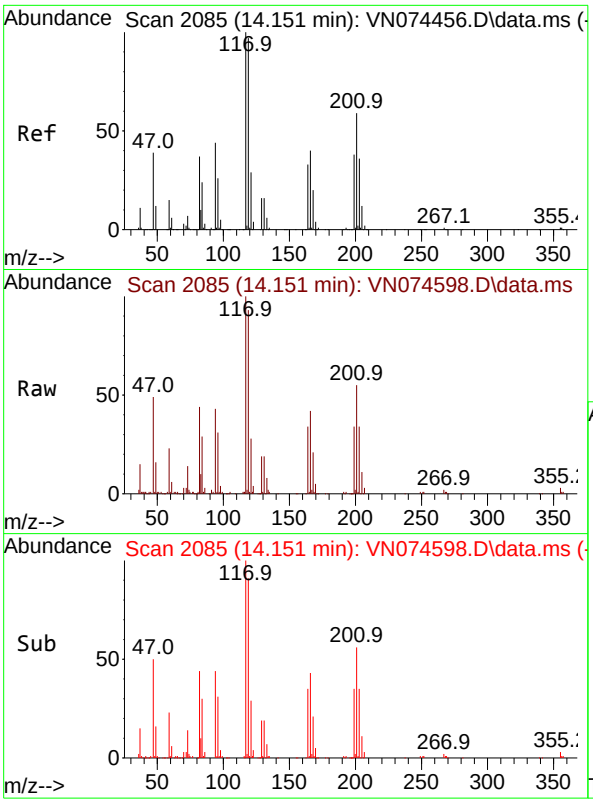


#89
n-Butylbenzene
Concen: 47.867 ug/l
RT: 13.886 min Scan# 2040
Delta R.T. 0.000 min
Lab File: VN074598.D
Acq: 19 Sep 2022 20:08

Tgt Ion: 91 Resp: 737547

Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.9	80.7
134	23.3	13.6	40.8

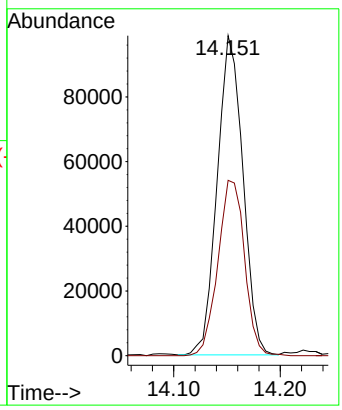




#90
Hexachloroethane
Concen: 44.366 ug/l
RT: 14.151 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN074598.D
Acq: 19 Sep 2022 20:08

Tgt Ion:117 Resp: 16502

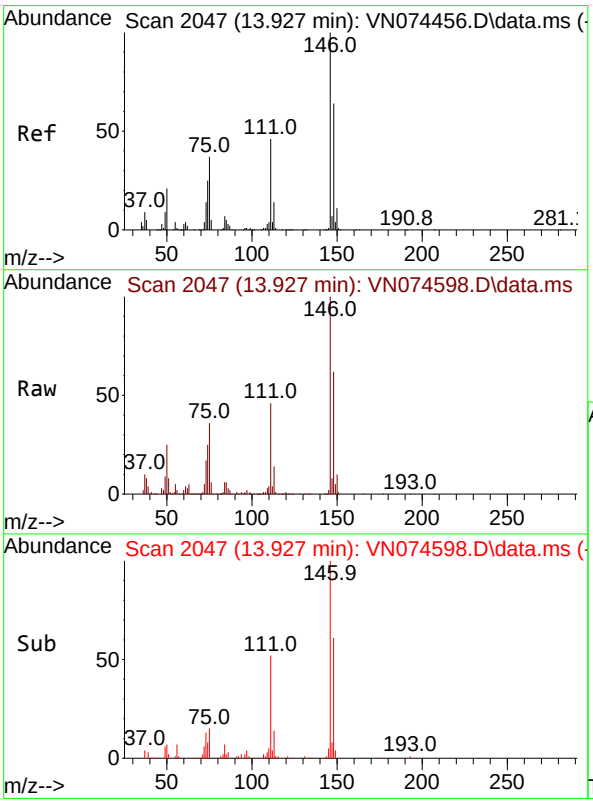
Ion	Ratio	Lower	Upper
117	100		
201	57.0	40.6	122.0



Instrument :
MSVOA_N
ClientSampleId :
1035-MW-02(23.8)MS

Manual Integrations
APPROVED

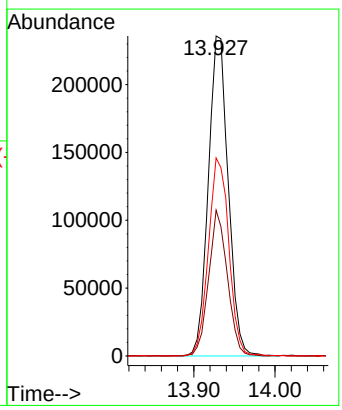
Reviewed By :Krupa Patel 09/21/2022
Supervised By :Mahesh Dadoda 09/21/2022

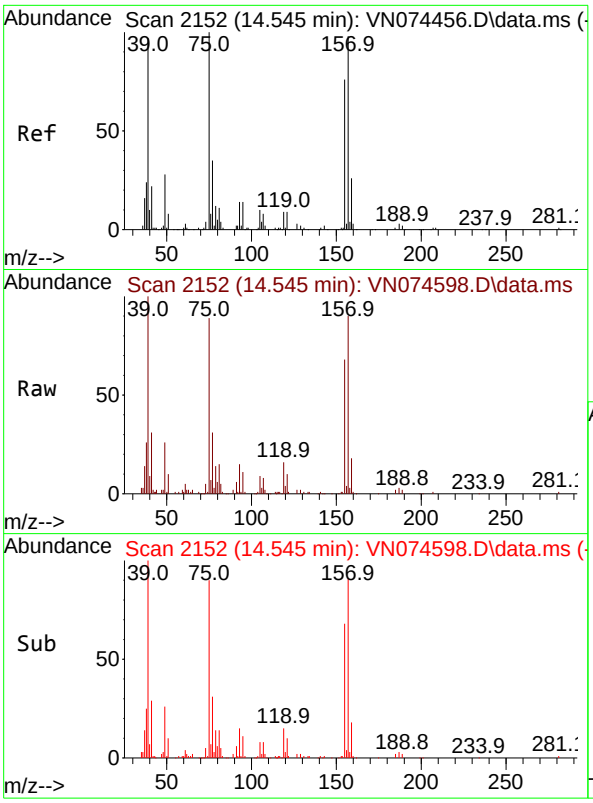


#91
1,2-Dichlorobenzene
Concen: 45.762 ug/l
RT: 13.927 min Scan# 2047
Delta R.T. 0.000 min
Lab File: VN074598.D
Acq: 19 Sep 2022 20:08

Tgt Ion:146 Resp: 401160

Ion	Ratio	Lower	Upper
146	100		
111	42.9	20.9	62.8
148	63.6	32.1	96.3

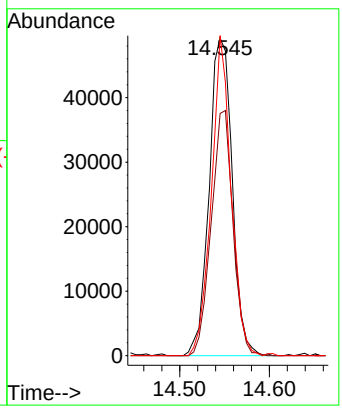




#92
1,2-Dibromo-3-Chloropropane
Concen: 46.091 ug/l
RT: 14.545 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN074598.D
Acq: 19 Sep 2022 20:08

Tgt Ion: 75 Resp: 8779

Ion	Ratio	Lower	Upper
75	100		
155	72.8	44.9	134.5
157	86.2	59.0	176.8



Instrument :
MSVOA_N
ClientSampleId :
1035-MW-02(23.8)MS

Manual Integrations
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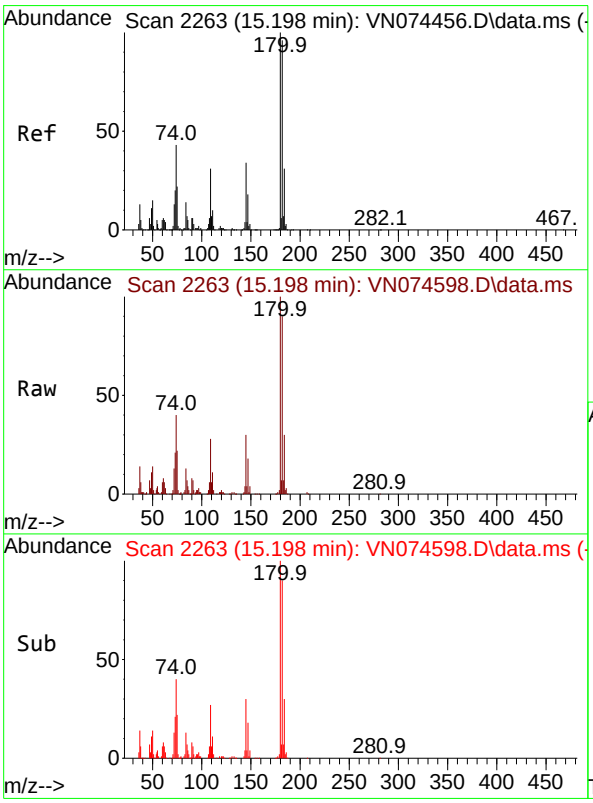
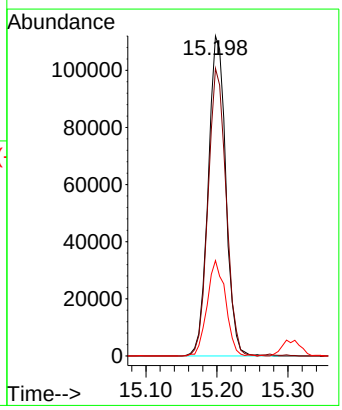
Reviewed By :Krupa Patel 09/21/2022
Supervised By :Mahesh Dadoda 09/21/2022

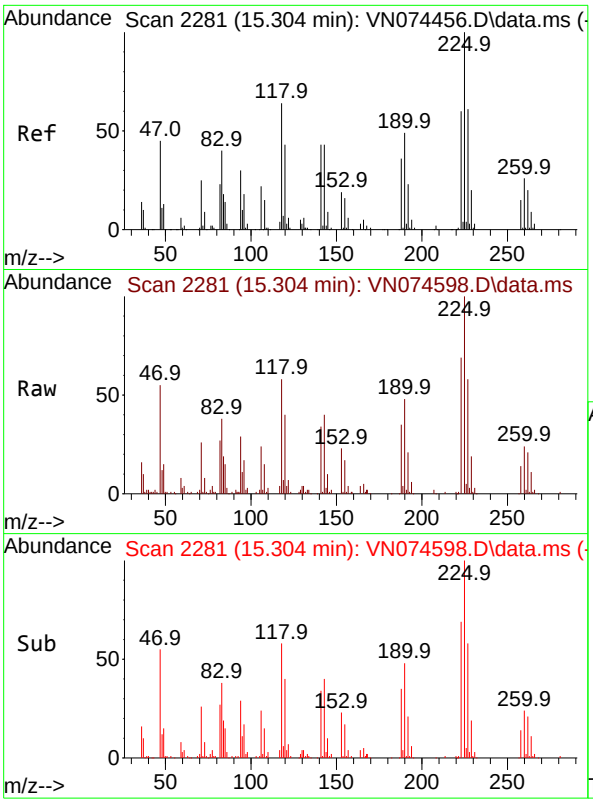


#93
1,2,4-Trichlorobenzene
Concen: 46.257 ug/l
RT: 15.198 min Scan# 2263
Delta R.T. -0.000 min
Lab File: VN074598.D
Acq: 19 Sep 2022 20:08

Tgt Ion:180 Resp: 193187

Ion	Ratio	Lower	Upper
180	100		
182	91.8	47.5	142.5
145	31.2	14.5	43.5

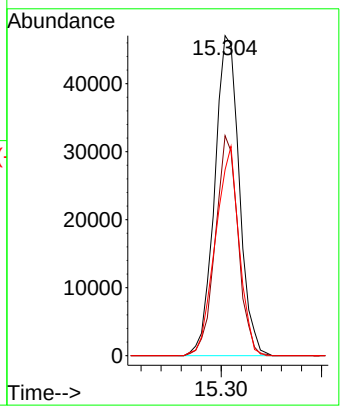




#94
Hexachlorobutadiene
Concen: 43.568 ug/l
RT: 15.304 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN074598.D
Acq: 19 Sep 2022 20:08

Tgt Ion:225 Resp: 7996

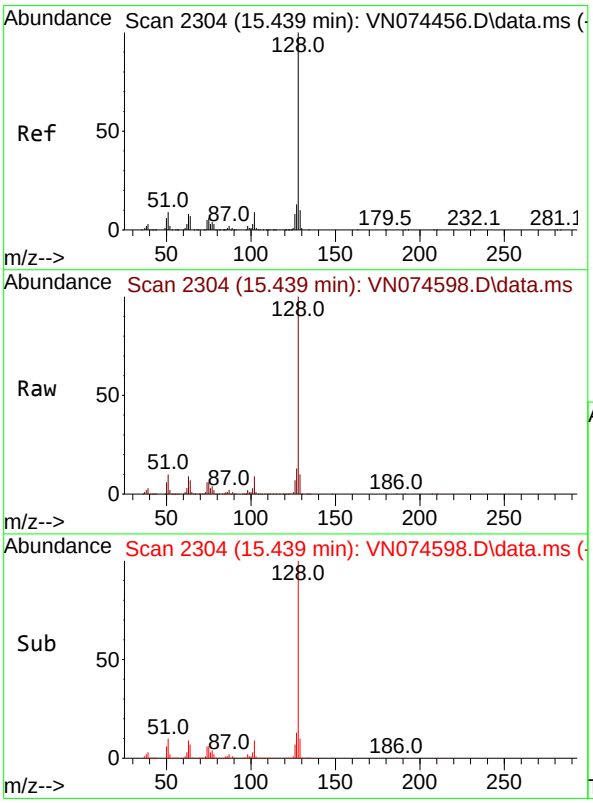
Ion	Ratio	Lower	Upper
225	100		
223	63.5	32.4	97.2
227	63.2	31.8	95.4



Instrument :
MSVOA_N
ClientSampleId :
1035-MW-02(23.8)MS

Manual Integrations
APPROVED

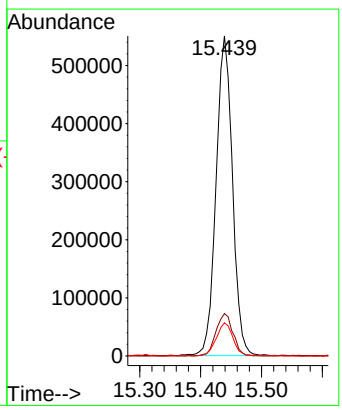
Reviewed By :Krupa Patel 09/21/2022
Supervised By :Mahesh Dadoda 09/21/2022

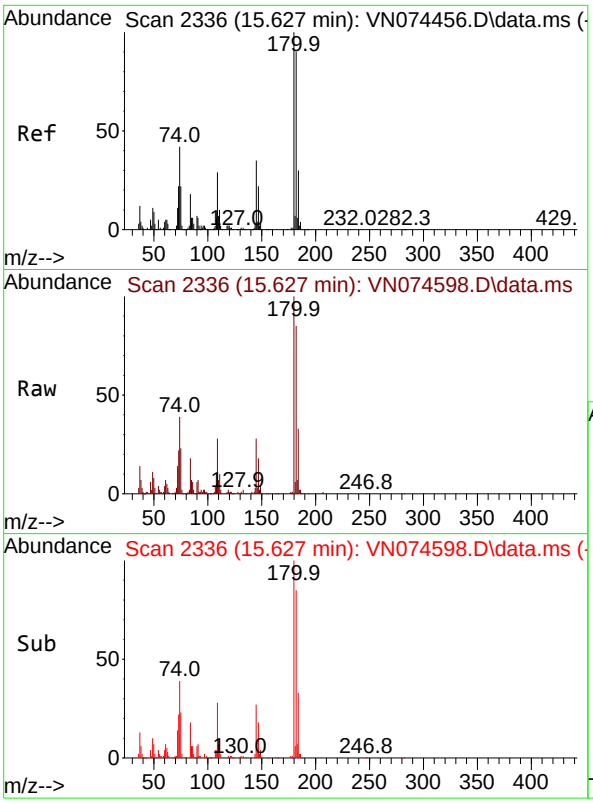


#95
Naphthalene
Concen: 56.895 ug/l
RT: 15.439 min Scan# 2304
Delta R.T. 0.000 min
Lab File: VN074598.D
Acq: 19 Sep 2022 20:08

Tgt Ion:128 Resp: 1027882

Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.3	15.5
129	10.6	8.6	13.0

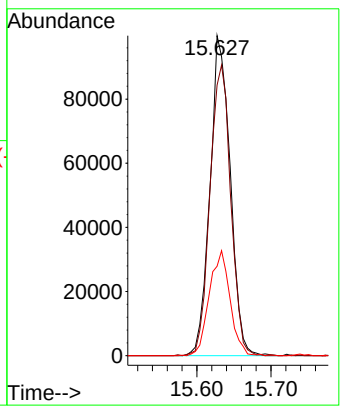




#96
1,2,3-Trichlorobenzene
Concen: 43.909 ug/l
RT: 15.627 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN074598.D
Acq: 19 Sep 2022 20:08

Tgt Ion:180 Resp: 18930

Ion	Ratio	Lower	Upper
180	100		
182	93.0	47.8	143.3
145	33.8	15.5	46.5



Instrument :
MSVOA_N
ClientSampleId :
1035-MW-02(23.8)MS

Manual Integrations
APPROVED

Reviewed By :Krupa Patel 09/21/2022
Supervised By :Mahesh Dadoda 09/21/2022

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/08/22
Project:	Andrews St. Site	Date Received:	09/12/22
Client Sample ID:	1035-MW-02(23.8)MSD	SDG No.:	N4647
Lab Sample ID:	N4647-04MSD	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN074599.D	1		09/19/22 20:32	VN091922

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	43.3		0.17	1.00	ug/L
74-87-3	Chloromethane	61.1		0.20	1.00	ug/L
75-01-4	Vinyl Chloride	65.2		0.22	1.00	ug/L
74-83-9	Bromomethane	77.2		1.60	5.00	ug/L
75-00-3	Chloroethane	69.0		0.26	1.00	ug/L
75-69-4	Trichlorofluoromethane	69.0		0.20	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	49.4		0.17	1.00	ug/L
75-35-4	1,1-Dichloroethene	51.4		0.23	1.00	ug/L
67-64-1	Acetone	310		1.20	5.00	ug/L
75-15-0	Carbon Disulfide	45.4		0.26	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	52.7		0.18	1.00	ug/L
79-20-9	Methyl Acetate	51.9		0.53	1.00	ug/L
75-09-2	Methylene Chloride	51.7		0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	49.9		0.20	1.00	ug/L
75-34-3	1,1-Dichloroethane	52.1		0.20	1.00	ug/L
110-82-7	Cyclohexane	47.4		1.20	5.00	ug/L
78-93-3	2-Butanone	300		0.82	5.00	ug/L
56-23-5	Carbon Tetrachloride	48.7		0.18	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	96.5		0.17	1.00	ug/L
74-97-5	Bromochloromethane	54.9		0.19	1.00	ug/L
67-66-3	Chloroform	52.7		0.18	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	49.8		0.18	1.00	ug/L
108-87-2	Methylcyclohexane	47.1		0.13	1.00	ug/L
71-43-2	Benzene	50.0		0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	52.7		0.18	1.00	ug/L
79-01-6	Trichloroethene	93.6		0.27	1.00	ug/L
78-87-5	1,2-Dichloropropane	52.3		0.17	1.00	ug/L
75-27-4	Bromodichloromethane	52.1		0.18	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	300		0.87	5.00	ug/L
108-88-3	Toluene	62.3		0.17	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	48.1		0.14	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	48.4		0.16	1.00	ug/L

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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/08/22
Project:	Andrews St. Site	Date Received:	09/12/22
Client Sample ID:	1035-MW-02(23.8)MSD	SDG No.:	N4647
Lab Sample ID:	N4647-04MSD	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN074599.D	1		09/19/22 20:32	VN091922

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	51.4		0.19	1.00	ug/L
591-78-6	2-Hexanone	310		0.76	5.00	ug/L
124-48-1	Dibromochloromethane	51.4		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	51.9		0.14	1.00	ug/L
127-18-4	Tetrachloroethene	190	E	0.18	1.00	ug/L
108-90-7	Chlorobenzene	47.2		0.17	1.00	ug/L
100-41-4	Ethyl Benzene	51.1		0.17	1.00	ug/L
179601-23-1	m/p-Xylenes	120		0.33	2.00	ug/L
95-47-6	o-Xylene	55.0		0.18	1.00	ug/L
100-42-5	Styrene	48.6		0.13	1.00	ug/L
75-25-2	Bromoform	50.3		0.16	1.00	ug/L
98-82-8	Isopropylbenzene	49.0		0.19	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	50.1		0.23	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	47.0		0.20	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	47.5		0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	47.8		0.17	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	50.0		0.42	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	47.7		0.23	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	47.4		0.33	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.0		74 - 125	110%	SPK: 50
1868-53-7	Dibromofluoromethane	53.9		75 - 124	108%	SPK: 50
2037-26-5	Toluene-d8	52.0		86 - 113	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.6		83 - 123	105%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	247000	8.016			
540-36-3	1,4-Difluorobenzene	478000	8.904			
3114-55-4	Chlorobenzene-d5	445000	11.686			
3855-82-1	1,4-Dichlorobenzene-d4	194000	13.616			

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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/08/22
Project:	Andrews St. Site	Date Received:	09/12/22
Client Sample ID:	1035-MW-02(23.8)MSD	SDG No.:	N4647
Lab Sample ID:	N4647-04MSD	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN074599.D	1		09/19/22 20:32	VN091922

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091922\
Data File : VN074599.D
Acq On : 19 Sep 2022 20:32
Operator : JC\MD
Sample : N4647-04MSD
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 20 04:22:20 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 15 19:20:33 2022
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
1035-MW-02(23.8)MSD

Manual Integrations APPROVED
Reviewed By :Krupa Patel 09/21/2022
Supervised By :Mahesh Dadoda 09/21/2022

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.016	168	247391	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.904	114	478114	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	445280	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	194320	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	230844	54.995	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.980%			
35) Dibromofluoromethane	7.945	113	171098	53.872	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.740%			
50) Toluene-d8	10.381	98	638251	51.963	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.920%			
62) 4-Bromofluorobenzene	12.669	95	221253	52.594	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.180%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.040	85	116537	43.283	ug/l	99
3) Chloromethane	2.263	50	277156	61.142	ug/l	100
4) Vinyl Chloride	2.405	62	316027	65.209	ug/l	96
5) Bromomethane	2.781	94	197291	77.193	ug/l	97
6) Chloroethane	2.946	64	228380	68.988	ug/l	89
7) Trichlorofluoromethane	3.299	101	369093	68.965	ug/l	100
8) Diethyl Ether	3.763	74	141160	51.721	ug/l	76
9) 1,1,2-Trichlorotrifluo...	4.134	101	163570	49.401	ug/l	88
10) Methyl Iodide	4.346	142	203777	52.171	ug/l	93
11) Tert butyl alcohol	5.293	59	357800	261.668	ug/l	99
12) 1,1-Dichloroethene	4.104	96	167720	51.408	ug/l	100
13) Acrolein	3.981	56	165198	330.826	ug/l	100
14) Allyl chloride	4.751	41	400885	51.527	ug/l #	92
15) Acrylonitrile	5.469	53	866744	282.146	ug/l	98
16) Acetone	4.216	43	844304	314.331	ug/l	96
17) Carbon Disulfide	4.446	76	405911	45.432	ug/l	96
18) Methyl Acetate	4.769	43	433077	51.911	ug/l #	87
19) Methyl tert-butyl Ether	5.528	73	723712	52.702	ug/l	99
20) Methylene Chloride	5.010	84	212111	51.724	ug/l #	80
21) trans-1,2-Dichloroethene	5.516	96	178531	49.887	ug/l	95
22) Diisopropyl ether	6.404	45	867620	55.536	ug/l #	94
23) Vinyl Acetate	6.351	43	3513462	254.982	ug/l #	92
24) 1,1-Dichloroethane	6.304	63	406697	52.080	ug/l	95
25) 2-Butanone	7.257	43	1357577	304.414	ug/l #	87
26) 2,2-Dichloropropane	7.245	77	219847	32.654	ug/l	90
27) cis-1,2-Dichloroethene	7.245	96	442248	96.544	ug/l	96
28) Bromochloromethane	7.587	49	126215	54.886	ug/l #	67
29) Tetrahydrofuran	7.610	42	884057	301.504	ug/l #	82
30) Chloroform	7.745	83	380171	52.745	ug/l	99
31) Cyclohexane	8.022	56	353133	47.396	ug/l #	84
32) 1,1,1-Trichloroethane	7.939	97	314930	49.818	ug/l	96
36) 1,1-Dichloropropene	8.151	75	268234	47.714	ug/l	97
37) Ethyl Acetate	7.340	43	467659	53.867	ug/l #	93
38) Carbon Tetrachloride	8.128	117	252949	48.734	ug/l	93
39) Methylcyclohexane	9.398	83	315078	47.134	ug/l	97
40) Benzene	8.392	78	869948	50.044	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091922\
Data File : VN074599.D
Acq On : 19 Sep 2022 20:32
Operator : JC\MD
Sample : N4647-04MSD
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 20 04:22:20 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 15 19:20:33 2022
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
1035-MW-02(23.8)MSD

Manual Integrations APPROVED

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.563	41	223969	53.360	ug/l	#	89
42) 1,2-Dichloroethane	8.463	62	314421	52.706	ug/l		96
43) Isopropyl Acetate	8.492	43	736334	54.146	ug/l	#	90
44) Trichloroethene	9.151	130	352240	93.641	ug/l		87
45) 1,2-Dichloropropane	9.428	63	249855	52.298	ug/l		99
46) Dibromomethane	9.516	93	153330	51.244	ug/l	#	82
47) Bromodichloromethane	9.698	83	305736	52.118	ug/l		98
48) Methyl methacrylate	9.498	41	332402	55.126	ug/l		83
49) 1,4-Dioxane	9.504	88	132311	1141.306	ug/l	#	90
51) 4-Methyl-2-Pentanone	10.275	43	2671054	300.779	ug/l		88
52) Toluene	10.445	92	635268	62.319	ug/l		99
53) t-1,3-Dichloropropene	10.663	75	328778	48.088	ug/l		99
54) cis-1,3-Dichloropropene	10.128	75	354229	48.414	ug/l	#	87
55) 1,1,2-Trichloroethane	10.839	97	222142	51.447	ug/l		94
56) Ethyl methacrylate	10.704	69	403233	52.280	ug/l	#	74
57) 1,3-Dichloropropane	10.986	76	398686	52.662	ug/l		99
59) 2-Hexanone	11.028	43	2073957	305.929	ug/l		86
60) Dibromochloromethane	11.180	129	212364	51.375	ug/l		98
61) 1,2-Dibromoethane	11.286	107	217651	51.887	ug/l		99
64) Tetrachloroethene	10.916	164	583125	190.823	ug/l		93
65) Chlorobenzene	11.710	112	527725	47.209	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.786	131	195538	48.145	ug/l		97
67) Ethyl Benzene	11.786	91	1048610	51.093	ug/l		97
68) m/p-Xylenes	11.892	106	873888	115.164	ug/l		96
69) o-Xylene	12.222	106	425358	54.978	ug/l		98
70) Styrene	12.239	104	625793	48.625	ug/l		97
71) Bromoform	12.398	173	150093	50.281	ug/l	#	99
73) Isopropylbenzene	12.522	105	975567	49.031	ug/l		98
74) N-amyl acetate	12.333	43	598813	48.135	ug/l	#	86
75) 1,1,2,2-Tetrachloroethane	12.774	83	399655	50.123	ug/l		97
76) 1,2,3-Trichloropropane	12.827	75	351674m	58.796	ug/l		
77) Bromobenzene	12.804	156	197136	46.382	ug/l		68
78) n-propylbenzene	12.863	91	1151457	48.590	ug/l		94
79) 2-Chlorotoluene	12.951	91	678238	47.944	ug/l		98
80) 1,3,5-Trimethylbenzene	13.004	105	808084	49.822	ug/l		97
81) trans-1,4-Dichloro-2-b...	12.569	75	120183	43.367	ug/l		94
82) 4-Chlorotoluene	13.045	91	664599	49.426	ug/l		94
83) tert-Butylbenzene	13.263	119	701274	47.508	ug/l		96
84) 1,2,4-Trimethylbenzene	13.310	105	847448	51.919	ug/l		96
85) sec-Butylbenzene	13.445	105	1000293	49.352	ug/l		96
86) p-Isopropyltoluene	13.557	119	779056	49.303	ug/l		97
87) 1,3-Dichlorobenzene	13.557	146	367161	47.009	ug/l		97
88) 1,4-Dichlorobenzene	13.639	146	372989	47.516	ug/l		98
89) n-Butylbenzene	13.886	91	700839	49.208	ug/l		96
90) Hexachloroethane	14.151	117	161545	46.987	ug/l		75
91) 1,2-Dichlorobenzene	13.927	146	387274	47.795	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.545	75	88094	50.035	ug/l		77
93) 1,2,4-Trichlorobenzene	15.198	180	183963	47.655	ug/l		99
94) Hexachlorobutadiene	15.304	225	72927	42.985	ug/l		98
95) Naphthalene	15.439	128	867140	52.066	ug/l		99
96) 1,2,3-Trichlorobenzene	15.633	180	189186	47.366	ug/l		99

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Sample : N4647-04MSD
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 20 04:22:20 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 15 19:20:33 2022
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
1035-MW-02(23.8)MSD

Manual Integrations APPROVED

Reviewed By :Krupa Patel 09/21/2022
Supervised By :Mahesh Dadoda 09/21/2022

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091922\
Data File : VN074599.D
Acq On : 19 Sep 2022 20:32
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Quant Title : SW846 8260
QLast Update : Thu Sep 15 19:20:33 2022
Response via : Initial Calibration

Instrument :
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ClientSampleId :
1035-MW-02(23.8)MSD

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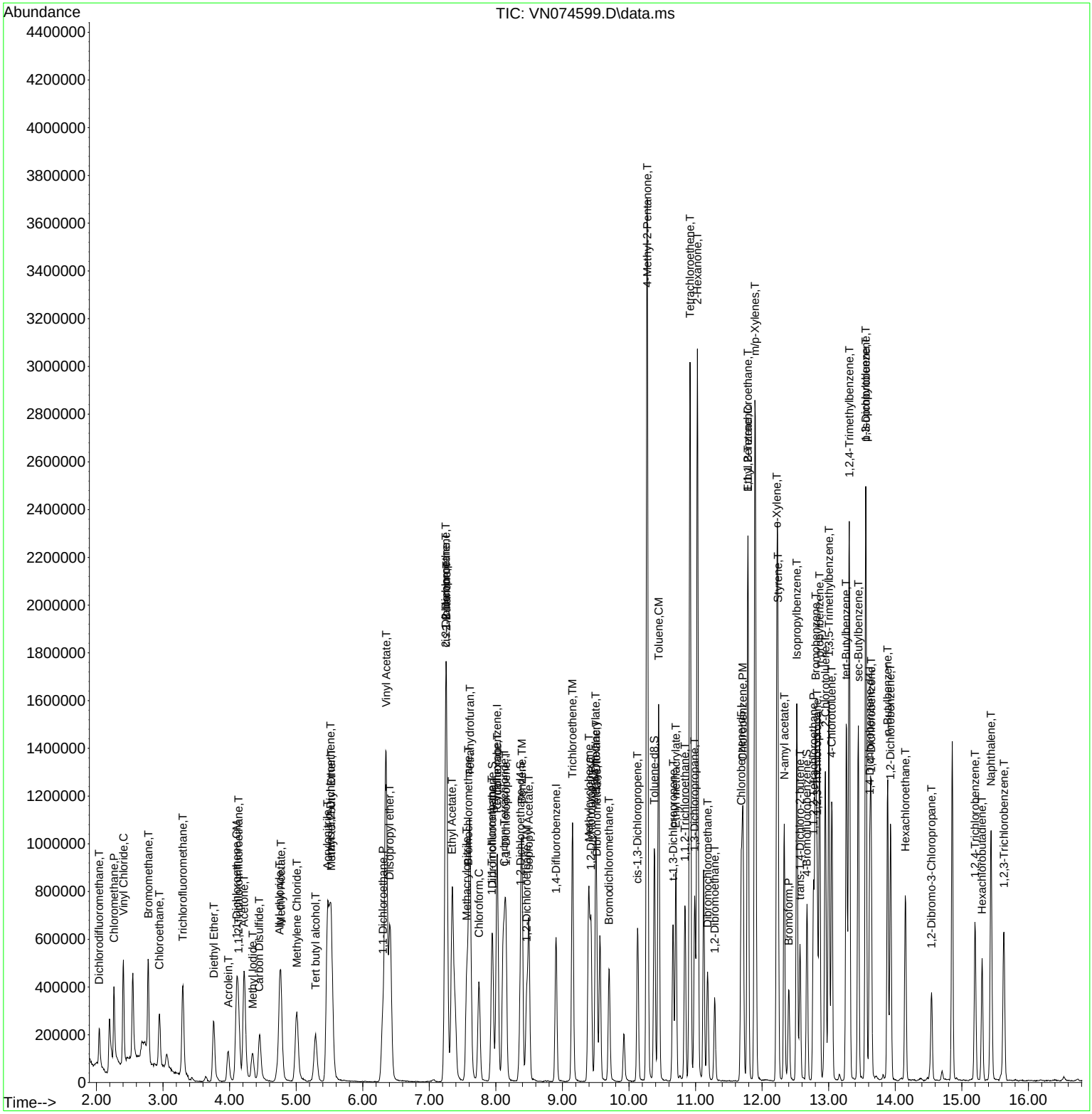
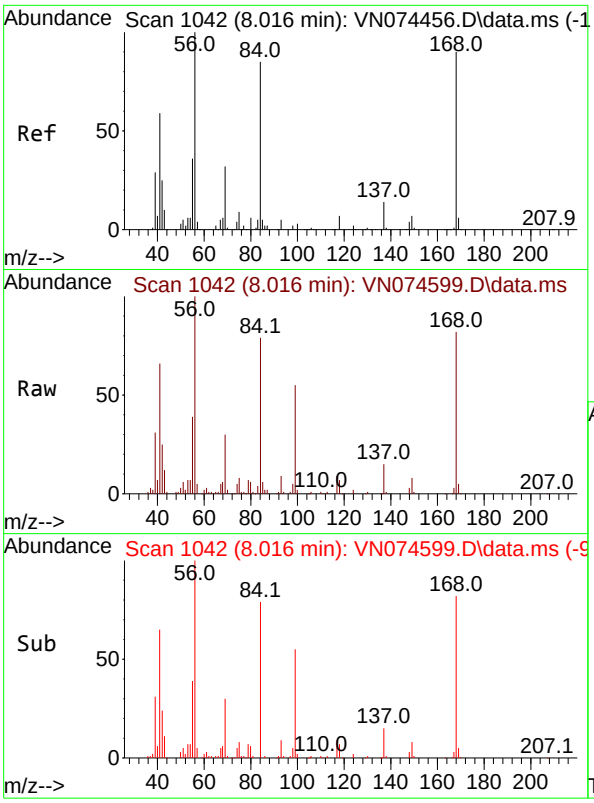
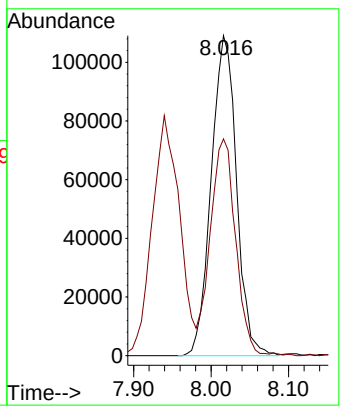




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074599.D
Acq: 19 Sep 2022 20:32

Tgt Ion:168 Resp: 24739

Ion	Ratio	Lower	Upper
168	100		
99	67.2	42.3	63.5



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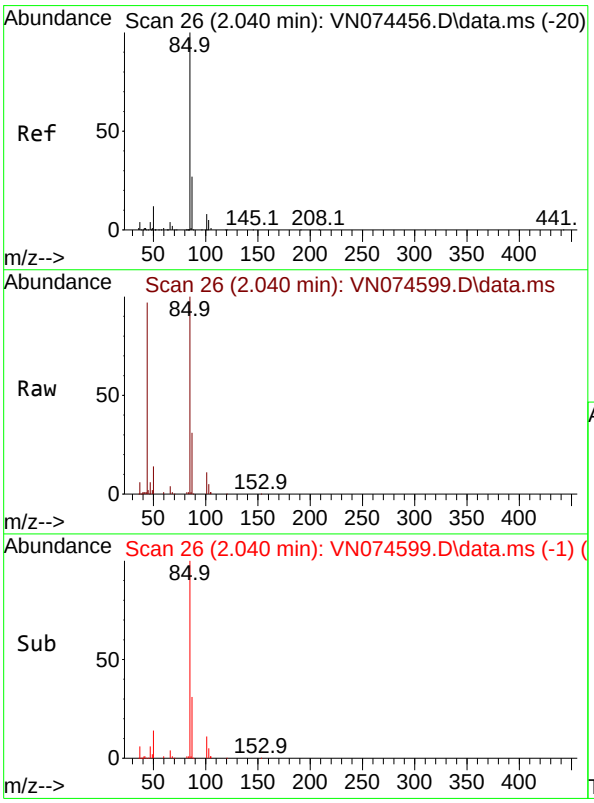
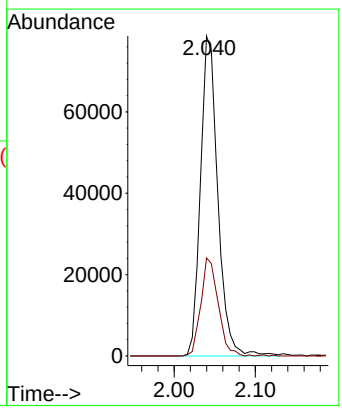
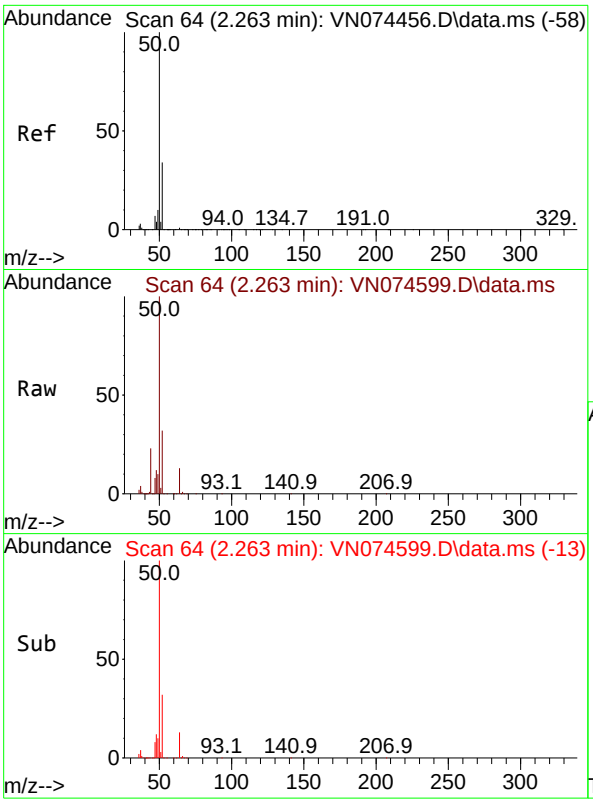


#2
Dichlorodifluoromethane
Concen: 43.283 ug/l
RT: 2.040 min Scan# 26
Delta R.T. -0.000 min
Lab File: VN074599.D
Acq: 19 Sep 2022 20:32

Tgt Ion: 85 Resp: 116537

Ion	Ratio	Lower	Upper
85	100		
87	30.6	15.7	47.1

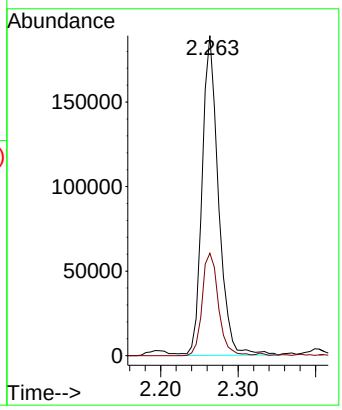




#3
Chloromethane
Concen: 61.142 ug/l
RT: 2.263 min Scan# 64
Delta R.T. 0.000 min
Lab File: VN074599.D
Acq: 19 Sep 2022 20:32

Tgt Ion: 50 Resp: 27715

Ion	Ratio	Lower	Upper
50	100		
52	32.1	25.7	38.5



Instrument :
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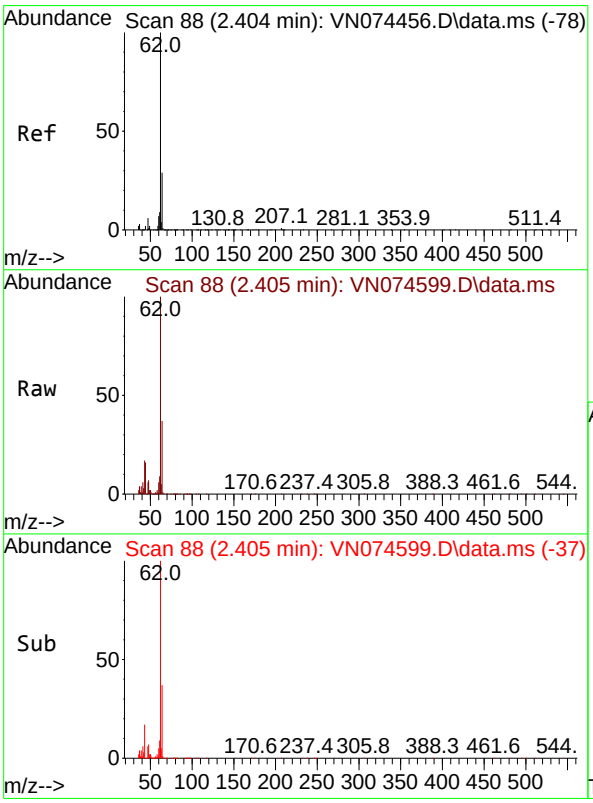
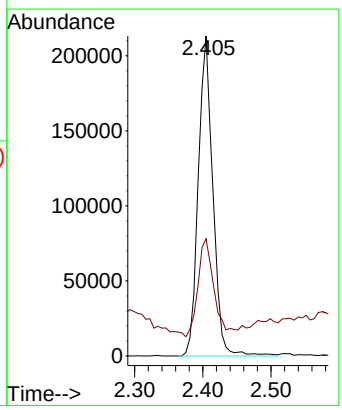
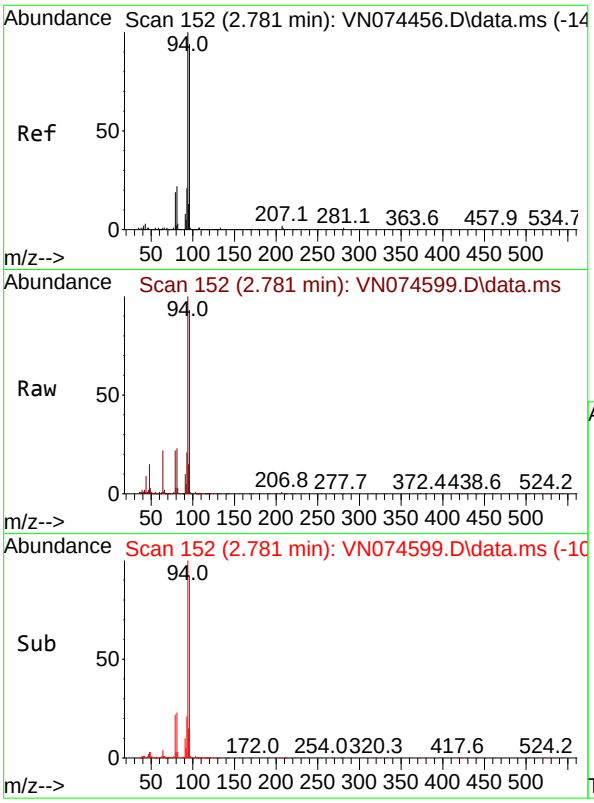


#4
Vinyl Chloride
Concen: 65.209 ug/l
RT: 2.405 min Scan# 88
Delta R.T. 0.001 min
Lab File: VN074599.D
Acq: 19 Sep 2022 20:32

Tgt Ion: 62 Resp: 316027

Ion	Ratio	Lower	Upper
62	100		
64	29.2	25.0	37.4

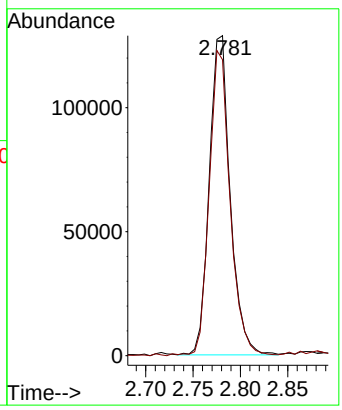




#5
Bromomethane
Concen: 77.193 ug/l
RT: 2.781 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074599.D
Acq: 19 Sep 2022 20:32

Tgt Ion: 94 Resp: 19729

Ion	Ratio	Lower	Upper
94	100		
96	92.5	76.0	114.0



Instrument :
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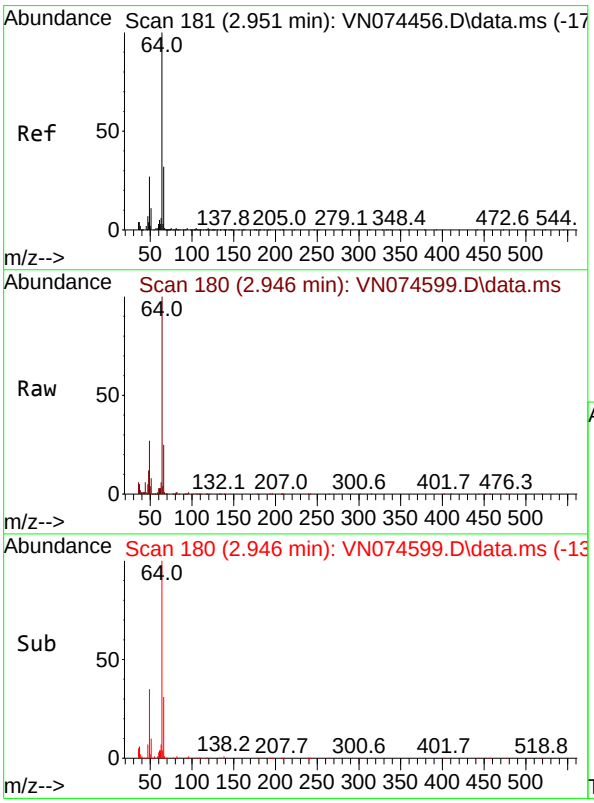
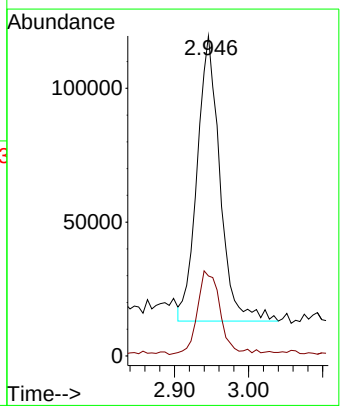
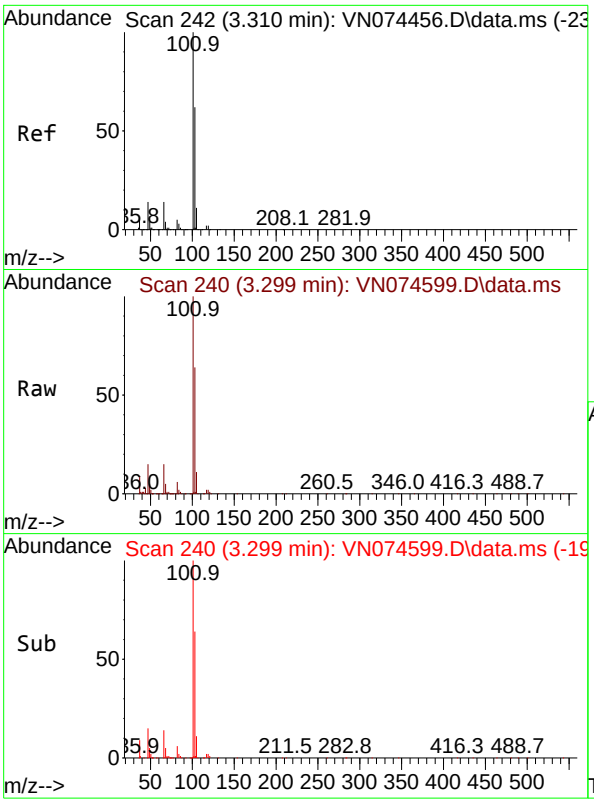


#6
Chloroethane
Concen: 68.988 ug/l
RT: 2.946 min Scan# 180
Delta R.T. -0.005 min
Lab File: VN074599.D
Acq: 19 Sep 2022 20:32

Tgt Ion: 64 Resp: 228380

Ion	Ratio	Lower	Upper
64	100		
66	26.9	26.2	39.4





#7
Trichlorofluoromethane
Concen: 68.965 ug/l
RT: 3.299 min Scan# 24
Delta R.T. -0.011 min
Lab File: VN074599.D
Acq: 19 Sep 2022 20:32

Tgt Ion:101 Resp: 36909

Ion	Ratio	Lower	Upper
101	100		
103	64.1	51.5	77.3

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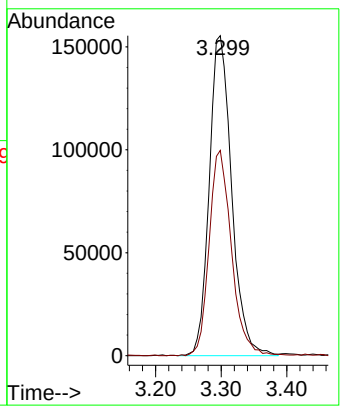
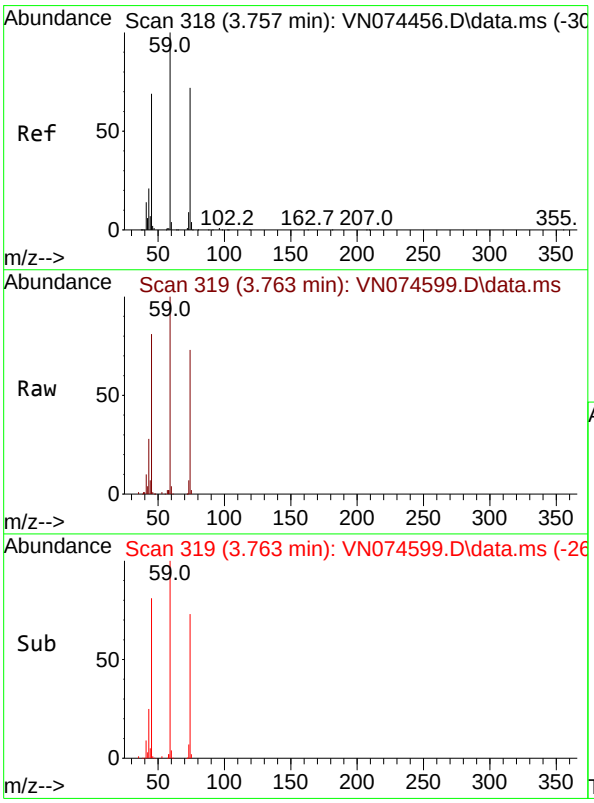
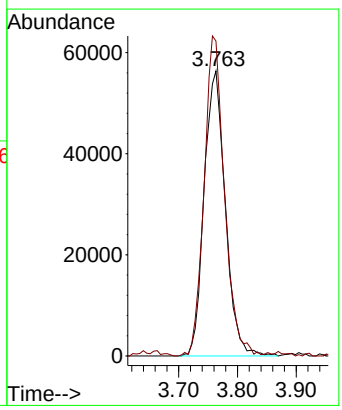


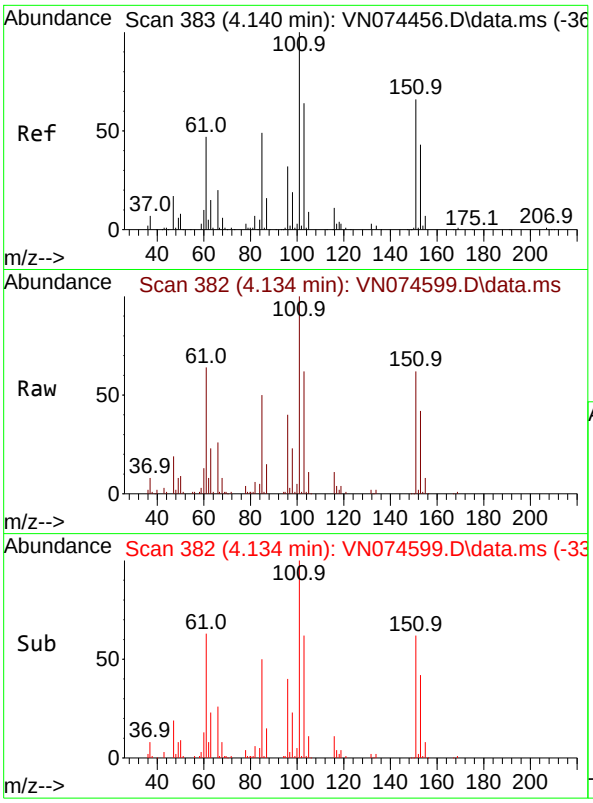


#8
Diethyl Ether
Concen: 51.721 ug/l
RT: 3.763 min Scan# 319
Delta R.T. 0.006 min
Lab File: VN074599.D
Acq: 19 Sep 2022 20:32

Tgt Ion: 74 Resp: 141160

Ion	Ratio	Lower	Upper
74	100		
45	107.7	42.9	128.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 49.401 ug/l
RT: 4.134 min Scan# 3
Delta R.T. -0.006 min
Lab File: VN074599.D
Acq: 19 Sep 2022 20:32

Tgt Ion:101 Resp: 16357

Ion	Ratio	Lower	Upper
101	100		
85	48.3	34.7	52.1
151	66.4	63.0	94.4

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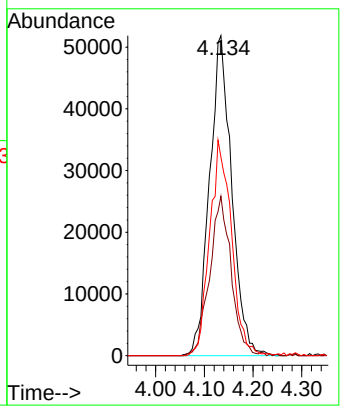
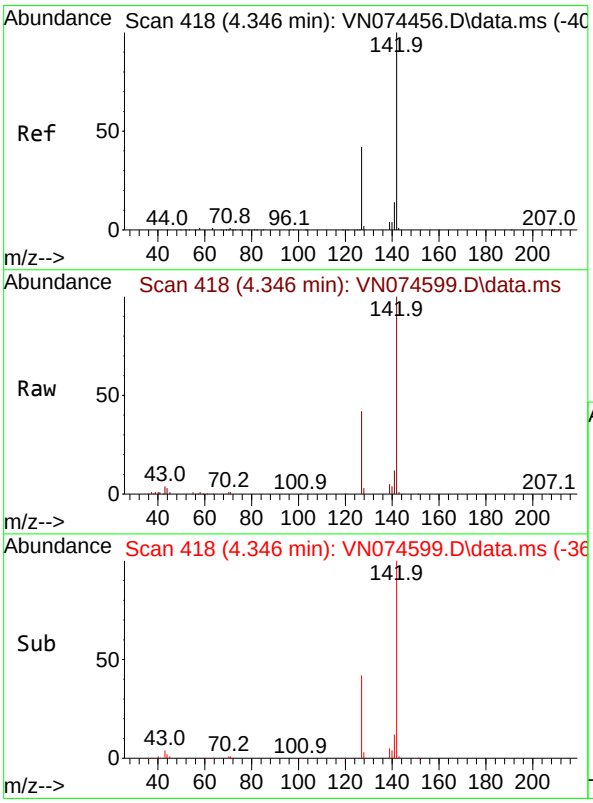
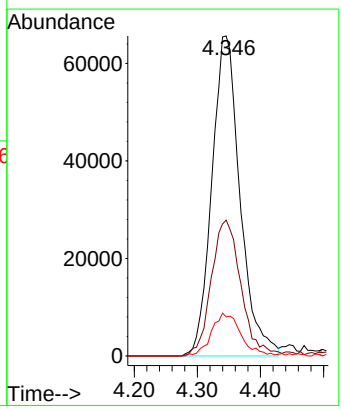


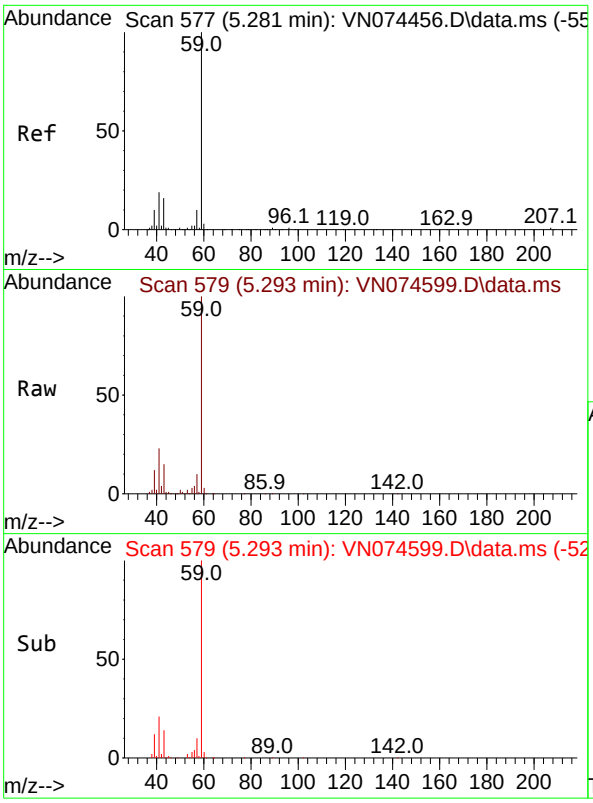


#10
Methyl Iodide
Concen: 52.171 ug/l
RT: 4.346 min Scan# 418
Delta R.T. -0.000 min
Lab File: VN074599.D
Acq: 19 Sep 2022 20:32

Tgt Ion:142 Resp: 203777

Ion	Ratio	Lower	Upper
142	100		
127	44.5	31.3	46.9
141	13.9	11.2	16.8

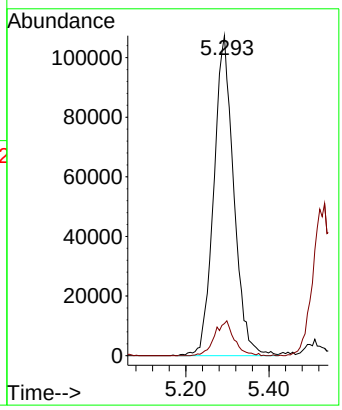




#11
Tert butyl alcohol
Concen: 261.668 ug/l
RT: 5.293 min Scan# 5
Delta R.T. 0.012 min
Lab File: VN074599.D
Acq: 19 Sep 2022 20:32

Tgt Ion: 59 Resp: 35780

Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.3	12.5



Instrument :
MSVOA_N
ClientSampleId :
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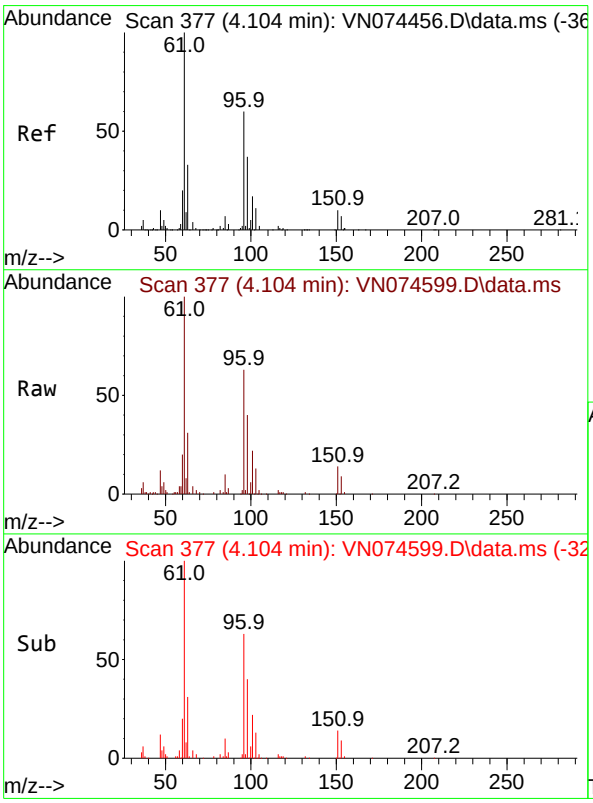
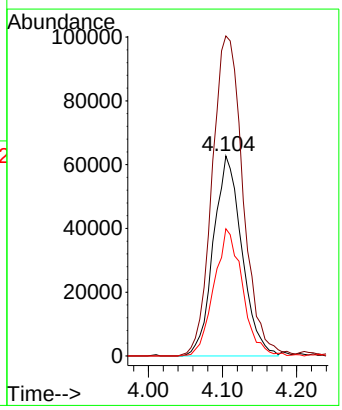
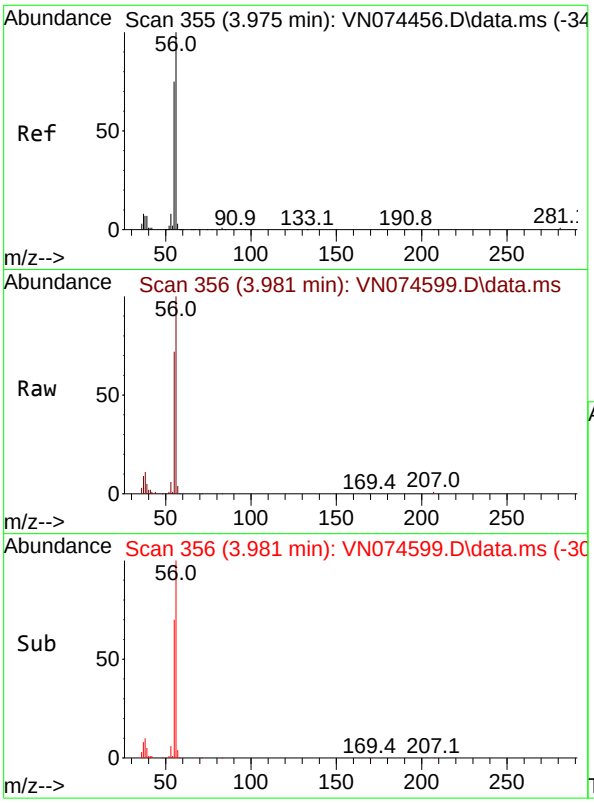


#12
1,1-Dichloroethene
Concen: 51.408 ug/l
RT: 4.104 min Scan# 377
Delta R.T. 0.000 min
Lab File: VN074599.D
Acq: 19 Sep 2022 20:32

Tgt Ion: 96 Resp: 167720

Ion	Ratio	Lower	Upper
96	100		
61	159.9	127.6	191.4
98	63.6	51.2	76.8





#13
Acrolein
Concen: 330.826 ug/l
RT: 3.981 min Scan# 3
Delta R.T. 0.006 min
Lab File: VN074599.D
Acq: 19 Sep 2022 20:32

Tgt Ion: 56 Resp: 16519

Ion	Ratio	Lower	Upper
56	100		
55	68.6	54.8	82.2

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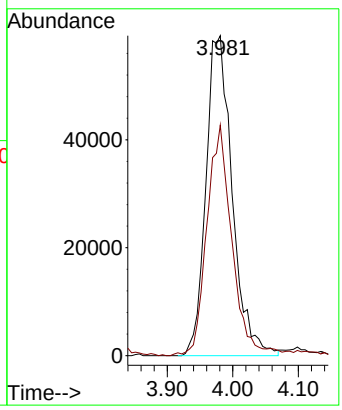
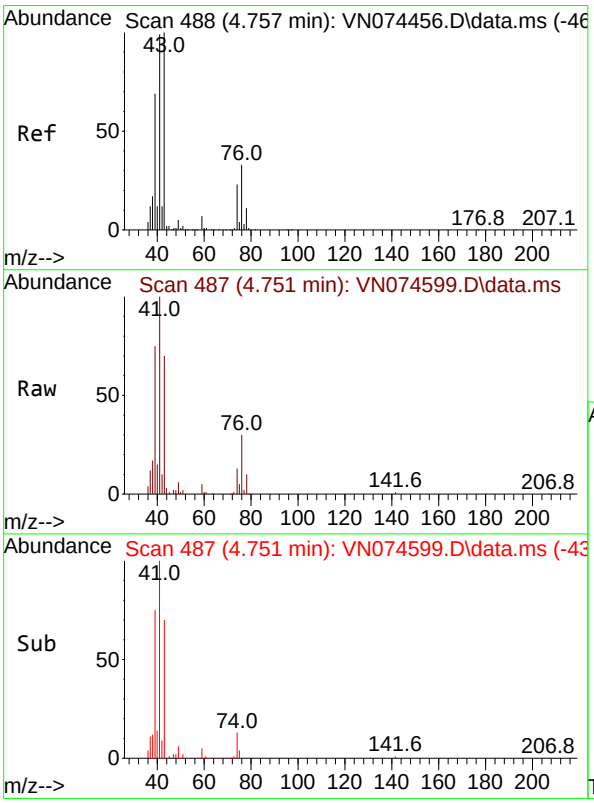
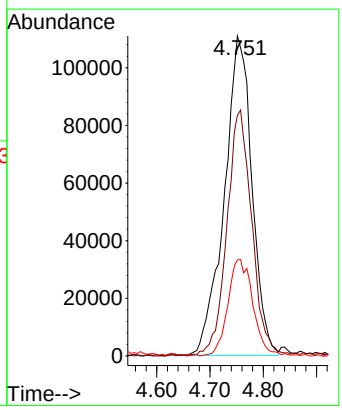


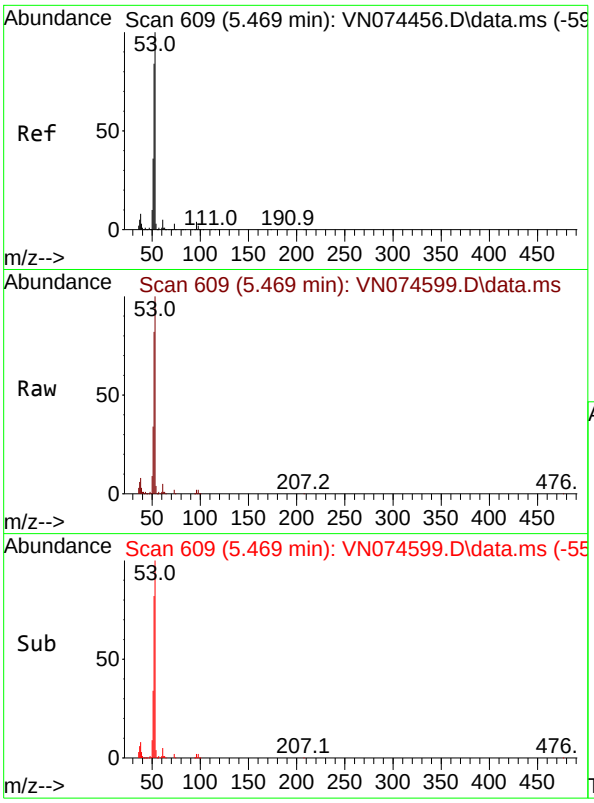


#14
Allyl chloride
Concen: 51.527 ug/l
RT: 4.751 min Scan# 487
Delta R.T. -0.006 min
Lab File: VN074599.D
Acq: 19 Sep 2022 20:32

Tgt Ion: 41 Resp: 400885

Ion	Ratio	Lower	Upper
41	100		
39	69.5	53.2	79.8
76	27.4	29.9	44.9#





#15
Acrylonitrile
Concen: 282.146 ug/l
RT: 5.469 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN074599.D
Acq: 19 Sep 2022 20:32

Tgt Ion: 53 Resp: 86674

Ion	Ratio	Lower	Upper
53	100		
52	85.0	66.4	99.6
51	36.3	28.5	42.7

Instrument :
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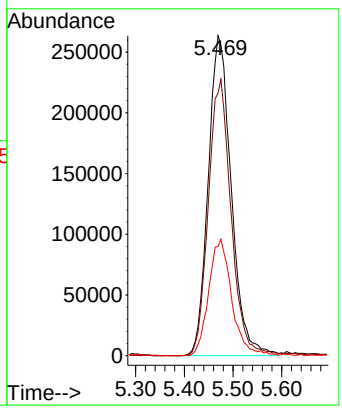
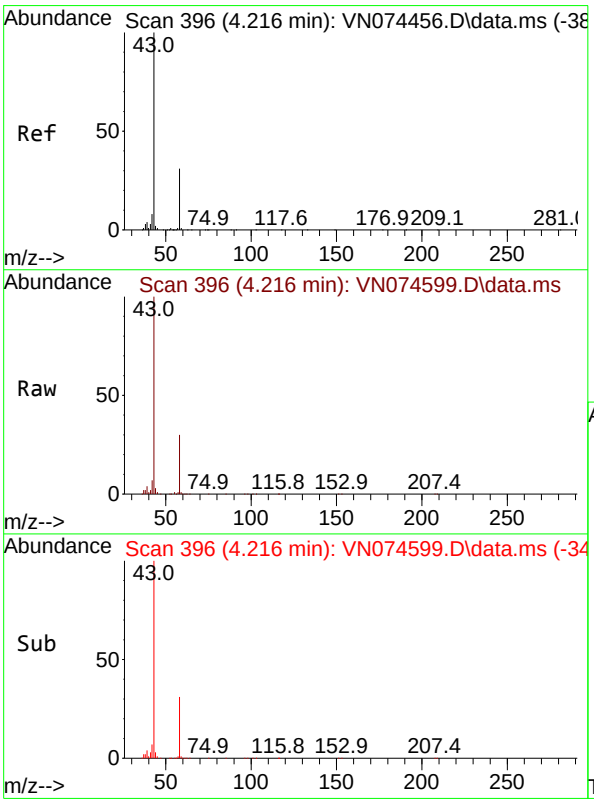
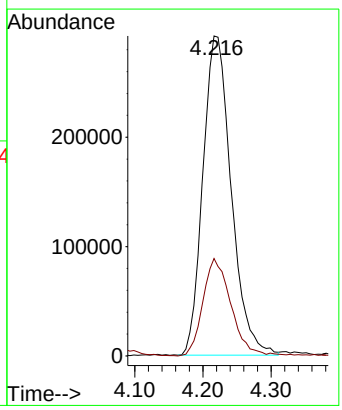


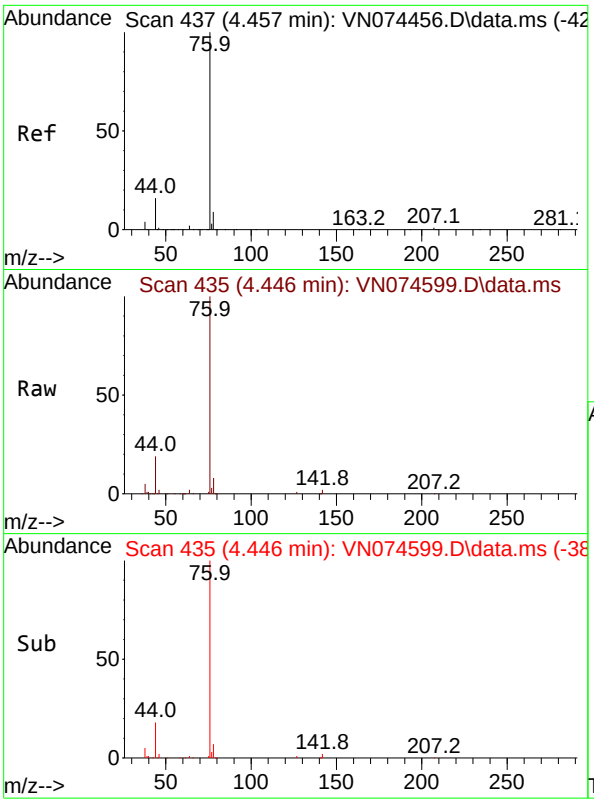


#16
Acetone
Concen: 314.331 ug/l
RT: 4.216 min Scan# 396
Delta R.T. 0.000 min
Lab File: VN074599.D
Acq: 19 Sep 2022 20:32

Tgt Ion: 43 Resp: 844304

Ion	Ratio	Lower	Upper
43	100		
58	30.5	26.0	39.0

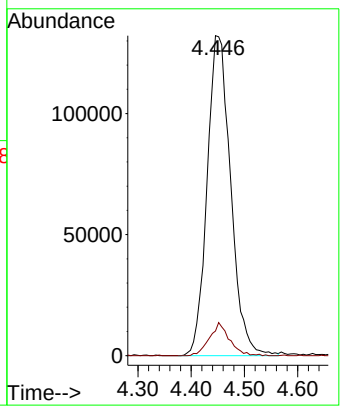




#17
Carbon Disulfide
Concen: 45.432 ug/l
RT: 4.446 min Scan# 4
Delta R.T. -0.011 min
Lab File: VN074599.D
Acq: 19 Sep 2022 20:32

Tgt Ion: 76 Resp: 40591

Ion	Ratio	Lower	Upper
76	100		
78	7.7	7.2	10.8



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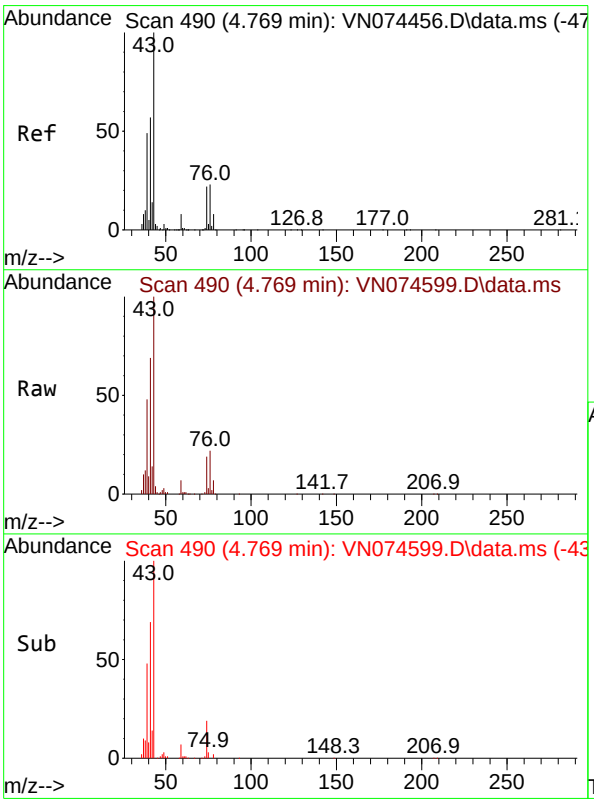
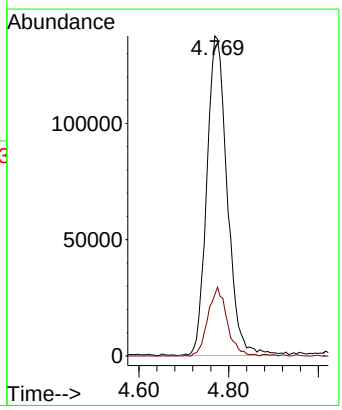
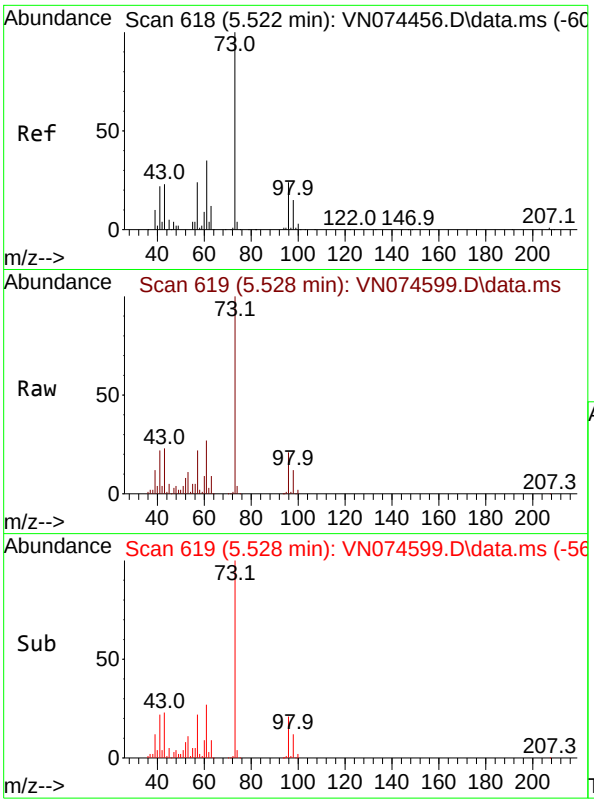


#18
Methyl Acetate
Concen: 51.911 ug/l
RT: 4.769 min Scan# 490
Delta R.T. 0.000 min
Lab File: VN074599.D
Acq: 19 Sep 2022 20:32

Tgt Ion: 43 Resp: 433077

Ion	Ratio	Lower	Upper
43	100		
74	20.2	21.6	32.4#

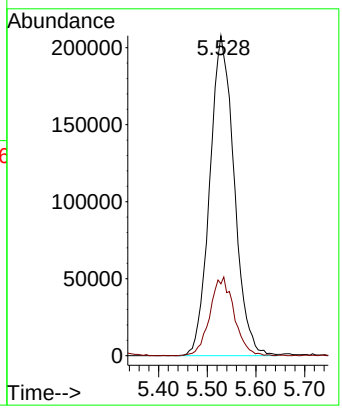




#19
Methyl tert-butyl Ether
Concen: 52.702 ug/l
RT: 5.528 min Scan# 61
Delta R.T. 0.006 min
Lab File: VN074599.D
Acq: 19 Sep 2022 20:32

Tgt Ion: 73 Resp: 72371

Ion	Ratio	Lower	Upper
73	100		
57	22.4	17.6	26.4



Instrument :
MSVOA_N
ClientSampleId :
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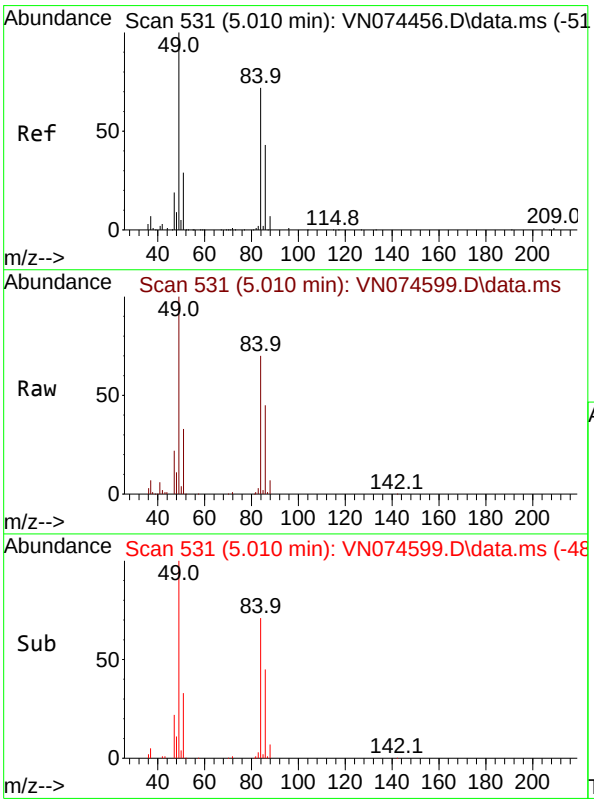
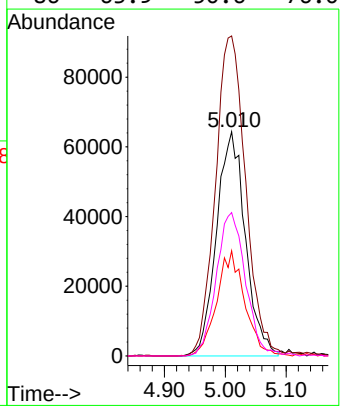
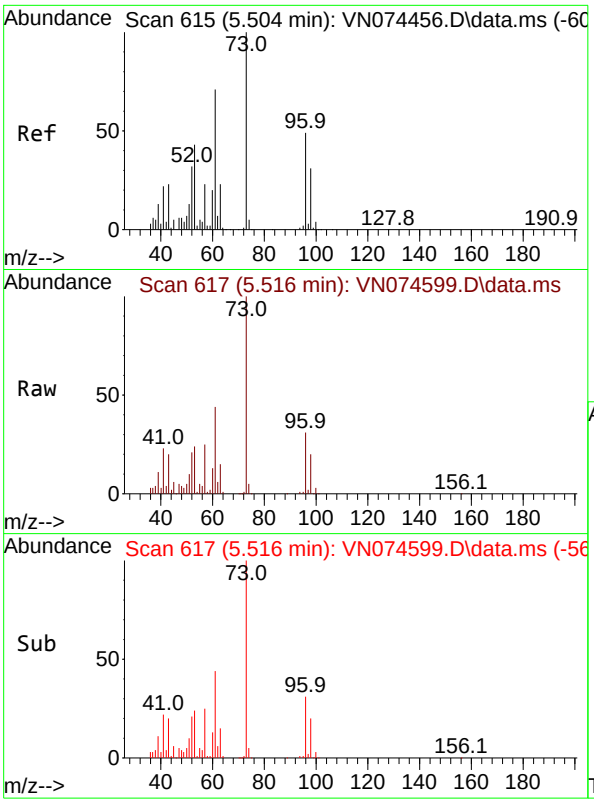


#20
Methylene Chloride
Concen: 51.724 ug/l
RT: 5.010 min Scan# 531
Delta R.T. 0.000 min
Lab File: VN074599.D
Acq: 19 Sep 2022 20:32

Tgt Ion: 84 Resp: 212111

Ion	Ratio	Lower	Upper
84	100		
49	142.8	88.3	132.5#
51	46.9	28.2	42.2#
86	63.9	50.6	76.0

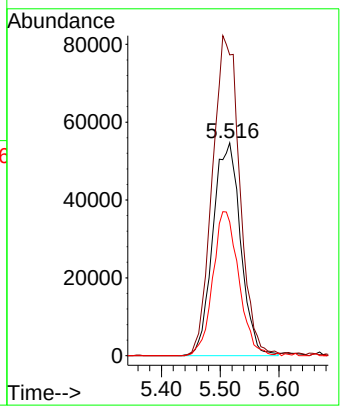




#21
trans-1,2-Dichloroethene
Concen: 49.887 ug/l
RT: 5.516 min Scan# 61
Delta R.T. 0.012 min
Lab File: VN074599.D
Acq: 19 Sep 2022 20:32

Tgt Ion: 96 Resp: 17853

Ion	Ratio	Lower	Upper
96	100		
61	141.4	105.8	158.8
98	62.8	50.3	75.5



Instrument :
MSVOA_N
ClientSampleId :
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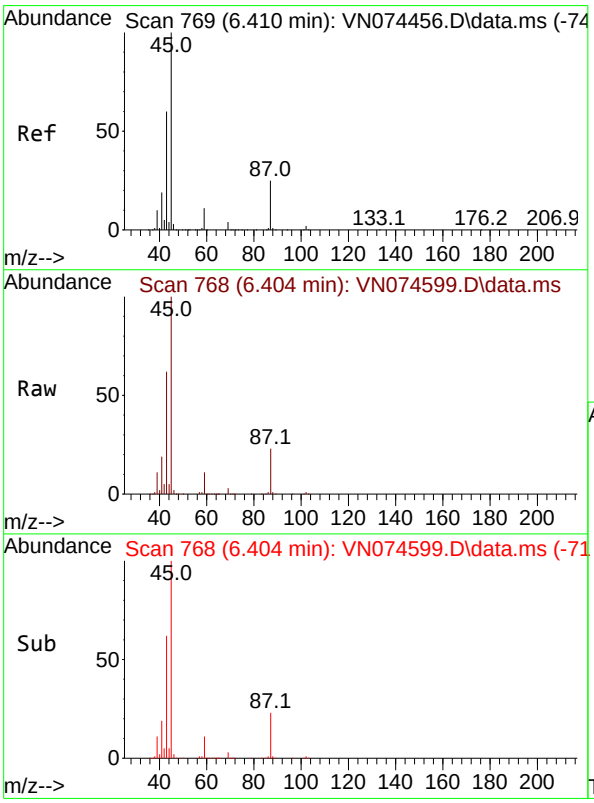
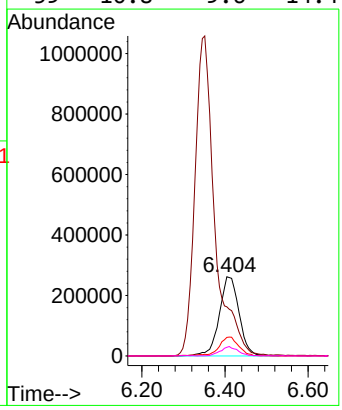
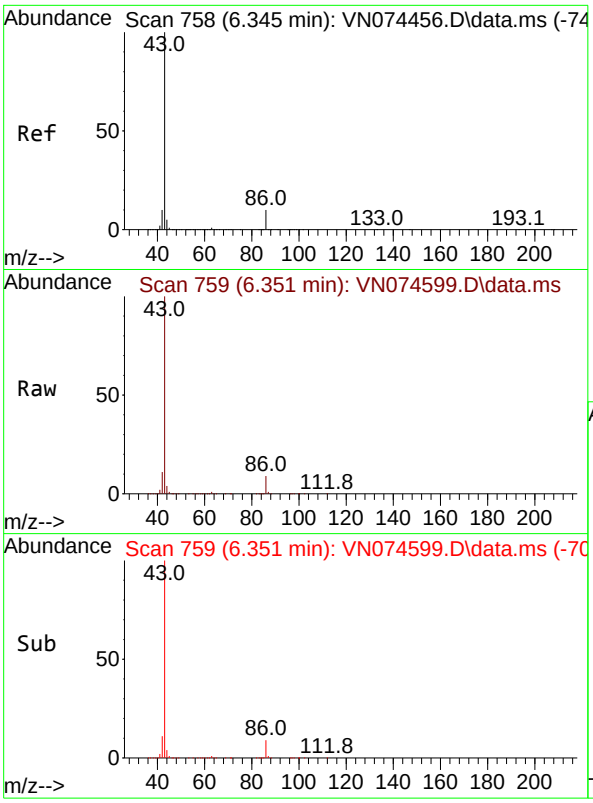


#22
Diisopropyl ether
Concen: 55.536 ug/l
RT: 6.404 min Scan# 768
Delta R.T. -0.006 min
Lab File: VN074599.D
Acq: 19 Sep 2022 20:32

Tgt Ion: 45 Resp: 867620

Ion	Ratio	Lower	Upper
45	100		
43	60.5	46.6	70.0
87	23.5	24.3	36.5#
59	10.8	9.6	14.4

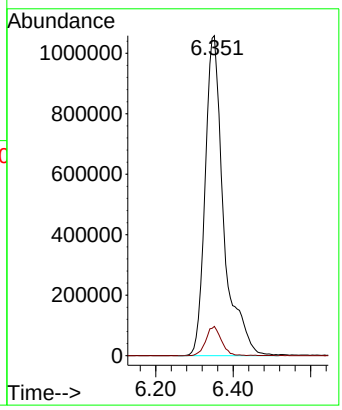




#23
Vinyl Acetate
Concen: 254.982 ug/l
RT: 6.351 min Scan# 7
Delta R.T. 0.006 min
Lab File: VN074599.D
Acq: 19 Sep 2022 20:32

Tgt Ion: 43 Resp: 351346

Ion	Ratio	Lower	Upper
43	100		
86	9.2	10.0	15.0#



Instrument :
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ClientSampleId :
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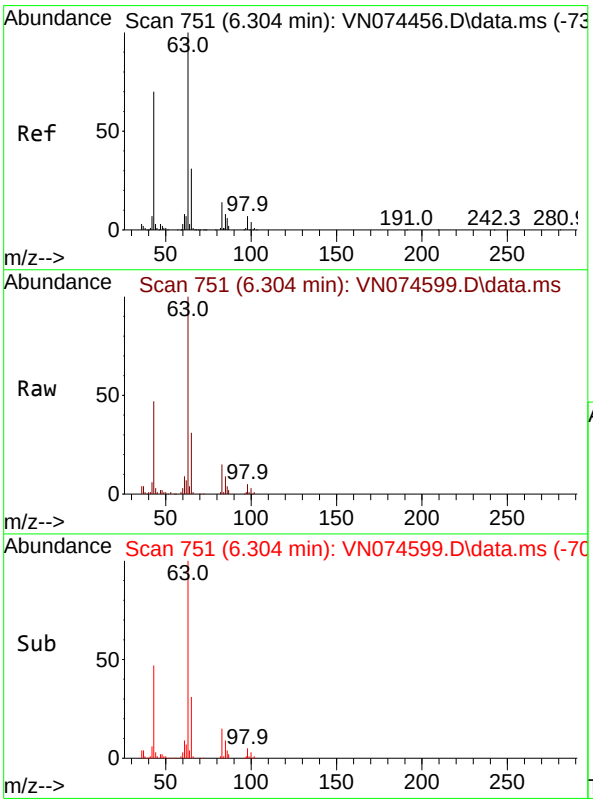
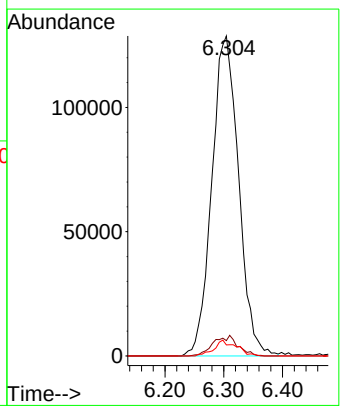
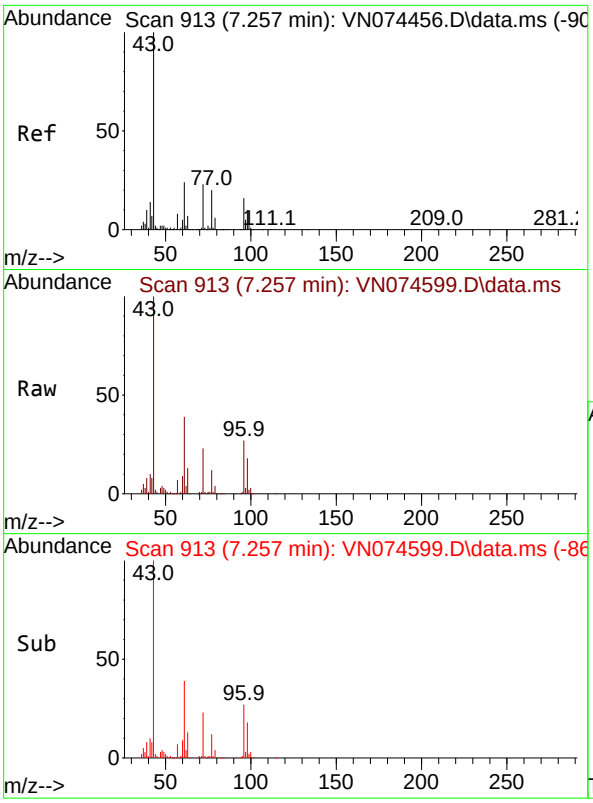


#24
1,1-Dichloroethane
Concen: 52.080 ug/l
RT: 6.304 min Scan# 751
Delta R.T. 0.000 min
Lab File: VN074599.D
Acq: 19 Sep 2022 20:32

Tgt Ion: 63 Resp: 406697

Ion	Ratio	Lower	Upper
63	100		
98	4.8	3.5	10.4
100	3.4	2.3	6.8





#25
2-Butanone
Concen: 304.414 ug/l
RT: 7.257 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN074599.D
Acq: 19 Sep 2022 20:32

Tgt Ion: 43 Resp: 135757

Ion	Ratio	Lower	Upper
43	100		
72	22.9	23.7	35.5#

Instrument :
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ClientSampleId :
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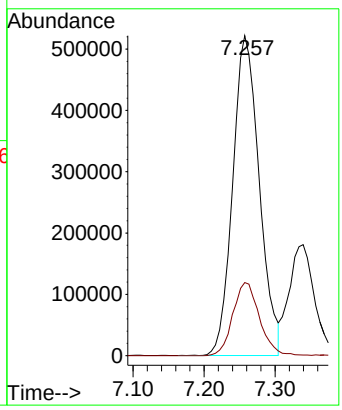
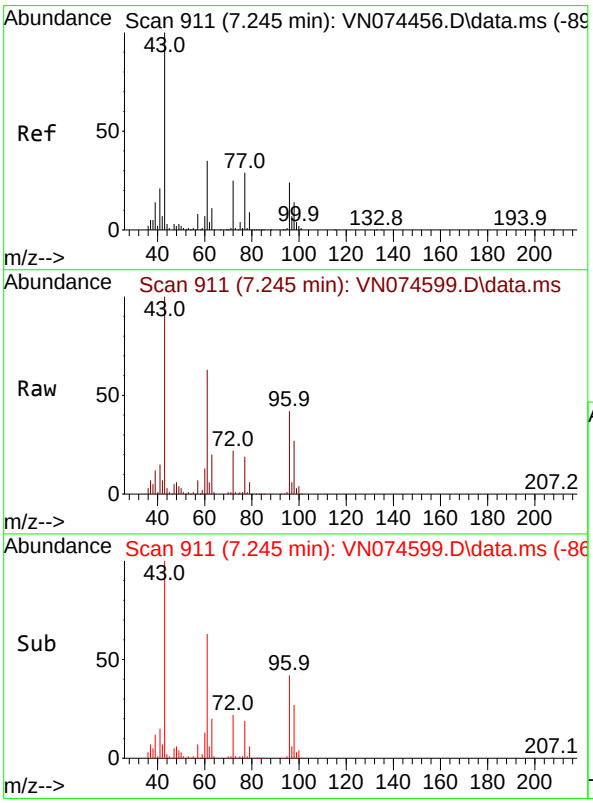
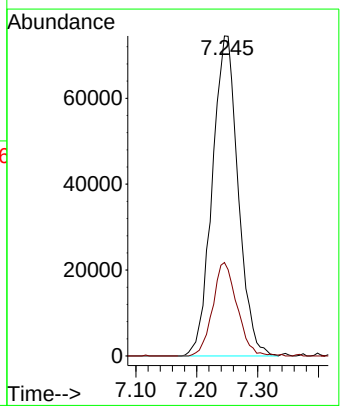


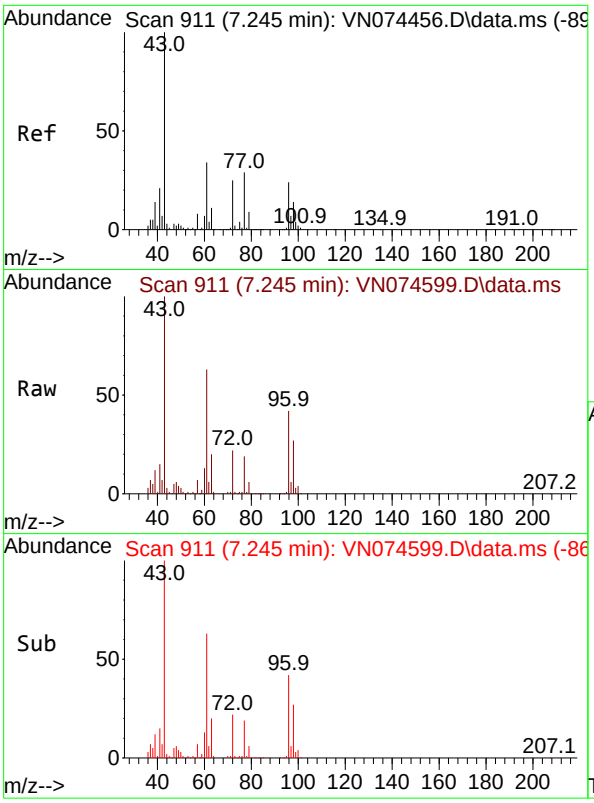


#26
2,2-Dichloropropane
Concen: 32.654 ug/l
RT: 7.245 min Scan# 911
Delta R.T. 0.000 min
Lab File: VN074599.D
Acq: 19 Sep 2022 20:32

Tgt Ion: 77 Resp: 219847

Ion	Ratio	Lower	Upper
77	100		
97	27.6	11.4	34.2

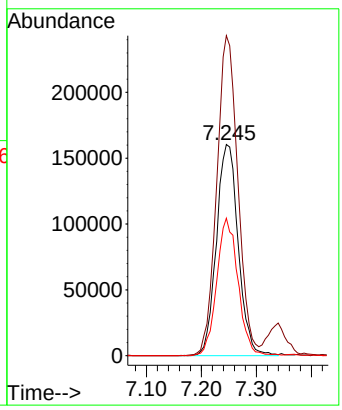




#27
cis-1,2-Dichloroethene
Concen: 96.544 ug/l
RT: 7.245 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN074599.D
Acq: 19 Sep 2022 20:32

Tgt Ion: 96 Resp: 44224

Ion	Ratio	Lower	Upper
96	100		
61	147.2	0.0	280.6
98	63.6	0.0	128.4



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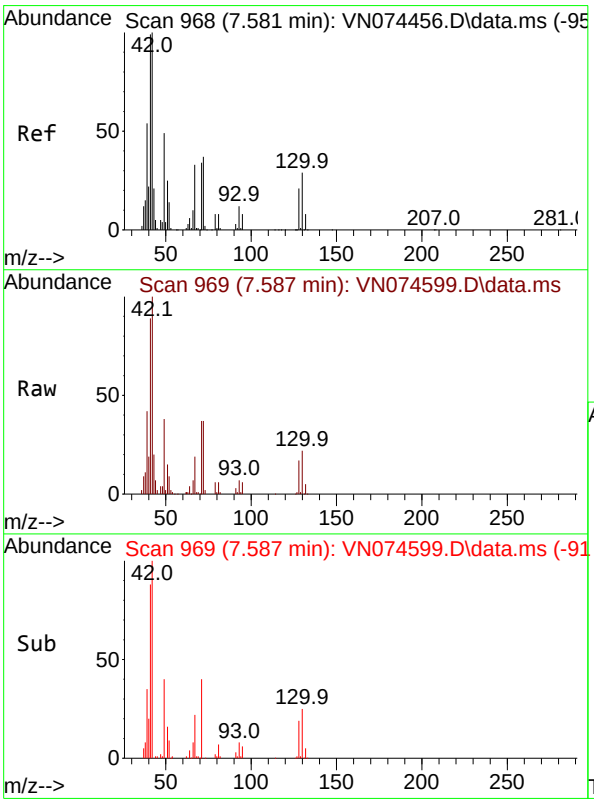
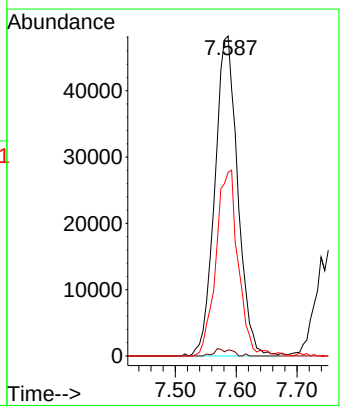
Supervised By :Mahesh Dadoda 09/21/2022

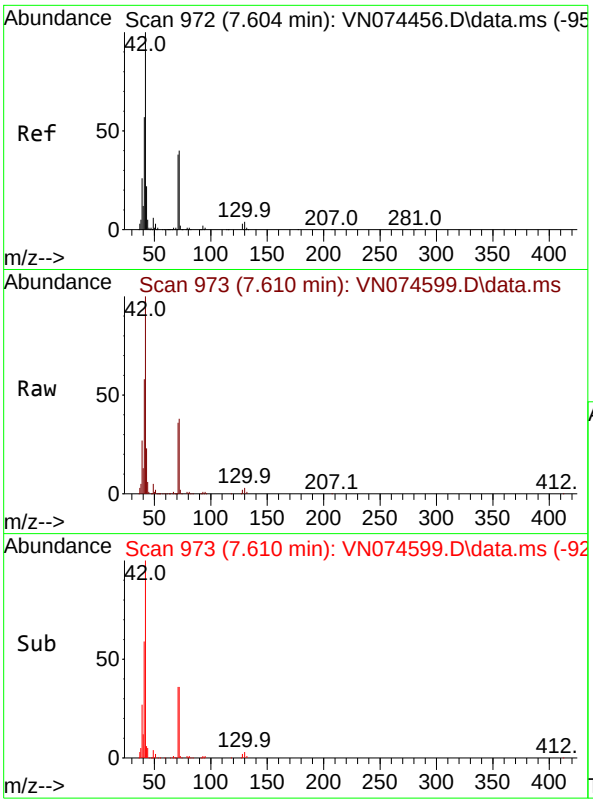


#28
Bromochloromethane
Concen: 54.886 ug/l
RT: 7.587 min Scan# 969
Delta R.T. 0.006 min
Lab File: VN074599.D
Acq: 19 Sep 2022 20:32

Tgt Ion: 49 Resp: 126215

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.6
130	56.3	69.7	104.5#

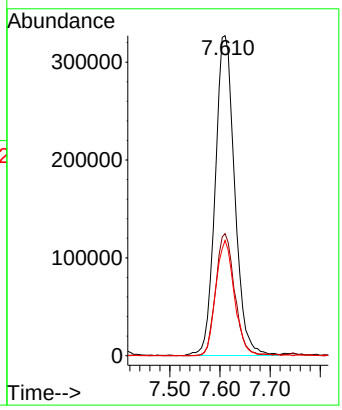




#29
Tetrahydrofuran
Concen: 301.504 ug/l
RT: 7.610 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN074599.D
Acq: 19 Sep 2022 20:32

Tgt Ion: 42 Resp: 88405

Ion	Ratio	Lower	Upper
42	100		
72	36.9	39.7	59.5#
71	34.7	36.6	55.0#



Instrument :
MSVOA_N
ClientSampleId :
1035-MW-02(23.8)MSD

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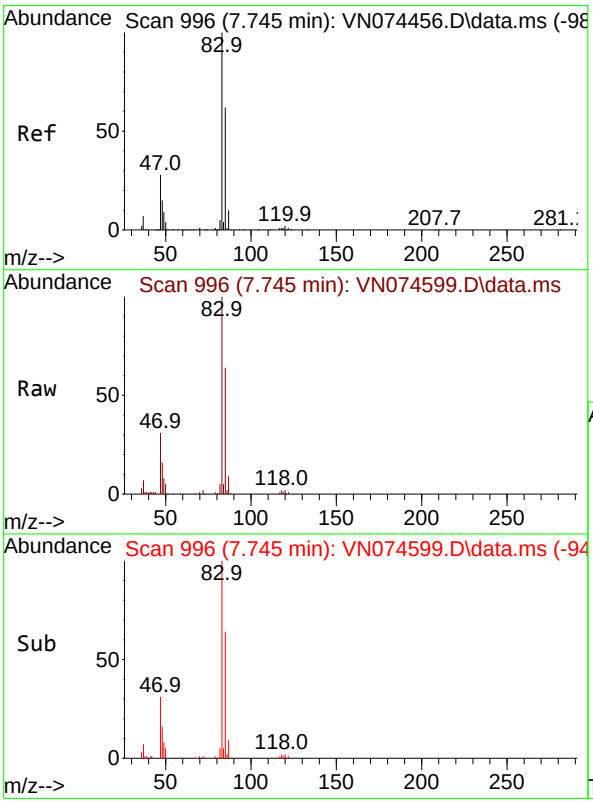
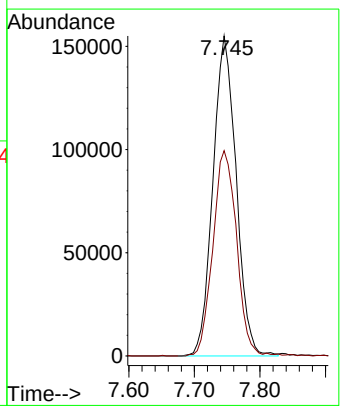
Supervised By :Mahesh Dadoda 09/21/2022

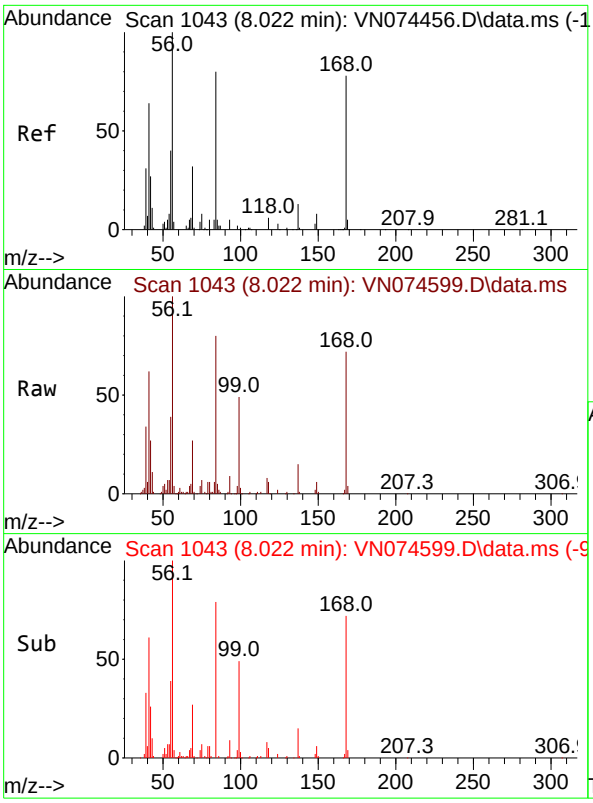


#30
Chloroform
Concen: 52.745 ug/l
RT: 7.745 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN074599.D
Acq: 19 Sep 2022 20:32

Tgt Ion: 83 Resp: 380171

Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.8	77.8

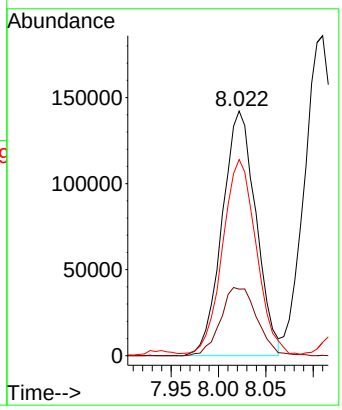




#31
Cyclohexane
Concen: 47.396 ug/l
RT: 8.022 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074599.D
Acq: 19 Sep 2022 20:32

Tgt Ion: 56 Resp: 35313

Ion	Ratio	Lower	Upper
56	100		
69	27.2	27.8	41.8
84	79.3	76.9	115.3



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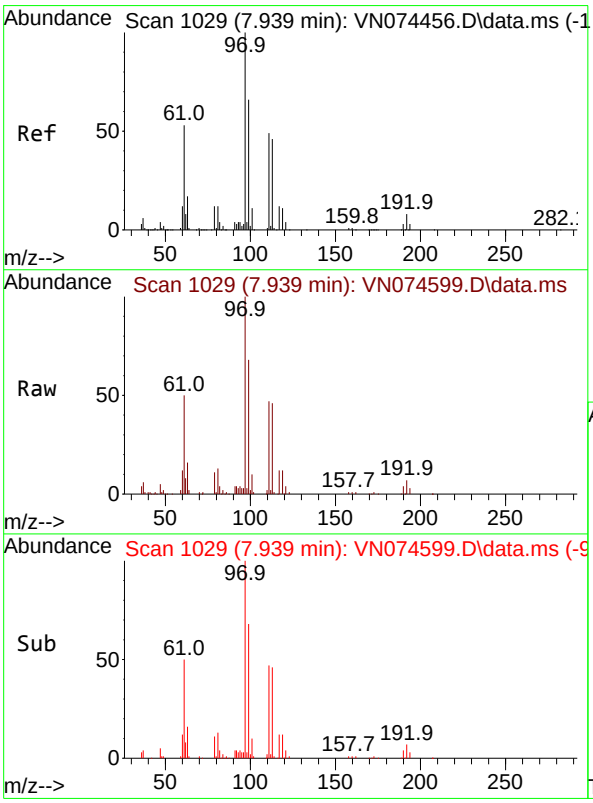
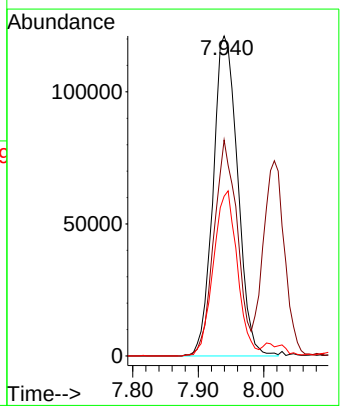
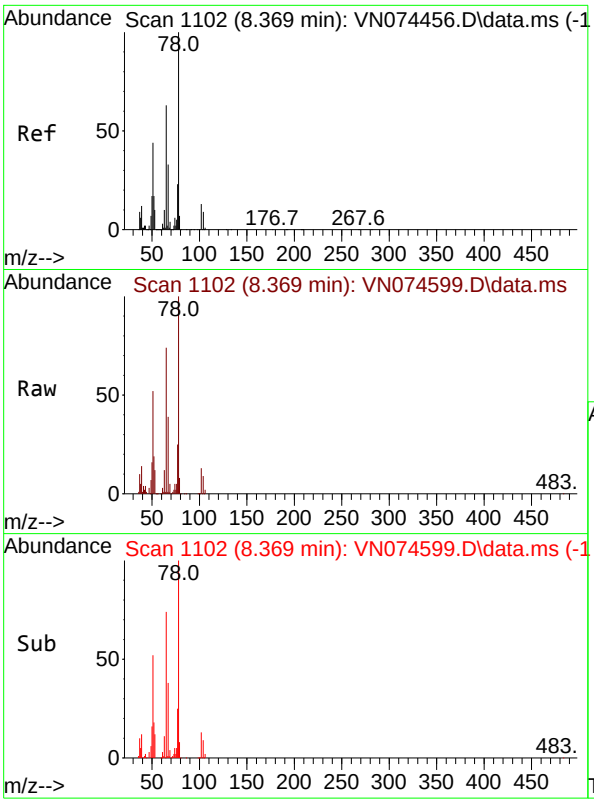


#32
1,1,1-Trichloroethane
Concen: 49.818 ug/l
RT: 7.939 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VN074599.D
Acq: 19 Sep 2022 20:32

Tgt Ion: 97 Resp: 314930

Ion	Ratio	Lower	Upper
97	100		
99	64.3	50.6	76.0
61	50.5	36.0	54.0

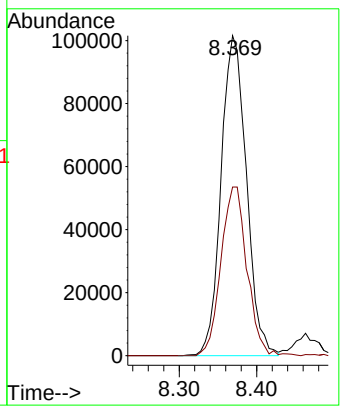




#33
1,2-Dichloroethane-d4
Concen: 54.995 ug/l
RT: 8.369 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN074599.D
Acq: 19 Sep 2022 20:32

Tgt Ion: 65 Resp: 23084

Ion	Ratio	Lower	Upper
65	100		
67	54.2	0.0	104.8



Instrument :
MSVOA_N
ClientSampleId :
1035-MW-02(23.8)MSD

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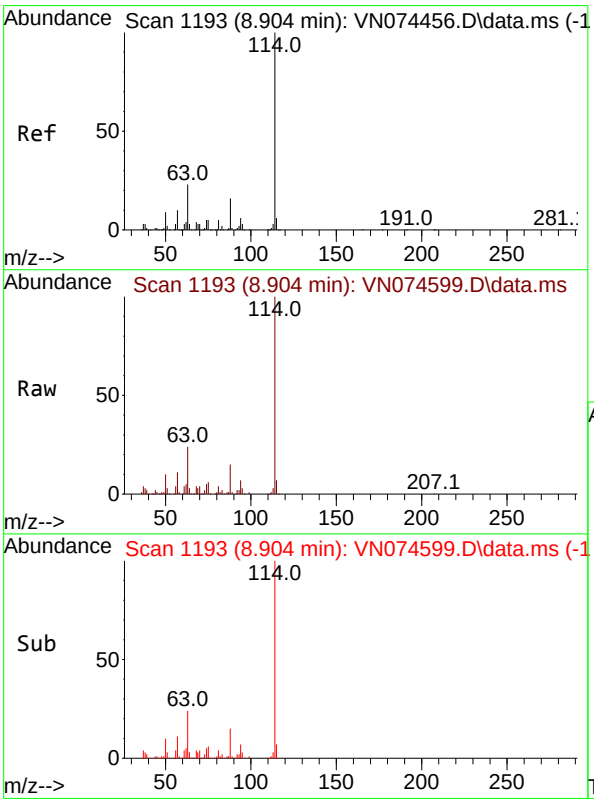
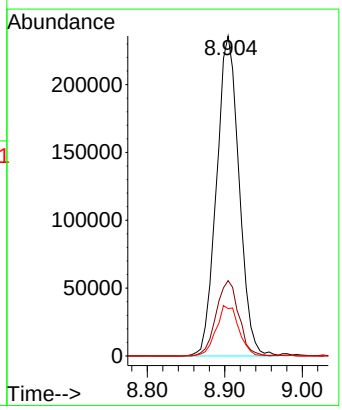
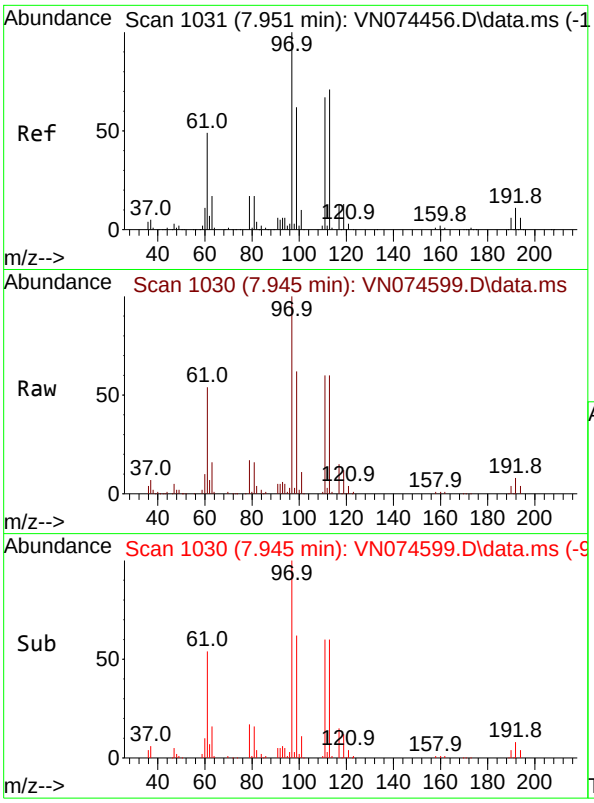


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VN074599.D
Acq: 19 Sep 2022 20:32

Tgt Ion:114 Resp: 478114

Ion	Ratio	Lower	Upper
114	100		
63	23.5	0.0	40.0
88	14.8	0.0	32.6

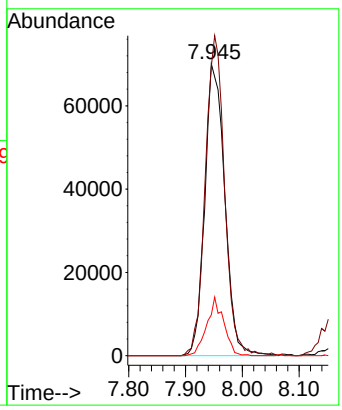




#35
Dibromofluoromethane
Concen: 53.872 ug/l
RT: 7.945 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN074599.D
Acq: 19 Sep 2022 20:32

Tgt Ion:113 Resp: 171098

Ion	Ratio	Lower	Upper
113	100		
111	105.6	81.4	122.0
192	17.0	17.0	25.6



Instrument :
MSVOA_N
ClientSampleId :
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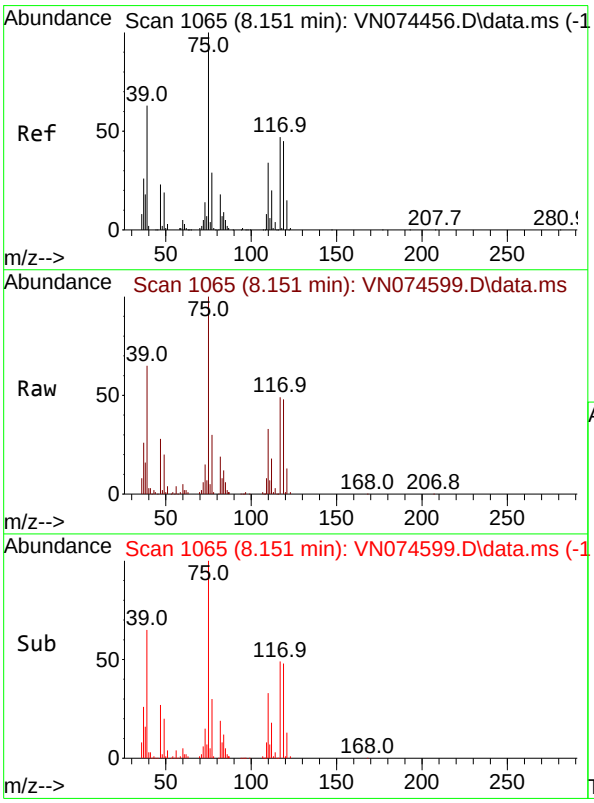
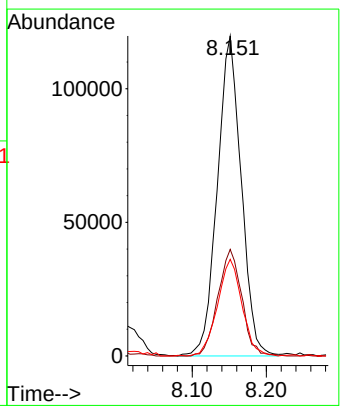
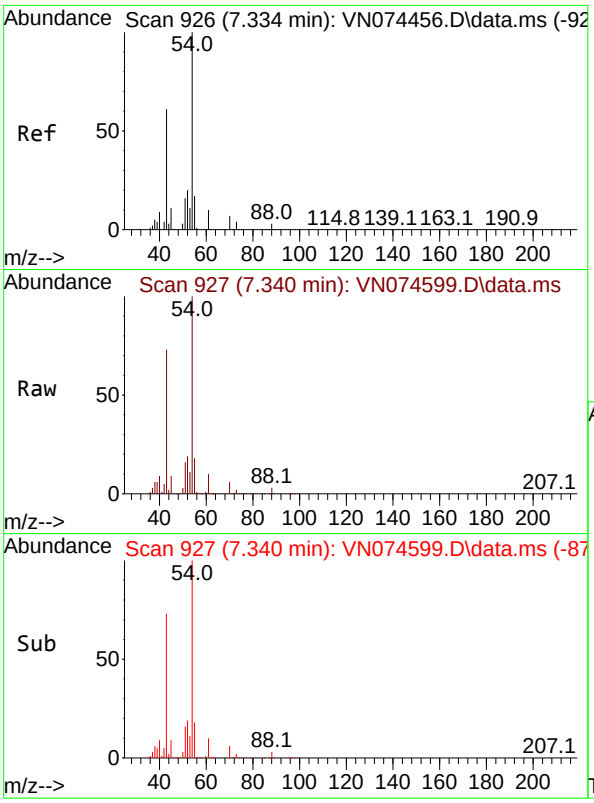


#36
1,1-Dichloropropene
Concen: 47.714 ug/l
RT: 8.151 min Scan# 1065
Delta R.T. 0.000 min
Lab File: VN074599.D
Acq: 19 Sep 2022 20:32

Tgt Ion: 75 Resp: 268234

Ion	Ratio	Lower	Upper
75	100		
110	33.2	18.3	54.8
77	30.9	25.1	37.7





#37
Ethyl Acetate
Concen: 53.867 ug/l
RT: 7.340 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN074599.D
Acq: 19 Sep 2022 20:32

Tgt Ion: 43 Resp: 46765

Ion	Ratio	Lower	Upper
43	100		
61	12.5	11.8	17.6
70	7.8	9.3	13.9

Instrument :
MSVOA_N
ClientSampleId :
1035-MW-02(23.8)MSD

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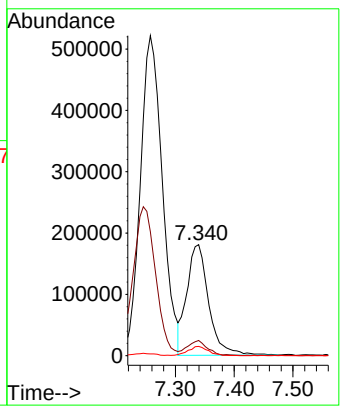
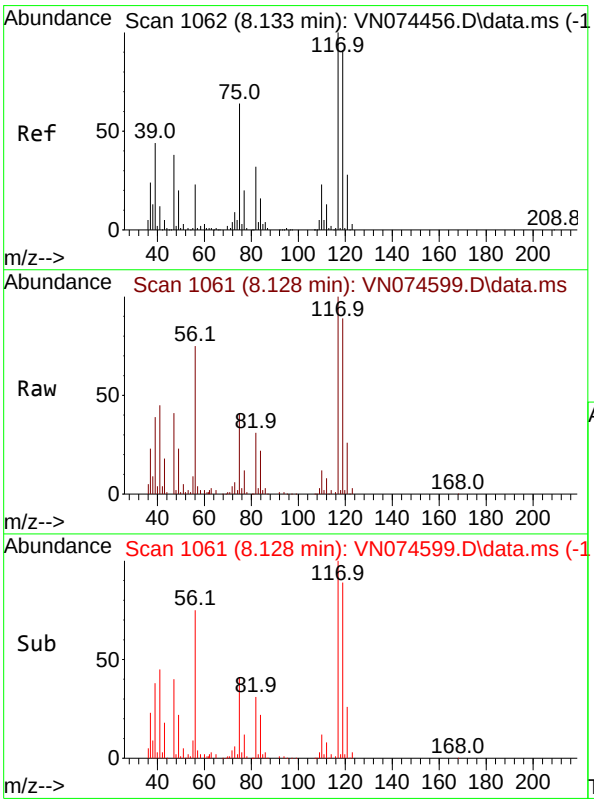
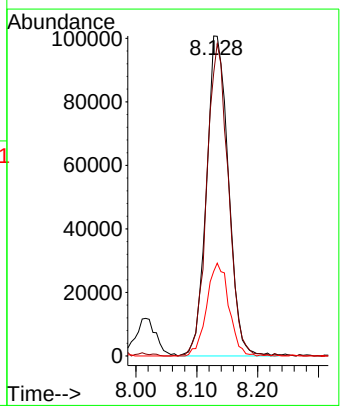


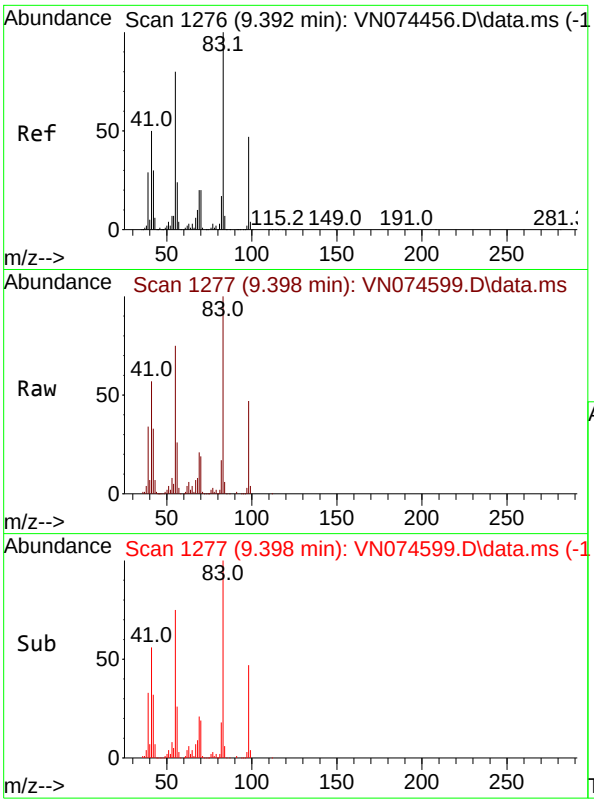


#38
Carbon Tetrachloride
Concen: 48.734 ug/l
RT: 8.128 min Scan# 1061
Delta R.T. -0.005 min
Lab File: VN074599.D
Acq: 19 Sep 2022 20:32

Tgt Ion:117 Resp: 252949

Ion	Ratio	Lower	Upper
117	100		
119	88.5	75.8	113.8
121	26.5	24.6	37.0

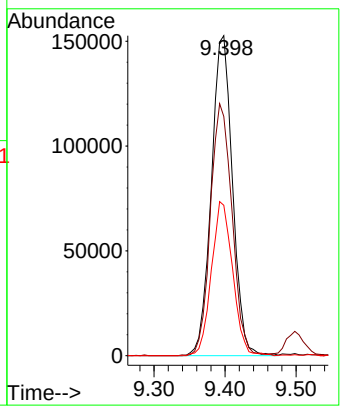




#39
Methylcyclohexane
Concen: 47.134 ug/l
RT: 9.398 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN074599.D
Acq: 19 Sep 2022 20:32

Tgt Ion: 83 Resp: 31507

Ion	Ratio	Lower	Upper
83	100		
55	74.8	57.8	86.8
98	47.0	39.4	59.2



Instrument :
MSVOA_N
ClientSampleId :
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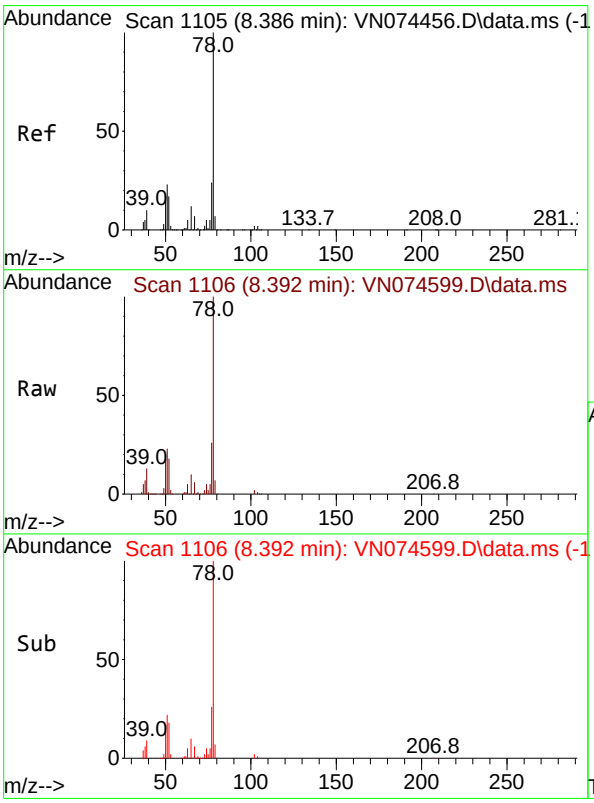
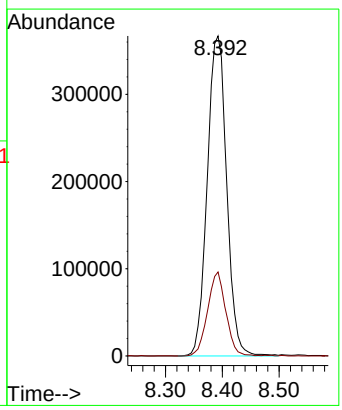
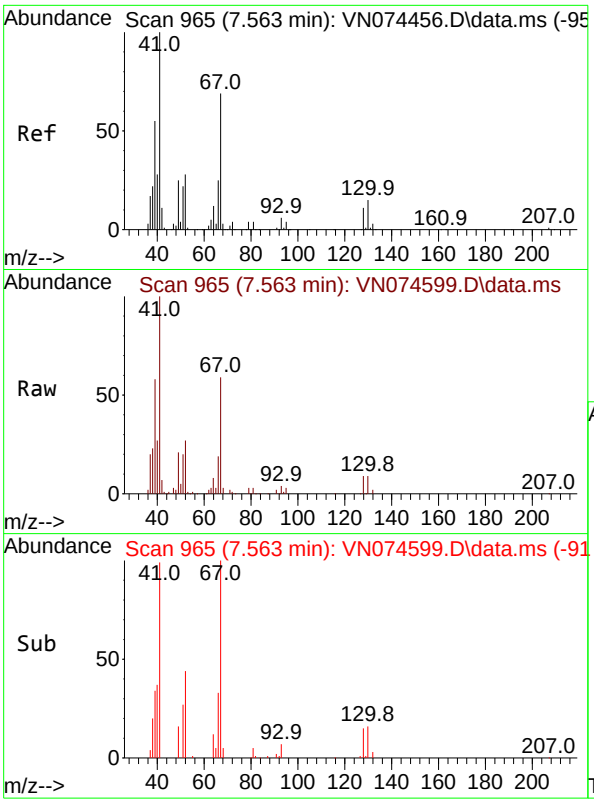


#40
Benzene
Concen: 50.044 ug/l
RT: 8.392 min Scan# 1106
Delta R.T. 0.006 min
Lab File: VN074599.D
Acq: 19 Sep 2022 20:32

Tgt Ion: 78 Resp: 869948

Ion	Ratio	Lower	Upper
78	100		
77	26.3	19.4	29.0

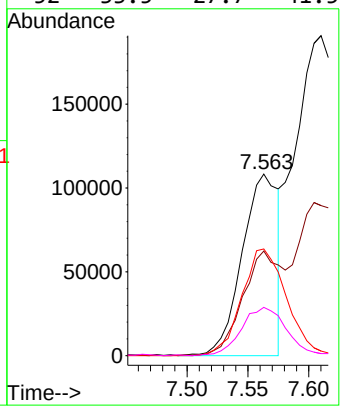




#41
Methacrylonitrile
Concen: 53.360 ug/l
RT: 7.563 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN074599.D
Acq: 19 Sep 2022 20:32

Tgt Ion: 41 Resp: 22396

Ion	Ratio	Lower	Upper
41	100		
39	63.8	48.6	73.0
67	73.0	73.4	110.2
52	33.5	27.7	41.5



Instrument :
MSVOA_N
ClientSampleId :
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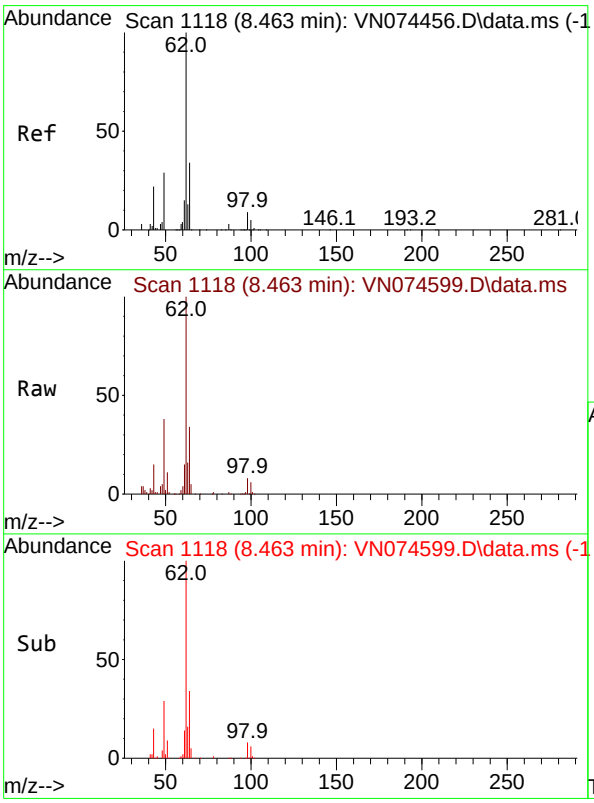
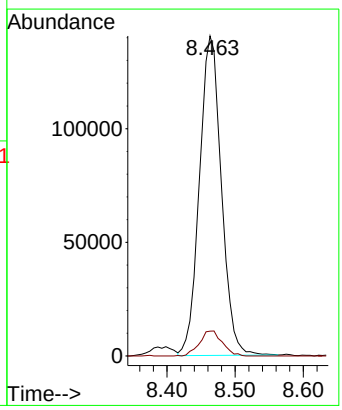
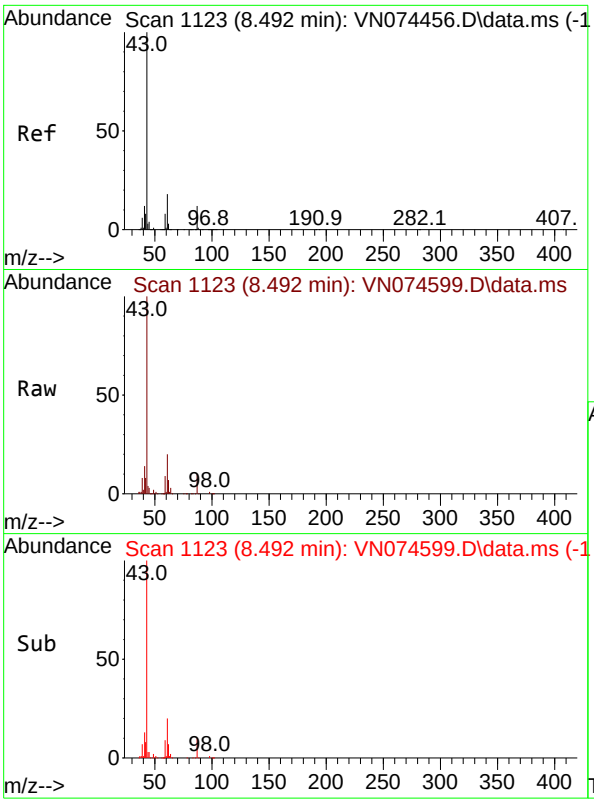


#42
1,2-Dichloroethane
Concen: 52.706 ug/l
RT: 8.463 min Scan# 1118
Delta R.T. 0.000 min
Lab File: VN074599.D
Acq: 19 Sep 2022 20:32

Tgt Ion: 62 Resp: 314421

Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	19.4

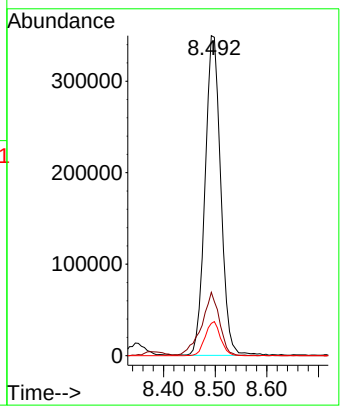




#43
Isopropyl Acetate
Concen: 54.146 ug/l
RT: 8.492 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074599.D
Acq: 19 Sep 2022 20:32

Tgt Ion: 43 Resp: 73633

Ion	Ratio	Lower	Upper
43	100		
61	22.6	21.9	32.9
87	10.4	12.0	18.0



Instrument :
MSVOA_N
ClientSampleId :
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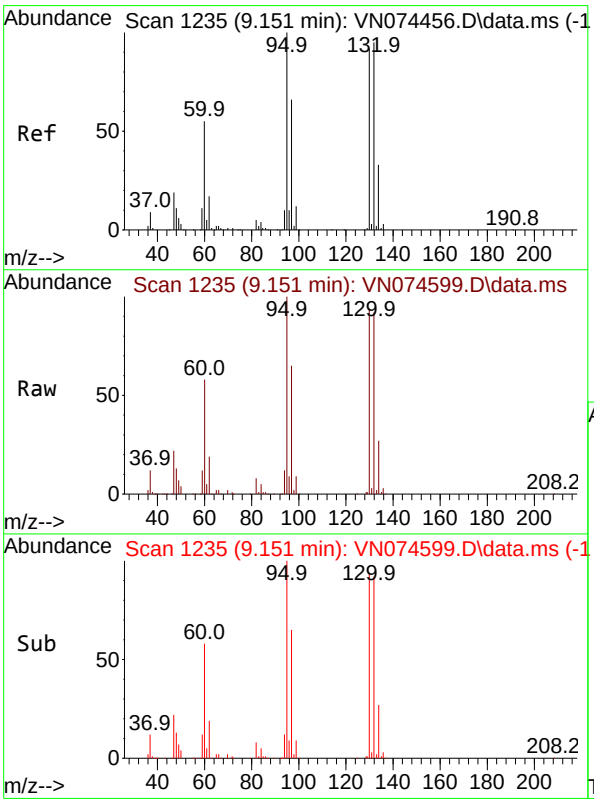
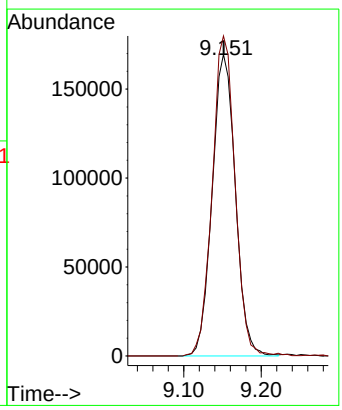
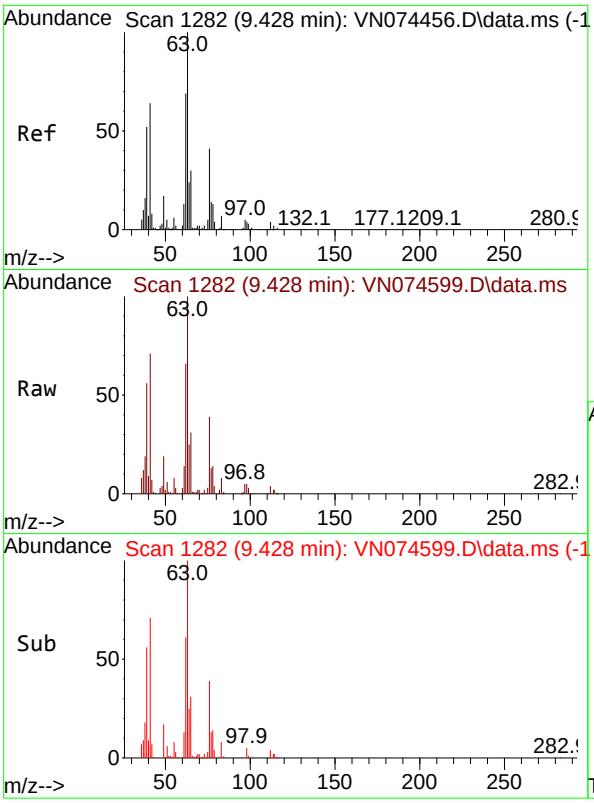


#44
Trichloroethene
Concen: 93.641 ug/l
RT: 9.151 min Scan# 1235
Delta R.T. 0.000 min
Lab File: VN074599.D
Acq: 19 Sep 2022 20:32

Tgt Ion:130 Resp: 352240

Ion	Ratio	Lower	Upper
130	100		
95	106.1	0.0	186.8





#45
1,2-Dichloropropane
Concen: 52.298 ug/l
RT: 9.428 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074599.D
Acq: 19 Sep 2022 20:32

Tgt Ion: 63 Resp: 24985

Ion	Ratio	Lower	Upper
63	100		
65	31.4	24.9	37.3

Instrument :
MSVOA_N
ClientSampleId :
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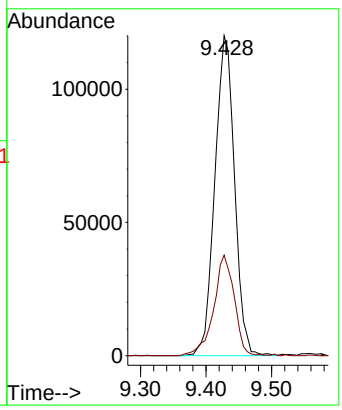
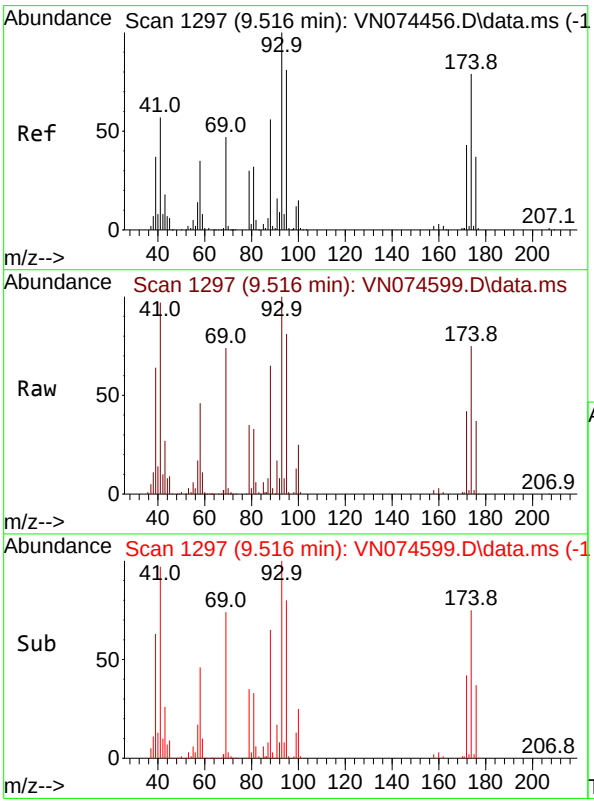
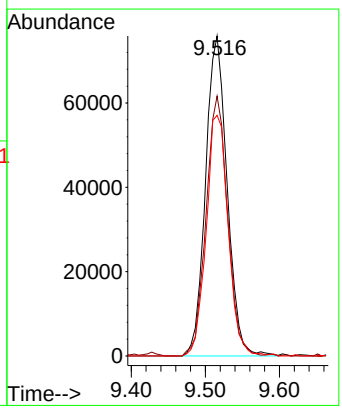


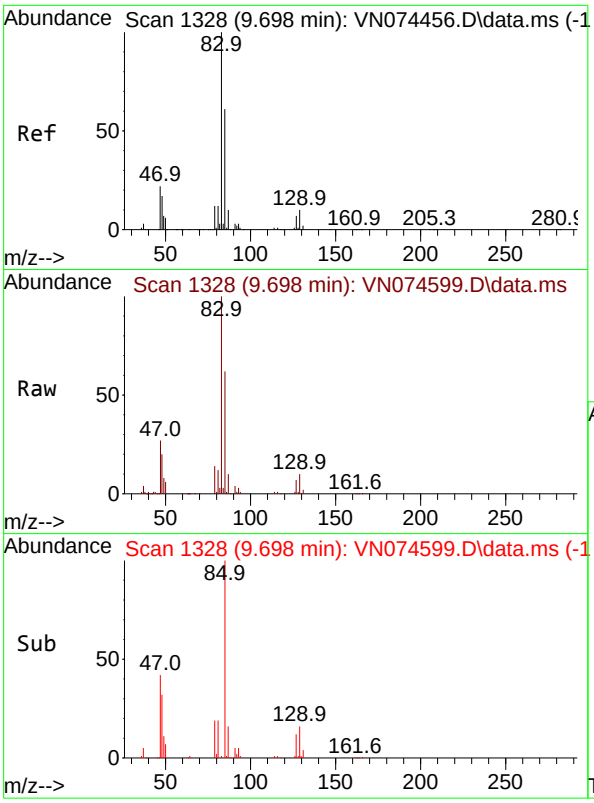


#46
Dibromomethane
Concen: 51.244 ug/l
RT: 9.516 min Scan# 1297
Delta R.T. -0.000 min
Lab File: VN074599.D
Acq: 19 Sep 2022 20:32

Tgt Ion: 93 Resp: 153330

Ion	Ratio	Lower	Upper
93	100		
95	81.3	66.9	100.3
174	76.6	86.6	130.0#

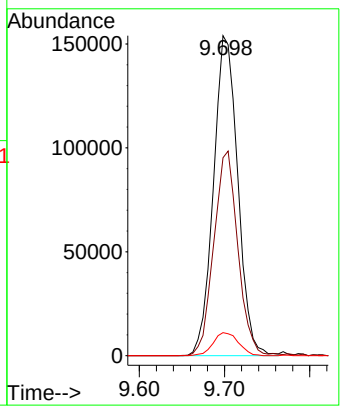




#47
Bromodichloromethane
Concen: 52.118 ug/l
RT: 9.698 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074599.D
Acq: 19 Sep 2022 20:32

Tgt Ion: 83 Resp: 30573

Ion	Ratio	Lower	Upper
83	100		
85	61.8	50.5	75.7
127	7.2	6.8	10.2



Instrument :
MSVOA_N
ClientSampleId :
1035-MW-02(23.8)MSD

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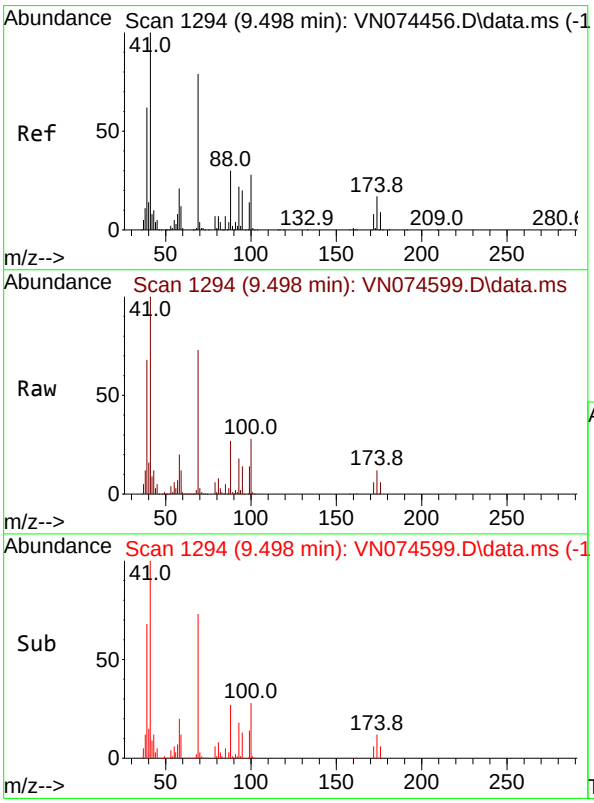
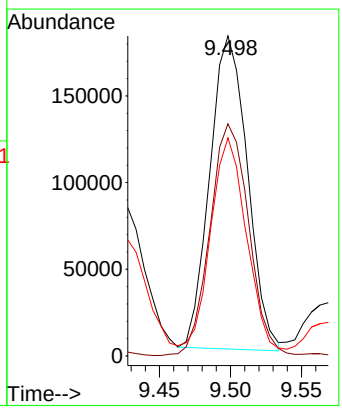
Supervised By :Mahesh Dadoda 09/21/2022

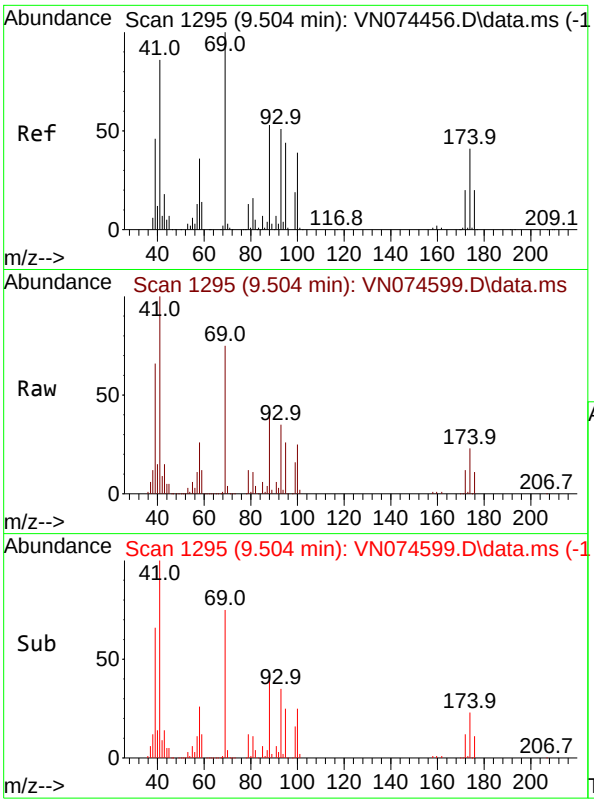


#48
Methyl methacrylate
Concen: 55.126 ug/l
RT: 9.498 min Scan# 1294
Delta R.T. 0.000 min
Lab File: VN074599.D
Acq: 19 Sep 2022 20:32

Tgt Ion: 41 Resp: 332402

Ion	Ratio	Lower	Upper
41	100		
69	76.2	74.7	112.1
39	67.9	45.6	68.4

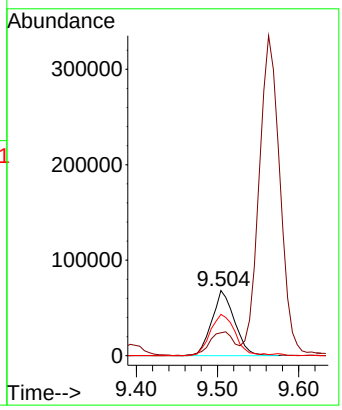




#49
1,4-Dioxane
Concen: 1141.306 ug/l
RT: 9.504 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074599.D
Acq: 19 Sep 2022 20:32

Tgt Ion: 88 Resp: 13231

Ion	Ratio	Lower	Upper
88	100		
43	39.9	20.2	30.4
58	69.9	54.2	81.4



Instrument :
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ClientSampleId :
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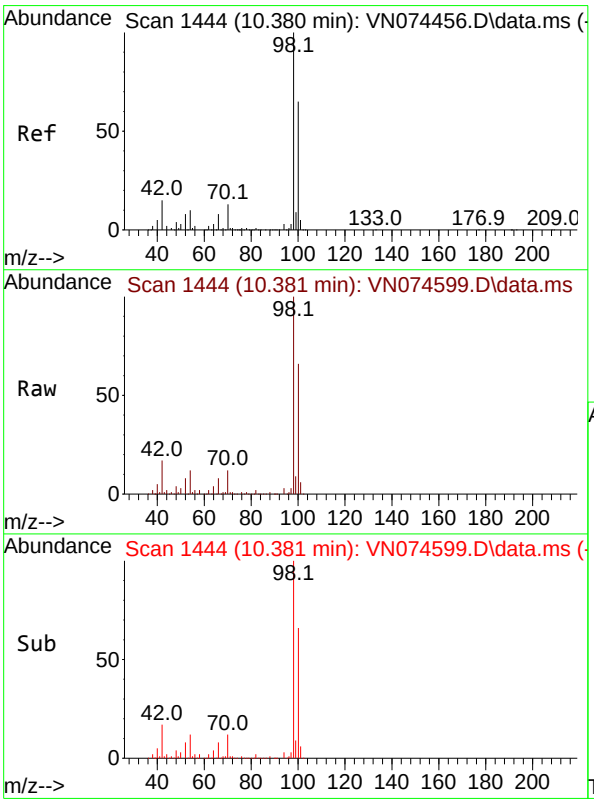
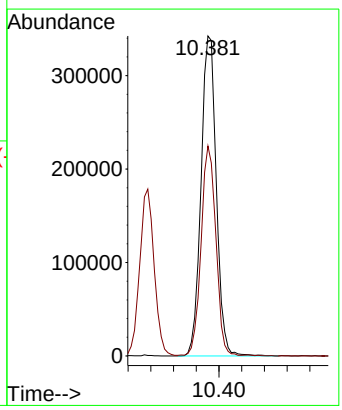
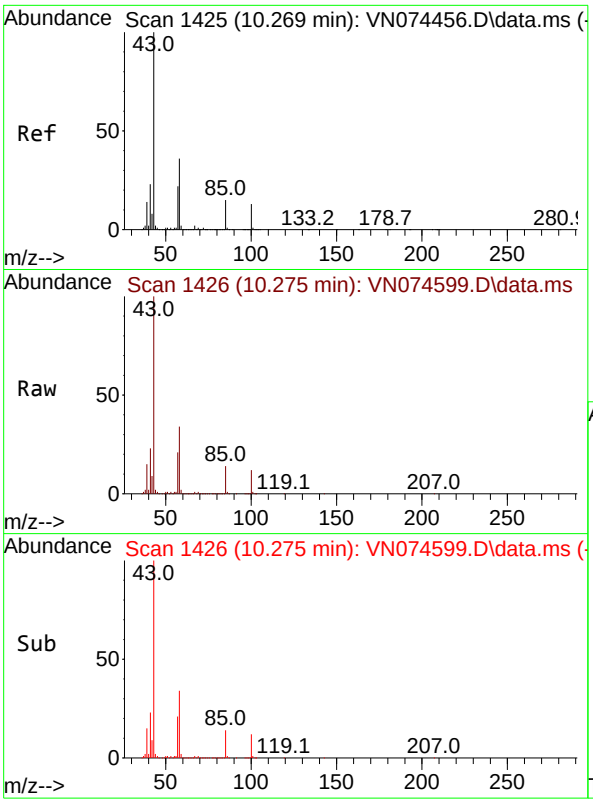


#50
Toluene-d8
Concen: 51.963 ug/l
RT: 10.381 min Scan# 1444
Delta R.T. 0.001 min
Lab File: VN074599.D
Acq: 19 Sep 2022 20:32

Tgt Ion: 98 Resp: 638251

Ion	Ratio	Lower	Upper
98	100		
100	62.9	52.6	78.8

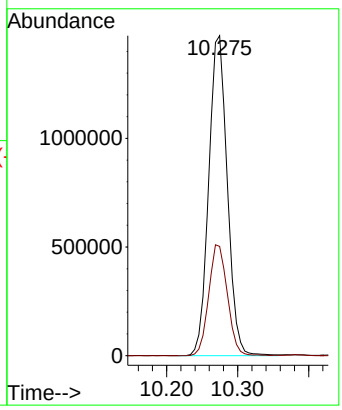




#51
4-Methyl-2-Pentanone
Concen: 300.779 ug/l
RT: 10.275 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN074599.D
Acq: 19 Sep 2022 20:32

Tgt Ion: 43 Resp: 267105

Ion	Ratio	Lower	Upper
43	100		
58	34.9	34.1	51.1



Instrument :
MSVOA_N
ClientSampleId :
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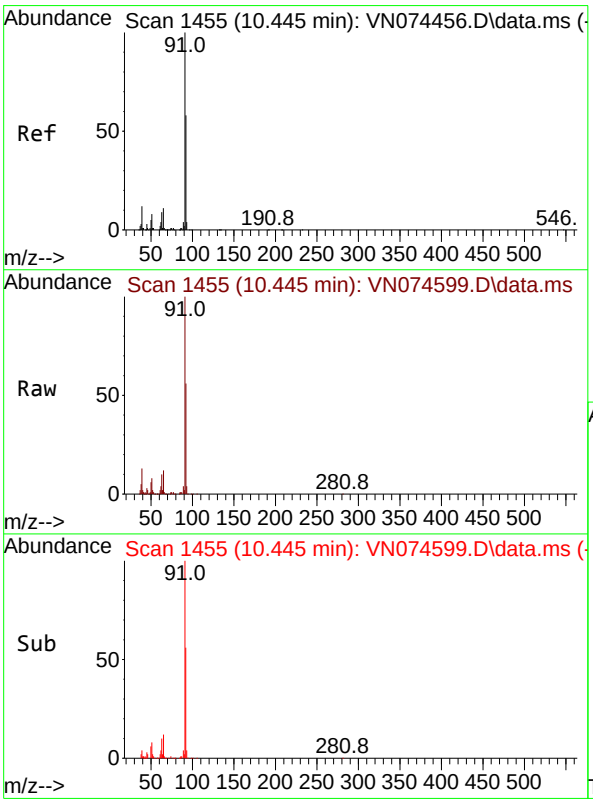
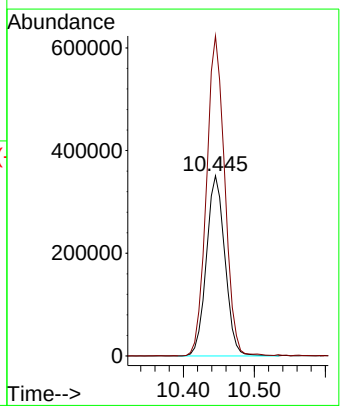
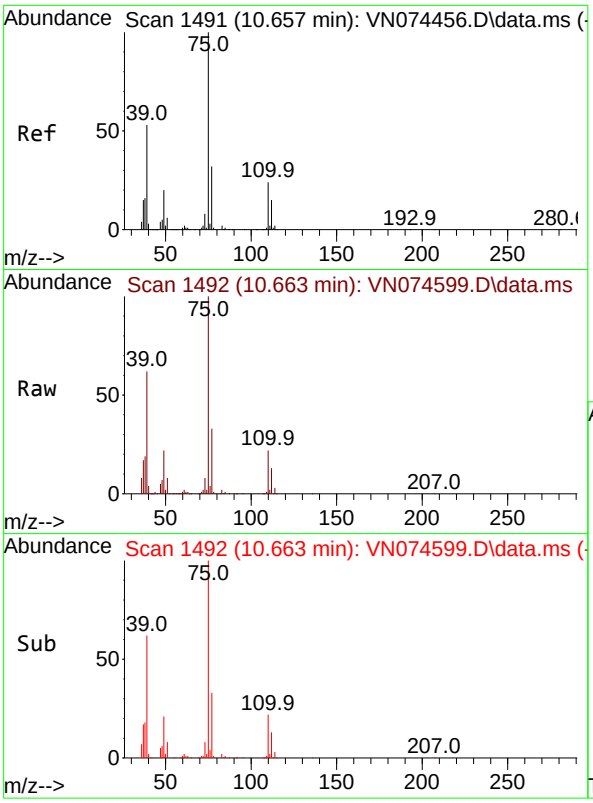


#52
Toluene
Concen: 62.319 ug/l
RT: 10.445 min Scan# 1455
Delta R.T. 0.000 min
Lab File: VN074599.D
Acq: 19 Sep 2022 20:32

Tgt Ion: 92 Resp: 635268

Ion	Ratio	Lower	Upper
92	100		
91	175.1	138.6	207.8

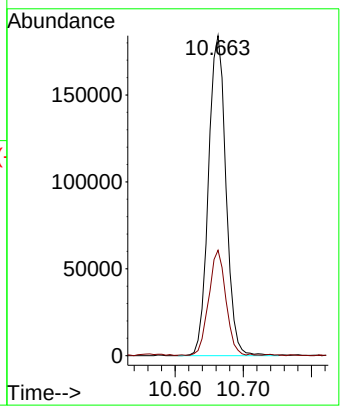




#53
t-1,3-Dichloropropene
Concen: 48.088 ug/l
RT: 10.663 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN074599.D
Acq: 19 Sep 2022 20:32

Tgt Ion: 75 Resp: 32877

Ion	Ratio	Lower	Upper
75	100		
77	32.8	25.6	38.4



Instrument :
MSVOA_N
ClientSampleId :
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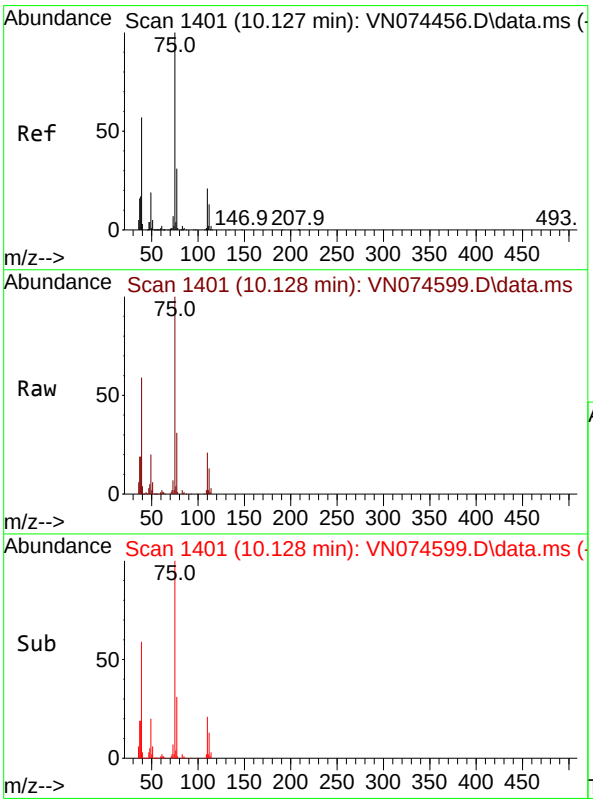
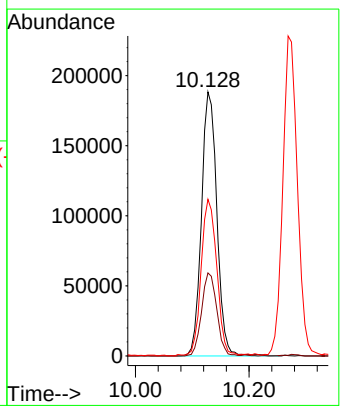
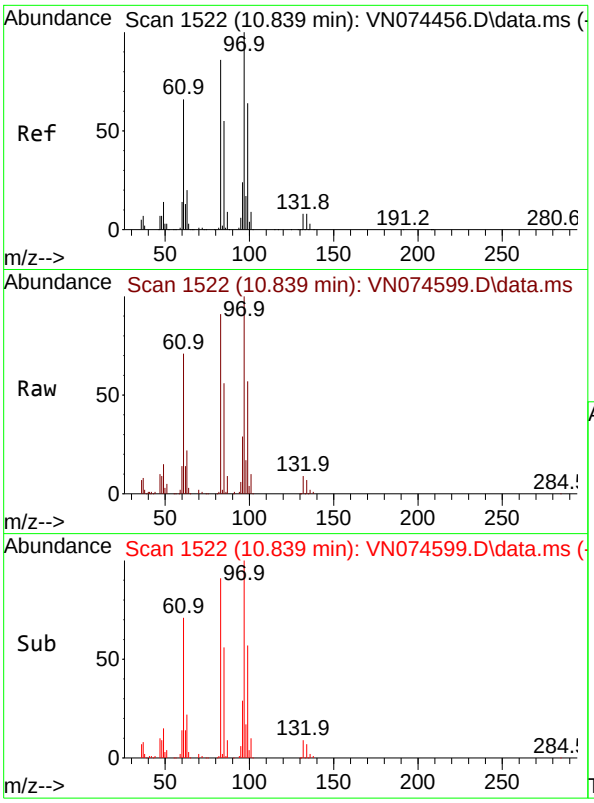


#54
cis-1,3-Dichloropropene
Concen: 48.414 ug/l
RT: 10.128 min Scan# 1401
Delta R.T. 0.001 min
Lab File: VN074599.D
Acq: 19 Sep 2022 20:32

Tgt Ion: 75 Resp: 354229

Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.2	37.8
39	58.8	35.7	53.5#

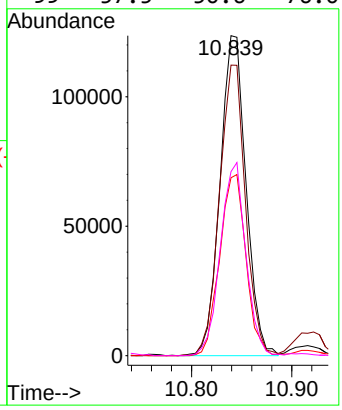




#55
1,1,2-Trichloroethane
Concen: 51.447 ug/l
RT: 10.839 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074599.D
Acq: 19 Sep 2022 20:32

Tgt Ion: 97 Resp: 22214

Ion	Ratio	Lower	Upper
97	100		
83	90.8	66.2	99.4
85	55.6	43.9	65.9
99	57.5	50.6	76.0



Instrument :
MSVOA_N
ClientSampleId :
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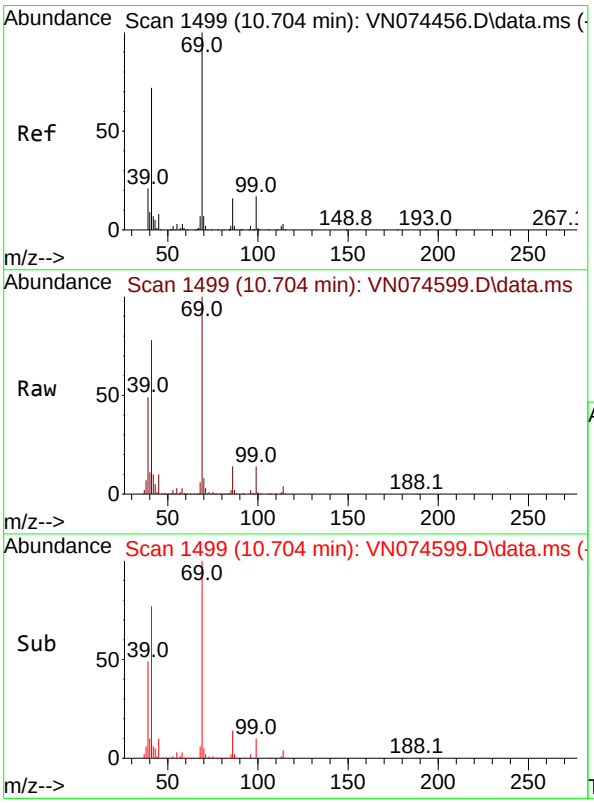
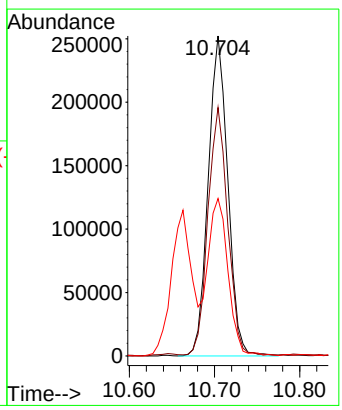
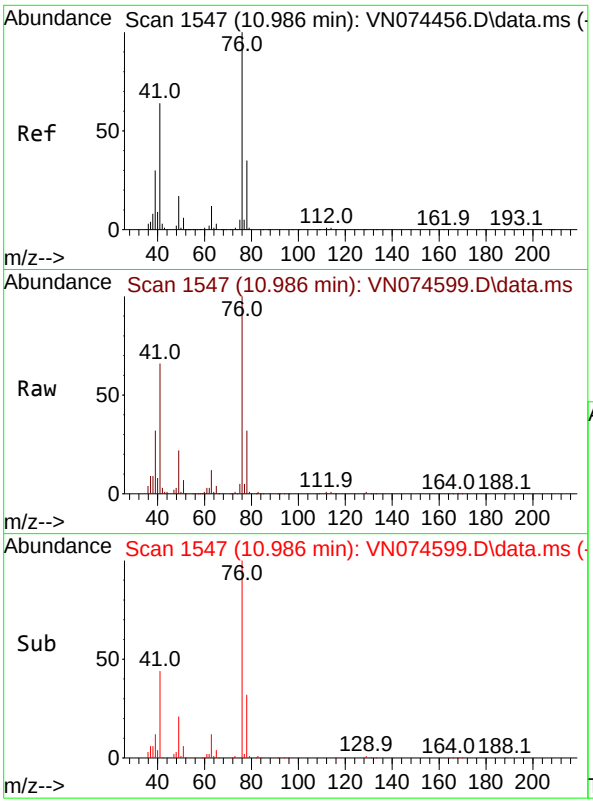


#56
Ethyl methacrylate
Concen: 52.280 ug/l
RT: 10.704 min Scan# 1499
Delta R.T. 0.000 min
Lab File: VN074599.D
Acq: 19 Sep 2022 20:32

Tgt Ion: 69 Resp: 403233

Ion	Ratio	Lower	Upper
69	100		
41	78.0	47.8	71.6#
39	51.5	27.3	40.9#

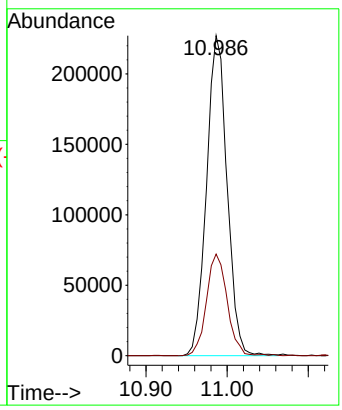




#57
1,3-Dichloropropane
Concen: 52.662 ug/l
RT: 10.986 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074599.D
Acq: 19 Sep 2022 20:32

Tgt Ion: 76 Resp: 39868

Ion	Ratio	Lower	Upper
76	100		
78	32.2	26.2	39.2



Instrument :
MSVOA_N
ClientSampleId :
1035-MW-02(23.8)MSD

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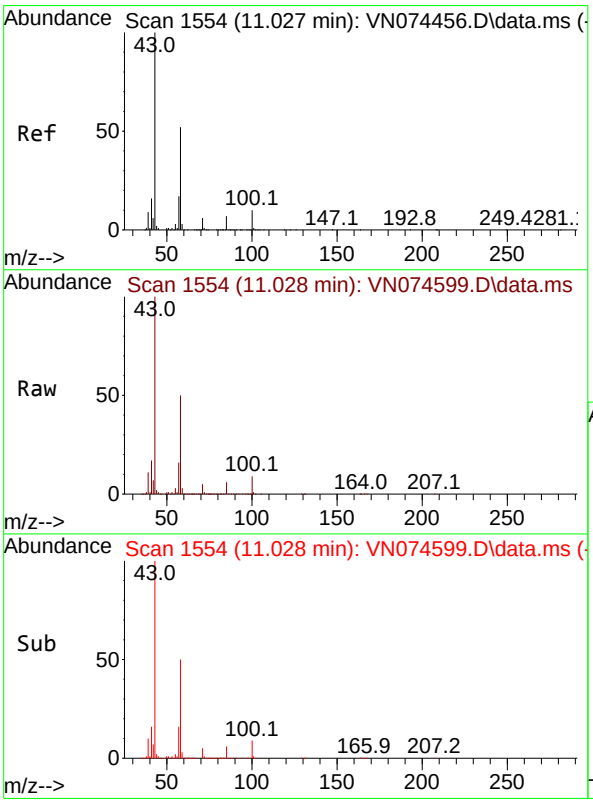
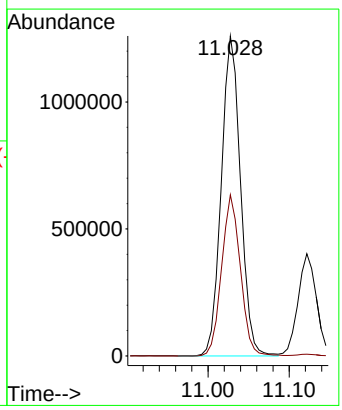
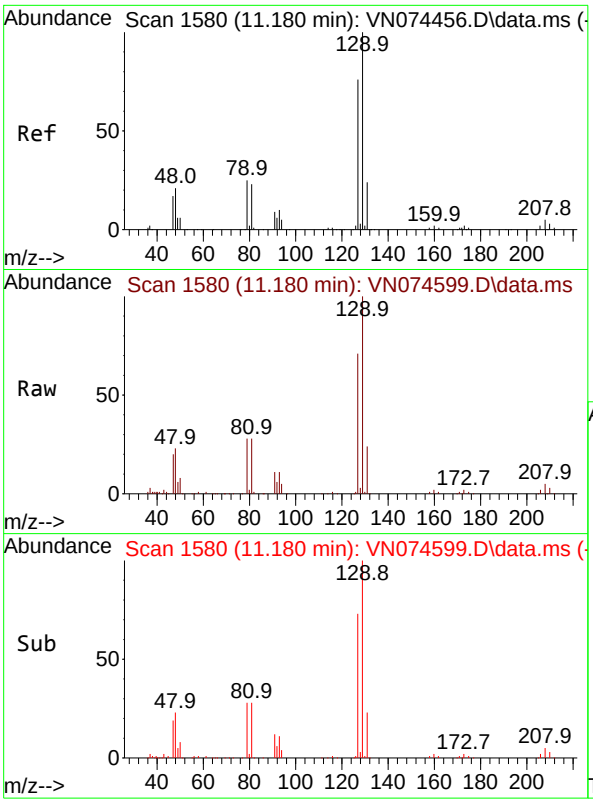


#59
2-Hexanone
Concen: 305.929 ug/l
RT: 11.028 min Scan# 1554
Delta R.T. 0.001 min
Lab File: VN074599.D
Acq: 19 Sep 2022 20:32

Tgt Ion: 43 Resp: 2073957

Ion	Ratio	Lower	Upper
43	100		
58	49.2	29.7	89.1

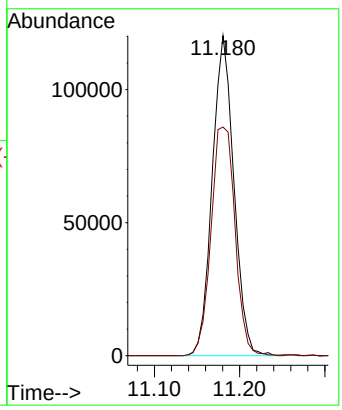




#60
Dibromochloromethane
Concen: 51.375 ug/l
RT: 11.180 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074599.D
Acq: 19 Sep 2022 20:32

Tgt Ion:129 Resp: 21236

Ion	Ratio	Lower	Upper
129	100		
127	79.3	38.8	116.4



Instrument :
MSVOA_N
ClientSampleId :
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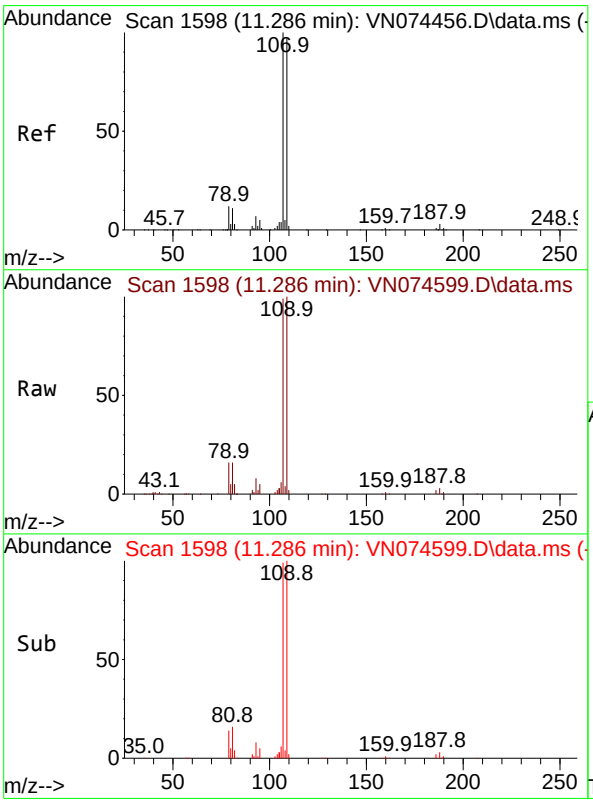
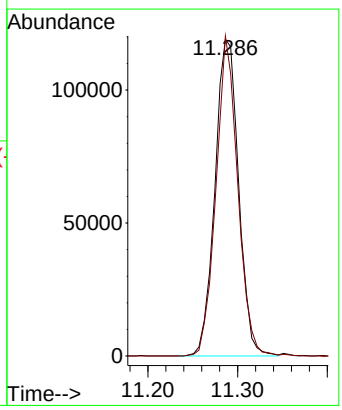
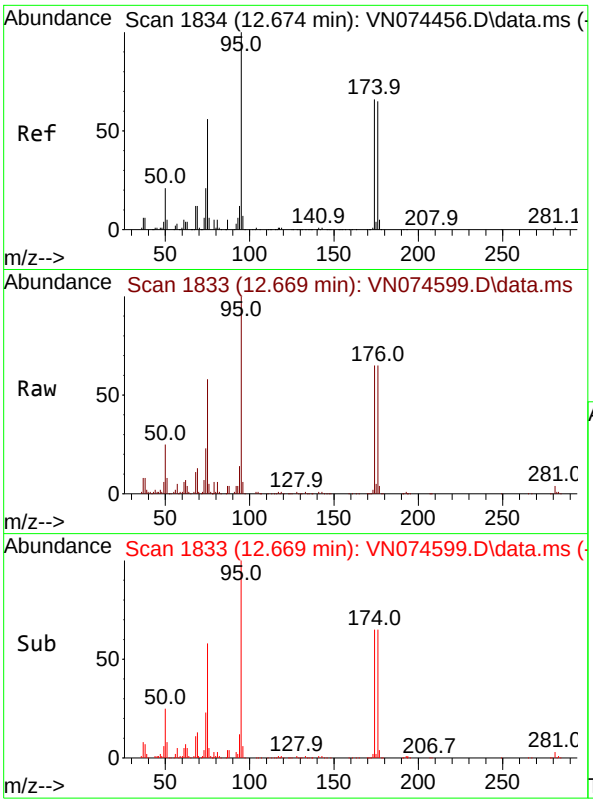


#61
1,2-Dibromoethane
Concen: 51.887 ug/l
RT: 11.286 min Scan# 1598
Delta R.T. 0.000 min
Lab File: VN074599.D
Acq: 19 Sep 2022 20:32

Tgt Ion:107 Resp: 217651

Ion	Ratio	Lower	Upper
107	100		
109	93.2	75.0	112.6

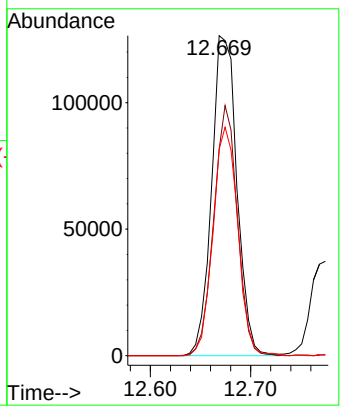




#62
4-Bromofluorobenzene
Concen: 52.594 ug/l
RT: 12.669 min Scan# 1
Delta R.T. -0.005 min
Lab File: VN074599.D
Acq: 19 Sep 2022 20:32

Tgt Ion: 95 Resp: 22125

Ion	Ratio	Lower	Upper
95	100		
174	73.0	0.0	167.6
176	69.9	0.0	163.4



Instrument :
MSVOA_N
ClientSampleId :
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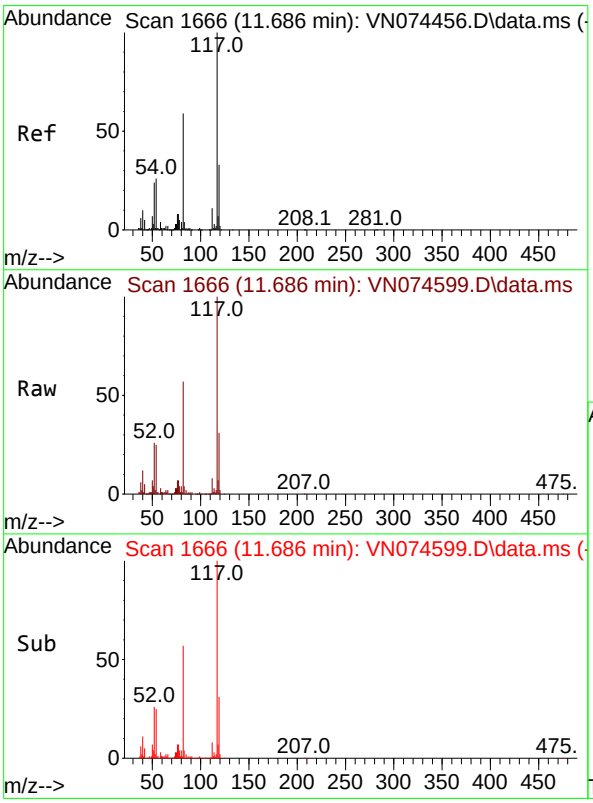
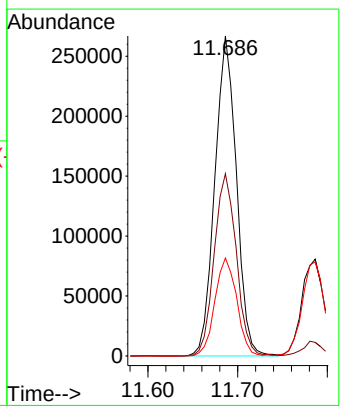
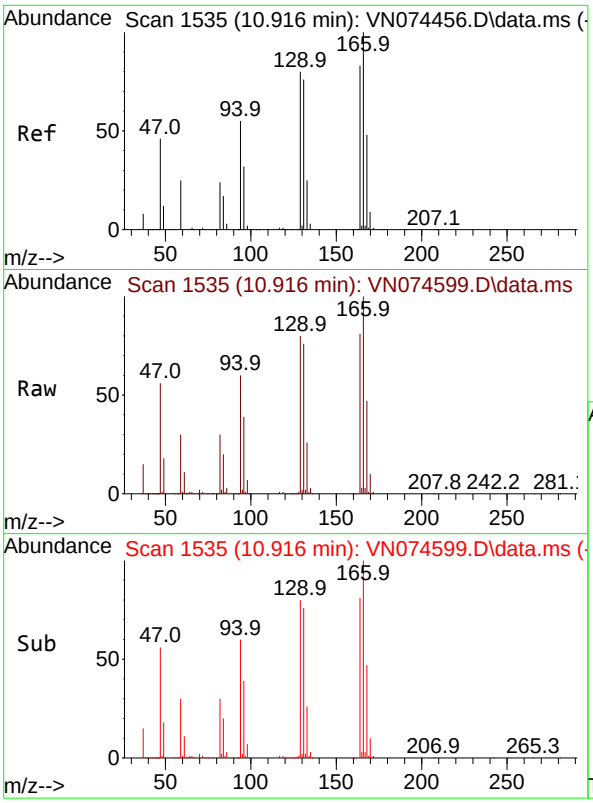


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN074599.D
Acq: 19 Sep 2022 20:32

Tgt Ion:117 Resp: 445280

Ion	Ratio	Lower	Upper
117	100		
82	57.0	44.2	66.2
119	30.6	25.4	38.0

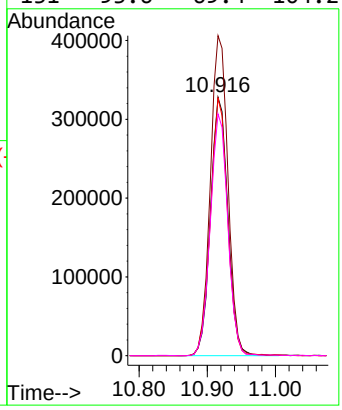




#64
Tetrachloroethene
Concen: 190.823 ug/l
RT: 10.916 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074599.D
Acq: 19 Sep 2022 20:32

Tgt Ion:164 Resp: 58312

Ion	Ratio	Lower	Upper
164	100		
166	123.9	104.2	156.2
129	99.7	73.9	110.9
131	93.6	69.4	104.2



Instrument :
MSVOA_N
ClientSampleId :
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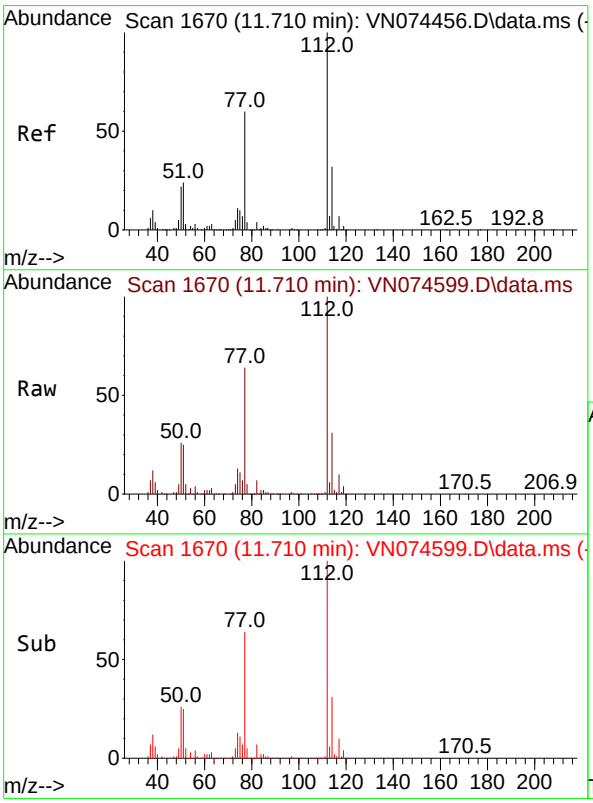
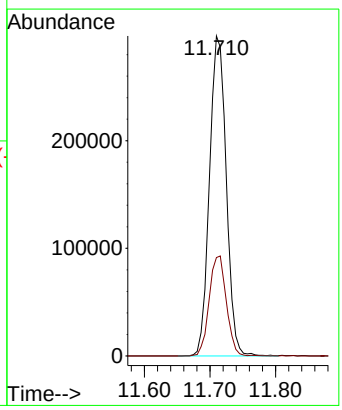
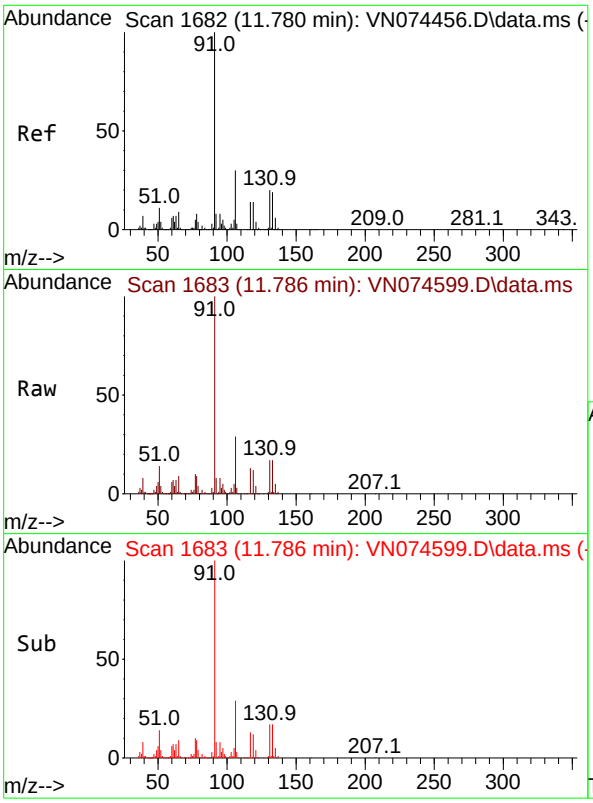


#65
Chlorobenzene
Concen: 47.209 ug/l
RT: 11.710 min Scan# 1670
Delta R.T. -0.000 min
Lab File: VN074599.D
Acq: 19 Sep 2022 20:32

Tgt Ion:112 Resp: 527725

Ion	Ratio	Lower	Upper
112	100		
114	30.8	25.4	38.2





#66
1,1,1,2-Tetrachloroethane
Concen: 48.145 ug/l
RT: 11.786 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN074599.D
Acq: 19 Sep 2022 20:32

Tgt Ion:131 Resp: 19553

Ion	Ratio	Lower	Upper
131	100		
133	92.8	47.8	143.4
119	69.0	33.4	100.2

Instrument :
MSVOA_N
ClientSampleId :
1035-MW-02(23.8)MSD

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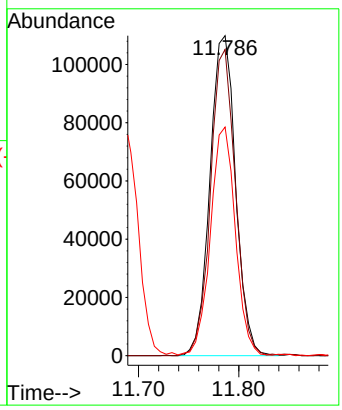
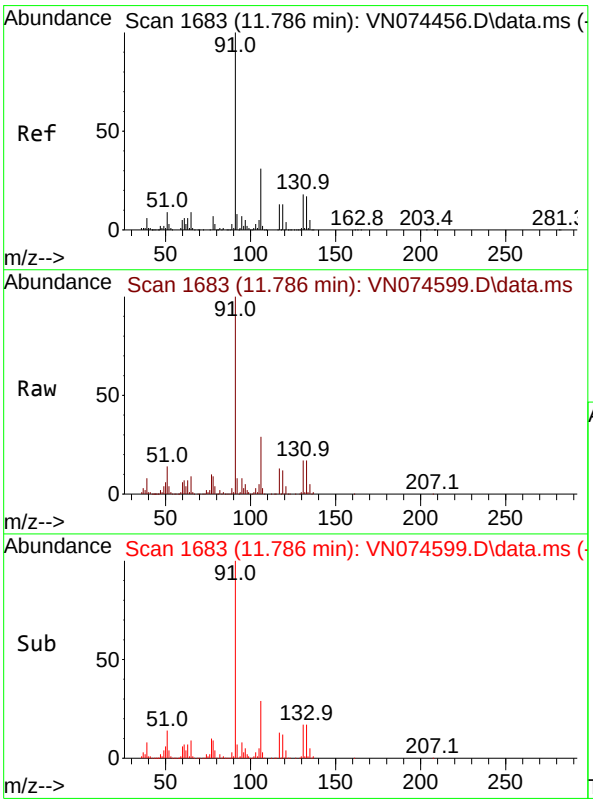
Reviewed By :Krupa Patel 09/21/2022
Supervised By :Mahesh Dadoda 09/21/2022

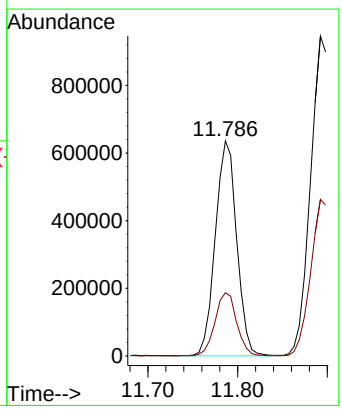


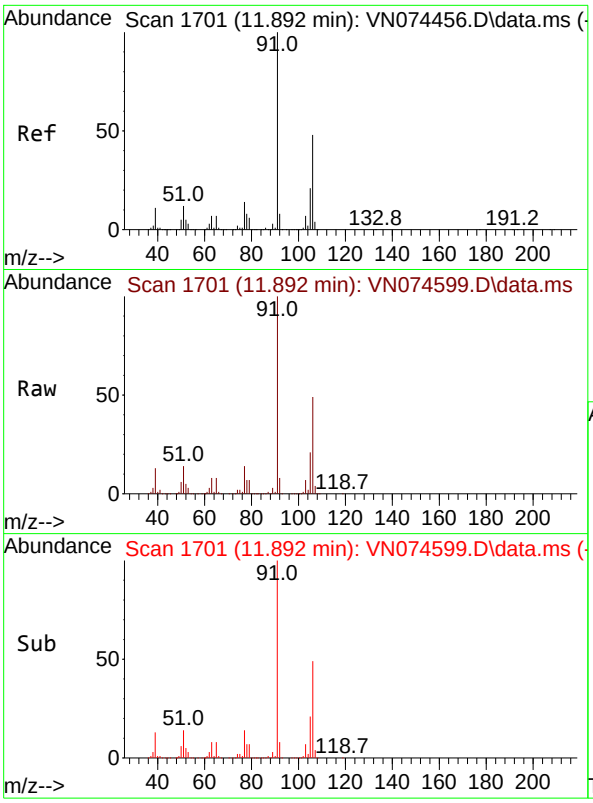


#67
Ethyl Benzene
Concen: 51.093 ug/l
RT: 11.786 min Scan# 1683
Delta R.T. 0.000 min
Lab File: VN074599.D
Acq: 19 Sep 2022 20:32

Tgt Ion: 91 Resp: 1048610

Ion	Ratio	Lower	Upper
91	100		
106	29.3	24.9	37.3





#68
m/p-Xylenes
Concen: 115.164 ug/l
RT: 11.892 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074599.D
Acq: 19 Sep 2022 20:32

Tgt Ion:106 Resp: 87388

Ion	Ratio	Lower	Upper
106	100		
91	205.3	158.9	238.3

Instrument :
MSVOA_N
ClientSampleId :
1035-MW-02(23.8)MSD

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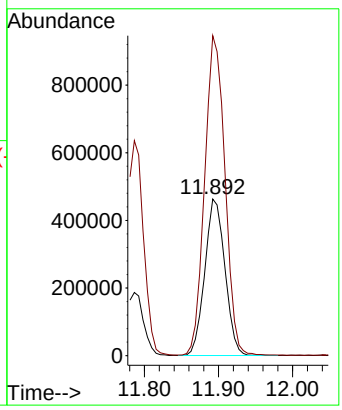
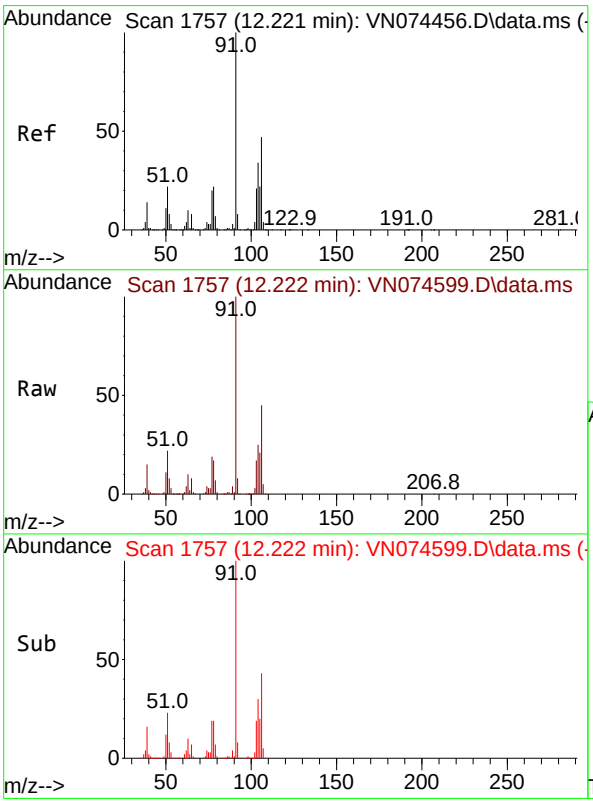
Reviewed By :Krupa Patel 09/21/2022
Supervised By :Mahesh Dadoda 09/21/2022

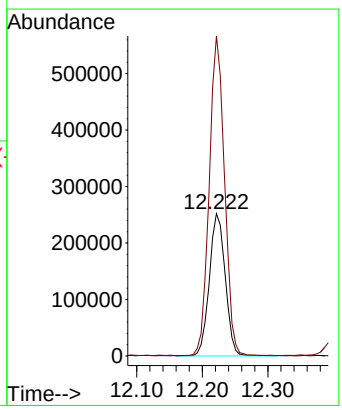


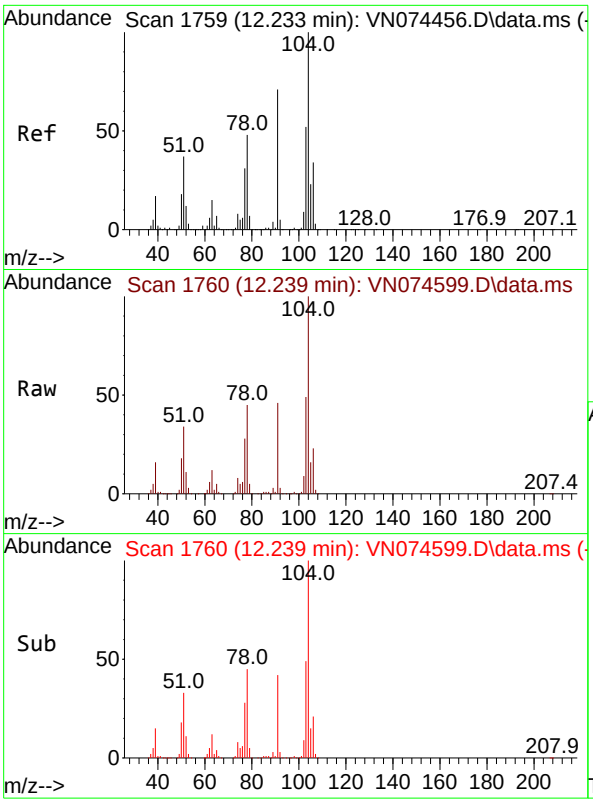


#69
o-Xylene
Concen: 54.978 ug/l
RT: 12.222 min Scan# 1757
Delta R.T. 0.001 min
Lab File: VN074599.D
Acq: 19 Sep 2022 20:32

Tgt Ion:106 Resp: 425358

Ion	Ratio	Lower	Upper
106	100		
91	215.6	106.0	318.0





#70
Styrene
Concen: 48.625 ug/l
RT: 12.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN074599.D
Acq: 19 Sep 2022 20:32

Tgt Ion:104 Resp: 62579

Ion	Ratio	Lower	Upper
104	100		
78	53.3	39.5	59.3
103	55.4	44.0	66.0

Instrument :
MSVOA_N
ClientSampleId :
1035-MW-02(23.8)MSD

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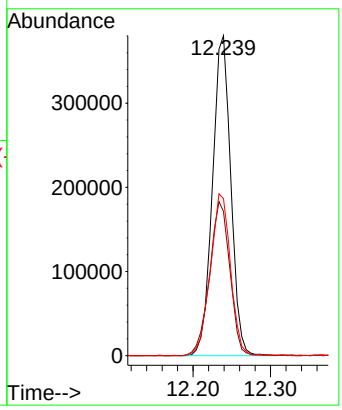
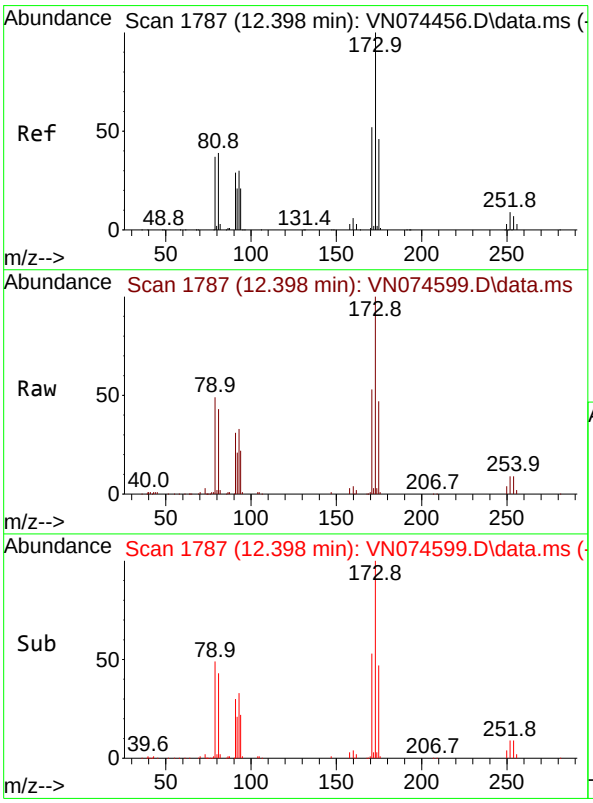
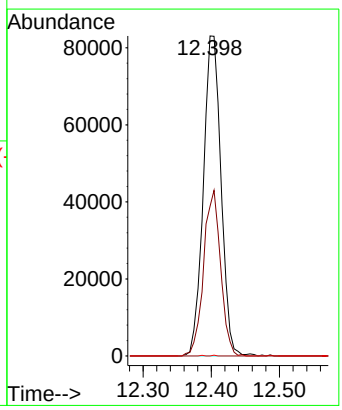


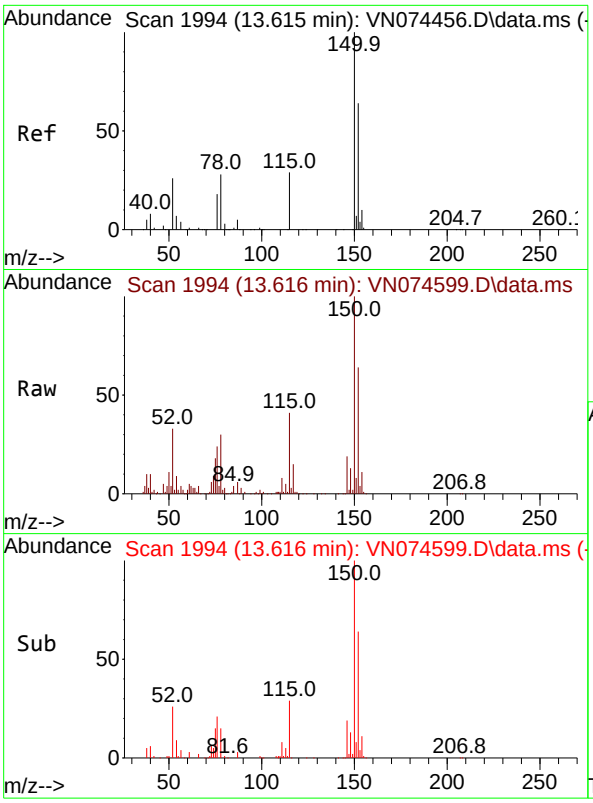


#71
Bromoform
Concen: 50.281 ug/l
RT: 12.398 min Scan# 1787
Delta R.T. 0.000 min
Lab File: VN074599.D
Acq: 19 Sep 2022 20:32

Tgt Ion:173 Resp: 150093

Ion	Ratio	Lower	Upper
173	100		
175	49.6	24.6	73.6
254	0.0	0.1	0.1#

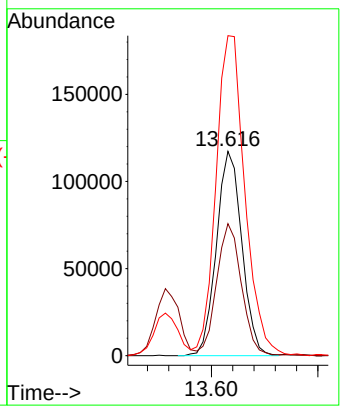




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1
Delta R.T. 0.001 min
Lab File: VN074599.D
Acq: 19 Sep 2022 20:32

Tgt Ion:152 Resp: 19432

Ion	Ratio	Lower	Upper
152	100		
115	63.2	28.9	86.7
150	178.1	0.0	356.2



Instrument :
MSVOA_N
ClientSampleId :
1035-MW-02(23.8)MSD

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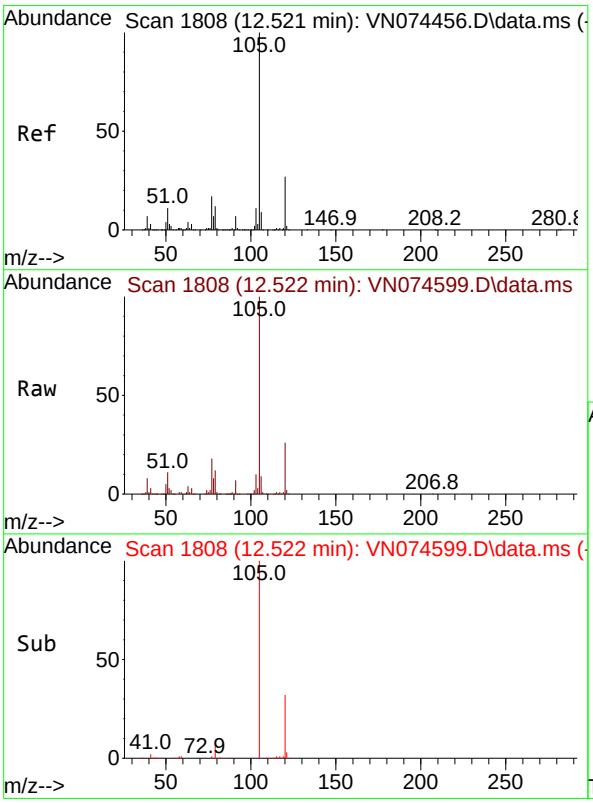
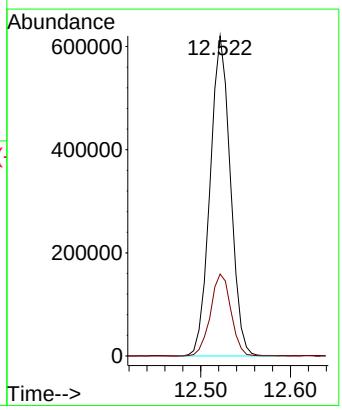
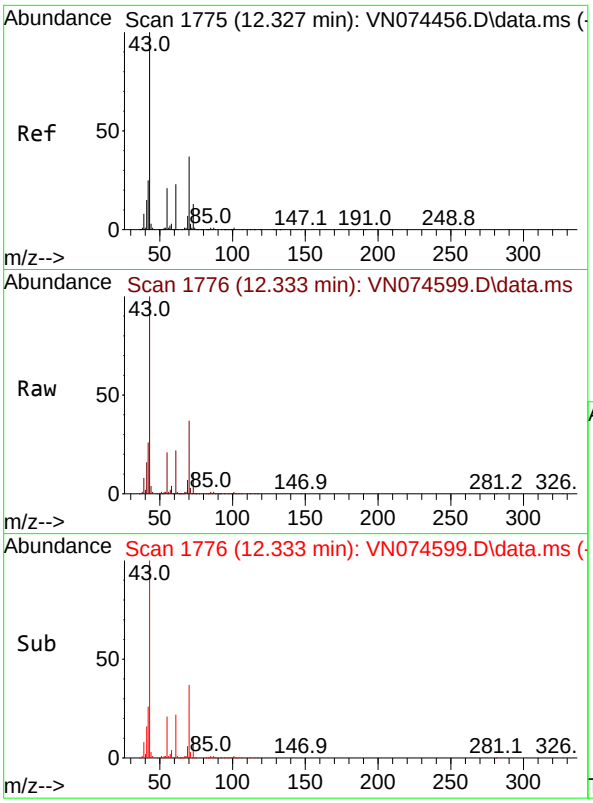


#73
Isopropylbenzene
Concen: 49.031 ug/l
RT: 12.522 min Scan# 1808
Delta R.T. 0.001 min
Lab File: VN074599.D
Acq: 19 Sep 2022 20:32

Tgt Ion:105 Resp: 975567

Ion	Ratio	Lower	Upper
105	100		
120	25.9	13.5	40.4

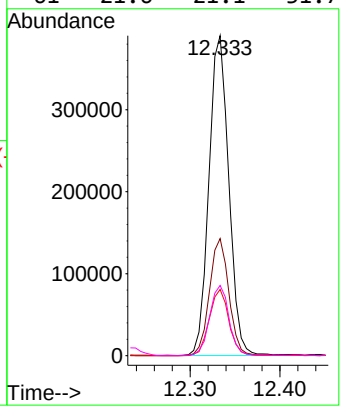




#74
N-amyl acetate
Concen: 48.135 ug/l
RT: 12.333 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN074599.D
Acq: 19 Sep 2022 20:32

Tgt Ion: 43 Resp: 59881

Ion	Ratio	Lower	Upper
43	100		
70	36.0	39.0	58.4#
55	20.4	21.1	31.7#
61	21.6	21.1	31.7



Instrument :
MSVOA_N
ClientSampleId :
1035-MW-02(23.8)MSD

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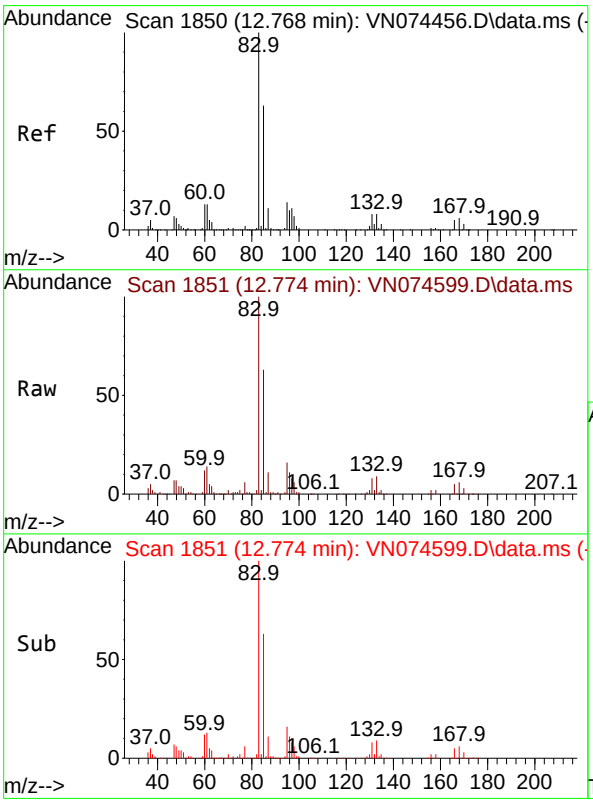
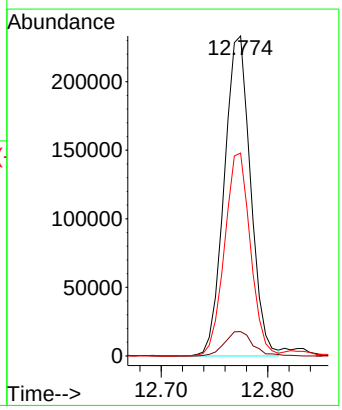
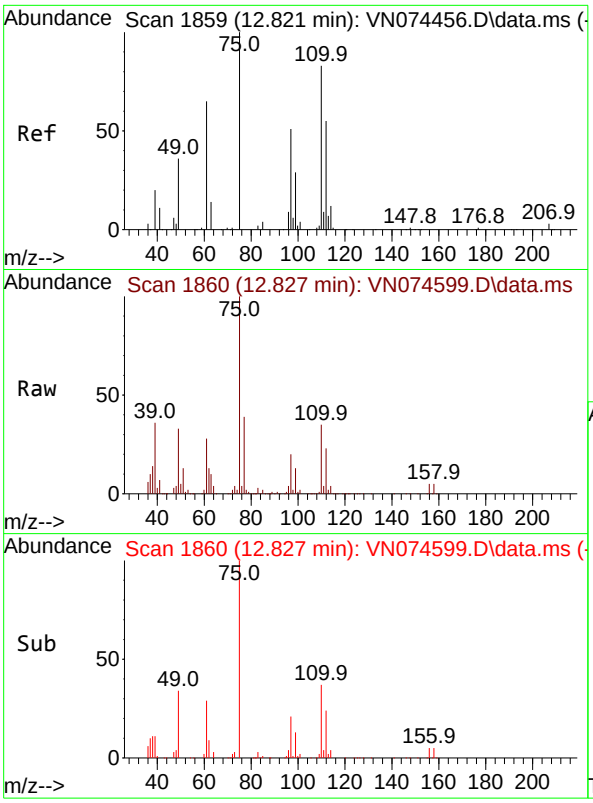


#75
1,1,2,2-Tetrachloroethane
Concen: 50.123 ug/l
RT: 12.774 min Scan# 1851
Delta R.T. 0.006 min
Lab File: VN074599.D
Acq: 19 Sep 2022 20:32

Tgt Ion: 83 Resp: 399655

Ion	Ratio	Lower	Upper
83	100		
131	8.2	5.3	15.9
85	62.5	32.3	96.9





#76
1,2,3-Trichloropropane
Concen: 58.796 ug/l m
RT: 12.827 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN074599.D
Acq: 19 Sep 2022 20:32

Tgt Ion: 75 Resp: 35167

Ion	Ratio	Lower	Upper
75	100		
77	0.0	98.5	295.5#

Instrument :
MSVOA_N
ClientSampleId :
1035-MW-02(23.8)MSD

Manual Integrations
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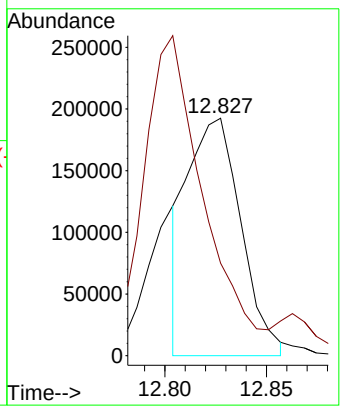
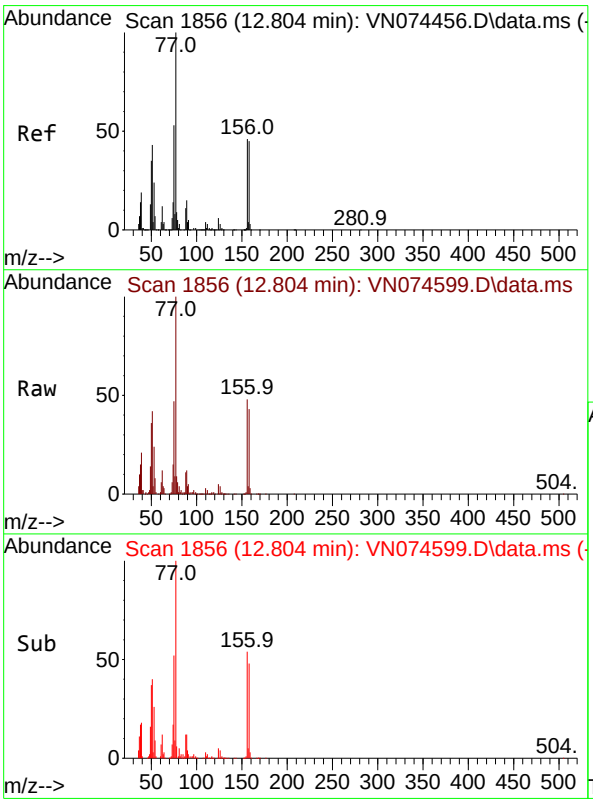
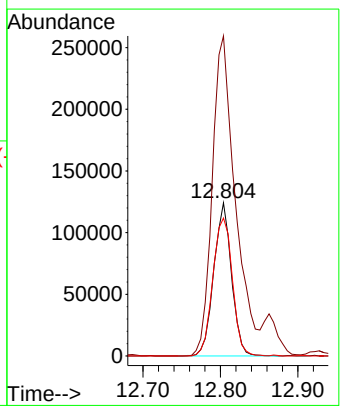


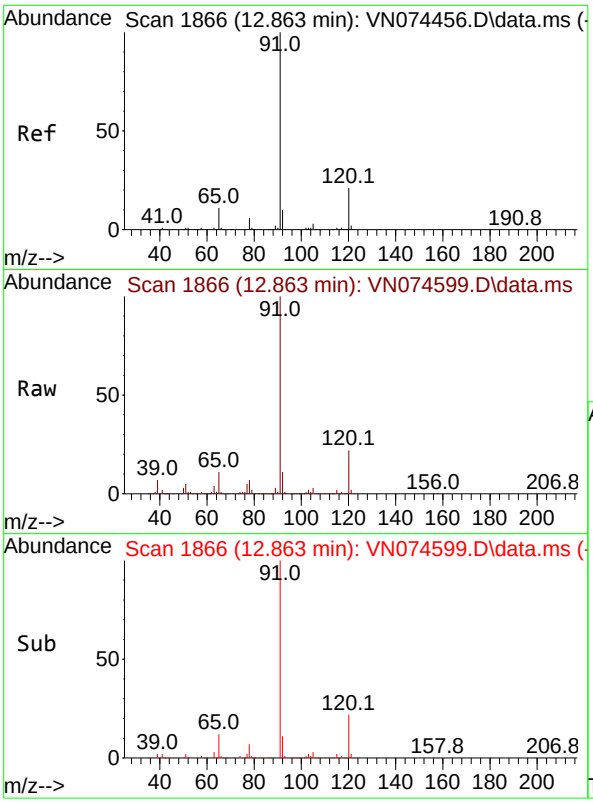


#77
Bromobenzene
Concen: 46.382 ug/l
RT: 12.804 min Scan# 1856
Delta R.T. -0.000 min
Lab File: VN074599.D
Acq: 19 Sep 2022 20:32

Tgt Ion:156 Resp: 197136

Ion	Ratio	Lower	Upper
156	100		
77	271.7	100.5	301.5
158	99.4	48.9	146.6

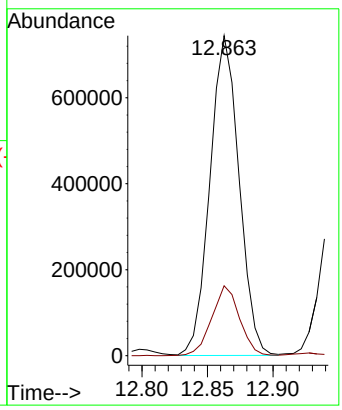




#78
n-propylbenzene
Concen: 48.590 ug/l
RT: 12.863 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074599.D
Acq: 19 Sep 2022 20:32

Tgt Ion: 91 Resp: 115145

Ion	Ratio	Lower	Upper
91	100		
120	20.9	11.9	35.5



Instrument :
MSVOA_N
ClientSampleId :
1035-MW-02(23.8)MSD

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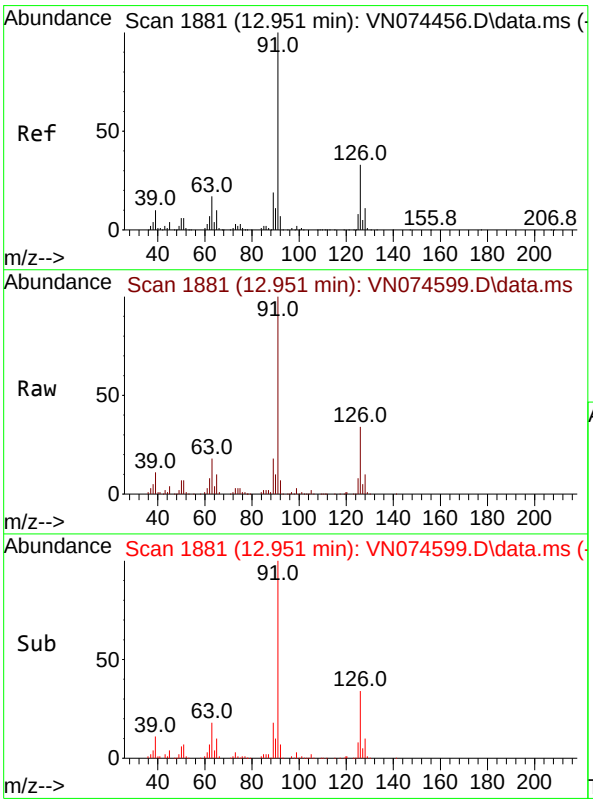
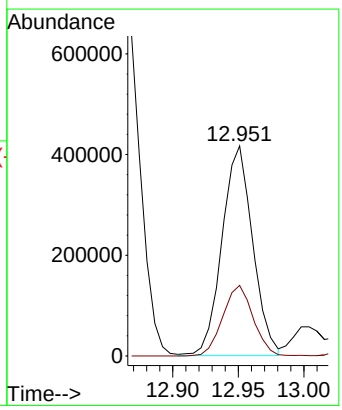
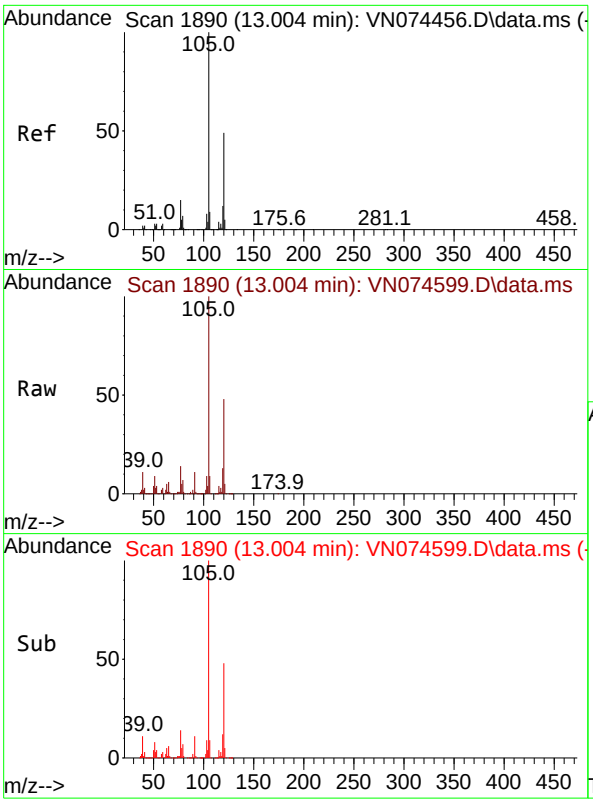


#79
2-Chlorotoluene
Concen: 47.944 ug/l
RT: 12.951 min Scan# 1881
Delta R.T. -0.000 min
Lab File: VN074599.D
Acq: 19 Sep 2022 20:32

Tgt Ion: 91 Resp: 678238

Ion	Ratio	Lower	Upper
91	100		
126	33.4	17.3	51.9

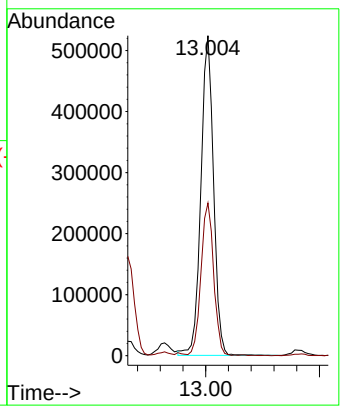




#80
1,3,5-Trimethylbenzene
Concen: 49.822 ug/l
RT: 13.004 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074599.D
Acq: 19 Sep 2022 20:32

Tgt Ion:105 Resp: 80808

Ion	Ratio	Lower	Upper
105	100		
120	47.5	24.9	74.7



Instrument :
MSVOA_N
ClientSampleId :
1035-MW-02(23.8)MSD

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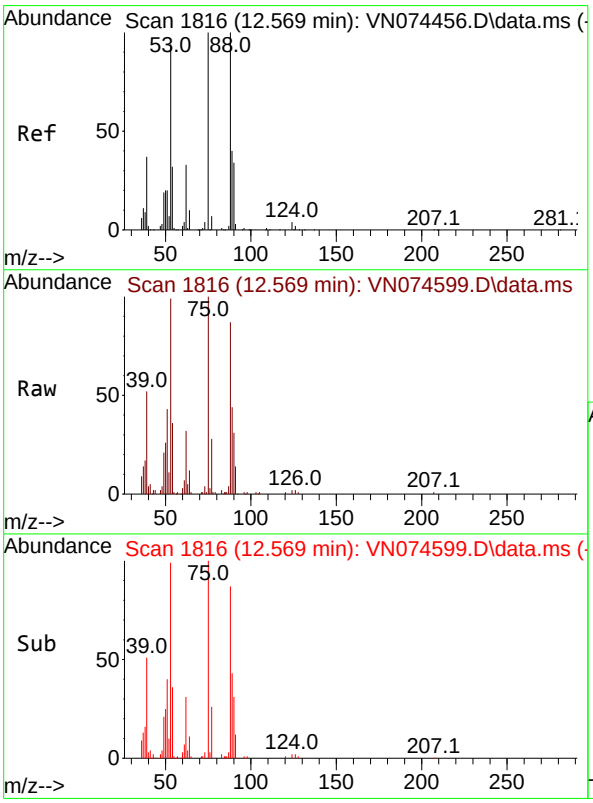
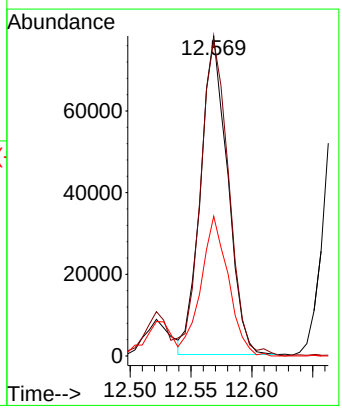
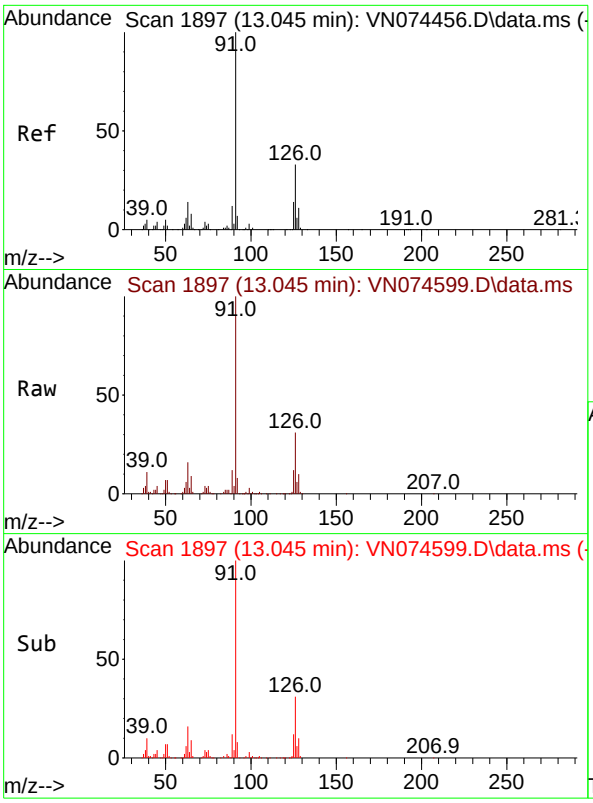


#81
trans-1,4-Dichloro-2-butene
Concen: 43.367 ug/l
RT: 12.569 min Scan# 1816
Delta R.T. -0.000 min
Lab File: VN074599.D
Acq: 19 Sep 2022 20:32

Tgt Ion: 75 Resp: 120183

Ion	Ratio	Lower	Upper
75	100		
53	104.9	78.0	117.0
89	44.7	37.2	55.8





#82
4-Chlorotoluene
Concen: 49.426 ug/l
RT: 13.045 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074599.D
Acq: 19 Sep 2022 20:32

Tgt Ion: 91 Resp: 66459

Ion	Ratio	Lower	Upper
91	100		
126	31.2	17.2	51.6

Instrument :
MSVOA_N
ClientSampleId :
1035-MW-02(23.8)MSD

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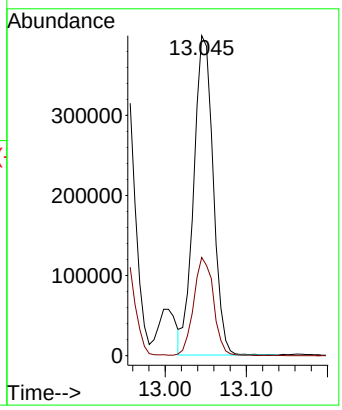
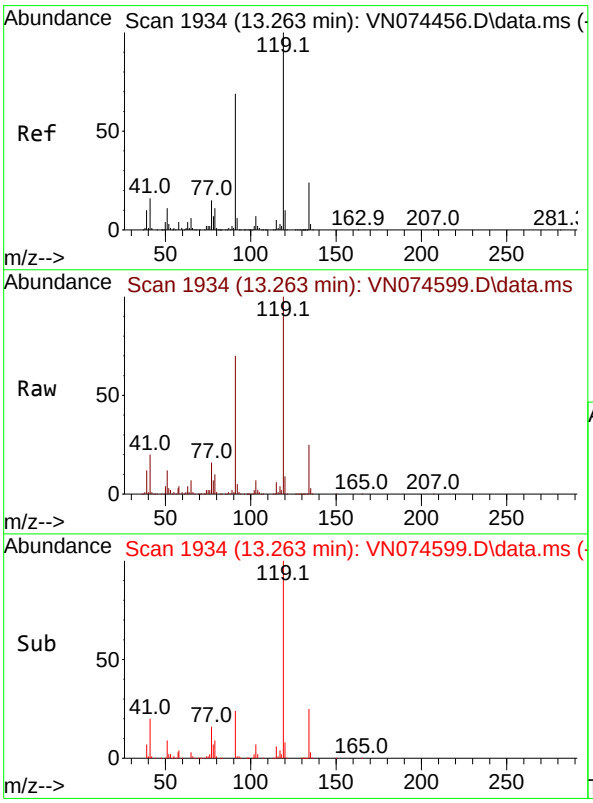
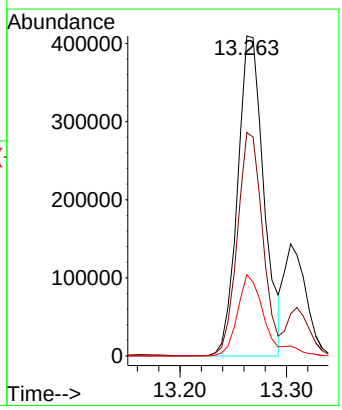


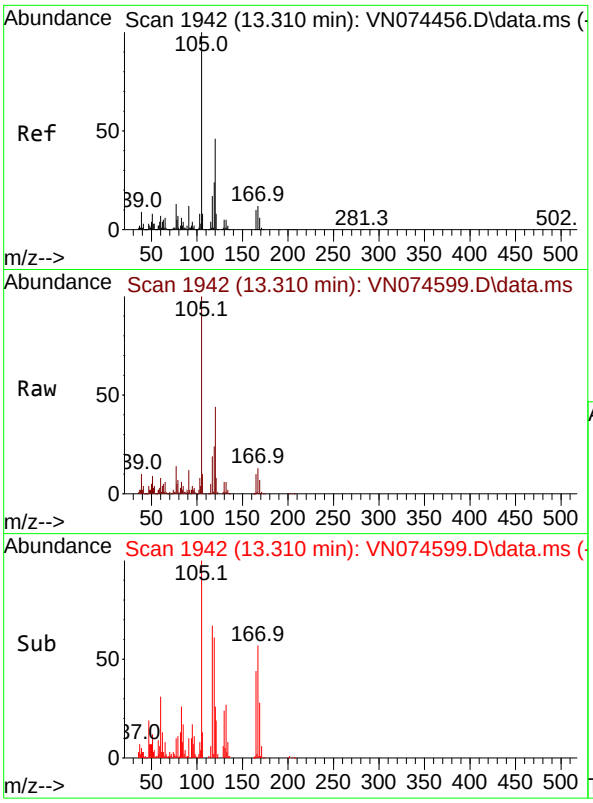


#83
tert-Butylbenzene
Concen: 47.508 ug/l
RT: 13.263 min Scan# 1934
Delta R.T. -0.000 min
Lab File: VN074599.D
Acq: 19 Sep 2022 20:32

Tgt Ion:119 Resp: 701274

Ion	Ratio	Lower	Upper
119	100		
91	67.3	31.6	94.8
134	26.3	13.7	41.1

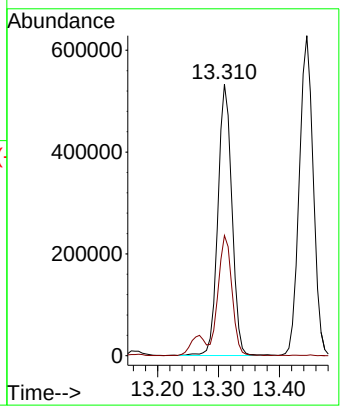




#84
1,2,4-Trimethylbenzene
Concen: 51.919 ug/l
RT: 13.310 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074599.D
Acq: 19 Sep 2022 20:32

Tgt Ion:105 Resp: 84744

Ion	Ratio	Lower	Upper
105	100		
120	44.1	23.3	69.8



Instrument :
MSVOA_N
ClientSampleId :
1035-MW-02(23.8)MSD

Manual Integrations
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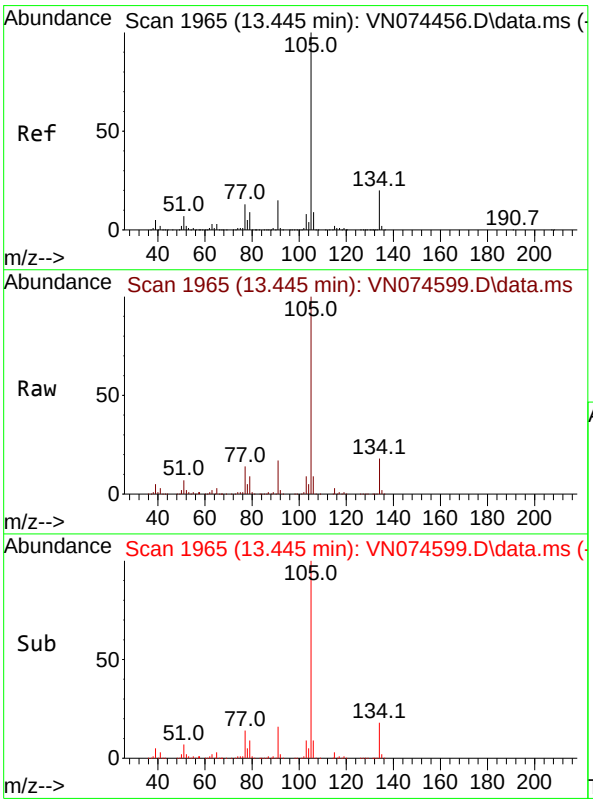
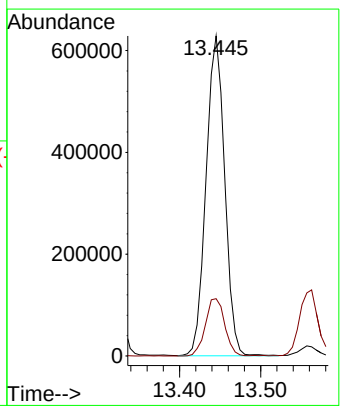
Reviewed By :Krupa Patel 09/21/2022
Supervised By :Mahesh Dadoda 09/21/2022

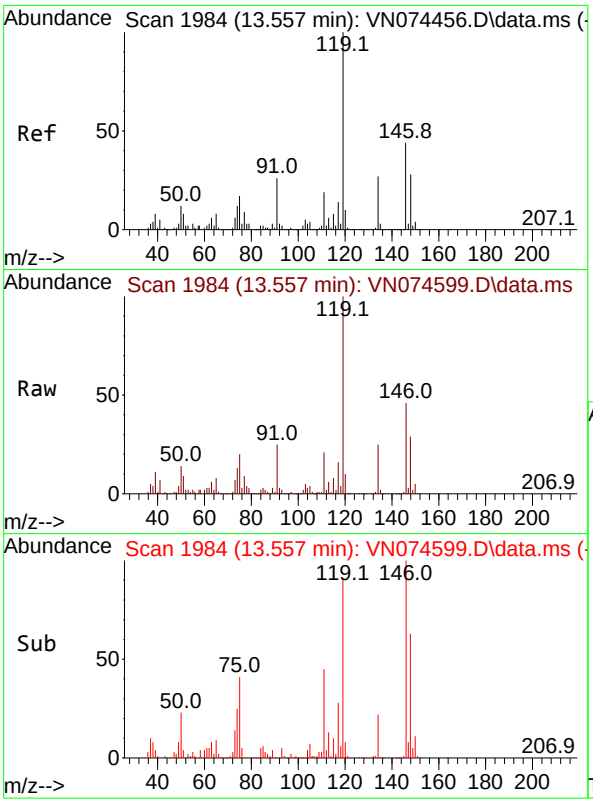


#85
sec-Butylbenzene
Concen: 49.352 ug/l
RT: 13.445 min Scan# 1965
Delta R.T. 0.000 min
Lab File: VN074599.D
Acq: 19 Sep 2022 20:32

Tgt Ion:105 Resp: 1000293

Ion	Ratio	Lower	Upper
105	100		
134	18.6	10.4	31.1





#86
p-Isopropyltoluene
Concen: 49.303 ug/l
RT: 13.557 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074599.D
Acq: 19 Sep 2022 20:32

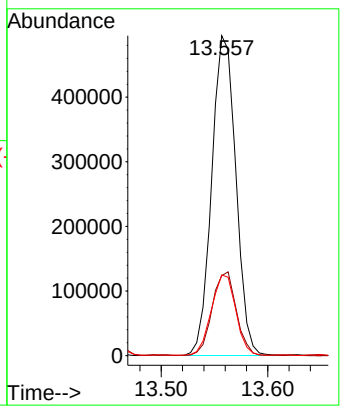
Tgt Ion:119 Resp: 77905

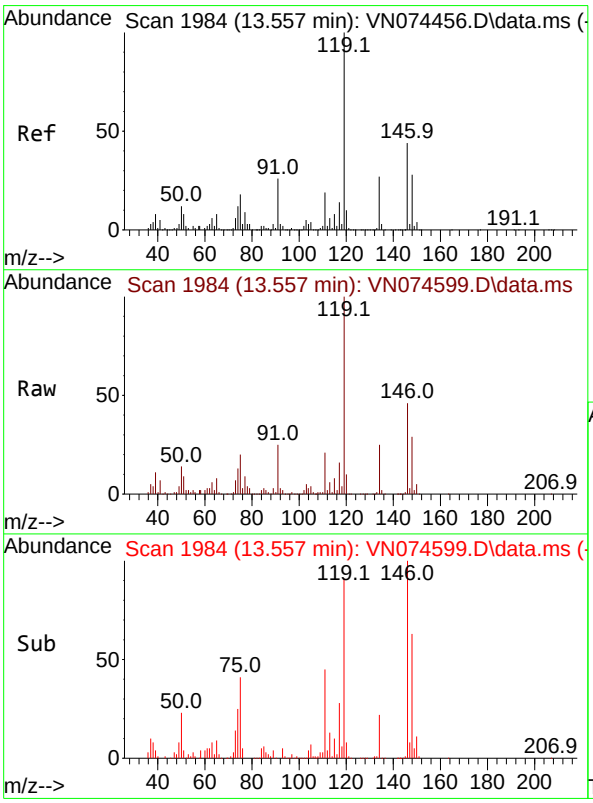
Ion	Ratio	Lower	Upper
119	100		
134	26.1	13.3	39.8
91	25.3	11.3	33.9

Instrument :
MSVOA_N
ClientSampleId :
1035-MW-02(23.8)MSD

Manual Integrations
APPROVED

Reviewed By :Krupa Patel 09/21/2022
Supervised By :Mahesh Dadoda 09/21/2022

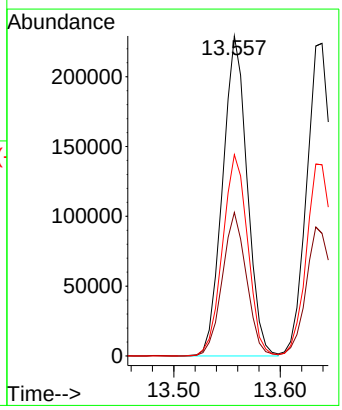


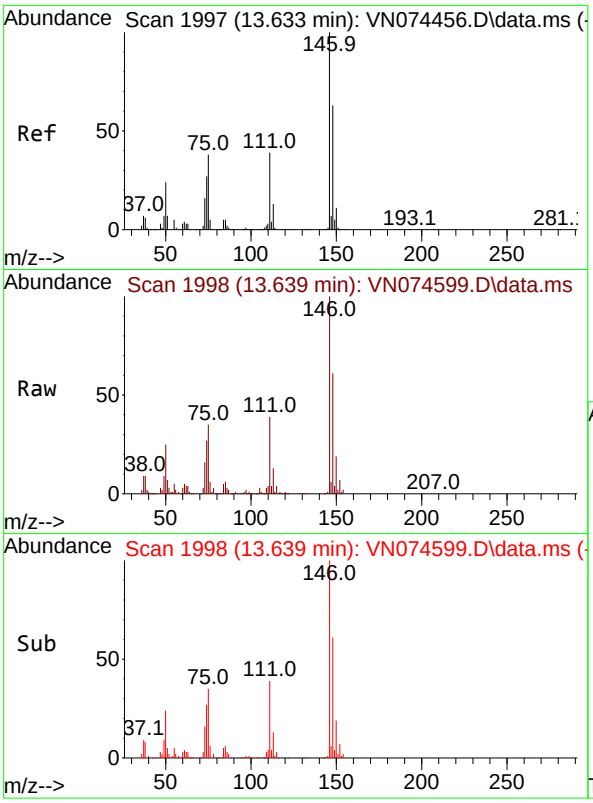


#87
1,3-Dichlorobenzene
Concen: 47.009 ug/l
RT: 13.557 min Scan# 1984
Delta R.T. -0.000 min
Lab File: VN074599.D
Acq: 19 Sep 2022 20:32

Tgt Ion:146 Resp: 367161

Ion	Ratio	Lower	Upper
146	100		
111	44.1	20.0	60.0
148	64.4	32.0	96.0

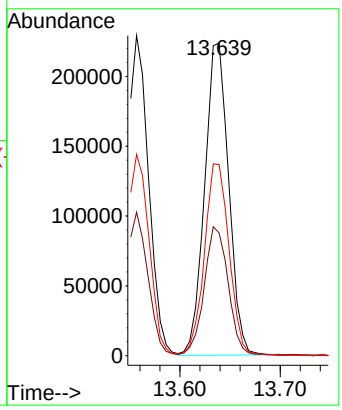




#88
1,4-Dichlorobenzene
Concen: 47.516 ug/l
RT: 13.639 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN074599.D
Acq: 19 Sep 2022 20:32

Tgt Ion:146 Resp: 37298

Ion	Ratio	Lower	Upper
146	100		
111	41.2	19.1	57.1
148	62.4	31.4	94.3



Instrument :
MSVOA_N
ClientSampleId :
1035-MW-02(23.8)MSD

Manual Integrations
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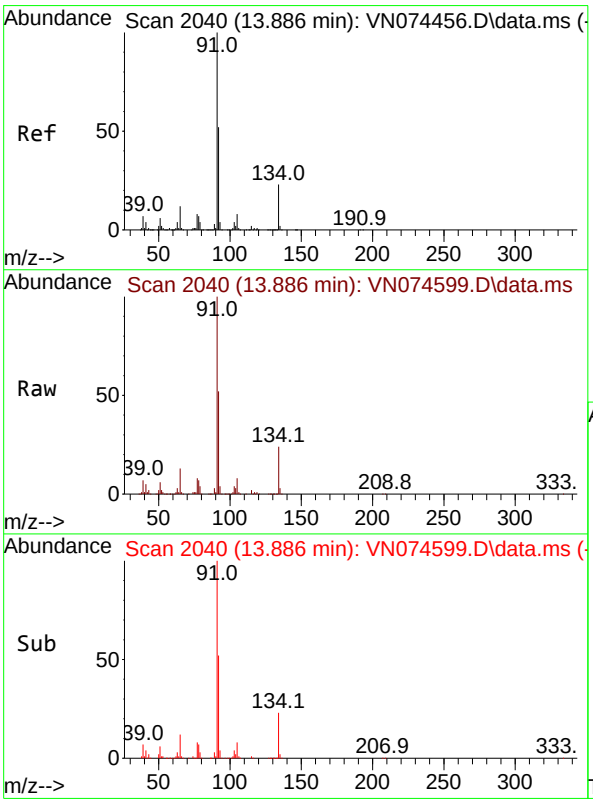
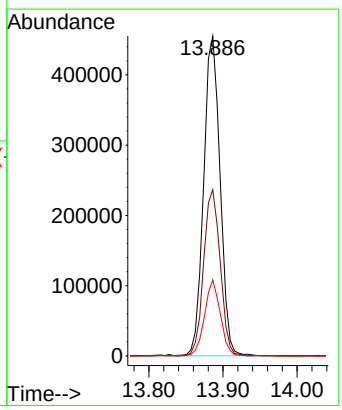
Reviewed By :Krupa Patel 09/21/2022
Supervised By :Mahesh Dadoda 09/21/2022

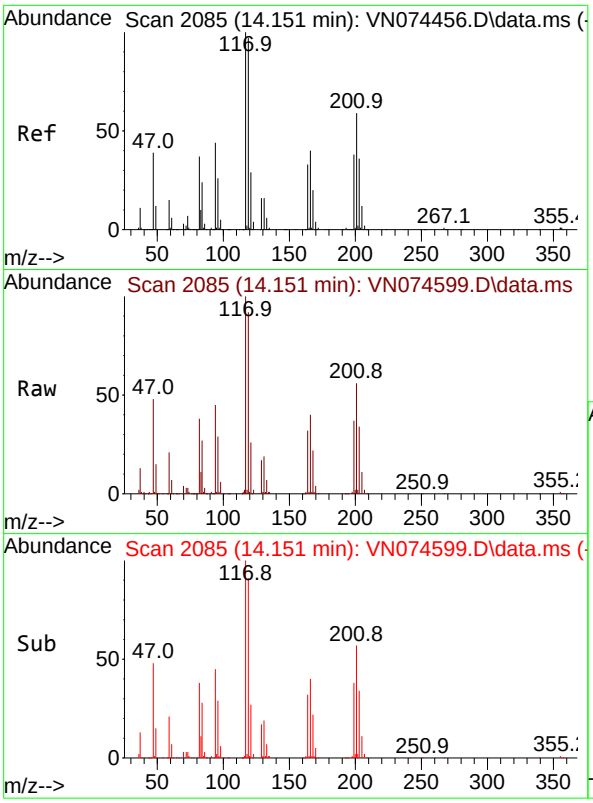


#89
n-Butylbenzene
Concen: 49.208 ug/l
RT: 13.886 min Scan# 2040
Delta R.T. 0.000 min
Lab File: VN074599.D
Acq: 19 Sep 2022 20:32

Tgt Ion: 91 Resp: 700839

Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.9	80.7
134	22.9	13.6	40.8





#90
Hexachloroethane
Concen: 46.987 ug/l
RT: 14.151 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN074599.D
Acq: 19 Sep 2022 20:32

Tgt Ion:117 Resp: 16154

Ion	Ratio	Lower	Upper
117	100		
201	59.1	40.6	122.0

Instrument :
MSVOA_N
ClientSampleId :
1035-MW-02(23.8)MSD

Manual Integrations
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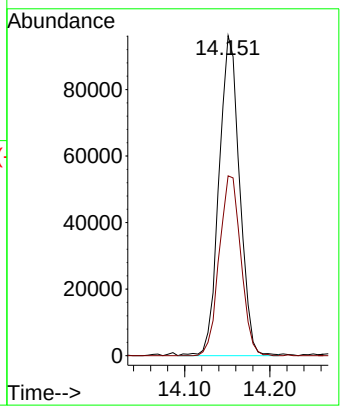
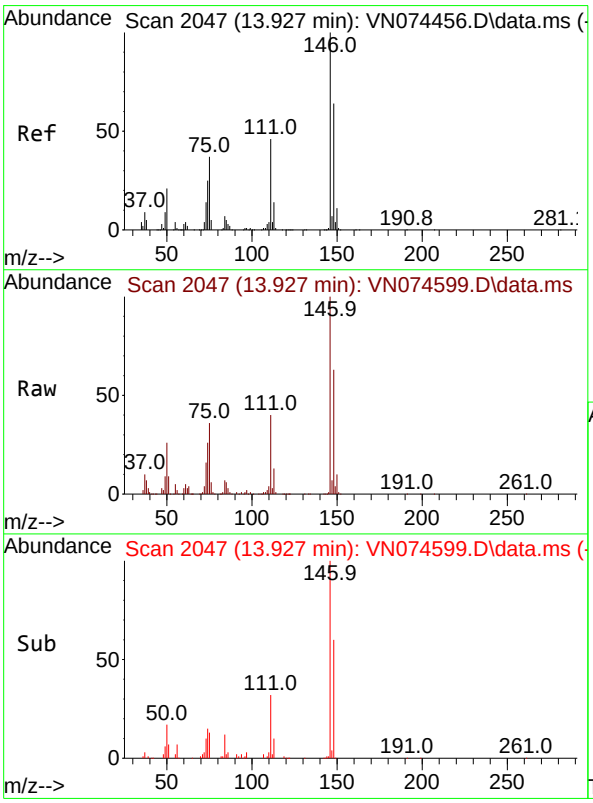
Reviewed By :Krupa Patel 09/21/2022
Supervised By :Mahesh Dadoda 09/21/2022

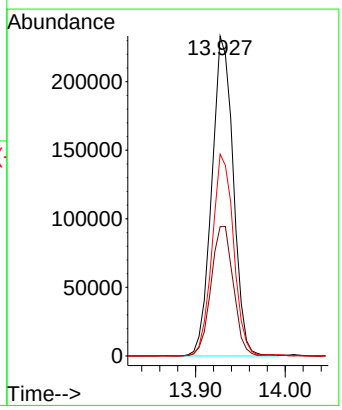


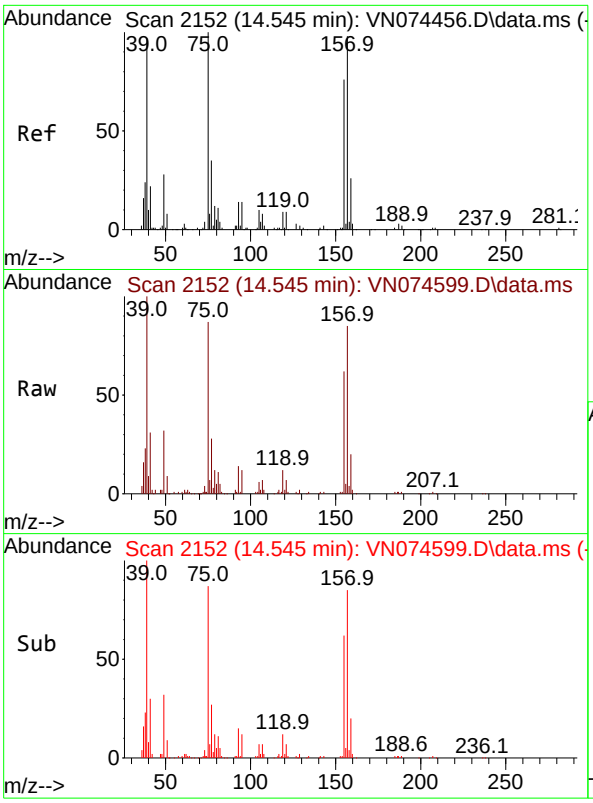


#91
1,2-Dichlorobenzene
Concen: 47.795 ug/l
RT: 13.927 min Scan# 2047
Delta R.T. 0.000 min
Lab File: VN074599.D
Acq: 19 Sep 2022 20:32

Tgt Ion:146 Resp: 387274

Ion	Ratio	Lower	Upper
146	100		
111	42.1	20.9	62.8
148	63.1	32.1	96.3

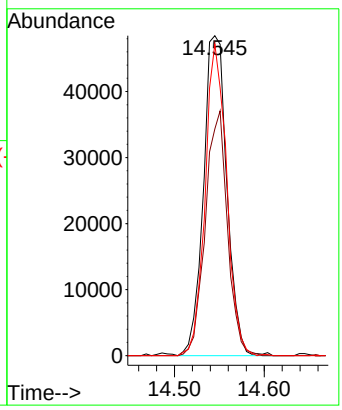




#92
1,2-Dibromo-3-Chloropropane
Concen: 50.035 ug/l
RT: 14.545 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN074599.D
Acq: 19 Sep 2022 20:32

Tgt Ion: 75 Resp: 8809

Ion	Ratio	Lower	Upper
75	100		
155	72.0	44.9	134.5
157	89.2	59.0	176.8



Instrument :
MSVOA_N
ClientSampleId :
1035-MW-02(23.8)MSD

Manual Integrations
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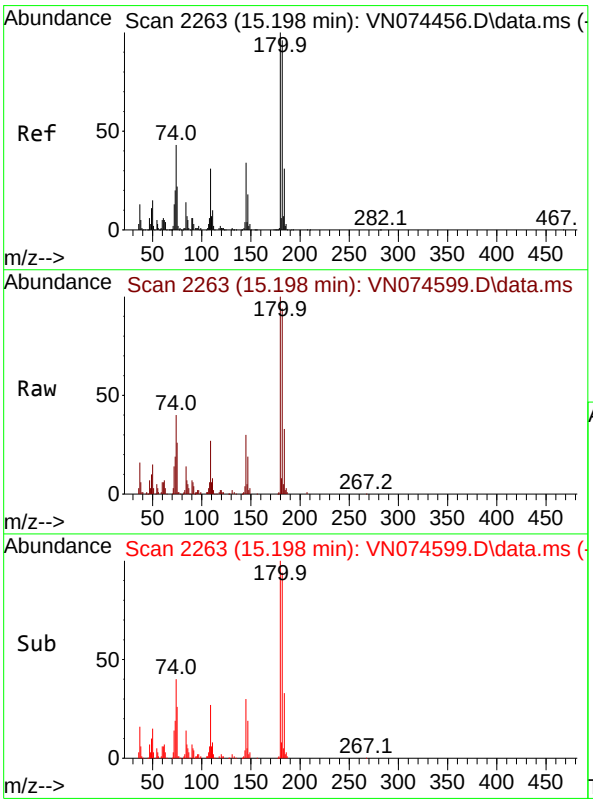
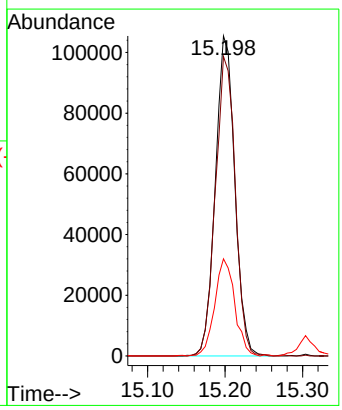
Supervised By :Mahesh Dadoda 09/21/2022

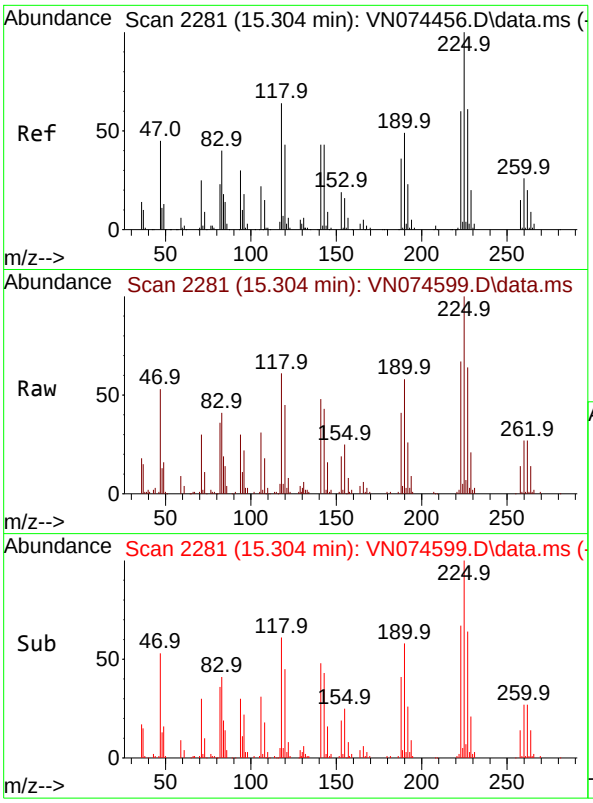


#93
1,2,4-Trichlorobenzene
Concen: 47.655 ug/l
RT: 15.198 min Scan# 2263
Delta R.T. -0.000 min
Lab File: VN074599.D
Acq: 19 Sep 2022 20:32

Tgt Ion:180 Resp: 183963

Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.5	142.5
145	31.3	14.5	43.5

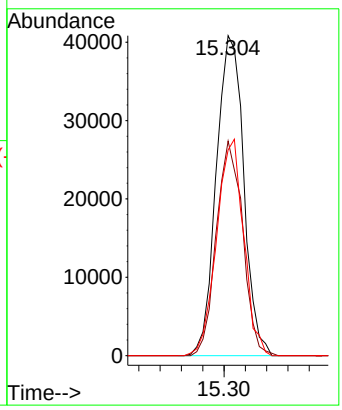




#94
Hexachlorobutadiene
Concen: 42.985 ug/l
RT: 15.304 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN074599.D
Acq: 19 Sep 2022 20:32

Tgt Ion:225 Resp: 7292

Ion	Ratio	Lower	Upper
225	100		
223	64.4	32.4	97.2
227	66.7	31.8	95.4



Instrument :
MSVOA_N
ClientSampleId :
1035-MW-02(23.8)MSD

Manual Integrations
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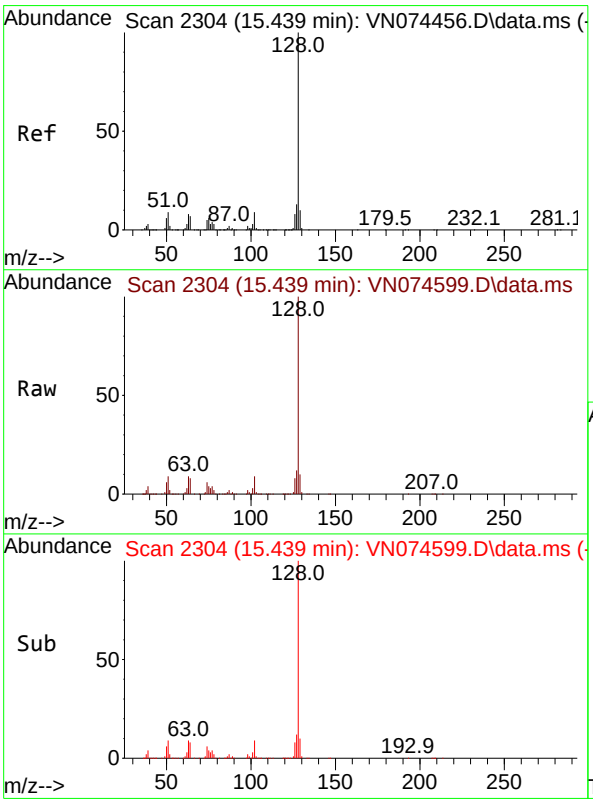
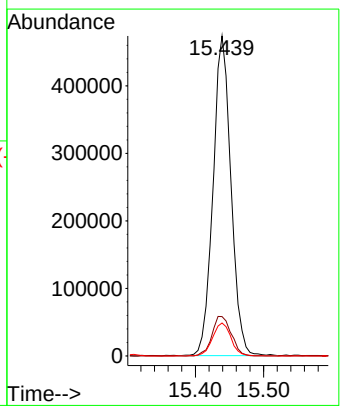
Reviewed By :Krupa Patel 09/21/2022
Supervised By :Mahesh Dadoda 09/21/2022

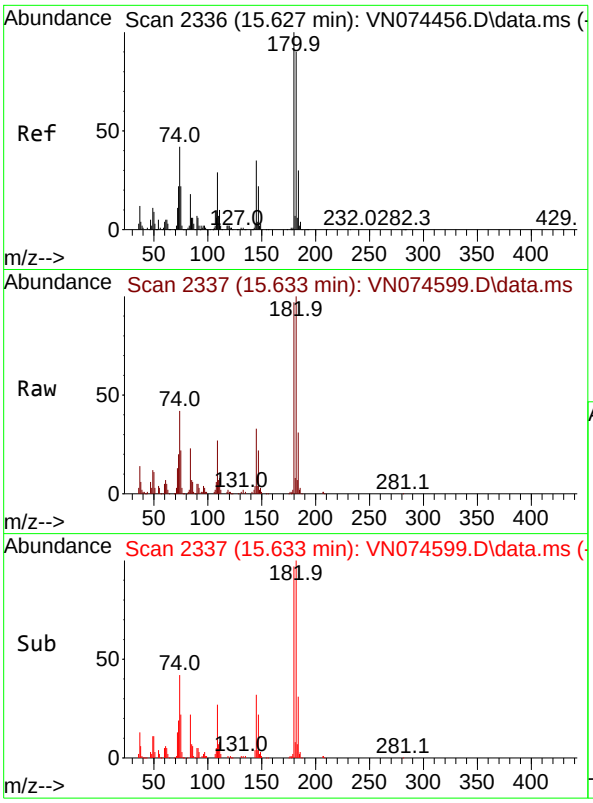


#95
Naphthalene
Concen: 52.066 ug/l
RT: 15.439 min Scan# 2304
Delta R.T. 0.000 min
Lab File: VN074599.D
Acq: 19 Sep 2022 20:32

Tgt Ion:128 Resp: 867140

Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.3	15.5
129	10.6	8.6	13.0

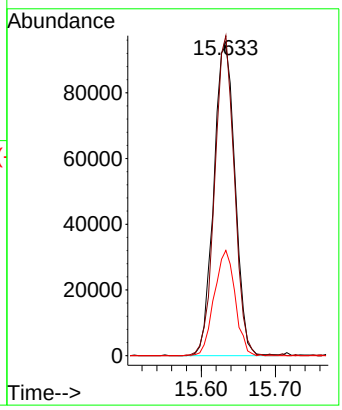




#96
1,2,3-Trichlorobenzene
Concen: 47.366 ug/l
RT: 15.633 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN074599.D
Acq: 19 Sep 2022 20:32

Tgt Ion:180 Resp: 18918

Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.8	143.3
145	33.2	15.5	46.5



Instrument :
MSVOA_N
ClientSampleId :
1035-MW-02(23.8)MSD

Manual Integrations
APPROVED

Reviewed By :Krupa Patel 09/21/2022
Supervised By :Mahesh Dadoda 09/21/2022

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Manual Integration Report

Sequence:	VN091522	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VN074453.D	1,2,3-Trichloropropane	JOHN	9/16/2022 8:28:10 AM	MMDadoda	9/16/2022 6:14:18 PM	Peak Integrated by Software
VSTDICC010	VN074454.D	1,2,3-Trichloropropane	JOHN	9/16/2022 8:28:17 AM	MMDadoda	9/16/2022 6:14:20 PM	Peak Integrated by Software
VSTDICC020	VN074455.D	1,2,3-Trichloropropane	JOHN	9/16/2022 8:28:23 AM	MMDadoda	9/16/2022 6:14:22 PM	Peak Integrated by Software
VSTDICCC050	VN074456.D	1,2,3-Trichloropropane	JOHN	9/16/2022 8:28:29 AM	MMDadoda	9/16/2022 6:14:23 PM	Peak Integrated by Software
VSTDICC100	VN074457.D	1,2,3-Trichloropropane	JOHN	9/16/2022 8:28:35 AM	MMDadoda	9/16/2022 6:14:25 PM	Peak Integrated by Software
VSTDICC001	VN074459.D	1,2,3-Trichloropropane	JOHN	9/16/2022 8:28:41 AM	MMDadoda	9/16/2022 6:14:27 PM	Peak Integrated by Software
VSTDICC001	VN074459.D	1,4-Dichlorobenzene	JOHN	9/16/2022 8:28:41 AM	MMDadoda	9/16/2022 6:14:27 PM	Peak Integrated by Software
VSTDICC001	VN074459.D	Bromochloromethane	JOHN	9/16/2022 8:28:41 AM	MMDadoda	9/16/2022 6:14:27 PM	Peak Integrated by Software
VSTDICC001	VN074459.D	Methyl Acetate	JOHN	9/16/2022 8:28:41 AM	MMDadoda	9/16/2022 6:14:27 PM	Peak Integrated by Software
VSTDICV050	VN074460.D	1,2,3-Trichloropropane	JOHN	9/16/2022 8:28:47 AM	MMDadoda	9/16/2022 6:14:29 PM	Peak Integrated by Software
VSTDCCC050	VN074476.D	1,2,3-Trichloropropane	JOHN	9/16/2022 8:30:40 AM	MMDadoda	9/16/2022 6:14:34 PM	Peak Integrated by Software
VSTDCCC050	VN074478.D	1,2,3-Trichloropropane	JOHN	9/16/2022 8:30:46 AM	MMDadoda	9/16/2022 6:14:37 PM	Peak Integrated by Software
VSTDCCC050	VN074496.D	1,2,3-Trichloropropane	JOHN	9/16/2022 10:18:00 AM	MMDadoda	9/16/2022 6:14:43 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VN091522	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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Manual Integration Report

Sequence:	VN091722	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN074550.D	1,2,3-Trichloropropane	JOHN	9/19/2022 8:39:16 AM	MMDadoda	9/19/2022 10:13:08 AM	Peak Integrated by Software
VN0917WBS02	VN074553.D	1,2,3-Trichloropropane	JOHN	9/19/2022 8:39:27 AM	MMDadoda	9/19/2022 10:13:17 AM	Peak Integrated by Software
N4647-01	VN074568.D	Tetrahydrofuran	JOHN	9/19/2022 8:40:23 AM	MMDadoda	9/19/2022 11:00:53 AM	Peak Integrated by Software
N4647-06	VN074571.D	trans-1,2-Dichloroethene	JOHN	9/19/2022 8:40:39 AM	MMDadoda	9/19/2022 11:00:57 AM	Peak Integrated by Software
VSTDCCC050	VN074574.D	1,2,3-Trichloropropane	JOHN	9/19/2022 8:40:58 AM	MMDadoda	9/19/2022 11:01:08 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VN091922	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN074576.D	1,2,3-Trichloropropane	Krupa	9/21/2022 12:30:26 AM	MMdadoda	9/21/2022 12:40:10 AM	Peak Integrated by Software
VN0919WBS01	VN074580.D	1,2,3-Trichloropropane	Krupa	9/21/2022 12:30:30 AM	MMdadoda	9/21/2022 12:40:58 AM	Peak Integrated by Software
N4647-03MS	VN074598.D	1,2,3-Trichloropropane	Krupa	9/21/2022 12:31:47 AM	MMdadoda	9/21/2022 12:41:26 AM	Peak Integrated by Software
N4647-04MSD	VN074599.D	1,2,3-Trichloropropane	Krupa	9/21/2022 12:31:50 AM	MMdadoda	9/21/2022 12:41:28 AM	Peak Integrated by Software
VSTDCCC050	VN074600.D	1,2,3-Trichloropropane	Krupa	9/21/2022 12:31:52 AM	MMdadoda	9/21/2022 12:41:32 AM	Peak Integrated by Software

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN091522

Review By	John Carlone	Review On	9/16/2022 8:46:11 AM		
Supervise By	Krupa Patel	Supervise On	9/16/2022 6:12:37 PM		
SubDirectory	VN091522	HP Acquire Method		HP Processing Method	82N091522W.M

STD. NAME	STD REF.#
Tune/Reschk	VP115399,VP115401
Initial Calibration Stds	VP115404,VP115405,VP115406,VP115407,VP115408,VP115409
CCC	VP115400,VP115402,VP115403
Internal Standard/PEM	
ICV/I.BLK	VP115410
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN074451.D	15 Sep 2022 09:22	JC\MD	Ok
2	VSTDICC001	VN074452.D	15 Sep 2022 09:59	JC\MD	Not Ok
3	VSTDICC005	VN074453.D	15 Sep 2022 10:36	JC\MD	Ok,M
4	VSTDICC010	VN074454.D	15 Sep 2022 11:00	JC\MD	Ok,M
5	VSTDICC020	VN074455.D	15 Sep 2022 11:24	JC\MD	Ok,M
6	VSTDICCC050	VN074456.D	15 Sep 2022 11:48	JC\MD	Ok,M
7	VSTDICC100	VN074457.D	15 Sep 2022 12:12	JC\MD	Ok,M
8	IBLK	VN074458.D	15 Sep 2022 12:37	JC\MD	Ok
9	VSTDICC001	VN074459.D	15 Sep 2022 13:26	JC\MD	Ok,M
10	VSTDICV050	VN074460.D	15 Sep 2022 14:14	JC\MD	Ok,M
11	VN0915WBL01	VN074461.D	15 Sep 2022 14:47	JC\MD	Ok
12	VN0915WBS01	VN074462.D	15 Sep 2022 15:21	JC\MD	Ok,M
13	VN0915WBSD01	VN074463.D	15 Sep 2022 15:56	JC\MD	Ok,M
14	N4471-15DL	VN074464.D	15 Sep 2022 16:20	JC\MD	Dilution
15	N4471-05DL	VN074465.D	15 Sep 2022 16:45	JC\MD	Ok
16	N4471-10RE	VN074466.D	15 Sep 2022 17:09	JC\MD	Confirms
17	PB147626TB	VN074467.D	15 Sep 2022 17:33	JC\MD	Ok
18	N4578-04	VN074468.D	15 Sep 2022 17:58	JC\MD	Ok
19	N4578-08	VN074469.D	15 Sep 2022 18:22	JC\MD	Ok
20	N4578-12	VN074470.D	15 Sep 2022 18:47	JC\MD	Ok
21	N4600-02	VN074471.D	15 Sep 2022 19:11	JC\MD	Ok
22	N4553-01	VN074472.D	15 Sep 2022 19:35	JC\MD	Ok
23	N4553-02	VN074473.D	15 Sep 2022 20:00	JC\MD	Ok

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN091522

Review By	John Carlone	Review On	9/16/2022 8:46:11 AM		
Supervise By	Krupa Patel	Supervise On	9/16/2022 6:12:37 PM		
SubDirectory	VN091522	HP Acquire Method		HP Processing Method	82N091522W.M

STD. NAME	STD REF.#
Tune/Reschk	VP115399,VP115401
Initial Calibration Stds	VP115404,VP115405,VP115406,VP115407,VP115408,VP115409
CCC	VP115400,VP115402,VP115403
Internal Standard/PEM	
ICV/I.BLK	VP115410
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

24	N4555-01	VN074474.D	15 Sep 2022 20:24	JC\MD	Ok
25	N4555-02	VN074475.D	15 Sep 2022 20:48	JC\MD	Ok
26	VSTDCCC050	VN074476.D	15 Sep 2022 21:13	JC\MD	Ok,M
27	BFB	VN074477.D	15 Sep 2022 22:01	JC\MD	Ok
28	VSTDCCC050	VN074478.D	15 Sep 2022 22:26	JC\MD	Ok,M
29	VN0915WBL02	VN074479.D	15 Sep 2022 23:14	JC\MD	Ok
30	VN0915WBS02	VN074480.D	15 Sep 2022 23:38	JC\MD	Ok,M
31	VN0915WBSD02	VN074481.D	16 Sep 2022 00:03	JC\MD	Ok,M
32	N4511-02	VN074482.D	16 Sep 2022 00:27	JC\MD	Ok
33	N4511-01	VN074483.D	16 Sep 2022 00:51	JC\MD	Ok
34	N4630-15	VN074484.D	16 Sep 2022 01:15	JC\MD	Ok
35	N4630-05	VN074485.D	16 Sep 2022 01:40	JC\MD	Ok
36	N4630-07	VN074486.D	16 Sep 2022 02:04	JC\MD	Ok
37	N4630-10	VN074487.D	16 Sep 2022 02:28	JC\MD	Ok
38	N4630-02	VN074488.D	16 Sep 2022 02:52	JC\MD	Ok
39	N4630-17	VN074489.D	16 Sep 2022 03:16	JC\MD	Ok
40	N4630-20	VN074490.D	16 Sep 2022 03:41	JC\MD	Ok
41	N4630-22	VN074491.D	16 Sep 2022 04:05	JC\MD	Ok
42	N4630-25	VN074492.D	16 Sep 2022 04:29	JC\MD	Ok
43	N4630-12	VN074493.D	16 Sep 2022 04:53	JC\MD	Ok
44	N4551-01	VN074494.D	16 Sep 2022 05:18	JC\MD	Ok
45	N4551-02	VN074495.D	16 Sep 2022 05:42	JC\MD	Ok
46	VSTDCCC050	VN074496.D	16 Sep 2022 06:06	JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN091722

Review By	John Carlone	Review On	9/19/2022 8:54:01 AM		
Supervise By	Mahesh Dadoda	Supervise On	9/19/2022 11:43:39 AM		
SubDirectory	VN091722	HP Acquire Method		HP Processing Method	82N091522W.M

STD. NAME	STD REF.#
Tune/Reschk	VP115444
Initial Calibration Stds	
CCC	VP115445,VP115446
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN074549.D	17 Sep 2022 12:06	JC\MD	Ok
2	VSTDCCC050	VN074550.D	17 Sep 2022 12:40	JC\MD	Ok,M
3	VN0917WBL01	VN074551.D	17 Sep 2022 13:14	JC\MD	Ok
4	VN0917WBS01	VN074552.D	17 Sep 2022 13:38	JC\MD	Not Ok
5	VN0917WBS02	VN074553.D	17 Sep 2022 14:03	JC\MD	Ok,M
6	N4648-01	VN074554.D	17 Sep 2022 14:27	JC\MD	Ok
7	N4549-20	VN074555.D	17 Sep 2022 14:51	JC\MD	Ok
8	N4549-21	VN074556.D	17 Sep 2022 15:16	JC\MD	Ok
9	N4549-22	VN074557.D	17 Sep 2022 15:40	JC\MD	Ok
10	N4549-24	VN074558.D	17 Sep 2022 16:04	JC\MD	Ok
11	N4549-23	VN074559.D	17 Sep 2022 16:29	JC\MD	Ok,M
12	N4688-01	VN074560.D	17 Sep 2022 16:53	JC\MD	ReRun
13	N4688-02	VN074561.D	17 Sep 2022 17:17	JC\MD	ReRun
14	N4688-03	VN074562.D	17 Sep 2022 17:42	JC\MD	ReRun
15	N4688-04	VN074563.D	17 Sep 2022 18:06	JC\MD	ReRun
16	N4688-05	VN074564.D	17 Sep 2022 18:30	JC\MD	ReRun
17	N4663-01	VN074565.D	17 Sep 2022 18:55	JC\MD	Ok
18	N4663-03	VN074566.D	17 Sep 2022 19:19	JC\MD	Ok,M
19	N4663-05	VN074567.D	17 Sep 2022 19:43	JC\MD	Ok
20	N4647-01	VN074568.D	17 Sep 2022 20:08	JC\MD	Dilution
21	N4647-02	VN074569.D	17 Sep 2022 20:32	JC\MD	Ok
22	N4647-05	VN074570.D	17 Sep 2022 20:56	JC\MD	Ok
23	N4647-06	VN074571.D	17 Sep 2022 21:21	JC\MD	Dilution

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN091722

Review By	John Carlone	Review On	9/19/2022 8:54:01 AM		
Supervise By	Mahesh Dadoda	Supervise On	9/19/2022 11:43:39 AM		
SubDirectory	VN091722	HP Acquire Method		HP Processing Method	82N091522W.M

STD. NAME	STD REF.#
Tune/Reschk	VP115444
Initial Calibration Stds	
CCC	VP115445,VP115446
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

24	N4663-07MS	VN074572.D	17 Sep 2022 21:45	JC\MD	Ok,M
25	N4663-08MSD	VN074573.D	17 Sep 2022 22:09	JC\MD	Ok,M
26	VSTDCCC050	VN074574.D	17 Sep 2022 22:33	JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN091922

Review By	Krupa Patel	Review On	9/21/2022 12:29:39 AM		
Supervise By	Mahesh Dadoda	Supervise On	9/21/2022 1:34:28 AM		
SubDirectory	VN091922	HP Acquire Method		HP Processing Method	82N091522W.M

STD. NAME	STD REF.#
Tune/Reschk	VP115481
Initial Calibration Stds	
CCC	VP115482,VP115483
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN074575.D	19 Sep 2022 09:31	JC\MD	Ok
2	VSTDCCC050	VN074576.D	19 Sep 2022 10:44	JC\MD	Ok,M
3	VN0919MBL01	VN074577.D	19 Sep 2022 11:25	JC\MD	Ok
4	VN0919WBL01	VN074578.D	19 Sep 2022 11:49	JC\MD	Ok
5	VN0919MBS01	VN074579.D	19 Sep 2022 12:13	JC\MD	Ok,M
6	VN0919WBS01	VN074580.D	19 Sep 2022 12:48	JC\MD	Ok,M
7	N4647-01DL	VN074581.D	19 Sep 2022 13:12	JC\MD	Ok
8	N4647-06DL	VN074582.D	19 Sep 2022 13:36	JC\MD	Ok
9	N4526-03	VN074583.D	19 Sep 2022 14:01	JC\MD	Ok,M
10	N4526-01	VN074584.D	19 Sep 2022 14:25	JC\MD	Ok
11	N4526-02	VN074585.D	19 Sep 2022 14:50	JC\MD	Ok,M
12	N4647-09	VN074586.D	19 Sep 2022 15:14	JC\MD	Ok
13	N4647-08	VN074587.D	19 Sep 2022 15:39	JC\MD	Ok
14	N4647-07	VN074588.D	19 Sep 2022 16:03	JC\MD	Ok
15	N4471-15DL2	VN074589.D	19 Sep 2022 16:28	JC\MD	Ok
16	N4680-01	VN074590.D	19 Sep 2022 16:52	JC\MD	Ok
17	N4682-01	VN074591.D	19 Sep 2022 17:17	JC\MD	Ok
18	N4684-01	VN074592.D	19 Sep 2022 17:41	JC\MD	Ok
19	N4686-01	VN074593.D	19 Sep 2022 18:06	JC\MD	Ok
20	N4566-01	VN074594.D	19 Sep 2022 18:30	JC\MD	Ok,M
21	N4566-02	VN074595.D	19 Sep 2022 18:55	JC\MD	Dilution
22	N4566-03	VN074596.D	19 Sep 2022 19:19	JC\MD	Dilution
23	N4566-04	VN074597.D	19 Sep 2022 19:44	JC\MD	Dilution

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN091922

Review By	Krupa Patel	Review On	9/21/2022 12:29:39 AM		
Supervise By	Mahesh Dadoda	Supervise On	9/21/2022 1:34:28 AM		
SubDirectory	VN091922	HP Acquire Method		HP Processing Method	82N091522W.M

STD. NAME	STD REF.#
Tune/Reschk	VP115481
Initial Calibration Stds	
CCC	VP115482,VP115483
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

24	N4647-03MS	VN074598.D	19 Sep 2022 20:08	JC\MD	Ok,M
25	N4647-04MSD	VN074599.D	19 Sep 2022 20:32	JC\MD	Ok,M
26	VSTDCCC050	VN074600.D	19 Sep 2022 20:57	JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN091522

Review By	John Carlone	Review On	9/16/2022 8:46:11 AM		
Supervise By	Krupa Patel	Supervise On	9/16/2022 6:12:37 PM		
SubDirectory	VN091522	HP Acquire Method		HP Processing Method	82N091522W.M

STD. NAME	STD REF.#
Tune/Reschk	VP115399,VP115401
Initial Calibration Stds	VP115404,VP115405,VP115406,VP115407,VP115408,VP115409
CCC	VP115400,VP115402,VP115403
Internal Standard/PEM	
ICV/I.BLK	VP115410
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN074451.D	15 Sep 2022 09:22		JC\MD	Ok
2	VSTDICC001	VSTDICC001	VN074452.D	15 Sep 2022 09:59		JC\MD	Not Ok
3	VSTDICC005	VSTDICC005	VN074453.D	15 Sep 2022 10:36	Good for DOD	JC\MD	Ok,M
4	VSTDICC010	VSTDICC010	VN074454.D	15 Sep 2022 11:00	LR--Comp #03,12,20,21,28,95,96	JC\MD	Ok,M
5	VSTDICC020	VSTDICC020	VN074455.D	15 Sep 2022 11:24		JC\MD	Ok,M
6	VSTDICCC050	VSTDICCC050	VN074456.D	15 Sep 2022 11:48		JC\MD	Ok,M
7	VSTDICC100	VSTDICC100	VN074457.D	15 Sep 2022 12:12		JC\MD	Ok,M
8	IBLK	IBLK	VN074458.D	15 Sep 2022 12:37		JC\MD	Ok
9	VSTDICC001	VSTDICC001	VN074459.D	15 Sep 2022 13:26		JC\MD	Ok,M
10	VSTDICV050	ICVVN091522	VN074460.D	15 Sep 2022 14:14	pH#Lot#V12668	JC\MD	Ok,M
11	VN0915WBL01	VN0915WBL01	VN074461.D	15 Sep 2022 14:47		JC\MD	Ok
12	VN0915WBS01	VN0915WBS01	VN074462.D	15 Sep 2022 15:21		JC\MD	Ok,M
13	VN0915WBSD01	VN0915WBSD01	VN074463.D	15 Sep 2022 15:56		JC\MD	Ok,M
14	N4471-15DL	MW-06-1.5-11.5-08312	VN074464.D	15 Sep 2022 16:20	Need 2000X, Out of hold	JC\MD	Dilution
15	N4471-05DL	MW-11A-11-16-083022	VN074465.D	15 Sep 2022 16:45	Out of hold	JC\MD	Ok
16	N4471-10RE	MW-14A-15-20-083122	VN074466.D	15 Sep 2022 17:09	vial B pH<2 Surrogate Fail, Out of hold	JC\MD	Confirms
17	PB147626TB	PB147626TB	VN074467.D	15 Sep 2022 17:33		JC\MD	Ok
18	N4578-04	CHERRY-HILL-COMP-	VN074468.D	15 Sep 2022 17:58	vial A pH#5.0	JC\MD	Ok

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN091522

Review By	John Carlone	Review On	9/16/2022 8:46:11 AM		
Supervise By	Krupa Patel	Supervise On	9/16/2022 6:12:37 PM		
SubDirectory	VN091522	HP Acquire Method		HP Processing Method	82N091522W.M

STD. NAME	STD REF.#
Tune/Reschk	VP115399,VP115401
Initial Calibration Stds	VP115404,VP115405,VP115406,VP115407,VP115408,VP115409
CCC	VP115400,VP115402,VP115403
Internal Standard/PEM	
ICV/I.BLK	VP115410
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	N4578-08	CHERRY-HILL-COMP-	VN074469.D	15 Sep 2022 18:22	vial A pH#5.0	JC\MD	Ok
20	N4578-12	CHERRY-HILL-COMP-	VN074470.D	15 Sep 2022 18:47	vial A pH#5.0	JC\MD	Ok
21	N4600-02	OH-SOIL-0913	VN074471.D	15 Sep 2022 19:11	vial A pH#5.0	JC\MD	Ok
22	N4553-01	256074-1	VN074472.D	15 Sep 2022 19:35	vial A pH<2	JC\MD	Ok
23	N4553-02	256074-2	VN074473.D	15 Sep 2022 20:00	vial A pH<2	JC\MD	Ok
24	N4555-01	257248-3	VN074474.D	15 Sep 2022 20:24	vial A pH<2	JC\MD	Ok
25	N4555-02	257248-4	VN074475.D	15 Sep 2022 20:48	vial A pH<2	JC\MD	Ok
26	VSTDCCC050	VSTDCCC050EC	VN074476.D	15 Sep 2022 21:13		JC\MD	Ok,M
27	BFB	BFB	VN074477.D	15 Sep 2022 22:01		JC\MD	Ok
28	VSTDCCC050	VSTDCCC050	VN074478.D	15 Sep 2022 22:26		JC\MD	Ok,M
29	VN0915WBL02	VN0915WBL02	VN074479.D	15 Sep 2022 23:14		JC\MD	Ok
30	VN0915WBS02	VN0915WBS02	VN074480.D	15 Sep 2022 23:38		JC\MD	Ok,M
31	VN0915WBSD02	VN0915WBSD02	VN074481.D	16 Sep 2022 00:03		JC\MD	Ok,M
32	N4511-02	S1-AQ_DM-IDW-20220	VN074482.D	16 Sep 2022 00:27	vial A pH<2	JC\MD	Ok
33	N4511-01	S1-TB-20220902	VN074483.D	16 Sep 2022 00:51	vial A pH<2	JC\MD	Ok
34	N4630-15	WC-17-4-3-GR	VN074484.D	16 Sep 2022 01:15	vial A pH#5.0	JC\MD	Ok
35	N4630-05	WC-17-4-1-GR	VN074485.D	16 Sep 2022 01:40	vial A pH#5.0	JC\MD	Ok
36	N4630-07	WC-17-4-2	VN074486.D	16 Sep 2022 02:04	vial A pH#5.0	JC\MD	Ok
37	N4630-10	WC-17-4-2-GR	VN074487.D	16 Sep 2022 02:28	vial A pH#5.0	JC\MD	Ok
38	N4630-02	WC-17-4-1	VN074488.D	16 Sep 2022 02:52	vial A pH#5.0	JC\MD	Ok

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN091522

Review By	John Carlone	Review On	9/16/2022 8:46:11 AM		
Supervise By	Krupa Patel	Supervise On	9/16/2022 6:12:37 PM		
SubDirectory	VN091522	HP Acquire Method		HP Processing Method	82N091522W.M

STD. NAME	STD REF.#
Tune/Reschk	VP115399,VP115401
Initial Calibration Stds	VP115404,VP115405,VP115406,VP115407,VP115408,VP115409
CCC	VP115400,VP115402,VP115403
Internal Standard/PEM	
ICV/I.BLK	VP115410
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

39	N4630-17	WC-17-4-4	VN074489.D	16 Sep 2022 03:16	vial A pH#5.0	JC\MD	Ok
40	N4630-20	WC-17-4-4-GR	VN074490.D	16 Sep 2022 03:41	vial A pH#5.0	JC\MD	Ok
41	N4630-22	WC-17-4-5	VN074491.D	16 Sep 2022 04:05	vial A pH#5.0	JC\MD	Ok
42	N4630-25	WC-17-4-5-GR	VN074492.D	16 Sep 2022 04:29	vial A pH#5.0	JC\MD	Ok
43	N4630-12	WC-17-4-3	VN074493.D	16 Sep 2022 04:53	vial A pH#5.0	JC\MD	Ok
44	N4551-01	251032-1	VN074494.D	16 Sep 2022 05:18	vial A pH<2	JC\MD	Ok
45	N4551-02	251032-2	VN074495.D	16 Sep 2022 05:42	vial A pH<2	JC\MD	Ok
46	VSTDCCC050	VSTDCCC050EC	VN074496.D	16 Sep 2022 06:06		JC\MD	Ok,M

M : Manual Integration

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN091722

Review By	John Carlone	Review On	9/19/2022 8:54:01 AM		
Supervise By	Mahesh Dadoda	Supervise On	9/19/2022 11:43:39 AM		
SubDirectory	VN091722	HP Acquire Method		HP Processing Method	82N091522W.M

STD. NAME	STD REF.#
Tune/Reschk	VP115444
Initial Calibration Stds	
CCC	VP115445,VP115446
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN074549.D	17 Sep 2022 12:06		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN074550.D	17 Sep 2022 12:40	pH#Lot#V12668	JC\MD	Ok,M
3	VN0917WBL01	VN0917WBL01	VN074551.D	17 Sep 2022 13:14		JC\MD	Ok
4	VN0917WBS01	VN0917WBS01	VN074552.D	17 Sep 2022 13:38	Recovery Failing low	JC\MD	Not Ok
5	VN0917WBS02	VN0917WBS02	VN074553.D	17 Sep 2022 14:03		JC\MD	Ok,M
6	N4648-01	N48854-1040	VN074554.D	17 Sep 2022 14:27	vial A pH<2	JC\MD	Ok
7	N4549-20	MW-64	VN074555.D	17 Sep 2022 14:51	vial A pH<2	JC\MD	Ok
8	N4549-21	DUP090822	VN074556.D	17 Sep 2022 15:16	vial A pH<2	JC\MD	Ok
9	N4549-22	FB090722	VN074557.D	17 Sep 2022 15:40	vial A pH<2 FB	JC\MD	Ok
10	N4549-24	TB090822	VN074558.D	17 Sep 2022 16:04	vial A pH<2 TB	JC\MD	Ok
11	N4549-23	FB090822	VN074559.D	17 Sep 2022 16:29	vial A pH<2 FB	JC\MD	Ok,M
12	N4688-01	BP-VPB-RW5-TB-2022	VN074560.D	17 Sep 2022 16:53	vial A pH<2 End CCC fails	JC\MD	ReRun
13	N4688-02	BP-VPB-RW5-DUP-202	VN074561.D	17 Sep 2022 17:17	vial A pH<2 End CCC fails	JC\MD	ReRun
14	N4688-03	BP-VPB-RW5-GW-438	VN074562.D	17 Sep 2022 17:42	vial A pH<2 End CCC fails	JC\MD	ReRun
15	N4688-04	BP-VPB-RW5-GW-463	VN074563.D	17 Sep 2022 18:06	vial A pH<2 End CCC fails	JC\MD	ReRun
16	N4688-05	BP-VPB-RW5-GW-478	VN074564.D	17 Sep 2022 18:30	vial A pH<2 End CCC fails	JC\MD	ReRun
17	N4663-01	HW-43	VN074565.D	17 Sep 2022 18:55	vial A pH<2	JC\MD	Ok
18	N4663-03	SVE-03	VN074566.D	17 Sep 2022 19:19	vial A pH<2	JC\MD	Ok,M
19	N4663-05	HW-9	VN074567.D	17 Sep 2022 19:43	vial A pH<2	JC\MD	Ok

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN091722

Review By	John Carlone	Review On	9/19/2022 8:54:01 AM		
Supervise By	Mahesh Dadoda	Supervise On	9/19/2022 11:43:39 AM		
SubDirectory	VN091722	HP Acquire Method		HP Processing Method	82N091522W.M

STD. NAME	STD REF.#
Tune/Reschk	VP115444
Initial Calibration Stds	
CCC	VP115445,VP115446
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

20	N4647-01	1034-MW-01(23)	VN074568.D	17 Sep 2022 20:08	vial A pH<2 Need 5X	JC\MD	Dilution
21	N4647-02	1035-MW-02(23.8)	VN074569.D	17 Sep 2022 20:32	vial A pH<2	JC\MD	Ok
22	N4647-05	1036-MW-03A(17)	VN074570.D	17 Sep 2022 20:56	vial A pH<2	JC\MD	Ok
23	N4647-06	1037-MW-11(15)	VN074571.D	17 Sep 2022 21:21	vial A pH<2 Need 10x	JC\MD	Dilution
24	N4663-07MS	HW-43MS	VN074572.D	17 Sep 2022 21:45	vial A pH<2	JC\MD	Ok,M
25	N4663-08MSD	HW-43MSD	VN074573.D	17 Sep 2022 22:09	vial A pH<2	JC\MD	Ok,M
26	VSTDCCC050	VSTDCCC050EC	VN074574.D	17 Sep 2022 22:33	Bromomethane fail	JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN091922

Review By	Krupa Patel	Review On	9/21/2022 12:29:39 AM		
Supervise By	Mahesh Dadoda	Supervise On	9/21/2022 1:34:28 AM		
SubDirectory	VN091922	HP Acquire Method		HP Processing Method	82N091522W.M

STD. NAME	STD REF.#
Tune/Reschk	VP115481
Initial Calibration Stds	
CCC	VP115482,VP115483
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN074575.D	19 Sep 2022 09:31		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN074576.D	19 Sep 2022 10:44	pH#Lot#V12668	JC\MD	Ok,M
3	VN0919MBL01	VN0919MBL01	VN074577.D	19 Sep 2022 11:25		JC\MD	Ok
4	VN0919WBL01	VN0919WBL01	VN074578.D	19 Sep 2022 11:49		JC\MD	Ok
5	VN0919MBS01	VN0919MBS01	VN074579.D	19 Sep 2022 12:13		JC\MD	Ok,M
6	VN0919WBS01	VN0919WBS01	VN074580.D	19 Sep 2022 12:48		JC\MD	Ok,M
7	N4647-01DL	1034-MW-01(23)DL	VN074581.D	19 Sep 2022 13:12	vial B pH<2	JC\MD	Ok
8	N4647-06DL	1037-MW-11(15)DL	VN074582.D	19 Sep 2022 13:36	vial B pH<2	JC\MD	Ok
9	N4526-03	INF-0907	VN074583.D	19 Sep 2022 14:01	vial B pH<2	JC\MD	Ok,M
10	N4526-01	EFF-0907	VN074584.D	19 Sep 2022 14:25	vial B pH<2	JC\MD	Ok
11	N4526-02	MID-0907	VN074585.D	19 Sep 2022 14:50	vial B pH<2	JC\MD	Ok,M
12	N4647-09	1040-TB090822	VN074586.D	19 Sep 2022 15:14	vial A pH<2	JC\MD	Ok
13	N4647-08	1039-FB090822	VN074587.D	19 Sep 2022 15:39	vial A pH<2	JC\MD	Ok
14	N4647-07	1038-MW-17A(15.5)	VN074588.D	19 Sep 2022 16:03	vial A pH<2	JC\MD	Ok
15	N4471-15DL2	MW-06-1.5-11.5-08312	VN074589.D	19 Sep 2022 16:28	vial B pH<2 Out of hold	JC\MD	Ok
16	N4680-01	5869-2	VN074590.D	19 Sep 2022 16:52	vial A pH<2	JC\MD	Ok
17	N4682-01	006-2	VN074591.D	19 Sep 2022 17:17	vial A pH<2	JC\MD	Ok
18	N4684-01	5486-2	VN074592.D	19 Sep 2022 17:41	vial A pH<2	JC\MD	Ok
19	N4686-01	5486-1	VN074593.D	19 Sep 2022 18:06	vial A pH<2	JC\MD	Ok

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN091922

Review By	Krupa Patel	Review On	9/21/2022 12:29:39 AM		
Supervise By	Mahesh Dadoda	Supervise On	9/21/2022 1:34:28 AM		
SubDirectory	VN091922	HP Acquire Method		HP Processing Method	82N091522W.M

STD. NAME	STD REF.#
Tune/Reschk	VP115481
Initial Calibration Stds	
CCC	VP115482,VP115483
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

20	N4566-01	MW-2	VN074594.D	19 Sep 2022 18:30	vial A pH<2	JC\MD	Ok,M
21	N4566-02	MW-7	VN074595.D	19 Sep 2022 18:55	vial A pH<2 Surrogate fail, need 5x and 50x	JC\MD	Dilution
22	N4566-03	MW-1	VN074596.D	19 Sep 2022 19:19	vial A pH<2 Surrogate Fail, ISTD Fail, Need 10x and 100x	JC\MD	Dilution
23	N4566-04	MW-GR	VN074597.D	19 Sep 2022 19:44	vial A pH<2 Surrogate Fail, ISTD Fail, Need 500x	JC\MD	Dilution
24	N4647-03MS	1035-MW-02(23.8)MS	VN074598.D	19 Sep 2022 20:08	vial A pH<2	JC\MD	Ok,M
25	N4647-04MSD	1035-MW-02(23.8)MSD	VN074599.D	19 Sep 2022 20:32	vial A pH<2	JC\MD	Ok,M
26	VSTDCCC050	VSTDCCC050EC	VN074600.D	19 Sep 2022 20:57		JC\MD	Ok,M

M : Manual Integration

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Prep Standard - Chemical Standard Summary

Order ID : N4647

Test : VOC-TCLVOA-10

Prepbatch ID :

Sequence ID/Qc Batch ID: VN091722,VN091922,

Standard ID :
VP112787,VP113990,VP115101,VP115203,VP115359,VP115432,VP115433,VP115444,VP115445,VP115446,VP115481,
VP115482,VP115483,

Chemical ID :
V10600,V11274,V11275,V12010,V12080,V12224,V12381,V12382,V12409,V12410,V12558,V12679,V12681,V12738,V12
739,V12740,V12757,V12766,V12779,V12780,V12865,V12866,V12867,V12877,V12878,V12918,V12999,V13016,V13075
,V13180,V13181,V13182,V13224,W2606,

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
218	BFB, 25PPM	VP112787	06/12/2022	12/12/2022	Semsettin Yesilyurt	None	None	Mahesh Dadoda 06/14/2022

FROM 0.50000ml of V10600 + 49.50000ml of V12918 = Final Quantity: 50.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
719	8260 Working STD (BCM)-First source, 400PPM	VP113990	07/28/2022	01/28/2023	Semsettin Yesilyurt	None	None	Mahesh Dadoda 07/29/2022

FROM 1.00000ml of V12757 + 1.00000ml of V12766 + 1.00000ml of V12865 + 1.00000ml of V12866 + 1.00000ml of V12867 + 20.00000ml of V13016 = Final Quantity: 25.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
257	8260 Calibration Working STD Mix-First source, 160PPM	VP115101	09/06/2022	10/15/2022	Semsettin Yesilyurt	None	None	Mahesh Dadoda 09/07/2022

FROM 0.40000ml of V12224 + 1.00000ml of V12381 + 1.00000ml of V12382 + 1.00000ml of V12409 + 1.00000ml of V12410 + 1.00000ml of V12558 + 1.00000ml of V12679 + 1.00000ml of V12681 + 1.00000ml of V12738 + 1.00000ml of V12877 + 1.00000ml of V12878 + 1.00000ml of V13075 + 1.50000ml of V12739 + 1.50000ml of V12740 + 10.60000ml of V12999 = Final Quantity: 25.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
51	8260 Working STD (Acrolein) -first source, 800PPM	VP115203	09/08/2022	10/07/2022	Semsettin Yesilyurt	None	None	Mahesh Dadoda 09/09/2022

FROM 1.00000ml of V13182 + 1.50000ml of V13180 + 1.50000ml of V13181 + 21.00000ml of V12999 = Final Quantity: 25.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1810	8260 Working Std(2-CVE)-800ppm	VP115359	09/14/2022	03/14/2023	Semsettin Yesilyurt	None	None	Mahesh Dadoda 09/14/2022

FROM 1.00000ml of V11274 + 1.00000ml of V11275 + 1.00000ml of V12779 + 1.00000ml of V12780 + 46.00000ml of V13224 = Final Quantity: 50.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
247	8260 Internal Standard, 250PPM	VP115432	09/16/2022	01/15/2023	Semsettin Yesilyurt	None	None	Mahesh Dadoda 09/19/2022

FROM 0.25000ml of V12080 + 24.75000ml of V13224 = Final Quantity: 25.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
617	8260 Surrogate, 400PPM	VP115433	09/16/2022	03/14/2023	Semsettin Yesilyurt	None	None	Mahesh Dadoda 09/19/2022

FROM 0.40000ml of V12010 + 24.60000ml of V13224 = Final Quantity: 25.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
589	BFB TUNE CHECK	VP115444	09/17/2022	09/18/2022	John Carlone	None	None	Mahesh Dadoda 09/19/2022

FROM 39.98400ml of W2606 + 0.01600ml of VP112787 = Final Quantity: 40.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
620	50 PPB CCC, 8260-Water	VP115445	09/17/2022	09/18/2022	John Carlone	None	None	Mahesh Dadoda 09/19/2022

FROM 39.94450ml of W2606 + 0.00500ml of VP113990 + 0.00500ml of VP115433 + 0.00800ml of VP115432 + 0.01250ml of VP115101 + 0.01250ml of VP115203 + 0.01250ml of VP115359 = Final Quantity: 40.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
620	50 PPB CCC, 8260-Water	VP115446	09/17/2022	09/18/2022	John Carlone	None	None	Mahesh Dadoda 09/19/2022

FROM 39.94450ml of W2606 + 0.00500ml of VP113990 + 0.00500ml of VP115433 + 0.00800ml of VP115432 + 0.01250ml of VP115101 + 0.01250ml of VP115203 + 0.01250ml of VP115359 = Final Quantity: 40.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
589	BFB TUNE CHECK	VP115481	09/19/2022	09/20/2022	John Carlone	None	None	Krupa Patel 09/19/2022

FROM 39.98400ml of W2606 + 0.01600ml of VP112787 = Final Quantity: 40.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
620	50 PPB CCC, 8260-Water	VP115482	09/19/2022	09/20/2022	John Carlone	None	None	Krupa Patel 09/19/2022

FROM 39.94450ml of W2606 + 0.00500ml of VP113990 + 0.00500ml of VP115433 + 0.00800ml of VP115432 + 0.01250ml of VP115101 + 0.01250ml of VP115203 + 0.01250ml of VP115359 = Final Quantity: 40.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
620	50 PPB CCC, 8260-Water	VP115483	09/19/2022	09/20/2022	John Carlone	None	None	Krupa Patel 09/19/2022

FROM 39.94450ml of W2606 + 0.00500ml of VP113990 + 0.00500ml of VP115433 + 0.00800ml of VP115432 + 0.01250ml of VP115101 + 0.01250ml of VP115203 + 0.01250ml of VP115359 = Final Quantity: 40.000 ml

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30067 / BFB tuneing solution	A0147670	12/12/2022	06/12/2022 / SAM	01/09/2020 / sam	V10600

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95318 / 2-Chloroethyl Vinyl Ether (Min = 5)	082620	03/14/2023	09/14/2022 / SAM	09/18/2020 / sam	V11274

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95318 / 2-Chloroethyl Vinyl Ether (Min = 5)	082620	03/14/2023	09/14/2022 / SAM	09/18/2020 / sam	V11275

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555582 / Custom Mixture, 8260 A/B Surrogate Mix [CS 5179-2]	A0173020	03/16/2023	09/16/2022 / SAM	06/04/2021 / SAM	V12010

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555581 / Custom Standard, 8260 Internal Std [CS 5179-1]	A0173600	01/15/2023	07/15/2022 / SAM	06/22/2021 / SAM	V12080

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30470 / VOA Stock Solution, tert-butanol std, 1mL, P&TM	A0168291	01/25/2023	07/25/2022 / SAM	10/15/2021 / SAM	V12224

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL	A0172109	11/30/2022	09/03/2022 / SAM	11/19/2021 / SAM	V12381

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL	A0172109	11/30/2022	09/03/2022 / SAM	11/19/2021 / SAM	V12382

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95319 / Revised Additions Mix (Min = 5)	031921	03/03/2023	09/03/2022 / SAM	11/30/2021 / SAM	V12409

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95319 / Revised Additions Mix (Min = 5)	031921	03/03/2023	09/03/2022 / SAM	11/30/2021 / SAM	V12410

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555408 / Custom Standard, Vinyl Acetate Standard w/ Grav [CS 5066-6] TWO SEPARATE LOTS	A0179389	03/03/2023	09/03/2022 / SAM	12/30/2021 / SAM	V12558

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30042 / VOA Mix,500 series method 502.2 Calibration Std #1 gases, 2000uq/ml, PTM, 1ml	A0177872	03/03/2023	09/03/2022 / SAM	03/07/2022 / SAM	V12679

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30042 / VOA Mix,500 series method 502.2 Calibration Std #1 gases, 2000uq/ml, PTM, 1ml	A0177872	03/03/2023	09/03/2022 / SAM	03/07/2022 / SAM	V12681

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A0179406	03/03/2023	09/03/2022 / SAM	03/07/2022 / SAM	V12738

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A0179406	03/03/2023	09/03/2022 / SAM	03/07/2022 / SAM	V12739

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A0179406	03/03/2023	09/03/2022 / SAM	03/07/2022 / SAM	V12740

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0176219	01/28/2023	07/28/2022 / SAM	03/25/2022 / SAM	V12757

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0176219	01/28/2023	07/28/2022 / SAM	03/25/2022 / SAM	V12766

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95318 / 2-Chloroethyl Vinyl Ether (Min = 5)	121321	03/14/2023	09/14/2022 / SAM	03/30/2022 / SAM	V12779

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95318 / 2-Chloroethyl Vinyl Ether (Min = 5)	121321	03/14/2023	09/14/2022 / SAM	03/30/2022 / SAM	V12780

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0183824	01/28/2023	07/28/2022 / SAM	04/22/2022 / SAM	V12865

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0183824	01/28/2023	07/28/2022 / SAM	04/22/2022 / SAM	V12866

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0183824	01/28/2023	07/28/2022 / SAM	04/22/2022 / SAM	V12867

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95317 / Universal VOA Mega Mix (Min order = 5)	042921	03/03/2023	09/03/2022 / SAM	04/26/2022 / SAM	V12877

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95317 / Universal VOA Mega Mix (Min order = 5)	042921	03/05/2023	09/03/2022 / SAM	04/26/2022 / SAM	V12878

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	0000288059	12/12/2022	06/12/2022 / SAM	06/02/2022 / SAM	V12918

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	0000288059	02/19/2023	08/19/2022 / SAM	07/11/2022 / SAM	V12999

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	0000288323	01/28/2023	07/28/2022 / SAM	07/11/2022 / SAM	V13016

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555408 / Custom Standard, Vinyl Acetate Standard w/ Grav [CS 5066-6] TWO SEPARATE LOTS	A0187424	03/03/2023	09/03/2022 / SAM	08/12/2022 / SAM	V13075

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	090722	10/07/2022	09/08/2022 / SAM	09/08/2022 / SAM	V13180

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	090722	10/07/2022	09/08/2022 / SAM	09/08/2022 / SAM	V13181

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	090722	10/07/2022	09/08/2022 / SAM	09/08/2022 / SAM	V13182

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	0000288323	03/14/2023	09/14/2022 / SAM	09/13/2022 / SAM	V13224

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	10/24/2024	10/24/2019 / apatel	10/24/2019 / apatel	W2606

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ilac-MRA

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0179406

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2025 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Acetone **CAS #** 67-64-1 **Purity** 99% (Lot SHBN3661)	5,037.5 µg/mL	+/- 29.2885 µg/mL +/- 303.9347 µg/mL +/- 304.6563 µg/mL	Gravimetric Unstressed Stressed
2	2-Butanone (MEK) **CAS #** 78-93-3 **Purity** 99% (Lot SHBL5543)	5,034.3 µg/mL	+/- 29.2700 µg/mL +/- 303.7436 µg/mL +/- 304.4648 µg/mL	Gravimetric Unstressed Stressed
3	4-Methyl-2-pentanone (MIBK) **CAS #** 108-10-1 **Purity** 99% (Lot SHBM7956)	5,032.2 µg/mL	+/- 29.2575 µg/mL +/- 303.6129 µg/mL +/- 304.3337 µg/mL	Gravimetric Unstressed Stressed
4	2-Hexanone **CAS #** 591-78-6 **Purity** 99% (Lot MKCL1599)	5,033.7 µg/mL	+/- 29.2662 µg/mL +/- 303.7034 µg/mL +/- 304.4245 µg/mL	Gravimetric Unstressed Stressed

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

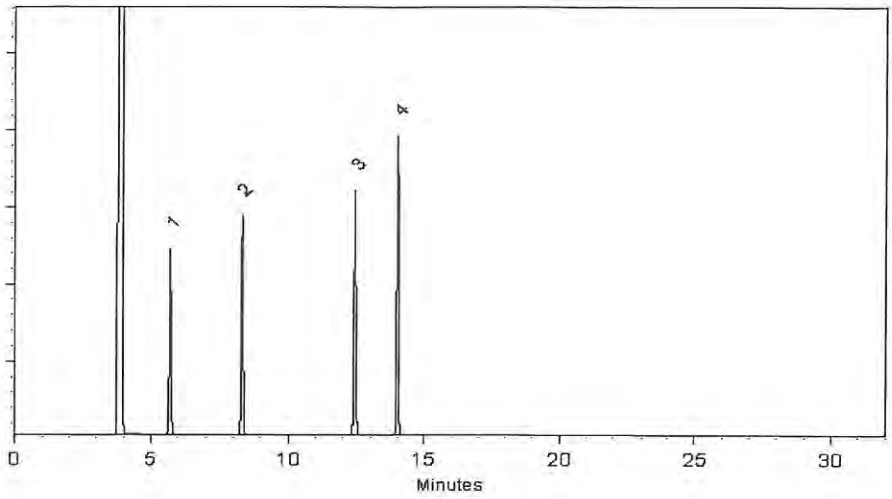
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Clara Windle - Operations Technician I

Date Mixed: 09-Dec-2021 **Balance:** B707717271

Date Passed: 13-Dec-2021

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 082620
Description: 2-Chloroethyl vinyl ether

Expiration Date: 082623
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 23060

Weight(s) shown below were combined and diluted to (mL): 30.0

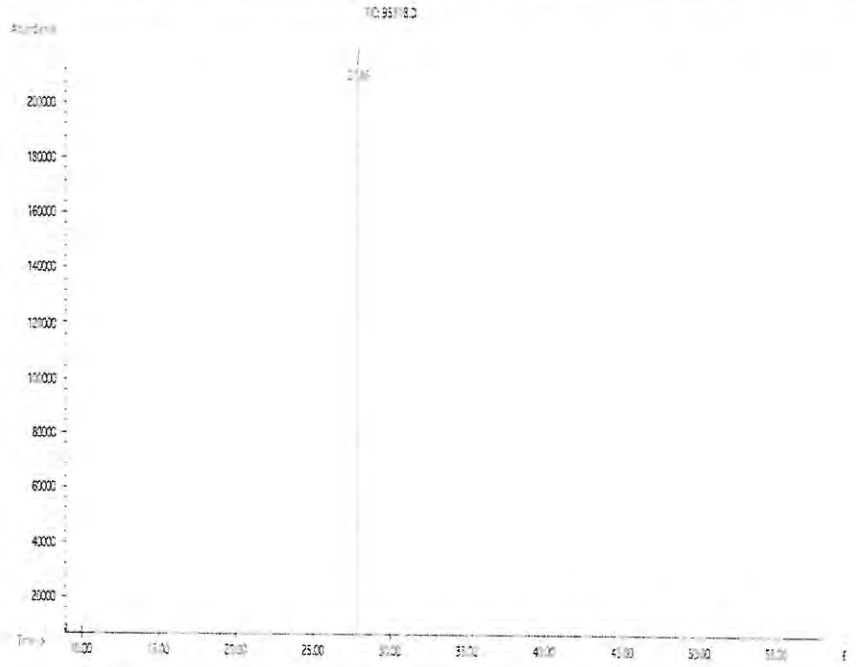
Solvent(s): **Lot#**
Methanol DX932-US

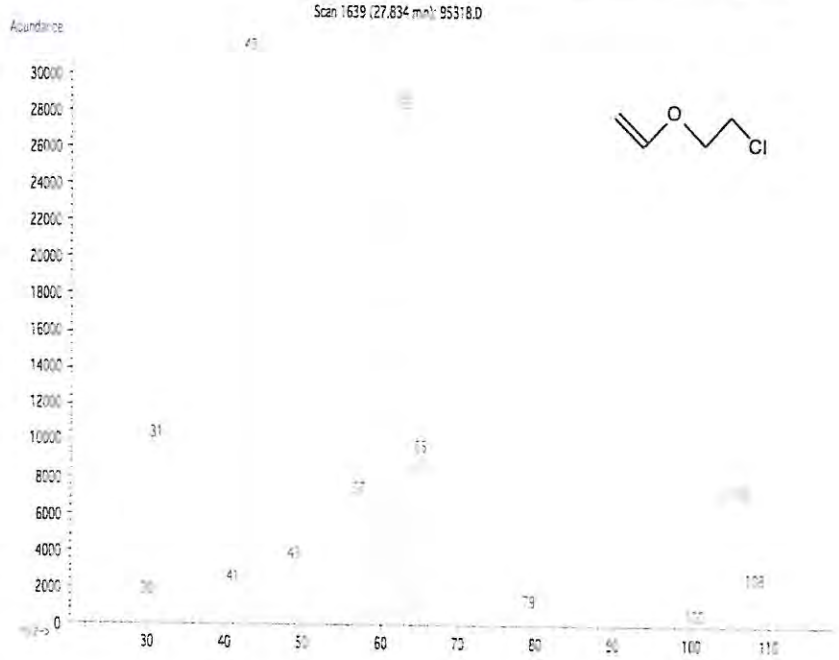
5E-05 Balance Uncertainty
0.002 Flask Uncertainty

Formulated By:	Benson Chan	082620 DATE
Reviewed By:	Pedro L. Rentas	082620 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.30284	0.30289	10001.7	40.6	110-75-8	N/A	orl-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Absolute Standards Inc.
PO Box 5585
Hamden, CT 06518-0585
Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** May 1, 2015

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**

Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Absolute Standards Inc.
PO Box 5585
Hamden, CT 06518-0585
Phone: 203-281-2917
FAX: 203-281-2922

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	Vapours may form explosive mixture with air.
Conditions to avoid	Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid	Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids

Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

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CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 090722
Description: Acrolein

Expiration Date: 100722
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

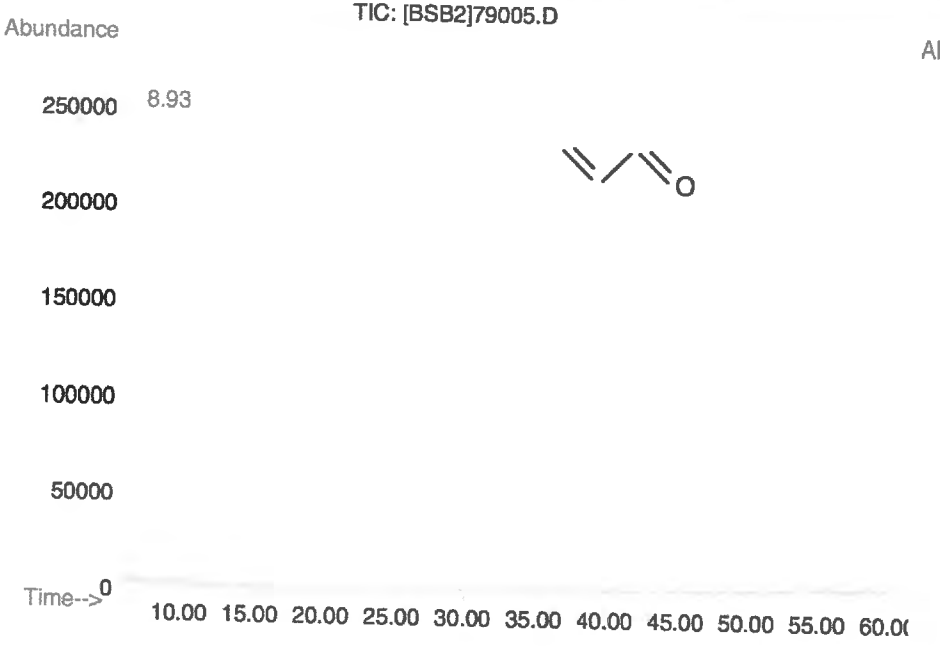
Solvent(s): Water **Lot#** 091321Q

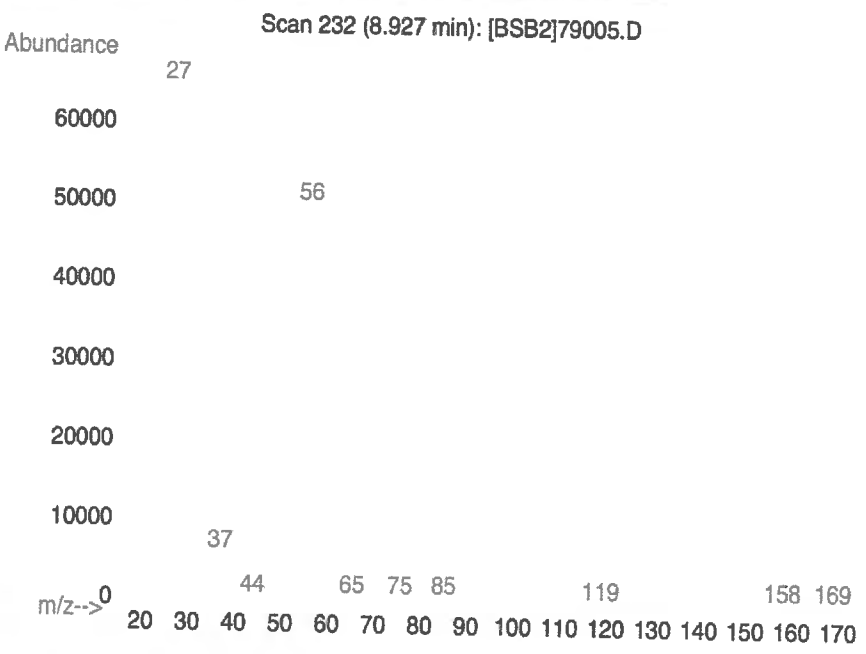
Weight(s) shown below were combined and diluted to (mL): 10.0 | 5E-05 Balance Uncertainty | 0.002 Flask Uncertainty

Formulated By:	Prashant Chauhan	090722 DATE
Reviewed By:	Pedro L. Rentas	090722 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	13025700	5000	97	0.5	0.05166	0.05176	5009.9	52.6	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





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Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 121321
Description: 2-Chloroethyl vinyl ether

Expiration Date: 121324
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

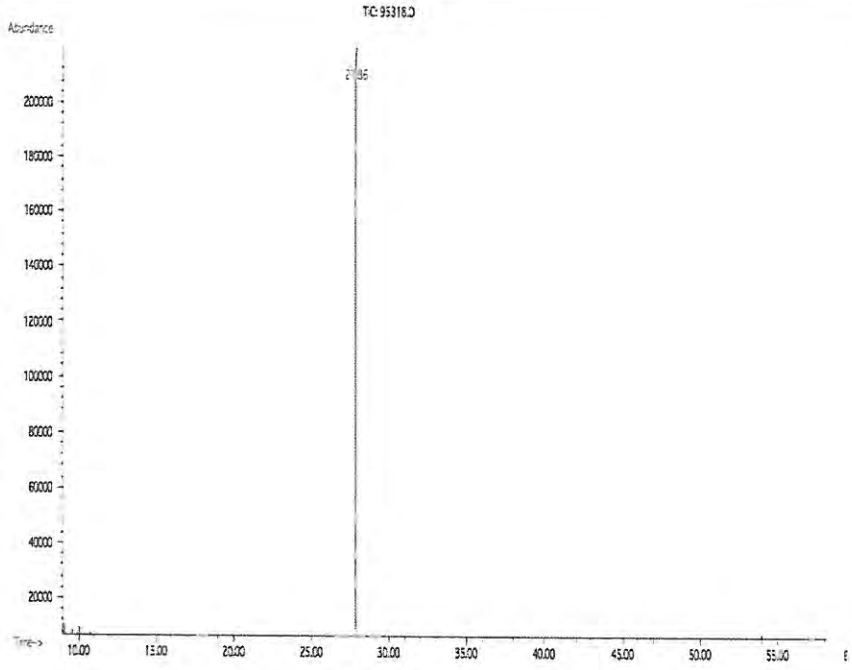
Solvent(s): **Lot#**
Methanol EA899-US

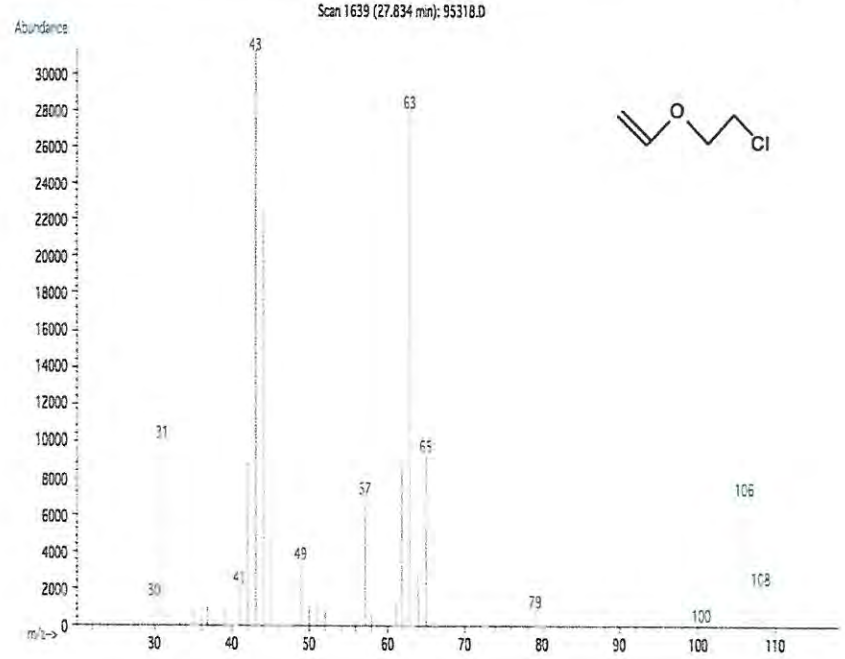
Weight(s) shown below were combined and diluted to (mL): 30.0 5E-05 Balance Uncertainty 0.0003 Flask Uncertainty

		121321
Formulated By:	Benson Chan	DATE
		121321
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.30320	0.30411	10030.2	40.7	110-75-8	N/A	orl-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





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RESTEK®
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ilac-MRA

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30489 **Lot No.:** A0172109

Description : 8260B Acetates Mix

8260B Acetates Mix 2,000 µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2022 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Methyl acetate **CAS #** 79-20-9 **Purity** 99% (Lot SHBK5436)	2,016.7 µg/mL	+/- 11.8349 µg/mL +/- 121.6851 µg/mL +/- 121.9739 µg/mL	Gravimetric Unstressed Stressed
2	Vinyl acetate **CAS #** 108-05-4 **Purity** 99% (Lot RD200601)	2,016.7 µg/mL	+/- 11.8349 µg/mL +/- 121.6851 µg/mL +/- 121.9739 µg/mL	Gravimetric Unstressed Stressed
3	Ethyl acetate **CAS #** 141-78-6 **Purity** 99% (Lot SHBM3421)	2,018.3 µg/mL	+/- 11.8447 µg/mL +/- 121.7856 µg/mL +/- 122.0747 µg/mL	Gravimetric Unstressed Stressed
4	Isopropyl acetate **CAS #** 108-21-4 **Purity** 99% (Lot BCBZ4645)	2,007.7 µg/mL	+/- 11.7821 µg/mL +/- 121.1420 µg/mL +/- 121.4296 µg/mL	Gravimetric Unstressed Stressed
5	Propyl acetate **CAS #** 109-60-4 **Purity** 99% (Lot ZJZVG)	2,007.3 µg/mL	+/- 11.7802 µg/mL +/- 121.1219 µg/mL +/- 121.4094 µg/mL	Gravimetric Unstressed Stressed
6	Butyl acetate **CAS #** 123-86-4 **Purity** 99% (Lot SHBM7214)	2,002.3 µg/mL	+/- 11.7508 µg/mL +/- 120.8202 µg/mL +/- 121.1070 µg/mL	Gravimetric Unstressed Stressed
7	Amyl acetate **CAS #** 628-63-7 **Purity** 99% (Lot 41325/1)	2,008.3 µg/mL	+/- 11.7860 µg/mL +/- 121.1822 µg/mL +/- 121.4699 µg/mL	Gravimetric Unstressed Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:
Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

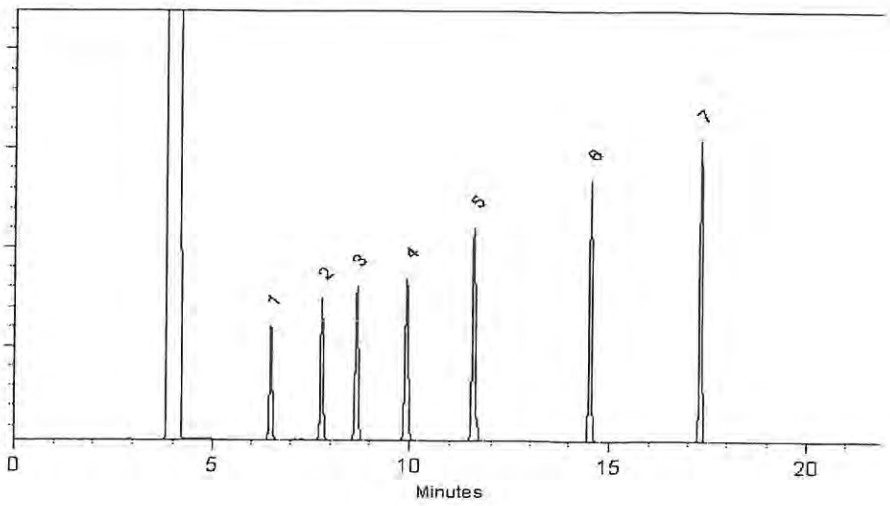
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Russ Bookhamer - Operations Technician I

Date Mixed: 06-May-2021 **Balance:** 1128360905

Alexis Shelow - Operations Tech I

Date Passed: 10-May-2021

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

RESTEK®
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Gravimetric Certificate

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555582 **Lot No.:** A0173020

Description : Custom 8260A/B Surrogate Mix

Custom 8260A/B Surrogate Mix 25,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2024 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	1,2-Dichloroethane-d4 **CAS #** 17060-07-0 (Lot PR-29377) **Purity** 99%	25,060.0 µg/mL	+/- 231.9100 µg/mL +/- 1,416.6261 µg/mL +/- 1,449.2417 µg/mL	Gravimetric Unstressed Stressed
2	1-Bromo-4-fluorobenzene (BFB) **CAS #** 460-00-4 (Lot 20401KO) **Purity** 99%	25,188.0 µg/mL	+/- 233.0945 µg/mL +/- 1,423.8618 µg/mL +/- 1,456.6441 µg/mL	Gravimetric Unstressed Stressed
3	Dibromofluoromethane **CAS #** 1868-53-7 (Lot 012021) **Purity** 99%	25,212.0 µg/mL	+/- 233.3166 µg/mL +/- 1,425.2185 µg/mL +/- 1,458.0320 µg/mL	Gravimetric Unstressed Stressed
4	Toluene-d8 **CAS #** 2037-26-5 (Lot PR-31750) **Purity** 99%	25,104.0 µg/mL	+/- 232.3171 µg/mL +/- 1,419.1134 µg/mL +/- 1,451.7863 µg/mL	Gravimetric Unstressed Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Lane Kibe - Mix Technician Date Mixed: 03-Jun-2021 Balance: B251644995

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

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$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
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0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

RESTEK

Safety Data Sheet

Revision Date: 05/24/21
www.restek.com

2 Letter ISO country code/language code: US/EN

1. IDENTIFICATION

Catalog Number / Product Name:	**555582 / Custom 8260A/B Surrogate Mix**
Company:	Restek Corporation
Address:	110 Benner Circle Bellefonte, Pa. 16823
Phone#:	814-353-1300
Fax#:	814-353-1309
Emergency#:	800-424-9300 (CHEMTREC) 703-527-3887 (Outside the US)
Email:	www.restek.com
Revision Number:	7
Intended use:	For Laboratory use only

2. HAZARD(S)IDENTIFICATION

Emergency Overview:

GHS Hazard Symbols:

GHS Classification:	Specific Target Organ Systemic Toxicity (STOT) - Single Exposure Category 1 Flammable Liquid Category 2 Acute Toxicity - Dermal Category 3 Acute Toxicity - Oral Category 3
GHS Signal Word:	Danger
GHS Hazard:	Highly flammable liquid and vapour. Toxic if swallowed or in contact with skin. Causes damage to organs.
GHS Precautions:	
Safety Precautions:	Keep away from heat/sparks/open flames/hot surfaces. – No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilation and lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Do not breathe dust/fume/gas/mist/vapours/spray. Wash hands and skin thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves/protective clothing/eye protection/face protection.
First Aid Measures:	IF SWALLOWED: Immediately call a POISON CENTER/doctor/.... IF ON SKIN: Wash with plenty of soap and water. IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. IF exposed: Call a POISON CENTER or doctor/physician. Call a POISON CENTER or doctor/physician if you feel unwell. Specific treatment see section 4. Rinse mouth. Take off immediately all contaminated clothing and wash it before reuse. In case of fire: Use extinguishing media in section 5 for extinction.

Storage:	Keep container tightly closed. Store in a well-ventilated place. Keep cool. Store locked up.
Disposal:	Dispose of contents/container according to section 13 of the SDS.
Single Exposure Target Organs:	Specific target organ toxicity - Single exposure - STOT SE 1: H370 Causes damage to organs. (C >= 10 %; No information to prove exclusion of certain routes of exposure); Specific target organ toxicity - Single exposure - STOT SE 2: H371 May cause damage to organs. (3 % <= C <10 %; Concentration limits for acute toxicity cannot be translated into GHS from the DSD especially when minimum classifications are given)
Repeated Exposure Target Organs:	No data available

3. COMPOSITION / INFORMATION ON INGREDIENT

Chemical Name	CAS #	EINEC #	% Composition
P&T Methanol	67-56-1	200-659-6	90
1-Bromo-4-fluorobenzene (BFB)	460-00-4	207-300-2	2.5
1,2-dichloroethane-d4	17060-07-0		2.5
dibromofluoromethane	1868-53-7		2.5
toluene-d8	2037-26-5	218-009-5	2.5

4. FIRST-AID MEASURES

Inhalation:	Remove to fresh air. If breathing is difficult, have a trained individual administer oxygen. If not breathing, give artificial respiration and have a trained individual administer oxygen. Get medical attention immediately
Eyes:	Flush eyes with plenty of water for at least 20 minutes retracting eyelids often. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Get immediate medical attention.
Skin Contact:	Wash with soap and water. Remove contaminated clothing and launder. Get medical attention if irritation develops or persists.
Ingestion:	Do not induce vomiting and seek medical attention immediately. Drink two glasses of water or milk to dilute. Provide medical care provider with this SDS.

5. FIRE- FIGHTING MEASURES

Extinguishing Media:	Use alcohol resistant foam, carbon dioxide, or dry chemical extinguishing agents. Water may be ineffective but water spray can be used extinguish a fire if swept across the base of the flames. Water can absorb heat and keep exposed material from being damaged by fire.
Fire and/or Explosion Hazards:	Vapors may be ignited by heat, sparks, flames or other sources of ignition at or above the low flash point giving rise to a fire (Class B). Vapors are heavier than air and may travel to a source of ignition and flash back.
Fire Fighting Methods and Protection:	Do not enter fire area without proper protection including self-contained breathing apparatus and full protective equipment. Fight fire from a safe distance and a protected location due to the potential of hazardous vapors and decomposition products. Flammable component(s) of this material may be lighter than water and burn while floating on the surface.
Hazardous Combustion Products:	Carbon dioxide, Carbon monoxide

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions and Equipment:	Exposure to the spilled material may be severely irritating or toxic. Follow personal protective equipment recommendations found in Section 8 of this SDS. Personal protective equipment needs must be evaluated based on information provided on this sheet and the special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred, and the expertise of employees in the area responding to the spill. Never exceed any occupational exposure limits.
Methods for Clean-up:	Prevent the spread of any spill to minimize harm to human health and the

environment if safe to do so. Wear complete and proper personal protective equipment following the recommendation of Section 8 at a minimum. Dike with suitable absorbent material like granulated clay. Gather and store in a sealed container pending a waste disposal evaluation.

7. HANDLING AND STORAGE

Handling Technical Measures and Precautions: Toxic or severely irritating material. Avoid contacting and avoid breathing the material. Use only in a well ventilated area. Use spark-proof tools and explosion-proof equipment

Storage Technical Measures and Conditions: Store in a cool dry ventilated location. Isolate from incompatible materials and conditions. Keep container(s) closed. Keep away from sources of ignition

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

United States:

Chemical Name	CAS No.	IDLH	ACGIH STEL	ACGIH TLV-TWA	OSHA Exposure Limit
P&T Methanol	67-56-1	6000 ppm IDLH	250 ppm STEL	200 ppm TWA	200 ppm TWA; 260 mg/m3 TWA
1-Bromo-4-fluorobenzene (BFB)	460-00-4	Not established	None Known	Not established	No data available
1,2-dichloroethane-d4	17060-07-0	Not established	None Known	Not established	No data available
dibromofluoromethane	1868-53-7	Not established	None Known	Not established	No data available
toluene-d8	2037-26-5	Not established	None Known	Not established	No data available

Personal Protection:

Engineering Measures: Local exhaust ventilation is recommended when generating excessive levels of vapours from handling or thermal processing.

Respiratory Protection: Respiratory protection may be required to avoid overexposure when handling this product. General or local exhaust ventilation is the preferred means of protection. Use a respirator if general room ventilation is not available or sufficient to eliminate symptoms.If an exposure limit is exceeded or if an operator is experiencing symptoms of inhalation overexposure as explained in Section 3, provide respiratory protection.

Eye Protection: Wear chemically resistant safety glasses with side shields when handling this product. Do not wear contact lenses.

Skin Protection: Wear protective gloves. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance, color:	No data available
Odor:	Mild
Physical State:	No data available
pH:	Not applicable
Vapor Pressure:	No data available
Vapor Density:	1.1 (air = 1)
Boiling Point (°C):	151.5 °C Boiling Point (at 1013.25 hPa) 64.7 °C at 760 mmHg (HSDB)
Melting Point (°C):	-98 °C
Flash Point (°F):	50
Flammability:	Highly Flammable
Upper Flammable/Explosive Limit, % in air:	36
Lower Flammable/Explosive Limit, % in air:	6
Autoignition Temperature (°C):	464 deg C
Decomposition Temperature (°C):	No data available
Specific Gravity:	0.791 - 0.792 g/cm3 at 20 °C
Evaporation Rate:	No data available
Odor Threshold:	No data available
Solubility:	Moderate; 50-99%

Partition Coefficient: n-octanol in water:	No data available
VOC % by weight:	90
Molecular Weight:	32.04

10. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions.
Conditions to Avoid:	None known.
Materials to Avoid / Chemical Incompatiability:	Strong oxidizing agents
Hazardous Decomposition Products:	Carbon dioxide Carbon monoxide

11. TOXICOLOGICAL INFORMATION

Routes of Entry:	Inhalation, Skin Contact, Eye Contact, Ingestion
Target Organs Potentially Affected By Exposure:	Eyes, Central nervous system stimulation, Skin, GI Tract, Respiratory Tract
Chemical Interactions That Change Toxicity:	None Known

Immediate (Acute) Health Effects by Route of Exposure:

Inhalation Irritation:	Can cause moderate respiratory irritation, dizziness, weakness, fatigue, nausea and headache.
Inhalation Toxicity:	Harmful! Can cause systemic damage (see "Target Organs)Methanol can cause central nervous system depression and overexposure can cause damage to the optic nerve resulting in visual impairment or blindness.
Skin Contact:	Can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage.
Eye Contact:	Can cause moderate irritation, tearing and reddening, but not likely to permanently injure eye tissue.
Ingestion Irritation:	Irritating to mouth, throat, and stomach. Can cause abdominal discomfort, nausea, vomiting and diarrhea.Highly toxic and may be fatal if swallowed.
Ingestion Toxicity:	Toxic if swallowed. May cause target organ failure and/or death.May be fatal if swallowed.

Long-Term (Chronic) Health Effects:

Carcinogenicity:	No data.
Reproductive and Developmental Toxicity:	No data available to indicate product or any components present at greater than 0.1% may cause birth defects.
Inhalation:	Upon prolonged and/or repeated exposure, can cause moderate respiratory irritation, dizziness, weakness, fatigue, nausea and headache.Harmful! Can cause systemic damage upon prolonged and/or repeated exposure (see "Target Organs)
Skin Contact:	Upon prolonged or repeated contact, can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage.
Ingestion:	Toxic if swallowed. May cause target organ failure and/or death.

Component Toxicological Data:

NIOSH:

Chemical Name	CAS No.	LD50/LC50
Benzene, 1-bromo-4-fluoro-	460-00-4	Inhalation LC50 Rat 18 g/m3 4 h; Oral LD50 Rat 2700 mg/kg
Methanol	67-56-1	Inhalation LC50 Rat 22500 ppm 8 h

Component Carcinogenic Data:

OSHA:

Chemical Name	CAS No.
No data available	

ACGIH:

Chemical Name	CAS No.
No data available	

NIOSH:

Chemical Name	CAS No.
No data available	

NTP:

Chemical Name	CAS No.
No data available	

IARC:

Chemical Name	CAS No.	Group No.

12. ECOLOGICAL INFORMATION

Overview:	Moderate ecological hazard. This product may be dangerous to plants and/or wildlife.
Mobility:	No data
Persistence:	No data
Bioaccumulation:	No data
Degradability:	Biodegrades slowly.
Ecological Toxicity Data:	No data available

13. DISPOSAL CONSIDERATIONS

Waste Description of Spent Product:	Spent or discarded material is a hazardous waste.Mixing spent or discarded material with other materials may render the mixture hazardous. Perform a hazardous waste determination on mixtures.
Disposal Methods:	Dispose of by incineration following Federal, State, Local, or Provincial regulations.
Waste Disposal of Packaging:	Comply with all Local, State, Federal, and Provincial Environmental Regulations.

14. TRANSPORTATION INFORMATION

United States:	
DOT Proper Shipping Name:	Flammable liquids, n.o.s. (Methanol)
UN Number:	UN1993
Hazard Class:	3
Packing Group:	II
International:	
IATA Proper Shipping Name:	Flammable liquids, n.o.s. (Methanol)
UN Number:	UN1993
Hazard Class:	3
Packing Group:	II

Marine Pollutant: No

Chemical Name	CAS#	Marine Pollutant	Severe Marine Pollutant
No data available			

15. REGULATORY INFORMATION

United States:

Chemical Name	CAS#	CERCLA	SARA 313	SARA EHS 313	TSCA
P&T Methanol	67-56-1	X	X	-	X
1-Bromo-4-fluorobenzene (BFB)	460-00-4	-	-	-	X
1,2-dichloroethane-d4	17060-07-0	-	-	-	-
dibromofluoromethane	1868-53-7	-	-	-	-
toluene-d8	2037-26-5	-	-	-	-

The following chemicals are listed on CA Prop 65:

Chemical Name	CAS #	Regulation
Methanol	67-56-1	Prop 65 Devolop Tox

State Right To Know Listing:

Chemical Name	CAS#	New Jersey	Massachusetts	Pennsylvania	California

P&T Methanol	67-56-1	X	X	X	X
1-Bromo-4-fluorobenzene (BFB)	460-00-4	-	-	-	-
1,2-dichloroethane-d4	17060-07-0	-	-	-	-
dibromofluoromethane	1868-53-7	-	-	-	-
toluene-d8	2037-26-5	-	-	-	-

16. OTHER INFORMATION

Prior Version Date: 07/20/18

Other Information: Any changes to the SDS compared to previous versions are marked by a vertical line in front of the concerned paragraph.

References: No data available

Disclaimer: Restek Corporation provides the descriptions, data and information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. It is provided for your guidance only. Because many factors may affect processing or application/use, Restek Corporation recommends you perform an assessment to determine the suitability of a product for your particular purpose prior to use. No warranties of any kind, either expressed or implied, including fitness for a particular purpose, are made regarding products described, data or information set forth. In no case shall the descriptions, information, or data provided be considered a part of our terms and conditions of sale. Further, the descriptions, data and information furnished hereunder are given gratis. No obligation or liability for the description, data and information given are assumed. All such being given and accepted at your risk.

RESTEK®
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www.restek.com

CERTIFIED REFERENCE MATERIAL

Gravimetric Certificate

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555581 **Lot No.:** A0173600

Description : Custom 8260 Internal Standard Mix

Custom 8260 Internal Standard Mix 25,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2024 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	1,4-Dichlorobenzene-d4 **CAS #** 3855-82-1 (Lot PR-30447) **Purity** 99%	25,040.0 µg/mL	+/- 231.7249 µg/mL +/- 1,415.4955 µg/mL +/- 1,448.0851 µg/mL	Gravimetric Unstressed Stressed
2	1,4-Difluorobenzene **CAS #** 540-36-3 (Lot MKBN8571V) **Purity** 99%	25,216.0 µg/mL	+/- 233.3536 µg/mL +/- 1,425.4447 µg/mL +/- 1,458.2633 µg/mL	Gravimetric Unstressed Stressed
3	Chlorobenzene-d5 **CAS #** 3114-55-4 (Lot PR-29571) **Purity** 99%	25,120.0 µg/mL	+/- 232.4652 µg/mL +/- 1,420.0178 µg/mL +/- 1,452.7116 µg/mL	Gravimetric Unstressed Stressed
4	Pentafluorobenzene **CAS #** 363-72-4 (Lot MKCK2250) **Purity** 99%	25,092.0 µg/mL	+/- 232.2061 µg/mL +/- 1,418.4350 µg/mL +/- 1,451.0923 µg/mL	Gravimetric Unstressed Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Walker Workman - Operations Technician I

Date Mixed: 18-Jun-2021 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

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$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

RESTEK

Safety Data Sheet

Revision Date: 05/24/21
www.restek.com

2 Letter ISO country code/language code: US/EN

1. IDENTIFICATION

Catalog Number / Product Name:	**555581 / Custom 8260 Internal Standard Mix**
Company:	Restek Corporation
Address:	110 Benner Circle Bellefonte, Pa. 16823
Phone#:	814-353-1300
Fax#:	814-353-1309
Emergency#:	800-424-9300 (CHEMTREC) 703-527-3887 (Outside the US)
Email:	www.restek.com
Revision Number:	8
Intended use:	For Laboratory use only

2. HAZARD(S)IDENTIFICATION

Emergency Overview:

GHS Hazard Symbols:

GHS Classification:
Specific Target Organ Systemic Toxicity (STOT) - Single Exposure Category 1
Flammable Liquid Category 2
Acute Toxicity - Dermal Category 3
Acute Toxicity - Oral Category 3

GHS Signal Word:
Danger

GHS Hazard:
Highly flammable liquid and vapour.
Toxic if swallowed or in contact with skin.
Causes damage to organs.

GHS Precautions:

Safety Precautions:
Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
Keep container tightly closed.
Ground/bond container and receiving equipment.
Use explosion-proof electrical/ventilation and lighting equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Do not breathe dust/fume/gas/mist/vapours/spray.
Wash hands and skin thoroughly after handling.
Do not eat, drink or smoke when using this product.
Wear protective gloves/protective clothing/eye protection/face protection.

First Aid Measures:
IF SWALLOWED: Immediately call a POISON CENTER/doctor/....
IF ON SKIN: Wash with plenty of soap and water.
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
IF exposed: Call a POISON CENTER or doctor/physician.
Call a POISON CENTER or doctor/physician if you feel unwell.
Specific treatment see section 4.
Rinse mouth.
Take off immediately all contaminated clothing and wash it before reuse.
In case of fire: Use extinguishing media in section 5 for extinction.

Storage: Keep container tightly closed.
Store in a well-ventilated place. Keep cool.
Store locked up.

Disposal: Dispose of contents/container according to section 13 of the SDS.

Single Exposure Target Organs: Specific target organ toxicity - Single exposure - STOT SE 1: H370 Causes damage to organs. (C >= 10 %; No information to prove exclusion of certain routes of exposure); Specific target organ toxicity - Single exposure - STOT SE 2: H371 May cause damage to organs. (3 % <= C <10 %; Concentration limits for acute toxicity cannot be translated into GHS from the DSD especially when minimum classifications are given)

Repeated Exposure Target Organs: No data available

3. COMPOSITION / INFORMATION ON INGREDIENT

Chemical Name	CAS #	EINEC #	% Composition
P&T Methanol	67-56-1	200-659-6	90
1,4-difluorobenzene	540-36-3	208-742-9	2.5
pentafluorobenzene	363-72-4	206-658-7	2.5
1,4-dichlorobenzene-d4	3855-82-1		2.5
chlorobenzene-d5	3114-55-4	221-482-0	2.5

4. FIRST-AID MEASURES

Inhalation: Remove to fresh air. If breathing is difficult, have a trained individual administer oxygen. If not breathing, give artificial respiration and have a trained individual administer oxygen. Get medical attention immediately

Eyes: Flush eyes with plenty of water for at least 20 minutes retracting eyelids often. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Get immediate medical attention.

Skin Contact: Wash with soap and water. Remove contaminated clothing and launder. Get medical attention if irritation develops or persists.

Ingestion: Do not induce vomiting and seek medical attention immediately. Drink two glasses of water or milk to dilute. Provide medical care provider with this SDS.

5. FIRE- FIGHTING MEASURES

Extinguishing Media: Use alcohol resistant foam, carbon dioxide, or dry chemical extinguishing agents. Water may be ineffective but water spray can be used extinguish a fire if swept across the base of the flames. Water can absorb heat and keep exposed material from being damaged by fire. Use alcohol resistant foam, carbon dioxide, dry chemical, or water spray when fighting fires. Water or foam may cause frothing if liquid is burning but it still may be a useful extinguishing agent if carefully applied to the fire. Do not direct a water stream directly into the hot burning liquid.

Fire and/or Explosion Hazards: Vapors may be ignited by heat, sparks, flames or other sources of ignition at or above the low flash point giving rise to a fire (Class B). Vapors are heavier than air and may travel to a source of ignition and flash back.

Fire Fighting Methods and Protection: Do not enter fire area without proper protection including self-contained breathing apparatus and full protective equipment. Fight fire from a safe distance and a protected location due to the potential of hazardous vapors and decomposition products. Flammable component(s) of this material may be lighter than water and burn while floating on the surface.

Hazardous Combustion Products: Carbon dioxide, Carbon monoxide

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions and Equipment: Exposure to the spilled material may be severely irritating or toxic. Follow personal protective equipment recommendations found in Section 8 of this SDS. Personal protective equipment needs must be evaluated based on information provided on this sheet and the special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred, and the expertise of employees in the

area responding to the spill. Never exceed any occupational exposure limits.

Methods for Clean-up: Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so. Wear complete and proper personal protective equipment following the recommendation of Section 8 at a minimum. Dike with suitable absorbent material like granulated clay. Gather and store in a sealed container pending a waste disposal evaluation.

7. HANDLING AND STORAGE

Handling Technical Measures and Precautions: Toxic or severely irritating material. Avoid contacting and avoid breathing the material. Use only in a well ventilated area. Use spark-proof tools and explosion-proof equipment

Storage Technical Measures and Conditions: Store in a cool dry ventilated location. Isolate from incompatible materials and conditions. Keep container(s) closed. Keep away from sources of ignition

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

United States:

Chemical Name	CAS No.	IDLH	ACGIH STEL	ACGIH TLV-TWA	OSHA Exposure Limit
P&T Methanol	67-56-1	6000 ppm IDLH	250 ppm STEL	200 ppm TWA	200 ppm TWA; 260 mg/m3 TWA
1,4-difluorobenzene	540-36-3	Not established	None Known	Not established	No data available
pentafluorobenzene	363-72-4	Not established	None Known	Not established	No data available
1,4-dichlorobenzene-d4	3855-82-1	Not established	None Known	Not established	No data available
chlorobenzene-d5	3114-55-4	Not established	None Known	Not established	No data available

Personal Protection:

Engineering Measures: Local exhaust ventilation is recommended when generating excessive levels of vapours from handling or thermal processing.

Respiratory Protection: Respiratory protection may be required to avoid overexposure when handling this product. General or local exhaust ventilation is the preferred means of protection. Use a respirator if general room ventilation is not available or sufficient to eliminate symptoms.If an exposure limit is exceeded or if an operator is experiencing symptoms of inhalation overexposure as explained in Section 3, provide respiratory protection.

Eye Protection: Wear chemically resistant safety glasses with side shields when handling this product. Do not wear contact lenses.

Skin Protection: Wear protective gloves. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance, color:	No data available
Odor:	Mild
Physical State:	No data available
pH:	Not applicable
Vapor Pressure:	No data available
Vapor Density:	1.1 (air = 1)
Boiling Point (°C):	64.7 °C at 760 mmHg (HSDB)
Melting Point (°C):	-98 °C
Flash Point (°F):	36
Flammability:	Highly Flammable
Upper Flammable/Explosive Limit, % in air:	36
Lower Flammable/Explosive Limit, % in air:	6
Autoignition Temperature (°C):	464 deg C
Decomposition Temperature (°C):	No data available
Specific Gravity:	0.791 - 0.792 g/cm3 at 20 °C
Evaporation Rate:	No data available

Odor Threshold:	No data available
Solubility:	Moderate; 50-99%
Partition Coefficient: n-octanol in water:	No data available
VOC % by weight:	90
Molecular Weight:	32.04

10. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions.
Conditions to Avoid:	None known.
Materials to Avoid / Chemical Incompatiability:	Strong oxidizing agents
Hazardous Decomposition Products:	Carbon dioxide Carbon monoxide

11. TOXICOLOGICAL INFORMATION

Routes of Entry:	Inhalation, Skin Contact, Eye Contact, Ingestion
Target Organs Potentially Affected By Exposure:	Eyes, Central nervous system stimulation, Skin, GI Tract, Respiratory Tract
Chemical Interactions That Change Toxicity:	None Known

Immediate (Acute) Health Effects by Route of Exposure:

Inhalation Irritation:	Can cause moderate respiratory irritation, dizziness, weakness, fatigue, nausea and headache.
Inhalation Toxicity:	Harmful! Can cause systemic damage (see "Target Organs)Methanol can cause central nervous system depression and overexposure can cause damage to the optic nerve resulting in visual impairment or blindness.
Skin Contact:	Can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage.
Eye Contact:	Can cause moderate irritation, tearing and reddening, but not likely to permanently injure eye tissue.
Ingestion Irritation:	Irritating to mouth, throat, and stomach. Can cause abdominal discomfort, nausea, vomiting and diarrhea.Highly toxic and may be fatal if swallowed.
Ingestion Toxicity:	Toxic if swallowed. May cause target organ failure and/or death.May be fatal if swallowed.

Long-Term (Chronic) Health Effects:

Carcinogenicity:	No data.
Reproductive and Developmental Toxicity:	No data available to indicate product or any components present at greater than 0.1% may cause birth defects.
Inhalation:	Upon prolonged and/or repeated exposure, can cause moderate respiratory irritation, dizziness, weakness, fatigue, nausea and headache.Harmful! Can cause systemic damage upon prolonged and/or repeated exposure (see "Target Organs)
Skin Contact:	Upon prolonged or repeated contact, can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage.
Skin Absorption:	Upon prolonged or repeated exposure, harmful if absorbed through the skin. May cause severe irritation and systemic damage
Ingestion:	Toxic if swallowed. May cause target organ failure and/or death.

Component Toxicological Data:
NIOSH:

Chemical Name	CAS No.	LD50/LC50
Benzene, 1,2,3,4,5-pentafluoro-	363-72-4	Oral LD50 Rat 2 g/kg
Methanol	67-56-1	Inhalation LC50 Rat 22500 ppm 8 h

Component Carcinogenic Data:
OSHA:

Chemical Name	CAS No.
No data available	

ACGIH:

Chemical Name	CAS No.
No data available	

NIOSH:

Chemical Name	CAS No.
No data available	

NTP:

Chemical Name	CAS No.
No data available	

IARC:

Chemical Name	CAS No.	Group No.

12. ECOLOGICAL INFORMATION

Overview:	Moderate ecological hazard. This product may be dangerous to plants and/or wildlife.
Mobility:	No data
Persistence:	No data
Bioaccumulation:	No data
Degradability:	Biodegrades slowly.
Ecological Toxicity Data:	No data available

13. DISPOSAL CONSIDERATIONS

Waste Description of Spent Product:	Spent or discarded material is a hazardous waste.Mixing spent or discarded material with other materials may render the mixture hazardous. Perform a hazardous waste determination on mixtures.
Disposal Methods:	Dispose of by incineration following Federal, State, Local, or Provincial regulations.
Waste Disposal of Packaging:	Comply with all Local, State, Federal, and Provincial Environmental Regulations.

14. TRANSPORTATION INFORMATION

United States:

DOT Proper Shipping Name:	Flammable liquids, n.o.s. (Methanol, Pentafluorobenzene)
UN Number:	UN1993
Hazard Class:	3
Packing Group:	II

International:

IATA Proper Shipping Name:	Flammable liquids, n.o.s. (Methanol, Pentafluorobenzene)
UN Number:	UN1993
Hazard Class:	3
Packing Group:	II

Marine Pollutant: No

Chemical Name	CAS#	Marine Pollutant	Severe Marine Pollutant
No data available			

15. REGULATORY INFORMATION

United States:

Chemical Name	CAS#	CERCLA	SARA 313	SARA EHS 313	TSCA
P&T Methanol	67-56-1	X	X	-	X
1,4-difluorobenzene	540-36-3	-	-	-	-
pentafluorobenzene	363-72-4	-	-	-	X
1,4-dichlorobenzene-d4	3855-82-1	-	-	-	-
chlorobenzene-d5	3114-55-4	-	-	-	-

The following chemicals are listed on CA Prop 65:

Chemical Name	CAS #	Regulation
Methanol	67-56-1	Prop 65 Devolop Tox

State Right To Know Listing:

Chemical Name	CAS#	New Jersey	Massachusetts	Pennsylvania	California
P&T Methanol	67-56-1	X	X	X	X
1,4-difluorobenzene	540-36-3	-	-	-	-
pentafluorobenzene	363-72-4	-	-	-	-
1,4-dichlorobenzene-d4	3855-82-1	-	-	-	-
chlorobenzene-d5	3114-55-4	-	-	-	-

16. OTHER INFORMATION

Prior Version Date: 12/15/16

Other Information: Any changes to the SDS compared to previous versions are marked by a vertical line in front of the concerned paragraph.

References: No data available

Disclaimer: Restek Corporation provides the descriptions, data and information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. It is provided for your guidance only. Because many factors may affect processing or application/use, Restek Corporation recommends you perform an assessment to determine the suitability of a product for your particular purpose prior to use. No warranties of any kind, either expressed or implied, including fitness for a particular purpose, are made regarding products described, data or information set forth. In no case shall the descriptions, information, or data provided be considered a part of our terms and conditions of sale. Further, the descriptions, data and information furnished hereunder are given gratis. No obligation or liability for the description, data and information given are assumed. All such being given and accepted at your risk.

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110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30225 **Lot No.:** A0176219

Description : Bromochloromethane Standard

Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Bromochloromethane	2,016.0 µg/mL	+/- 11.9744	µg/mL	Gravimetric
	CAS # 74-97-5 (Lot 00008541)		+/- 113.0617	µg/mL	Unstressed
	Purity 99%		+/- 115.7059	µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

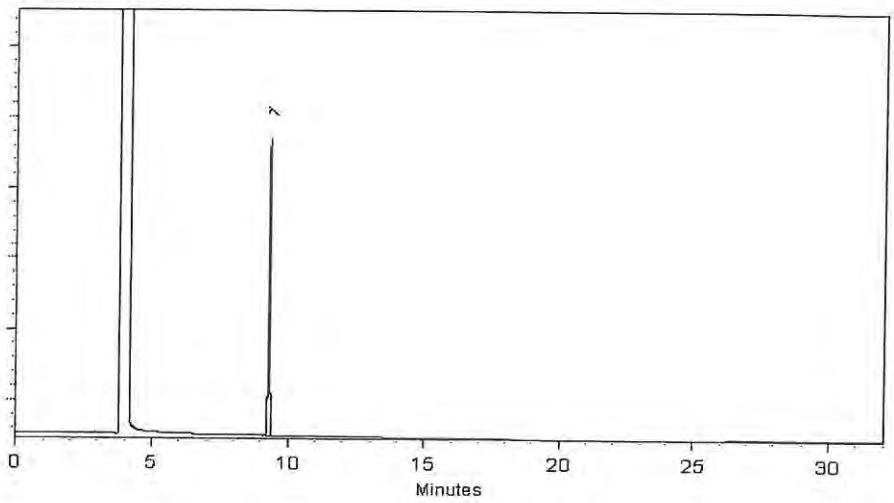
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Dalton Stover - Operations Technician I

Date Mixed: 08-Sep-2021 **Balance:** 1128353505

Marlina Cowan - Operations Tech I

Date Passed: 10-Sep-2021

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

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ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30042 **Lot No.:** A0177872

Description : 502.2 Calibration Mix #1

502.2 Calibration Mix #1 2,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2028 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Dichlorodifluoromethane (CFC-12) **CAS #** 75-71-8 (Lot 00012554) **Purity** 99%	2,000.9 µg/mL	+/- 13.9607 µg/mL +/- 112.4514 µg/mL +/- 115.0704 µg/mL	Gravimetric Unstressed Stressed
2	Chloromethane (methyl chloride) **CAS #** 74-87-3 (Lot SHBK6571) **Purity** 99%	2,000.2 µg/mL	+/- 13.2566 µg/mL +/- 112.3274 µg/mL +/- 114.9474 µg/mL	Gravimetric Unstressed Stressed
3	Vinyl chloride **CAS #** 75-01-4 (Lot 00015559) **Purity** 99%	2,001.1 µg/mL	+/- 13.8225 µg/mL +/- 112.4449 µg/mL +/- 115.0645 µg/mL	Gravimetric Unstressed Stressed
4	Bromomethane (methyl bromide) **CAS #** 74-83-9 (Lot 101604) **Purity** 99%	2,000.2 µg/mL	+/- 13.6930 µg/mL +/- 112.3836 µg/mL +/- 115.0025 µg/mL	Gravimetric Unstressed Stressed
5	Chloroethane (ethyl chloride) **CAS #** 75-00-3 (Lot 107-401039114-1) **Purity** 99%	2,000.5 µg/mL	+/- 15.6153 µg/mL +/- 112.6506 µg/mL +/- 115.2642 µg/mL	Gravimetric Unstressed Stressed
6	Trichlorofluoromethane (CFC-11) **CAS #** 75-69-4 (Lot MKCL8411) **Purity** 99%	2,000.2 µg/mL	+/- 15.8709 µg/mL +/- 112.6692 µg/mL +/- 115.2815 µg/mL	Gravimetric Unstressed Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

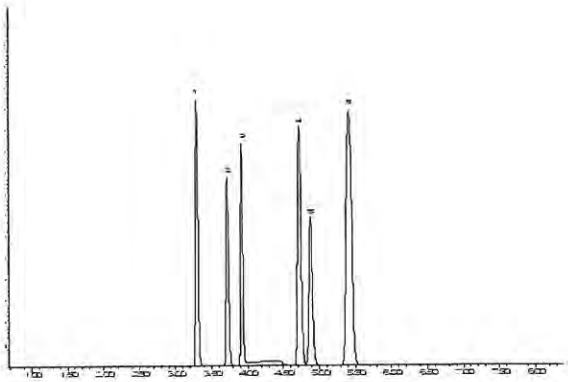
Carrier Gas:
helium-constant flow 2.0 mL/min.

Temp. Program:
40°C (hold 6 min.) to 100°C
@ 6°C/min.

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 27-Oct-2021 **Balance:** B707717271

Marlina Cowan - Operations Tech I

Date Passed: 02-Nov-2021

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

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0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30225 **Lot No.:** A0183824

Description : Bromochloromethane Standard

Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Bromochloromethane	2,000.0 µg/mL	+/- 11.8794	µg/mL	Gravimetric
	CAS # 74-97-5 (Lot 00008541)		+/- 112.1643	µg/mL	Unstressed
	Purity 99%		+/- 114.7876	µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

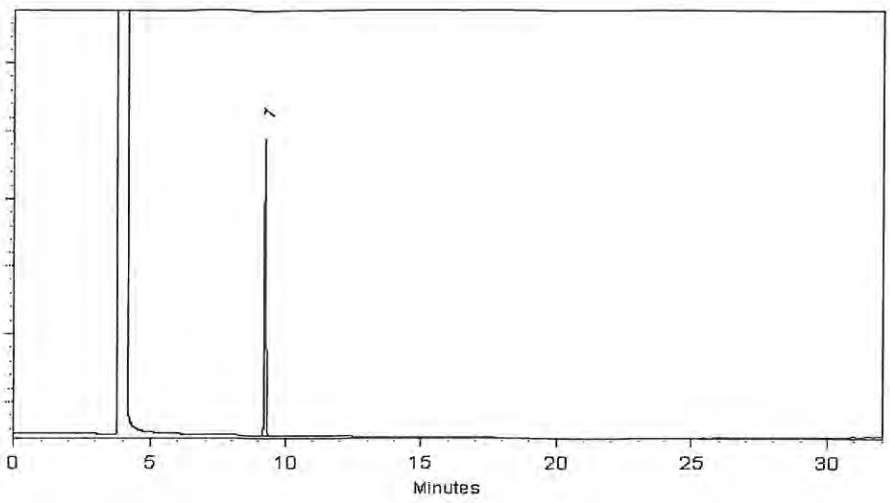
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Jess Hoy - Operations Tech I

Date Mixed: 07-Apr-2022 **Balance:** 1127510105

Jennifer Pollino - Operations Tech-ARM QC

Date Passed: 11-Apr-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

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CERTIFIED REFERENCE MATERIAL

Certificate of Composition

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555408-SL **Lot No.:** A0187421

Description : Custom Vinyl Acetate Standard

Custom Vinyl Acetate Standard 8,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2024 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Vinyl acetate **CAS #** 108-05-4 **Purity** 99% (Lot RD220630)	8,078.0 µg/mL	+/- 47.4062 µg/mL +/- 487.4241 µg/mL +/- 488.5812 µg/mL	Gravimetric Unstressed Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:
Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods. Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

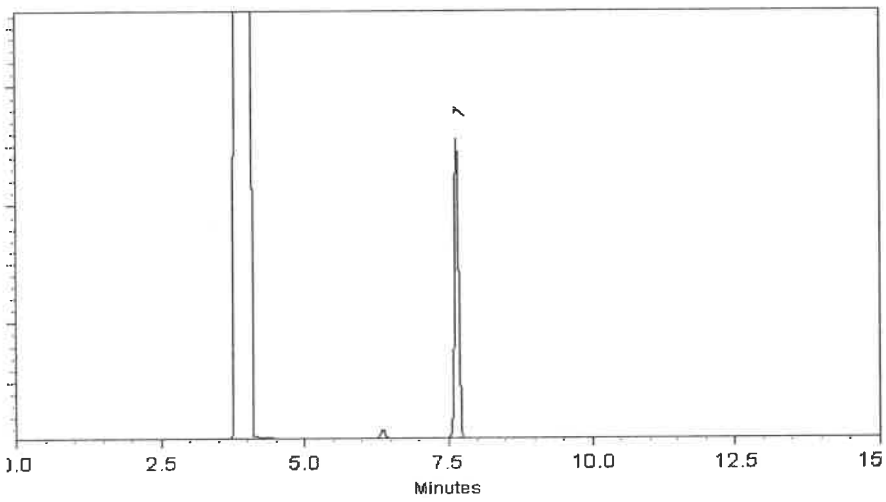
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Bethany Lowery - Operations Tech I

Date Mixed: 18-Jul-2022 **Balance:** B251644995

Fang-Yun Weaver - Operations Lead Tech - ARM QC

Date Passed: 26-Jul-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
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0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

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Material No.: 9077-02
Batch No.: 0000288323
Manufactured Date: 2021-06-11
Expiration Date: 2024-06-10
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	< 0.1 %
Residue after Evaporation	≤ 1.0 ppm	< 0.1 ppm
Titrable Acid (µeq/g)	≤ 0.3	< 0.1
Titrable Base (µeq/g)	≤ 0.10	< 0.01
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis - Below EPA 8260B CRQL	Conforms	Fails

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste
Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

James T Ethier

Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone 610.386.1700

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800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95317
Lot Number: 042921
Description: Universal VOA Megamix
69 components
Expiration Date: 042924
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 6UTB

Solvent(s): Methanol Lot# DY186-USQ8

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 100.0 0.012 Flask Uncertainty

Formulated By: Eli Aliaga 042921 DATE
Reviewed By: Pedro L. Rentas 042921 DATE

	Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc.(ug/mL)	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1.	Acetonitrile	(0324)	060812	NA	NA	NA	2000	99.9	0.2	NA	0.20021	0.20041	2002.0	8.1	75-05-8	40 ppm (70mg/m3/8H)	orl-rat 2460mg/kg
2.	Allyl chloride (3-Chloropropene)	(0325)	102396	NA	NA	NA	2000	99	0.2	NA	0.20203	0.20233	2003.0	8.2	107-05-1	1 ppm (3mg/m3/8H)	orl-rat 700mg/kg
3.	Carbon disulphide	(0060)	MKCD9604	NA	NA	NA	2000	100	0.2	NA	0.20001	0.20015	2001.4	8.1	75-15-0	4 ppm (12mg/m3) (skin)	orl-rat 1200mg/kg
4.	cis-1,4-Dichloro-2-butene	(1196)	14718EF	NA	NA	NA	2000	95	0.2	NA	0.21054	0.21060	2000.6	8.5	1476-11-5	N/A	N/A
5.	trans-1,4-Dichloro-2-butene	(0486)	MKBP6041V	NA	NA	NA	2000	96.5	0.2	NA	0.20726	0.20751	2002.4	8.4	110-57-6	N/A	N/A
6.	Diethyl ether (Ethyl ether)	(0153)	SHBK1918	NA	NA	NA	2000	99.9	0.2	NA	0.20023	0.20046	2002.3	8.1	60-29-7	400ppm (1200mg/m3/8H)	orl-rat 1215mg/kg
7.	Ethyl methacrylate	(0381)	06126PX	NA	NA	NA	2000	99	0.2	NA	0.20203	0.20230	2002.7	8.2	97-63-2	N/A	orl-rat 14800mg/kg
8.	Iodomethane	(0489)	SHBF8718V	NA	NA	NA	2000	99.5	0.2	NA	0.20101	0.20130	2002.8	8.1	74-88-4	5 ppm(28mg/m3/8H)(skin)	orl-rat 76mg/kg
9.	2-Methyl-1-propanol	(0445)	15241EB	NA	NA	NA	2000	99.5	0.2	NA	0.20101	0.20123	2002.1	8.1	78-83-1	50 ppm (150mg/m3/8H)	orl-rat 2460mg/kg
10.	Methacrylonitrile	(0442)	00427ET	NA	NA	NA	2000	99	0.2	NA	0.20203	0.20220	2001.7	8.2	126-98-7	1 ppm (3mg/m3/8H)(skin)	orl-rat 120mg/kg
11.	Methyl acrylate	(1075)	SHBK0679	NA	NA	NA	2000	99.9	0.2	NA	0.20021	0.20046	2002.5	8.1	96-33-3	10 ppm(35mg/m3/8H)(skin)	orl-rat 277mg/kg
12.	Methyl methacrylate	(0404)	MKBW5137V	NA	NA	NA	2000	99.9	0.2	NA	0.20021	0.20048	2002.7	8.1	80-62-6	100 ppm (410mg/m3/8H)	orl-rat 7872mg/kg
13.	Nitrobenzene	(0228)	01213TV	NA	NA	NA	2000	99	0.2	NA	0.20203	0.20218	2001.5	8.2	98-95-3	1 ppm (5mg/m3/8H)(skin)	orl-rat 780mg/kg
14.	2-Nitropropane	(0461)	14002JX	NA	NA	NA	2000	97.3	0.2	NA	0.20556	0.20566	2001.0	8.3	79-46-9	10 ppm (35mg/m3/8H)	orl-rat 720mg/kg
15.	Pentachloroethane	(0450)	HGA01	NA	NA	NA	2000	98	0.2	NA	0.20409	0.20418	2000.9	8.2	76-01-7	N/A	N/A
16.	1,1,2-Trichlorotrifluoroethane	(0474)	18930	NA	NA	NA	2000	99	0.2	NA	0.20203	0.20221	2001.8	8.2	76-13-1	1000 ppm (7600mg/m3/8H)	orl-rat 43g/kg
17.	Bromodichloromethane	35171	100220	0.05	5.00	40018.8	2000	NA	NA	0.017	NA	NA	2000.8	18.4	75-27-4	N/A	orl-rat 916mg/kg
18.	Dibromochloromethane	35171	100220	0.05	5.00	40007.7	2000	NA	NA	0.017	NA	NA	2000.3	18.4	124-48-1	N/A	orl-rat 848mg/kg
19.	cis-1,2-Dichloroethene	35171	100220	0.05	5.00	40012.4	2000	NA	NA	0.017	NA	NA	2000.5	18.4	156-59-2	N/A	N/A
20.	trans-1,2-Dichloroethene	35171	100220	0.05	5.00	40005.6	2000	NA	NA	0.017	NA	NA	2000.2	18.4	156-60-5	N/A	orl-rat 1235mg/kg
21.	Methylene chloride	35171	100220	0.05	5.00	40013.9	2000	NA	NA	0.017	NA	NA	2000.6	18.4	75-09-2	500 ppm	orl-rat 820mg/kg
22.	1,1-Dichloroethene	32251	031821	0.10	10.00	20009.1	2000	NA	NA	0.042	NA	NA	2000.8	19.3	75-35-4	1 ppm (4mg/m3/8H)	orl-rat 200mg/kg
23.	Bromoform	95321	010419	0.10	10.00	20001.7	2000	NA	NA	0.042	NA	NA	2000.1	19.3	75-25-2	0.5 ppm (5mg/m3) (skin)	orl-rat 933mg/kg
24.	Carbon tetrachloride	95321	010419	0.10	10.00	20001.3	2000	NA	NA	0.042	NA	NA	2000.0	19.2	56-23-5	2 ppm (12.6mg/m3/8H)	orl-rat 2350mg/kg
25.	Chloroform	95321	010419	0.10	10.00	20001.8	2000	NA	NA	0.042	NA	NA	2000.1	19.2	67-66-3	50 ppm (240mg/m3) (CL)	orl-rat 908mg/kg
26.	Dibromomethane	95321	010419	0.10	10.00	20001.7	2000	NA	NA	0.042	NA	NA	2000.1	19.3	74-95-3	N/A	orl-rat 108mg/kg
27.	1,1-Dichloroethane	95321	010419	0.10	10.00	20000.8	2000	NA	NA	0.042	NA	NA	2000.0	19.3	75-34-3	100 ppm	orl-rat 725mg/kg
28.	2,2-Dichloropropane	95321	010419	0.10	10.00	20002.1	2000	NA	NA	0.042	NA	NA	2000.1	19.3	594-20-7	N/A	N/A
29.	Tetrachloroethene	95321	010419	0.10	10.00	20002.2	2000	NA	NA	0.042	NA	NA	2000.1	19.3	127-18-4	25 ppm (170mg/m3/8H)(final)	orl-rat 2629mg/kg
30.	1,1,1-Trichloroethane	95321	010419	0.10	10.00	20001.7	2000	NA	NA	0.042	NA	NA	2000.1	19.3	71-55-6	350 ppm (1900mg/m3/8H)	orl-rat 10300mg/kg
31.	1,2-Dibromo-3-chloropropane	35161	011421	0.05	5.00	40001.2	2000	NA	NA	0.017	NA	NA	2000.0	18.4	96-12-8	0.001 ppm	orl-rat 170mg/kg
32.	1,2-Dibromoethane	35161	011421	0.05	5.00	40003.9	2000	NA	NA	0.017	NA	NA	2000.1	18.4	106-93-4	20 ppm (8H)	orl-rat 108mg/kg
33.	1,2-Dichloroethane	35161	011421	0.05	5.00	40004.9	2000	NA	NA	0.017	NA	NA	2000.1	18.4	107-06-2	50 ppm (8H)	orl-rat 670mg/kg
34.	1,2-Dichloropropane	35161	011421	0.05	5.00	40002.2	2000	NA	NA	0.017	NA	NA	2000.0	18.4	78-87-5	75 ppm (350mg/m3/8H)	orl-rat 1947mg/kg
35.	1,3-Dichloropropane	35161	011421	0.05	5.00	40013.9	2000	NA	NA	0.017	NA	NA	2000.6	18.4	142-28-9	N/A	unr-mus 3600mg/kg
36.	1,1-Dichloropropene	35161	011421	0.05	5.00	40015.0	2000	NA	NA	0.017	NA	NA	2000.7	26.1	563-58-6	N/A	N/A
37.	cis-1,3-Dichloropropene	35161	011421	0.05	5.00	40004.4	2000	NA	NA	0.017	NA	NA	2000.1	18.4	10061-01-5	N/A	N/A
38.	trans-1,3-Dichloropropene	35161	011421	0.05	5.00	40009.1	2000	NA	NA	0.017	NA	NA	2000.4	18.5	10061-02-6	N/A	N/A
39.	Hexachloro-1,3-butadiene	35161	011421	0.05	5.00	40003.5	2000	NA	NA	0.017	NA	NA	2000.1	26.4	87-68-3	0.02 ppm (0.24mg/m3/8H)	orl-rat 82mg/kg
40.	1,1,1,2-Tetrachloroethane	35161	011421	0.05	5.00	40011.9	2000	NA	NA	0.017	NA	NA	2000.5	18.4	630-20-6	N/A	orl-rat 670mg/kg
41.	1,1,2,2-Tetrachloroethane	35161	011421	0.05	5.00	40011.0	2000	NA	NA	0.017	NA	NA	2000.5	18.4	79-34-5	5 ppm (35mg/m3/9H)(skin)	orl-rat 800mg/kg
42.	1,1,2-Trichloroethane	35161	011421	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.9	18.4	79-00-5	10 ppm (45mg/m3/8H)(skin)	orl-rat 836mg/kg
43.	Trichloroethene	35161	011421	0.05	5.00	40003.2	2000	NA	NA	0.017	NA	NA	2000.1	18.4	79-01-6	50 ppm (270mg/m3/8H)	orl-mus 2402mg/kg
44.	1,2,3-Trichloropropane	35161	011421	0.05	5.00	40015.2	2000	NA	NA	0.017	NA	NA	2000.7	18.4	96-18-4	10 ppm (60mg/m3/8H)	orl-rat 149.6mg/kg
45.	Benzene	35162	020821	0.05	5.00	40008.9	2000	NA	NA	0.017	NA	NA	2000.3	18.4	71-43-2	1 ppm	orl-rat 4894mg/kg
46.	Bromobenzene	35162	020821	0.05	5.00	40019.0	2000	NA	NA	0.017	NA	NA	2000.9	18.4	108-86-1	N/A	orl-rat 2699mg/kg
47.	n-Butyl benzene	35162	020821	0.05	5.00	40019.8	2000	NA	NA	0.017	NA	NA	2000.9	18.4	104-51-8	N/A	N/A
48.	Ethyl benzene	35162	020821	0.05	5.00	40000.9	2000	NA	NA	0.017	NA	NA	1999.9	18.4	100-41-4	100 ppm (435mg/m3/8H)	orl-rat >2000mg/kg
49.	p-Isopropyl toluene	35162	020821	0.05	5.00	40056.4	2000	NA	NA	0.017	NA	NA	2002.7	18.4	99-87-6	N/A	orl-rat 4750mg/kg
50.	Naphthalene	35162	020821	0.05	5.00	40005.1	2000	NA	NA	0.017	NA	NA	2000.2	18.3	91-20-3	10 ppm (50mg/m3/8H)	orl-rat 490mg/kg
51.	Styrene	35162	020821	0.05	5.00	40022.8	2000	NA	NA	0.017	NA	NA	2001.0	18.4	100-42-5	100 ppm	orl-rat 5000mg/kg
52.	Toluene	35162	020821	0.05	5.00	40008.9	2000	NA	NA	0.017	NA	NA	2000.3	18.4	108-88-3	200 ppm	orl-rat 5000mg/kg
53.	1,2,3-Trichlorobenzene	35162	020821	0.05	5.00	40002.0	2000	NA	NA	0.017	NA	NA	2000.0	18.4	87-61-6	N/A	ipr-mus 1390mg/kg
54.	1,2,4-Trichlorobenzene	35162	020821	0.05	5.00	40027.4	2000	NA	NA	0.017	NA	NA	2001.3	18.4	120-82-1	5 ppm (CL) (40mg/m3)	orl-rat 756mg/kg
55.	1,2,4-Trimethylbenzene	35162	020821	0.05	5.00	40012.4	2000	NA	NA	0.017	NA	NA	2000.5	18.4	95-63-6	N/A	orl-rat 5g/kg
56.	1,3,5-Trimethylbenzene	35162	020821	0.05	5.00	40011.5	2000	NA	NA	0.017	NA	NA	2000.5	18.5	108-67-8	N/A	orl-rat 5000mg/kg
57.	m-Xylene	35162	020821	0.05	5.00	40021.8	2000	NA	NA	0.017	NA	NA	2001.0	18.4	108-38-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg
58.	tert-Butyl benzene	35163	022521	0.05	5.00	40005.9	2000	NA	NA	0.017	NA	NA	2000.2	18.4	98-06-6	N/A	N/A
59.	sec-Butyl benzene	35163	022521	0.05	5.00	40011.7	2000	NA	NA	0.017	NA	NA	2000.5	18.4	135-98-8	N/A	orl-rat 2240mg/kg
60.	Chlorobenzene	35163	022521	0.05	5.00	40009.0	2000	NA	NA	0.017	NA	NA	2000.4	18.4	108-90-7	75 ppm (350mg/m3/8H)	orl-rat 2290mg/kg
61.	2-Chlorotoluene	35163	022521	0.05	5.00	40002.0	2000	NA	NA	0.017	NA	NA	2000.0	18.4	95-49-8	50 ppm (250mg/m3/8H)	orl-rat 3900mg/kg
62.	4-Chlorotoluene	35163	022521	0.05	5.00	40000.4	2000	NA	NA	0.017	NA	NA	1999.9	18.4	106-43-4	N/A	orl-rat 2100mg/kg
63.	1,2-Dichlorobenzene	35163	022521	0.05	5.00	40004.0	2000	NA	NA	0.017	NA	NA	2000.1	18.4	95-50-1	50 ppm (300mg/m3) (CL)	orl-rat 500mg/kg
64.	1,3-Dichlorobenzene	35163	022521	0.05	5.00	40003.6	2000	NA	NA	0.017	NA	NA	2000.1	18.4	541-73-1	N/A	ipr-mus 1062mg/kg
65.	1,4-Dichlorobenzene	35163	022521	0.05	5.00	40005.0	2000	NA	NA	0.017	NA	NA	2000.2	18.4	106-46-7	75 ppm (450mg/m3/8H)	orl-rat 500mg/kg
66.	Isopropylbenzene	35163	022521	0.05	5.00	40007.4	2000	NA	NA	0.017	NA	NA	2000.3	18.4	98-82-8	50 ppm (245mg/m3/8H)	orl-rat 1400mg/kg
67.	n-Propylbenzene	35163	022521	0.05	5.00	40004.6	2000	NA	NA	0.017	NA	NA	2000.1	18.4	103-65-1	N/A	orl-rat 6040mg/kg
68.	o-Xylene	35163	022521	0.05	5.00	40003.0	2000	NA	NA	0.017	NA	NA	2000.1	18.4	95-47-6	100 ppm (435mg/m3/8H)	ipr-mus 1364mg/kg
69.	p-Xylene	35163	022521	0.05	5.00	40005.0	2000	NA	NA	0.017	NA	NA	2000.2	18.4	106-42-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg

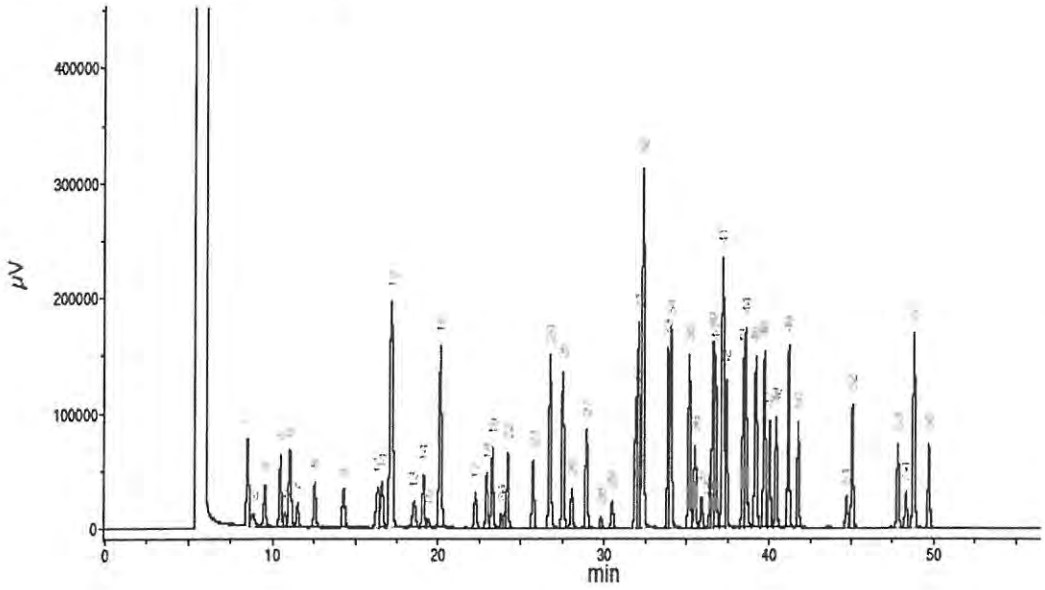
- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Run 22, "P95317 L042921 [2000µg/mL in MeOH]"

Run Length: 60.00 min, 35999 points at 10 points/second.
Created: Thu, Apr 29, 2021 at 3:49:30 PM.
Sampled: Sequence "042521-GC5M1", Method "GC5-M1".
Analyzed using Method "GC5-M1".

Comments

GC5-M1 Analysis by Candice Warren
Column ID SPB-Vocol 105 meter X 0.53mm X 3.0µm film thickness
Flow rates: Total flow=290mL/min., Helium (carrier)=10mL/min.,
Helium(make-up)=10mL/min., Hydogen(make-up)=40mL/min., Air(make-up)=230mL/min.
Oven Profile: Temp. 1=35°C (Time 1=10 min.), Temp 2=200°C (Time 2=8.75 min.),
Rate = 4°C/min., Total run time=60 min. Injector temp.=200°C, FID Temp.=200°C.
FID Signal = Edaq Channel 1
Standard injection = 0.5µL, Range=4



Peak #	Analyte	FID RT (min.)
1	Ether	8.48
2	1,1,2-Trichloro-1,2,2-trifluoroethane	8.80
3	1,1-Dichloroethene	9.51
4	Acetonitrile	10.44
5	Iodomethane	10.71
6	Allyl chloride	11.02
7	**Carbon disulfide/Methylene chloride**	11.51
8	trans-1,2-Dichloroethene	12.55
9	1,1-Dichloroethane	14.28
10	2,2-Dichloropropane	16.33
11	cis-1,2-Dichloroethene	16.59
12	**Methacrylonitrile/Methyl acrylate/Chloroform**	17.14
13	**Isobutanol/1,1,1-Trichloroethane**	18.52
14	1,1-Dichloropropene	19.08
15	Carbon tetrachloride	19.39
16	**Benzene/1,2-Dichloroethane**	20.10
17	Trichloroethene	22.23
18	1,2-Dichloropropane	22.92
19	Methyl methacrylate	23.26
20	Bromodichloromethane	23.79
21	Dibromomethane	23.98
22	2-Nitropropane	24.18
23	cis-1,3-Dichloropropene	25.71
24	Toluene	26.71
25	**Ethyl methacrylate/trans-1,3-Dichloropropene**	27.50
26	1,1,2-Trichloroethane	28.04
27	**Tetrachloroethene/1,3-Dichloropropane**	29.02
28	Dibromochloromethane	29.79
29	1,2-Dibromoethane	30.46
30	Chlorobenzene	31.89
31	**Ethylbenzene/1,1,1,2-Tetrachloroethane**	32.07
32	**m-Xylene/p-Xylene**	32.33
33	o-Xylene	33.87
34	Styrene	34.04
35	**Isopropylbenzene/Bromoform**	35.14
36	cis-1,4-Dichloro-2-butene	35.49
37	1,1,2,2-Tetrachloroethane	35.90
38	**1,2,3-Trichloropropane**	36.34
39	**n-Propylbenzene**	36.58
40	**trans-1,4-Dichloro-2-butene/Bromobenzene**	36.73
41	**1,3,5-Trimethylbenzene/2-Chlorotoluene**	37.17
42	4-Chlorotoluene	37.38
43	tert-Butylbenzene	38.41
44	**1,2,4-Trimethylbenzene/Pentachloroethane**	38.55
45	sec-Butylbenzene	39.16
46	p-Isopropyltoluene	39.68
47	1,3-Dichlorobenzene	40.01
48	1,4-Dichlorobenzene	40.42
49	n-Butylbenzene	41.16
50	1,2-Dichlorobenzene	41.74
51	1,2-Dibromo-3-chloropropane	41.68
52	Nitrobenzene	45.04
53	1,2,4-Trichlorobenzene	47.80
54	Hexachlorobutadiene	48.29
55	Naphthalene	48.76
56	1,2,3-Trichlorobenzene	49.66

Absolute Standards Inc.
PO Box 5585
Hamden, CT 06518-0585
Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** May 1, 2019

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**

Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30067 **Lot No.:** A0147670

Description : 4-Bromofluorobenzene Standard

4-Bromofluorobenzene Standard 2,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2024 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	1-Bromo-4-fluorobenzene (BFB) CAS # 460-00-4 (Lot 20401KO) Purity 99%	2,511.0 µg/mL	+/- 14.7360 µg/mL +/- 140.8035 µg/mL +/- 144.0975 µg/mL		Gravimetric Unstressed Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

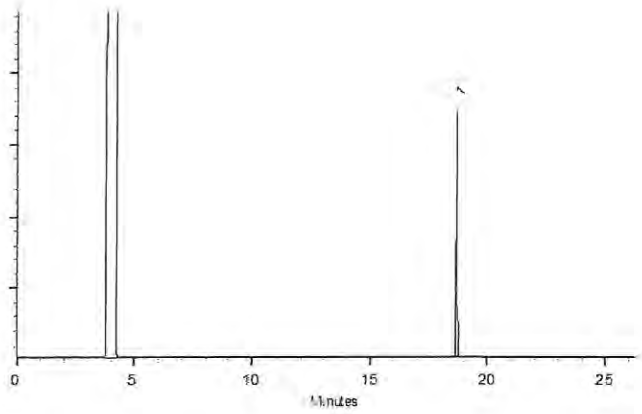
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Dustin Lidgett - Mix Technician

Date Mixed: 01-Apr-2019 **Balance:** 1127510105

Justine Albertson - Operations Tech-ARM QC

Date Passed: 04-Apr-2019

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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CERTIFIED REFERENCE MATERIAL

Certificate of Composition

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555408-SL **Lot No.:** A0179839

Description : Custom Vinyl Acetate Standard

Custom Vinyl Acetate Standard 8,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2023 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Vinyl acetate	8,056.0 µg/mL	+/- 47.2771	µg/mL	Gravimetric
	CAS # 108-05-4 (Lot RD210830)		+/- 486.0967	µg/mL	Unstressed
	Purity 99%		+/- 487.2505	µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:
Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

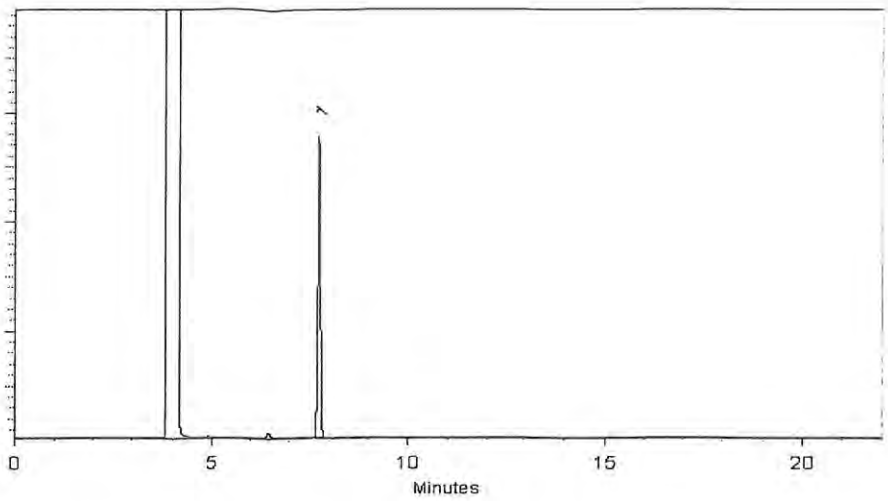
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Katelyn McGlinn - Operations Tech I

Date Mixed: 21-Dec-2021 **Balance:** B707717271

Marlina Cowan - Operations Tech I

Date Passed: 27-Dec-2021

REVIEWED
By Jennifer Pollino at 7:08 am, Dec 29, 2021

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

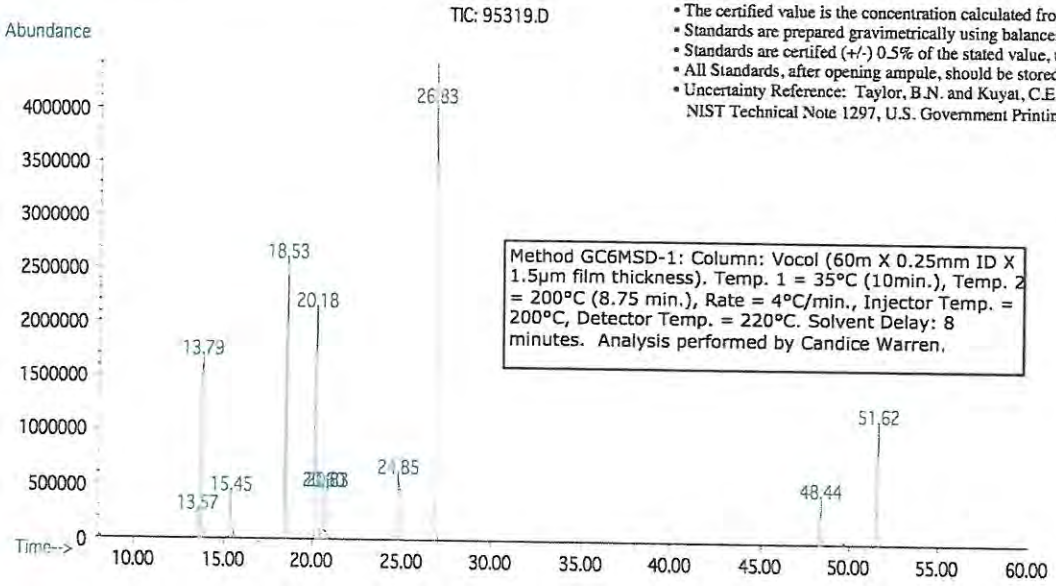
Part Number: 95319
Lot Number: 031921
Description: Revised Additions Mix
11 components
Expiration Date: 031924
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): Varied
NIST Test ID#: 6UTB

Solvent(s): Methanol **Lot#** DY186-US

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 100.0 0.012 Flask Uncertainty

Formulated By: Prashant Chauhan	031921 DATE
Reviewed By: Pedro L. Rentas	031921 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrylonitrile	7	4718CK	10000	99	0.2	1.01015	1.01040	10002.5	40.5	107-13-1	N/A	orl-rat 78 mg/kg
2. 1-Chlorobutane	1072	MKCM5711	2000	99.99	0.2	0.20003	0.20033	2003.0	8.1	109-69-3	N/A	orl-rat 2670mg/kg
3. Cyclohexane	1023	SHBD2795V	2000	99.5	0.2	0.20101	0.20130	2002.8	8.1	110-82-7	300 ppm (1050mg/m3/8H)	orl-rat 12705mg/kg
4. Di-isopropyl ether (DIPE)	987	00412MX	2000	99	0.2	0.20203	0.20220	2001.7	8.2	108-20-3	500 ppm (2100mg/m3/8H)	orl-rat 8470mg/kg
5. 1,4-Dioxane	373	03853KE	40000	99	0.2	4.04060	4.04110	40005.0	161.9	123-91-1	25 ppm (90mg/m3/8H)(skin)	orl-mus 5700mg/kg
6. Hexachloroethane	199	12604HBV	2000	99	0.2	0.20203	0.20230	2002.7	8.2	67-72-1	1 ppm (10mg/m3/8H)(skin)	orl-gpg 4970mg/kg
7. Methylcyclohexane	1627	08046KN	2000	99	0.2	0.20203	0.20235	2003.2	8.2	108-87-2	N/A	N/A
8. Methyl tert-butyl ether (MTBE)	209	02197JJ	2000	99.8	0.2	0.20041	0.20080	2003.9	8.1	1634-04-4	N/A	orl-rat 4g/kg
9. Propionitrile	349	1395468	20000	99	0.2	2.02030	2.02080	20005.0	81.0	107-12-0	N/A	orl-rat 39mg/kg
10. Tetrahydrofuran	380	113886	10000	99.9	0.2	1.00105	1.00140	10003.5	40.1	109-99-9	20 ppm (590mg/m3/8H)	orl-rat 2500mg/kg
11. 1,2,3,4-Tetramethylbenzene	491	AP01	2000	93	0.2	0.21506	0.21536	2002.8	8.7	488-23-3	N/A	orl-rat 6408mg/kg



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Method GC6MSD-1: Column: Vocol (60m X 0.25mm ID X 1.5µm film thickness). Temp. 1 = 35°C (10min.), Temp. 2 = 200°C (8.75 min.), Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. Solvent Delay: 8 minutes. Analysis performed by Candice Warren.

Name	MSD RT (min.)
Methyl tert-butyl ether (MTBE)	13.56
Acrylonitrile	13.79
Di-isopropyl ether	15.44
Propionitrile	18.53
Tetrahydrofuran	20.17
Cyclohexane	20.58
1-Chlorobutane	20.83
Methylcyclohexane	24.84
1,4-Dioxane	26.84
Hexachloroethane	48.44
1,2,3,4-Tetramethylbenzene	51.62

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Certified Reference Material CRM

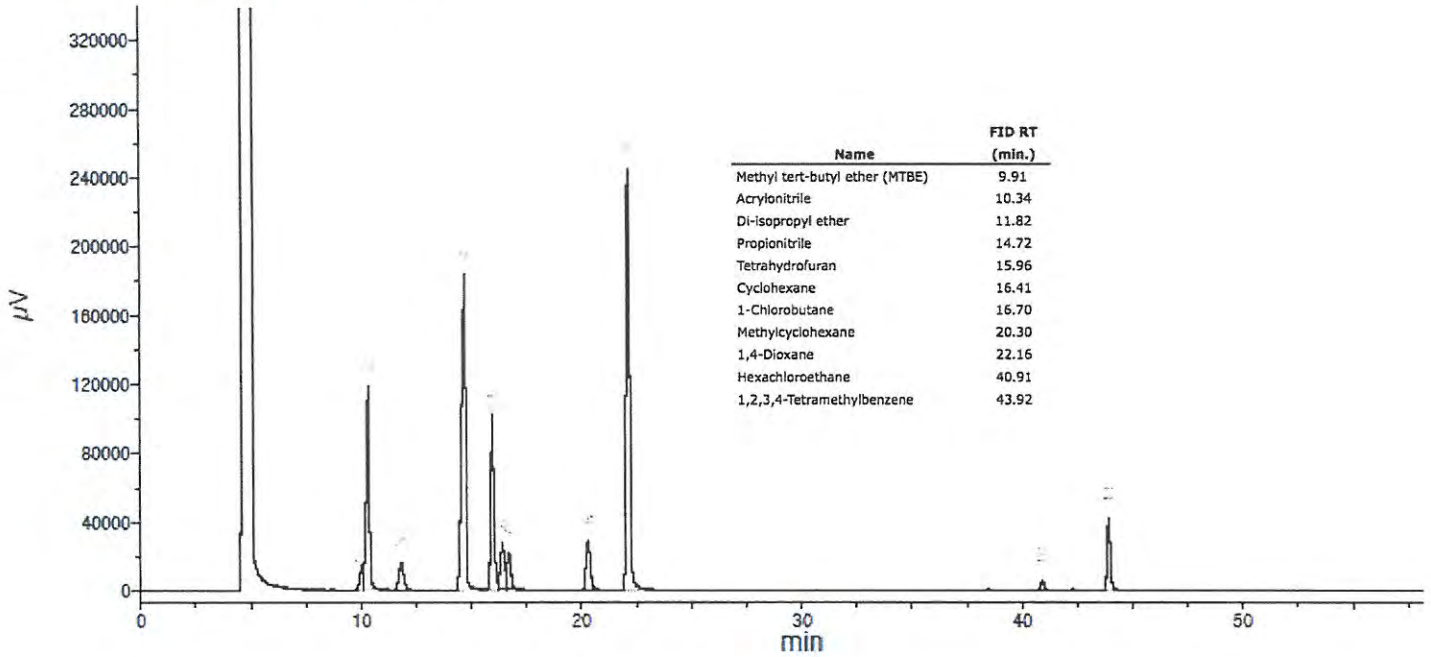
ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

Run 44, "P95319 L031921 [Varied in MeOH]"

Run Length: 60.00 min, 36000 points at 10 points/second.
Created: Sun, Mar 28, 2021 at 4:18:23 PM.
Sampled: Sequence "032421-GC13M1", Method "GC13-M1".
Analyzed using Method "GC13-M1".

Comments

GC13-M1 Analysis by Candice Warren
Column ID SPB-Vocol 105 meter X 0.53mm X 3.0µm film thickness
Flow rates: Total flow=290mL/min., Helium (carrier)=10mL/min.,
Helium(make-up)=10mL/min., Hydogen(make-up)=40mL/min., Air(make-up)=230mL/min.
Oven Profile: Temp. 1=35°C (Time 1=10 min.), Temp 2=200°C (Time 2=8.75 min.),
Rate = 4°C/min., Total run time=60 min. Injector temp.=200°C, FID Temp.=200°C.
FID Signal = Edaq Channel 1
Standard injection = 0.5µL, Range=6



Name	FID RT (min.)
Methyl tert-butyl ether (MTBE)	9.91
Acrylonitrile	10.34
Di-isopropyl ether	11.82
Propionitrile	14.72
Tetrahydrofuran	15.96
Cyclohexane	16.41
1-Chlorobutane	16.70
Methylcyclohexane	20.30
1,4-Dioxane	22.16
Hexachloroethane	40.91
1,2,3,4-Tetramethylbenzene	43.92

Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** May 1, 2019

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**

Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Absolute Standards Inc.
PO Box 5585
Hamden, CT 06518-0585
Phone: 203-281-2917
FAX: 203-281-2922

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 0000288059
Manufactured Date: 2021/06/11
Expiration Date: 2024/06/10

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	>= 99.9 %	100.0
Residue after Evaporation	<= 1.0000 ppm	0.6000
Titrable Acid (µeq/g)	<= 0.3	0.2
Titrable Base (µeq/g)	<= 0.1	0.1
Water (by KF, coulometric)	<= 0.08 %	0.01
Volatile Organic Trace Analysis – Below EPA 8260B CRQL	Conforms / Fails	Conforms

For Laboratory, Research or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: US
Packaging Site: Phillipsburg Mfg Ctr & DC

Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 0000288323
Manufactured Date: 2021-06-11
Expiration Date: 2024-06-10
Revision No.: 1

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.5 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.2
Titrable Base (µeq/g)	≤ 0.10	0.05
Water (by KF, coulometric)	≤ 0.08 %	0.01 %
Volatile Organic Trace Analysis - Below EPA 8260B CRQL	Conforms	Fails

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste
Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

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Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone 610.386.1700

SHIPPING DOCUMENTS

CHEMTECH
CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO.
QUOTE NO. N4647
COC Number 2028264

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Day Environmental, Inc.
ADDRESS: 1563 Lyell Avenue
CITY Rochester STATE: NY ZIP: 14606
ATTENTION: Jeff Danzinger
PHONE: 585-454-0210 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Andrews St. Site
PROJECT NO.: 53345-17 LOCATION: Rochester, NY
PROJECT MANAGER: Jeff Danzinger
e-mail: jdanzinger@daymail.net
PHONE: 585-454-0210 FAX:

CLIENT BILLING INFORMATION

BILL TO: Day Environmental, Inc. PO#: 53345-17
ADDRESS: 1563 Lyell Avenue
CITY Rochester STATE: NY ZIP: 14606
ATTENTION: Jeff Danzinger PHONE: 585-454-0210

DATA TURNAROUND INFORMATION

FAX (RUSH) 5 DAYS*
HARDCOPY (DATA PACKAGE): DAYS*
EDD: 15 DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☒ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC + Raw Data) ☐ NYS ASP A ☒ NYS ASP B
☐ Other
☒ EDD FORMAT NJDEP EQuIS EXCEL

ANALYSIS

1 TCLVOCs + TICs 8260
2 3 4 5 6 7 8 9

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES A/E 1	2	3	4	5	6	7	8	9	COMMENTS
1.	1034-MW-61 (23)	GW		X	9/8/22	0920	2	X									
2.	1035-MW-02 (23.8)	GW		X	9/8/22	0930	6	X									Also do MS/MSD
3.	1036-MW-03A (17)	GW		X	9/8/22	0950	2	X									
4.	1037-MW-11 (15)	GW		X	9/8/22	0945	2	X									
5.	1038-MW-17A (15.5)	GW		X	9/8/22	0955	2	X									
6.	1039-FB090822	AQ		X	9/8/22	1000	2	X									
7.	1040-TB090822	AQ		X	9/8/22	—	2	X									
8.																	
9.								9-8-2022									
10.																	

← Specify Preservatives
A-HCl D-NaOH
B-HNO3 E-ICE
C-H2SO4 F-OTHER

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	9-8-2022/1330	1. FED-EX
2.	9/12/22 14:48	2.
3.		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 10.1 °C
Comments: melted ICE

Page 1 of 1

CLIENT: ☐ Hand Delivered ☐ Other
CHEMTECH: ☐ Picked Up ☐ Field Sampling

Shipment Complete ☐ YES ☐ NO

2/2021 WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0649
DOD ELAP (L-A-B)	L2219
Maine	2022022
Maryland	296
New Hampshire	255422
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	P330-21-00137
Texas	T104704488-22-15

CHEMTECH

LOGIN REPORT/SAMPLE TRANSFER

Order ID : N4647 DAYE01
Client Name : Day Environmental, Inc.
Client Contact : Jeff Danzinger
Invoice Name : Day Environmental, Inc.
Invoice Contact : Jeff Danzinger

Order Date : 9/15/2022 9:20:41 AM
Project Name : Andrews St. Site
Receive DateTime : ~~9/8/2022~~ 2:48:00 PM
Purchase Order : 9/12/22 SB 9/29/22

Project Mgr : Yazmeen
Report Type : NYS ASP B
EDD Type : Equis_EQNYDEC/Excel
Hard Copy Date :
Date Signoff : 9/15/2022 10:25:05 AM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
N4647-01	1034-MW-01(23)	Water	09/08/2022	09:20					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days
N4647-02	1035-MW-02(23.8)	Water	09/08/2022	09:30					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days
N4647-03	N4647-02MS	Water	09/08/2022	09:30					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days
N4647-04	N4647-02MSD	Water	09/08/2022	09:30					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days
N4647-05	1036-MW-03A(17)	Water	09/08/2022	09:50					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days
N4647-06	1037-MW-11(15)	Water	09/08/2022	09:45					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days
N4647-07	1038-MW-17A(15.5)	Water	09/08/2022	09:55					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days
N4647-08	1039-FB090822	Water	09/08/2022	10:00					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days
N4647-09	1040-TB090822	Water	09/08/2022	00:00					

CHEMTECH

LOGIN REPORT/SAMPLE TRANSFER

Order ID :	N4647 DAYE01	**Order Date :**	9/15/2022 9:20:41 AM	**Project Mgr :**	Yazmeen
Client Name :	Day Environmental, Inc.	**Project Name :**	Andrews St. Site	**Report Type :**	NYS ASP B
Client Contact :	Jeff Danzinger	**Receive DateTime :**	~~9/8/2022~~ 2:48:00 PM	**EDD Type :**	Equis_EQNYDEC/Excel
Invoice Name :	Day Environmental, Inc.	**Purchase Order :**	9/12/22	**Hard Copy Date :**	
Invoice Contact :	Jeff Danzinger		SB 9/29/22	**Date Signoff :**	9/15/2022 10:25:05 AM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
					VOC-TCLVOA-10		8260-Low	10 Bus. Days	

Relinguished By : ~~SB 9/15/22~~

Date / Time : 10AM

Received By : PP 9/15/22

Date / Time : 10am

Storage Area : VOA Refridgerator Room

Data Usability Summary Report

Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

Andrew St.
Chemtech SDG#N4647
November 10, 2022
Sampling date: 9/8/2022

Prepared by:
Jodi Zimmerman
Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package for Day Environmental, project located at Andrew St., Chemtech, SDG#N4647 submitted to Vali-Data of WNY, LLC on October 12, 2022. This DUSR has been prepared in general compliance with USEPA National Functional Guidelines and NYSDEC Analytical Services Protocols. The laboratory performed the analysis using USEPA method Volatile Organics (8260C).

ID	Sample ID	Laboratory ID
1	1034-MW-01(23)	N4647-01
2	1035-MW-02(23.8)	N4647-02
3	1035-MW-02(23.8)MS	N4647-03
4	1035-MW-02(23.8)MSD	N4647-04
5	1036-MW-03A(17)	N4647-05
6	1037-MW-11(15)	N4647-06
7	1038-MW-17A(15.5)	N4647-07
8	1039-FB090822	N4647-08
9	1040-TB090822	N4647-09

VOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

-Data Completeness
-Narrative and Data Reporting Forms
-Chain of Custody and Traffic Reports
-Holding Times
-Internal Standard (IS) Area Performance
-Surrogate Spike Recoveries
-Method Blank
-Field Duplicate Sample Precision
-Laboratory Control Samples
-MS/MSD
-Compound Quantitation
-Initial Calibration
-Continuing Calibration
-GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Chain of Custody and Traffic Reports, Method Blank, Laboratory Control Samples, Compound Quantitation, MS/MSD and Continuing Calibration.

Samples: DUSR ID#1 and #6 were diluted due to high target analyte concentration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.
The data was not reported to 3 significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met except the temperature of the samples was outside QC limits, high. All target analytes in the samples should be qualified as estimated.

HOLDING TIMES
All criteria were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All criteria were met except a few TICs were detected in the method blanks above the qualification limits and should be qualified in the associated samples in which they were detected.

Blank ID	TIC ID/Retention Time	Qualifier	Associated Sample
VN0917WBL01	Sulfur Dioxide	U	1, 2, 5, 6
VN0917WBL01	2,4,6-Triamino-5-pyrimidinyl hydro	U	None
VN0919WBL01	Sulfur Dioxide	U	8, 9
VN0919WBL01	2.687	U	None

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met except the %Rec of a target analyte was outside QC limits in the laboratory control samples and should be qualified as estimated. This target analyte should be qualified as

estimated in the associated samples in which it was detected.

LCS ID	Target Analyte	%Rec	Qualifier	Associated Sample
VN0917WBS02	Vinyl chloride	128	JH	2, 6
VN0919WBS01	Vinyl chloride	126	JH	7

Several target analytes were outside QC limits high but were not detected in the associated samples, so no further action is required.

MS/MSD

All criteria were met except some target analytes were outside QC limits in the matrix spike and matrix spike duplicate and should be qualified as estimated. These target analytes should be qualified in the associated sample.

Target Analyte	%Rec 3MS	%Rec 4MSD	RPD	Qualifier	Associated Sample
Trichloroethene	-	-	20	J	2
Tetrachloroethene	240	260	-	JH	2
Chloroethane	134	138	27	UJ	2
Toluene	148	125	17	UJ	2
cis-1,2-Dichloroethene	-	125	26	J	2
Bromochloromethane	-	-	21	UJ	2

Some target analytes were outside QC limits high but were not detected in the associated samples, so no further action is required.
Some target analytes were outside QC limits in the matrix spike or the matrix spike duplicate but not both, so no further action is required.
Tetrachloroethene was outside calibration range in DUSR ID#3 and #4 and is qualified with an 'E'.

COMPOUND QUANTITATION

All criteria were met except several target analytes were detected in the sample blanks and should be qualified in the associated samples in which they were detected.

Blank ID	Target Analyte	Concentration(ug/l)	Qualifier	Associated Sample
8	Acetone	29.3	U	1, 1DL, 2, 5, 6, 7
8	Acetone	29.3	U at RL	6DL
8	2-Butanone	3.90	U at RL	2
8	Toluene	1.00	U at RL	None

Several TICs were detected in the sample blanks above the qualification level. They were either considered undetected due to method blank detects or not detected in the associated samples, so no further action is required.

INITIAL CALIBRATION

All criteria were met.

Alternate forms of regression were used on target analytes in which the %RSD>20%, with acceptable results.

CONTINUING CALIBRATION

All criteria were met some target analytes were outside QC limits in the continuing calibrations and should be qualified as estimated in the associated samples, blanks and spikes.

Ccal ID	Target Analyte	%D	Qualifier	Associated Sample
VN074550.D	Bromomethane	66.54	UJ/J	VN0917WBL01/WBS02, 1, 2, 5, 6
VN074550.D	Chloroethane	35.13	UJ/J	VN0917WBL01/WBS02, 1, 2, 5, 6
VN074550.D	Bromomethane	54.74	UJ/J	VN0919WBL01/WBS01, 3, 4, 7-9, 1DL, 6DL
VN074550.D	Chloroethane	29.75	UJ/J	VN0919WBL01/WBS01, 3, 4, 7-9, 1DL, 6DL

GC/MS PERFORMANCE CHECK

All criteria were met.

CHEMTECH
284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

CASE NARRATIVE

Day Environmental, Inc.
Project Name: Andrews St. Site
Project # N/A
Chemtech Project # N4647
Test Name: VOC-TCLVOA-10

A. Number of Samples and Date of Receipt:
9 Water samples were received on 09/12/2022.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: VOC-TCLVOA-10. This data package contains results for VOC-TCLVOA-10.

C. Analytical Techniques:
The analysis performed on instrument MSVOA_N were done using GC column RXI-624SIL MS 30m 0.25mm 1.4 um. Cat#13868.The analysis of VOC-TCLVOA-10 was based on method 8260-Low.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.

The MS {N4647-03MS} with File ID: VN074598.D recoveries met the requirements for all compounds except for Bromomethane[129%], Tetrachloroethene[240%], Toluene[148%] and Trichlorofluoromethane[134%] due to matrix interference.

The MSD {N4647-04MSD} with File ID: VN074599.D recoveries met the acceptable requirements except for Bromomethane[154%], Chloroethane[138%], cis-1,2-Dichloroethene[125%], Tetrachloroethene[260%], Toluene[125%] and Trichlorofluoromethane[138%],due to matrix interference.

The RPD for {N4647-04MSD} with File ID: VN074599.D met criteria except for Bromochloromethane[21%], Chloroethane[27%] and cis-1,2-Dichloroethene[26%]due to difference in results of MS-MSD.

The Blank Spike for {VN0917WBS02} with File ID: VN074553.D met requirements for all samples except for Bromomethane[175%], Chloroethane[184%], Chloromethane[117%] failing high but no positive hit in associated samples therefore no corrective action taken,and Vinyl chloride[128%]failing biased high and associated samples having hit for that but associated CCAL is passing therefore no corrective action taken,

The Blank Spike for {VN0919WBS01} with File ID: VN074580.D met requirements for all samples except for Chloromethane[117%], 2-Hexanone[120%], 4-Methyl-2-Pentanone[120%], Bromomethane[174%] , Chloroethane[165%]failing high but no positive hit in associated samples therefore no corrective action taken, and Vinyl chloride[126%]failing biased high and associated samples having hit for that but associated CCAL is passing therefore no corrective action taken.

The Blank analysis did not indicate the presence of lab contamination.
The %RSD is greater than 15% in the Initial Calibration method (82N091522W.M) for Chloromethane,1,1-Dichloroethene,Methylene Chloride,trans-1,2-Dichloroethene,Bromochloromethane,1,2,3-Trichlorobenzene these compounds are passing on Linear Regression.

The Continuous Calibration File ID VN074550.D met the requirements except for 2-Hexanone,4-Methyl-2-Pentanone,Bromomethane and Chloroethane,
The Continuous Calibration File ID VN074576.D met the requirements except for 2-Hexanone,4-Methyl-2-Pentanone,Bromomethane and Chloroethane,
Above mentioned CCAL failing high but no positive hit in associated samples therefore no corrective action taken.

The Tuning criteria met requirements.

Samples 1034-MW-01(23), 1037-MW-11(15) were diluted due to high concentrations.

E. Additional Comments:
The temperature of the samples at the time of receipt was 10.1°C
Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 15% for the Initial Calibration curve for SW-846 analysis.

F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature N. N. Pandya

APPROVED
By Nimisha Pandya QA/QC Supervisor at 11:03 am, Sep 29, 2022

CHEMTECH

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: N4647

Client: Day Environmental, Inc.

Analytical Method: SW8260-Low

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID : N4647-03MS	**Client Sample ID :** 1035-MW-02(23.8)MS							**Datafile :** VN074598.D			
Dichlorodifluoromethane	50	0	43.6	ug/L	87				73	120	
Chloromethane	50	0	52.5	ug/L	105				58	133	
Vinyl chloride	50	4.40	59.4	ug/L	110				69	125	
Bromomethane	50	0	64.4	ug/L	129	*			61	120	
Chloroethane	50	0	52.7	ug/L	105				58	134	
Trichlorofluoromethane	50	0	66.9	ug/L	134	*			72	124	
1,1,2-Trichlorotrifluoroethane	50	0	44.7	ug/L	89				75	117	
1,1-Dichloroethene	50	0	45.1	ug/L	90				77	118	
Acetone	250	15.2	260	ug/L	98				57	139	
Carbon disulfide	50	0	40.4	ug/L	81				67	118	
Methyl tert-butyl Ether	50	0	46.0	ug/L	92				60	148	
Methyl Acetate	50	0	43.3	ug/L	87				60	133	
Methylene Chloride	50	0	45.5	ug/L	91				79	115	
trans-1,2-Dichloroethene	50	1.80	44.4	ug/L	85				76	118	
1,1-Dichloroethane	50	0	44.5	ug/L	89				78	122	
Cyclohexane	50	0	41.7	ug/L	83				71	119	
2-Butanone	250	3.60	250	ug/L	99				67	137	
Carbon Tetrachloride	50	0	44.2	ug/L	88				84	115	
cis-1,2-Dichloroethene	50	34.1	82.0	ug/L	96				82	124	
Bromochloromethane	50	0	44.6	ug/L	89				72	130	
Chloroform	50	0	45.2	ug/L	90				83	119	
1,1,1-Trichloroethane	50	0	42.2	ug/L	84				83	117	
Methylcyclohexane	50	0	42.4	ug/L	85				64	120	
Benzene	50	0	45.5	ug/L	91				63	133	
1,2-Dichloroethane	50	0	46.3	ug/L	93				76	120	
Trichloroethene	50	30.3	82.5	ug/L	104				33	175	
1,2-Dichloropropane	50	0	45.5	ug/L	91				85	116	
Bromodichloromethane	50	0	45.5	ug/L	91				86	117	
4-Methyl-2-Pentanone	250	0	260	ug/L	104				72	137	
Toluene	50	0	74.1	ug/L	148	*			85	115	
t-1,3-Dichloropropene	50	0	43.3	ug/L	87				78	117	
cis-1,3-Dichloropropene	50	0	42.8	ug/L	86				77	115	
1,1,2-Trichloroethane	50	0	44.7	ug/L	89				87	119	
2-Hexanone	250	0	270	ug/L	108				75	131	
Dibromochloromethane	50	0	45.0	ug/L	90				88	118	
1,2-Dibromoethane	50	0	45.3	ug/L	91				85	119	
Tetrachloroethene	50	59.8	180	ug/L	240	*			65	114	
Chlorobenzene	50	0	46.0	ug/L	92				85	114	
Ethyl Benzene	50	0	52.9	ug/L	106				62	134	
m/p-Xylenes	100	0	130	ug/L	130				47	145	
o-Xylene	50	0	59.9	ug/L	120				56	140	
Styrene	50	0	48.8	ug/L	98				84	128	
Bromoform	50	0	47.3	ug/L	95				83	121	
Isopropylbenzene	50	0	47.5	ug/L	95				76	121	
1,1,2,2-Tetrachloroethane	50	0	46.8	ug/L	94				66	145	
1,3-Dichlorobenzene	50	0	46.9	ug/L	94				84	110	
1,4-Dichlorobenzene	50	0	46.4	ug/L	93				81	111	

CHEMTECH

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: N4647

Client: Day Environmental, Inc.

Analytical Method: SW8260-Low

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID : N4647-04MSD	**Client Sample ID :** 1035-MW-02(23.8)MSD							**Datafile :** VN074599.D			
Dichlorodifluoromethane	50	0	43.3	ug/L	87		1		73	120	20
Chloromethane	50	0	61.1	ug/L	122		15		58	133	20
Vinyl chloride	50	4.40	65.2	ug/L	122		10		69	125	20
Bromomethane	50	0	77.2	ug/L	154	*	18		61	120	20
Chloroethane	50	0	69.0	ug/L	138	*	27	*	58	134	20
Trichlorofluoromethane	50	0	69.0	ug/L	138	*	3		72	124	20
1,1,2-Trichlorotrifluoroethane	50	0	49.4	ug/L	99		10		75	117	20
1,1-Dichloroethene	50	0	51.4	ug/L	103		13		77	118	20
Acetone	250	15.2	310	ug/L	118		19		57	139	20
Carbon disulfide	50	0	45.4	ug/L	91		12		67	118	20
Methyl tert-butyl Ether	50	0	52.7	ug/L	105		14		60	148	20
Methyl Acetate	50	0	51.9	ug/L	104		18		60	133	20
Methylene Chloride	50	0	51.7	ug/L	103		13		79	115	20
trans-1,2-Dichloroethene	50	1.80	49.9	ug/L	96		12		76	118	20
1,1-Dichloroethane	50	0	52.1	ug/L	104		16		78	122	20
Cyclohexane	50	0	47.4	ug/L	95		13		71	119	20
2-Butanone	250	3.60	300	ug/L	119		18		67	137	20
Carbon Tetrachloride	50	0	48.7	ug/L	97		10		84	115	20
cis-1,2-Dichloroethene	50	34.1	96.5	ug/L	125	*	26	*	82	124	20
Bromochloromethane	50	0	54.9	ug/L	110		21	*	72	130	20
Chloroform	50	0	52.7	ug/L	105		15		83	119	20
1,1,1-Trichloroethane	50	0	49.8	ug/L	100		17		83	117	20
Methylcyclohexane	50	0	47.1	ug/L	94		11		64	120	20
Benzene	50	0	50.0	ug/L	100		9		63	133	20
1,2-Dichloroethane	50	0	52.7	ug/L	105		13		76	120	20
Trichloroethene	50	30.3	93.6	ug/L	127		20		33	175	20
1,2-Dichloropropane	50	0	52.3	ug/L	105		14		85	116	20
Bromodichloromethane	50	0	52.1	ug/L	104		14		86	117	20
4-Methyl-2-Pentanone	250	0	300	ug/L	120		14		72	137	20
Toluene	50	0	62.3	ug/L	125	*	17		85	115	20
t-1,3-Dichloropropene	50	0	48.1	ug/L	96		11		78	117	20
cis-1,3-Dichloropropene	50	0	48.4	ug/L	97		12		77	115	20
1,1,2-Trichloroethane	50	0	51.4	ug/L	103		14		87	119	20
2-Hexanone	250	0	310	ug/L	124		14		75	131	20
Dibromochloromethane	50	0	51.4	ug/L	103		13		88	118	20
1,2-Dibromoethane	50	0	51.9	ug/L	104		14		85	119	20
Tetrachloroethene	50	59.8	190	ug/L	260	*	8		65	114	20
Chlorobenzene	50	0	47.2	ug/L	94		3		85	114	20
Ethyl Benzene	50	0	51.1	ug/L	102		3		62	134	20
m/p-Xylenes	100	0	120	ug/L	120		8		47	145	20
o-Xylene	50	0	55.0	ug/L	110		9		56	140	20
Styrene	50	0	48.6	ug/L	97		0		84	128	20
Bromoform	50	0	50.3	ug/L	101		6		83	121	20
Isopropylbenzene	50	0	49.0	ug/L	98		3		76	121	20
1,1,2,2-Tetrachloroethane	50	0	50.1	ug/L	100		7		66	145	20
1,3-Dichlorobenzene	50	0	47.0	ug/L	94		0		84	110	20
1,4-Dichlorobenzene	50	0	47.5	ug/L	95		2		81	111	20

CHEMTECH

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: N4647
Client: Day Environmental, Inc.
Analytical Method: SW8260-Low **Datafile :** VN074553.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0917WBS02	Dichlorodifluoromethane	20	18.2	ug/L	91			69	116	
	Chloromethane	20	23.4	ug/L	117		*	65	116	
	Vinyl chloride	20	25.5	ug/L	128		*	65	117	
	Bromomethane	20	34.9	ug/L	175		*	34	158	
	Chloroethane	20	36.7	ug/L	184		*	53	135	
	Trichlorofluoromethane	20	19.5	ug/L	98			73	115	
	1,1,2-Trichlorotrifluoroethane	20	20.1	ug/L	101			80	112	
	1,1-Dichloroethene	20	20.4	ug/L	102			74	110	
	Acetone	100	110	ug/L	110			60	125	
	Carbon disulfide	20	17.6	ug/L	88			64	112	
	Methyl tert-butyl Ether	20	19.8	ug/L	99			78	114	
	Methyl Acetate	20	21.3	ug/L	106			67	125	
	Methylene Chloride	20	20.8	ug/L	104			72	114	
	trans-1,2-Dichloroethene	20	19.6	ug/L	98			75	108	
	1,1-Dichloroethane	20	20.8	ug/L	104			78	112	
	Cyclohexane	20	19.4	ug/L	97			75	110	
	2-Butanone	100	110	ug/L	110			65	122	
	Carbon Tetrachloride	20	18.4	ug/L	92			77	113	
	cis-1,2-Dichloroethene	20	19.1	ug/L	96			77	110	
	Bromochloromethane	20	20.3	ug/L	102			70	124	
	Chloroform	20	20.4	ug/L	102			79	113	
	1,1,1-Trichloroethane	20	19.0	ug/L	95			80	108	
	Methylcyclohexane	20	19.5	ug/L	98			72	115	
	Benzene	20	19.9	ug/L	100			82	109	
	1,2-Dichloroethane	20	20.3	ug/L	102			80	115	
	Trichloroethene	20	18.2	ug/L	91			77	113	
	1,2-Dichloropropane	20	20.2	ug/L	101			83	111	
	Bromodichloromethane	20	20.6	ug/L	103			83	110	
	4-Methyl-2-Pentanone	100	110	ug/L	110			74	118	
	Toluene	20	20.7	ug/L	104			82	110	
	t-1,3-Dichloropropene	20	18.9	ug/L	95			79	110	
	cis-1,3-Dichloropropene	20	19.1	ug/L	96			82	110	
	1,1,2-Trichloroethane	20	19.2	ug/L	96			83	112	
	2-Hexanone	100	110	ug/L	110			73	117	
	Dibromochloromethane	20	20.1	ug/L	101			82	110	
	1,2-Dibromoethane	20	20.1	ug/L	101			81	110	
	Tetrachloroethene	20	18.4	ug/L	92			67	123	
	Chlorobenzene	20	19.3	ug/L	97			82	109	
	Ethyl Benzene	20	20.1	ug/L	101			83	109	
	m/p-Xylenes	40	40.7	ug/L	102			82	110	
	o-Xylene	20	19.8	ug/L	99			83	109	
	Styrene	20	19.1	ug/L	96			80	111	
	Bromoform	20	19.0	ug/L	95			79	109	
	Isopropylbenzene	20	19.5	ug/L	98			83	112	
	1,1,2,2-Tetrachloroethane	20	20.5	ug/L	103			76	118	
	1,3-Dichlorobenzene	20	19.5	ug/L	98			82	108	
	1,4-Dichlorobenzene	20	18.8	ug/L	94			82	107	
	1,2-Dichlorobenzene	20	19.6	ug/L	98			82	109	
	1,2-Dibromo-3-Chloropropane	20	17.2	ug/L	86			68	112	

CHEMTECH

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: N4647

Client: Day Environmental, Inc.

Analytical Method: SW8260-Low **Datafile :** VN074580.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0919WBS01	Dichlorodifluoromethane	20	16.9	ug/L	85			69	116	
	Chloromethane	20	23.4	ug/L	117		*	65	116	
	Vinyl chloride	20	25.1	ug/L	126		*	65	117	
	Bromomethane	20	34.7	ug/L	174		*	34	158	
	Chloroethane	20	32.9	ug/L	165		*	53	135	
	Trichlorofluoromethane	20	17.9	ug/L	90			73	115	
	1,1,2-Trichlorotrifluoroethane	20	20.0	ug/L	100			80	112	
	1,1-Dichloroethene	20	20.0	ug/L	100			74	110	
	Acetone	100	110	ug/L	110			60	125	
	Carbon disulfide	20	17.5	ug/L	88			64	112	
	Methyl tert-butyl Ether	20	20.3	ug/L	102			78	114	
	Methyl Acetate	20	22.7	ug/L	114			67	125	
	Methylene Chloride	20	21.3	ug/L	106			72	114	
	trans-1,2-Dichloroethene	20	19.5	ug/L	98			75	108	
	1,1-Dichloroethane	20	20.2	ug/L	101			78	112	
	Cyclohexane	20	19.3	ug/L	97			75	110	
	2-Butanone	100	120	ug/L	120			65	122	
	Carbon Tetrachloride	20	18.5	ug/L	93			77	113	
	cis-1,2-Dichloroethene	20	18.4	ug/L	92			77	110	
	Bromochloromethane	20	20.6	ug/L	103			70	124	
	Chloroform	20	20.4	ug/L	102			79	113	
	1,1,1-Trichloroethane	20	18.4	ug/L	92			80	108	
	Methylcyclohexane	20	18.7	ug/L	94			72	115	
	Benzene	20	20.3	ug/L	102			82	109	
	1,2-Dichloroethane	20	21.0	ug/L	105			80	115	
	Trichloroethene	20	18.8	ug/L	94			77	113	
	1,2-Dichloropropane	20	20.5	ug/L	103			83	111	
	Bromodichloromethane	20	21.9	ug/L	110			83	110	
	4-Methyl-2-Pentanone	100	120	ug/L	120		*	74	118	
	Toluene	20	20.9	ug/L	104			82	110	
	t-1,3-Dichloropropene	20	20.0	ug/L	100			79	110	
	cis-1,3-Dichloropropene	20	19.1	ug/L	96			82	110	
	1,1,2-Trichloroethane	20	20.7	ug/L	104			83	112	
	2-Hexanone	100	120	ug/L	120		*	73	117	
	Dibromochloromethane	20	20.7	ug/L	104			82	110	
	1,2-Dibromoethane	20	21.2	ug/L	106			81	110	
	Tetrachloroethene	20	18.7	ug/L	94			67	123	
	Chlorobenzene	20	19.3	ug/L	97			82	109	
	Ethyl Benzene	20	19.5	ug/L	98			83	109	
	m/p-Xylenes	40	39.8	ug/L	100			82	110	
	o-Xylene	20	19.4	ug/L	97			83	109	
	Styrene	20	19.6	ug/L	98			80	111	
	Bromoform	20	19.0	ug/L	95			79	109	
	Isopropylbenzene	20	19.9	ug/L	100			83	112	
	1,1,2,2-Tetrachloroethane	20	20.2	ug/L	101			76	118	
	1,3-Dichlorobenzene	20	19.7	ug/L	99			82	108	
	1,4-Dichlorobenzene	20	19.7	ug/L	99			82	107	
	1,2-Dichlorobenzene	20	19.7	ug/L	99			82	109	
	1,2-Dibromo-3-Chloropropane	20	19.6	ug/L	98			68	112	

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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/08/22
Project:	Andrews St. Site	Date Received:	09/12/22
Client Sample ID:	1034-MW-01(23)	SDG No.:	N4647
Lab Sample ID:	N4647-01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN074568.D	1		09/17/22 20:08	VN091722

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.17	1.00	ug/L
74-87-3	Chloromethane	1.00	UQ	0.20	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	UQ	0.22	1.00	ug/L
74-83-9	Bromomethane	5.00	UQ	1.60	5.00	ug/L
75-00-3	Chloroethane	1.00	UQ	0.26	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.20	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.17	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.23	1.00	ug/L
67-64-1	Acetone	20.6		1.20	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.26	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.18	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.53	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.20	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.20	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.20	5.00	ug/L
78-93-3	2-Butanone	5.00	U	0.82	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.18	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00	U	0.17	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.19	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.18	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.18	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.13	1.00	ug/L
71-43-2	Benzene	1.00	U	0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.18	1.00	ug/L
79-01-6	Trichloroethene	0.55	J	0.27	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.17	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.18	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.87	5.00	ug/L
108-88-3	Toluene	1.00	U	0.17	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.14	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.16	1.00	ug/L

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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/08/22
Project:	Andrews St. Site	Date Received:	09/12/22
Client Sample ID:	1034-MW-01(23)	SDG No.:	N4647
Lab Sample ID:	N4647-01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN074568.D	1		09/17/22 20:08	VN091722

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1.00	U	0.19	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	0.76	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.14	1.00	ug/L
127-18-4	Tetrachloroethene	240	E	0.18	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.17	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.17	1.00	ug/L
179601-23-1	m/p-Xylenes	2.00	U	0.33	2.00	ug/L
95-47-6	o-Xylene	1.00	U	0.18	1.00	ug/L
100-42-5	Styrene	1.00	U	0.13	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.16	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.19	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.23	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.20	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.17	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.42	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.23	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.33	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.3		74 - 125	95%	SPK: 50
1868-53-7	Dibromofluoromethane	51.2		75 - 124	102%	SPK: 50
2037-26-5	Toluene-d8	48.2		86 - 113	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.5		83 - 123	105%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	263000	8.016			
540-36-3	1,4-Difluorobenzene	506000	8.904			
3114-55-4	Chlorobenzene-d5	504000	11.686			
3855-82-1	1,4-Dichlorobenzene-d4	215000	13.616			
TENTATIVE IDENTIFIED COMPOUNDS						
007446-09-5	Sulfur dioxide	24.2	JB		2.20	ug/L
109-99-9	Tetrahydrofuran	1.40	J		7.61	ug/L

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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/08/22
Project:	Andrews St. Site	Date Received:	09/12/22
Client Sample ID:	1034-MW-01(23)	SDG No.:	N4647
Lab Sample ID:	N4647-01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN074568.D	1		09/17/22 20:08	VN091722

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/08/22
Project:	Andrews St. Site	Date Received:	09/12/22
Client Sample ID:	1034-MW-01(23)DL	SDG No.:	N4647
Lab Sample ID:	N4647-01DL	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN074581.D	5		09/19/22 13:12	VN091922

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	5.00	UD	0.85	5.00	ug/L
74-87-3	Chloromethane	5.00	UDQ	1.00	5.00	ug/L
75-01-4	Vinyl Chloride	5.00	UDQ	1.10	5.00	ug/L
74-83-9	Bromomethane	25.0	UDQ	7.90	25.0	ug/L
75-00-3	Chloroethane	5.00	UDQ	1.30	5.00	ug/L
75-69-4	Trichlorofluoromethane	5.00	UD	1.00	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	5.00	UD	0.85	5.00	ug/L
75-35-4	1,1-Dichloroethene	5.00	UD	1.20	5.00	ug/L
67-64-1	Acetone	28.6	D	5.80	25.0	ug/L
75-15-0	Carbon Disulfide	5.00	UD	1.30	5.00	ug/L
1634-04-4	Methyl tert-butyl Ether	5.00	UD	0.90	5.00	ug/L
79-20-9	Methyl Acetate	5.00	UD	2.70	5.00	ug/L
75-09-2	Methylene Chloride	5.00	UD	0.90	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	5.00	UD	1.00	5.00	ug/L
75-34-3	1,1-Dichloroethane	5.00	UD	1.00	5.00	ug/L
110-82-7	Cyclohexane	25.0	UD	6.10	25.0	ug/L
78-93-3	2-Butanone	25.0	UD	4.10	25.0	ug/L
56-23-5	Carbon Tetrachloride	5.00	UD	0.90	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	5.00	UD	0.85	5.00	ug/L
74-97-5	Bromochloromethane	5.00	UD	0.95	5.00	ug/L
67-66-3	Chloroform	5.00	UD	0.90	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	5.00	UD	0.90	5.00	ug/L
108-87-2	Methylcyclohexane	5.00	UD	0.65	5.00	ug/L
71-43-2	Benzene	5.00	UD	0.80	5.00	ug/L
107-06-2	1,2-Dichloroethane	5.00	UD	0.90	5.00	ug/L
79-01-6	Trichloroethene	5.00	UD	1.40	5.00	ug/L
78-87-5	1,2-Dichloropropane	5.00	UD	0.85	5.00	ug/L
75-27-4	Bromodichloromethane	5.00	UD	0.90	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	25.0	UDQ	4.40	25.0	ug/L
108-88-3	Toluene	5.00	UD	0.85	5.00	ug/L
10061-02-6	t-1,3-Dichloropropene	5.00	UD	0.70	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	5.00	UD	0.80	5.00	ug/L

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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/08/22
Project:	Andrews St. Site	Date Received:	09/12/22
Client Sample ID:	1034-MW-01(23)DL	SDG No.:	N4647
Lab Sample ID:	N4647-01DL	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN074581.D	5		09/19/22 13:12	VN091922

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	5.00	UD	0.95	5.00	ug/L
591-78-6	2-Hexanone	25.0	UDQ	3.80	25.0	ug/L
124-48-1	Dibromochloromethane	5.00	UD	0.90	5.00	ug/L
106-93-4	1,2-Dibromoethane	5.00	UD	0.70	5.00	ug/L
127-18-4	Tetrachloroethene	250	D	0.90	5.00	ug/L
108-90-7	Chlorobenzene	5.00	UD	0.85	5.00	ug/L
100-41-4	Ethyl Benzene	5.00	UD	0.85	5.00	ug/L
179601-23-1	m/p-Xylenes	10.0	UD	1.70	10.0	ug/L
95-47-6	o-Xylene	5.00	UD	0.90	5.00	ug/L
100-42-5	Styrene	5.00	UD	0.65	5.00	ug/L
75-25-2	Bromoform	5.00	UD	0.80	5.00	ug/L
98-82-8	Isopropylbenzene	5.00	UD	0.95	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	5.00	UD	1.20	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	5.00	UD	1.00	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	5.00	UD	0.95	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	5.00	UD	0.85	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	5.00	UD	2.10	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	5.00	UD	1.20	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	5.00	UD	1.70	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46.5		74 - 125	93%	SPK: 50
1868-53-7	Dibromofluoromethane	53.7		75 - 124	107%	SPK: 50
2037-26-5	Toluene-d8	49.3		86 - 113	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.4		83 - 123	107%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	249000	8.016			
540-36-3	1,4-Difluorobenzene	464000	8.904			
3114-55-4	Chlorobenzene-d5	474000	11.686			
3855-82-1	1,4-Dichlorobenzene-d4	203000	13.616			

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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/08/22
Project:	Andrews St. Site	Date Received:	09/12/22
Client Sample ID:	1034-MW-01(23)DL	SDG No.:	N4647
Lab Sample ID:	N4647-01DL	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN074581.D	5		09/19/22 13:12	VN091922

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/08/22
Project:	Andrews St. Site	Date Received:	09/12/22
Client Sample ID:	1035-MW-02(23.8)	SDG No.:	N4647
Lab Sample ID:	N4647-02	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN074569.D	1		09/17/22 20:32	VN091722

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.17	1.00	ug/L
74-87-3	Chloromethane	1.00	UQ	0.20	1.00	ug/L
75-01-4	Vinyl Chloride	4.40	Q	0.22	1.00	ug/L
74-83-9	Bromomethane	5.00	UQ	1.60	5.00	ug/L
75-00-3	Chloroethane	1.00	UQ	0.26	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.20	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.17	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.23	1.00	ug/L
67-64-1	Acetone	15.2		1.20	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.26	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.18	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.53	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.80		0.20	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.20	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.20	5.00	ug/L
78-93-3	2-Butanone	3.60	J	0.82	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.18	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	34.1		0.17	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.19	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.18	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.18	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.13	1.00	ug/L
71-43-2	Benzene	1.00	U	0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.18	1.00	ug/L
79-01-6	Trichloroethene	30.3		0.27	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.17	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.18	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.87	5.00	ug/L
108-88-3	Toluene	1.00	U	0.17	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.14	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.16	1.00	ug/L

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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/08/22
Project:	Andrews St. Site	Date Received:	09/12/22
Client Sample ID:	1035-MW-02(23.8)	SDG No.:	N4647
Lab Sample ID:	N4647-02	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN074569.D	1		09/17/22 20:32	VN091722

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1.00	U	0.19	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	0.76	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.14	1.00	ug/L
127-18-4	Tetrachloroethene	59.8		0.18	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.17	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.17	1.00	ug/L
179601-23-1	m/p-Xylenes	2.00	U	0.33	2.00	ug/L
95-47-6	o-Xylene	1.00	U	0.18	1.00	ug/L
100-42-5	Styrene	1.00	U	0.13	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.16	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.19	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.23	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.20	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.17	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.42	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.23	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.33	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46.2		74 - 125	92%	SPK: 50
1868-53-7	Dibromofluoromethane	50.4		75 - 124	101%	SPK: 50
2037-26-5	Toluene-d8	47.8		86 - 113	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.8		83 - 123	108%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	262000	8.016			
540-36-3	1,4-Difluorobenzene	510000	8.904			
3114-55-4	Chlorobenzene-d5	510000	11.686			
3855-82-1	1,4-Dichlorobenzene-d4	214000	13.615			
TENTATIVE IDENTIFIED COMPOUNDS						
007446-09-5	Sulfur dioxide	25.7	JB		2.20	ug/L
1000226-69-7	tert-Butyl isopropyl disulfide, pe	5.60	J		2.70	ug/L
109-99-9	Tetrahydrofuran	1.60	J		7.62	ug/L

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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/08/22
Project:	Andrews St. Site	Date Received:	09/12/22
Client Sample ID:	1035-MW-02(23.8)	SDG No.:	N4647
Lab Sample ID:	N4647-02	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN074569.D	1		09/17/22 20:32	VN091722

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/08/22
Project:	Andrews St. Site	Date Received:	09/12/22
Client Sample ID:	1036-MW-03A(17)	SDG No.:	N4647
Lab Sample ID:	N4647-05	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN074570.D	1		09/17/22 20:56	VN091722

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.17	1.00	ug/L
74-87-3	Chloromethane	1.00	UQ	0.20	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	UQ	0.22	1.00	ug/L
74-83-9	Bromomethane	5.00	UQ	1.60	5.00	ug/L
75-00-3	Chloroethane	1.00	UQ	0.26	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.20	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.17	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.23	1.00	ug/L
67-64-1	Acetone	16.5		1.20	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.26	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.18	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.53	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	2.80		0.20	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.20	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.20	5.00	ug/L
78-93-3	2-Butanone	5.00	U	0.82	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.18	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	14.5		0.17	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.19	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.18	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.18	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.13	1.00	ug/L
71-43-2	Benzene	1.00	U	0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.18	1.00	ug/L
79-01-6	Trichloroethene	22.4		0.27	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.17	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.18	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.87	5.00	ug/L
108-88-3	Toluene	1.00	U	0.17	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.14	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.16	1.00	ug/L

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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/08/22
Project:	Andrews St. Site	Date Received:	09/12/22
Client Sample ID:	1036-MW-03A(17)	SDG No.:	N4647
Lab Sample ID:	N4647-05	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN074570.D	1		09/17/22 20:56	VN091722

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1.00	U	0.19	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	0.76	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.14	1.00	ug/L
127-18-4	Tetrachloroethene	27.6		0.18	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.17	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.17	1.00	ug/L
179601-23-1	m/p-Xylenes	2.00	U	0.33	2.00	ug/L
95-47-6	o-Xylene	1.00	U	0.18	1.00	ug/L
100-42-5	Styrene	1.00	U	0.13	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.16	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.19	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.23	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.20	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.17	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.42	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.23	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.33	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.0		74 - 125	96%	SPK: 50
1868-53-7	Dibromofluoromethane	50.6		75 - 124	101%	SPK: 50
2037-26-5	Toluene-d8	48.8		86 - 113	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.9		83 - 123	108%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	251000	8.016			
540-36-3	1,4-Difluorobenzene	489000	8.904			
3114-55-4	Chlorobenzene-d5	495000	11.686			
3855-82-1	1,4-Dichlorobenzene-d4	220000	13.616			
TENTATIVE IDENTIFIED COMPOUNDS						
007446-09-5	Sulfur dioxide	23.0	JB		2.20	ug/L
000075-00-3	Ethyl Chloride	6.60	J		2.69	ug/L
109-99-9	Tetrahydrofuran	1.40	J		7.61	ug/L

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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/08/22
Project:	Andrews St. Site	Date Received:	09/12/22
Client Sample ID:	1036-MW-03A(17)	SDG No.:	N4647
Lab Sample ID:	N4647-05	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN074570.D	1		09/17/22 20:56	VN091722

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/08/22
Project:	Andrews St. Site	Date Received:	09/12/22
Client Sample ID:	1037-MW-11(15)	SDG No.:	N4647
Lab Sample ID:	N4647-06	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN074571.D	1		09/17/22 21:21	VN091722

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.17	1.00	ug/L
74-87-3	Chloromethane	1.00	UQ	0.20	1.00	ug/L
75-01-4	Vinyl Chloride	2.20	Q	0.22	1.00	ug/L
74-83-9	Bromomethane	5.00	UQ	1.60	5.00	ug/L
75-00-3	Chloroethane	1.00	UQ	0.26	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.20	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.17	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.23	1.00	ug/L
67-64-1	Acetone	14.5		1.20	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.26	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.18	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.53	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00		0.20	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.20	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.20	5.00	ug/L
78-93-3	2-Butanone	5.00	U	0.82	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.18	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	41.8		0.17	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.19	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.18	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.18	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.13	1.00	ug/L
71-43-2	Benzene	1.00	U	0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.18	1.00	ug/L
79-01-6	Trichloroethene	140	E	0.27	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.17	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.18	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.87	5.00	ug/L
108-88-3	Toluene	1.00	U	0.17	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.14	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.16	1.00	ug/L

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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/08/22
Project:	Andrews St. Site	Date Received:	09/12/22
Client Sample ID:	1037-MW-11(15)	SDG No.:	N4647
Lab Sample ID:	N4647-06	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN074571.D	1		09/17/22 21:21	VN091722

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1.00	U	0.19	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	0.76	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.14	1.00	ug/L
127-18-4	Tetrachloroethene	410	E	0.18	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.17	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.17	1.00	ug/L
179601-23-1	m/p-Xylenes	2.00	U	0.33	2.00	ug/L
95-47-6	o-Xylene	1.00	U	0.18	1.00	ug/L
100-42-5	Styrene	1.00	U	0.13	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.16	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.19	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.23	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.20	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.17	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.42	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.23	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.33	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.8		74 - 125	96%	SPK: 50
1868-53-7	Dibromofluoromethane	49.7		75 - 124	99%	SPK: 50
2037-26-5	Toluene-d8	47.2		86 - 113	94%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.1		83 - 123	108%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	256000	8.016			
540-36-3	1,4-Difluorobenzene	512000	8.904			
3114-55-4	Chlorobenzene-d5	520000	11.686			
3855-82-1	1,4-Dichlorobenzene-d4	228000	13.616			
TENTATIVE IDENTIFIED COMPOUNDS						
007446-09-5	Sulfur dioxide	21.3	JB		2.20	ug/L
109-99-9	Tetrahydrofuran	1.20	J		7.63	ug/L

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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/08/22
Project:	Andrews St. Site	Date Received:	09/12/22
Client Sample ID:	1037-MW-11(15)	SDG No.:	N4647
Lab Sample ID:	N4647-06	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN074571.D	1		09/17/22 21:21	VN091722

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/08/22
Project:	Andrews St. Site	Date Received:	09/12/22
Client Sample ID:	1037-MW-11(15)DL	SDG No.:	N4647
Lab Sample ID:	N4647-06DL	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN074582.D	10		09/19/22 13:36	VN091922

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	10.0	UD	1.70	10.0	ug/L
74-87-3	Chloromethane	10.0	UDQ	2.00	10.0	ug/L
75-01-4	Vinyl Chloride	10.0	UDQ	2.20	10.0	ug/L
74-83-9	Bromomethane	50.0	UDQ	15.7	50.0	ug/L
75-00-3	Chloroethane	10.0	UDQ	2.60	10.0	ug/L
75-69-4	Trichlorofluoromethane	10.0	UD	2.00	10.0	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	10.0	UD	1.70	10.0	ug/L
75-35-4	1,1-Dichloroethene	10.0	UD	2.30	10.0	ug/L
67-64-1	Acetone	20.8	JD	11.6	50.0	ug/L
75-15-0	Carbon Disulfide	10.0	UD	2.60	10.0	ug/L
1634-04-4	Methyl tert-butyl Ether	10.0	UD	1.80	10.0	ug/L
79-20-9	Methyl Acetate	10.0	UD	5.30	10.0	ug/L
75-09-2	Methylene Chloride	10.0	UD	1.80	10.0	ug/L
156-60-5	trans-1,2-Dichloroethene	10.0	UD	2.00	10.0	ug/L
75-34-3	1,1-Dichloroethane	10.0	UD	2.00	10.0	ug/L
110-82-7	Cyclohexane	50.0	UD	12.1	50.0	ug/L
78-93-3	2-Butanone	50.0	UD	8.20	50.0	ug/L
56-23-5	Carbon Tetrachloride	10.0	UD	1.80	10.0	ug/L
156-59-2	cis-1,2-Dichloroethene	38.5	D	1.70	10.0	ug/L
74-97-5	Bromochloromethane	10.0	UD	1.90	10.0	ug/L
67-66-3	Chloroform	10.0	UD	1.80	10.0	ug/L
71-55-6	1,1,1-Trichloroethane	10.0	UD	1.80	10.0	ug/L
108-87-2	Methylcyclohexane	10.0	UD	1.30	10.0	ug/L
71-43-2	Benzene	10.0	UD	1.60	10.0	ug/L
107-06-2	1,2-Dichloroethane	10.0	UD	1.80	10.0	ug/L
79-01-6	Trichloroethene	110	D	2.70	10.0	ug/L
78-87-5	1,2-Dichloropropane	10.0	UD	1.70	10.0	ug/L
75-27-4	Bromodichloromethane	10.0	UD	1.80	10.0	ug/L
108-10-1	4-Methyl-2-Pentanone	50.0	UDQ	8.70	50.0	ug/L
108-88-3	Toluene	10.0	UD	1.70	10.0	ug/L
10061-02-6	t-1,3-Dichloropropene	10.0	UD	1.40	10.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	10.0	UD	1.60	10.0	ug/L

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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/08/22
Project:	Andrews St. Site	Date Received:	09/12/22
Client Sample ID:	1037-MW-11(15)DL	SDG No.:	N4647
Lab Sample ID:	N4647-06DL	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN074582.D	10		09/19/22 13:36	VN091922

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	10.0	UD	1.90	10.0	ug/L
591-78-6	2-Hexanone	50.0	UDQ	7.60	50.0	ug/L
124-48-1	Dibromochloromethane	10.0	UD	1.80	10.0	ug/L
106-93-4	1,2-Dibromoethane	10.0	UD	1.40	10.0	ug/L
127-18-4	Tetrachloroethene	300	D	1.80	10.0	ug/L
108-90-7	Chlorobenzene	10.0	UD	1.70	10.0	ug/L
100-41-4	Ethyl Benzene	10.0	UD	1.70	10.0	ug/L
179601-23-1	m/p-Xylenes	20.0	UD	3.30	20.0	ug/L
95-47-6	o-Xylene	10.0	UD	1.80	10.0	ug/L
100-42-5	Styrene	10.0	UD	1.30	10.0	ug/L
75-25-2	Bromoform	10.0	UD	1.60	10.0	ug/L
98-82-8	Isopropylbenzene	10.0	UD	1.90	10.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	10.0	UD	2.30	10.0	ug/L
541-73-1	1,3-Dichlorobenzene	10.0	UD	2.00	10.0	ug/L
106-46-7	1,4-Dichlorobenzene	10.0	UD	1.90	10.0	ug/L
95-50-1	1,2-Dichlorobenzene	10.0	UD	1.70	10.0	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	10.0	UD	4.20	10.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	10.0	UD	2.30	10.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	10.0	UD	3.30	10.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46.0		74 - 125	92%	SPK: 50
1868-53-7	Dibromofluoromethane	50.5		75 - 124	101%	SPK: 50
2037-26-5	Toluene-d8	47.7		86 - 113	95%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.0		83 - 123	104%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	282000	8.016			
540-36-3	1,4-Difluorobenzene	537000	8.904			
3114-55-4	Chlorobenzene-d5	526000	11.686			
3855-82-1	1,4-Dichlorobenzene-d4	227000	13.616			

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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/08/22
Project:	Andrews St. Site	Date Received:	09/12/22
Client Sample ID:	1037-MW-11(15)DL	SDG No.:	N4647
Lab Sample ID:	N4647-06DL	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN074582.D	10		09/19/22 13:36	VN091922

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/08/22
Project:	Andrews St. Site	Date Received:	09/12/22
Client Sample ID:	1038-MW-17A(15.5)	SDG No.:	N4647
Lab Sample ID:	N4647-07	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN074588.D	1		09/19/22 16:03	VN091922

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.17	1.00	ug/L
74-87-3	Chloromethane	1.00	UQ	0.20	1.00	ug/L
75-01-4	Vinyl Chloride	18.8	Q	0.22	1.00	ug/L
74-83-9	Bromomethane	5.00	UQ	1.60	5.00	ug/L
75-00-3	Chloroethane	1.00	UQ	0.26	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.20	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.17	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.23	1.00	ug/L
67-64-1	Acetone	14.8		1.20	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.26	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.18	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.53	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.30		0.20	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.20	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.20	5.00	ug/L
78-93-3	2-Butanone	5.00	U	0.82	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.18	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	78.6		0.17	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.19	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.18	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.18	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.13	1.00	ug/L
71-43-2	Benzene	1.00	U	0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.18	1.00	ug/L
79-01-6	Trichloroethene	11.2		0.27	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.17	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.18	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	UQ	0.87	5.00	ug/L
108-88-3	Toluene	1.00	U	0.17	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.14	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.16	1.00	ug/L

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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/08/22
Project:	Andrews St. Site	Date Received:	09/12/22
Client Sample ID:	1038-MW-17A(15.5)	SDG No.:	N4647
Lab Sample ID:	N4647-07	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN074588.D	1		09/19/22 16:03	VN091922

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1.00	U	0.19	1.00	ug/L
591-78-6	2-Hexanone	5.00	UQ	0.76	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.14	1.00	ug/L
127-18-4	Tetrachloroethene	2.20		0.18	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.17	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.17	1.00	ug/L
179601-23-1	m/p-Xylenes	2.00	U	0.33	2.00	ug/L
95-47-6	o-Xylene	1.00	U	0.18	1.00	ug/L
100-42-5	Styrene	1.00	U	0.13	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.16	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.19	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.23	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.20	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.17	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.42	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.23	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.33	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.3		74 - 125	95%	SPK: 50
1868-53-7	Dibromofluoromethane	50.6		75 - 124	101%	SPK: 50
2037-26-5	Toluene-d8	47.0		86 - 113	94%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.9		83 - 123	104%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	247000	8.016			
540-36-3	1,4-Difluorobenzene	488000	8.904			
3114-55-4	Chlorobenzene-d5	484000	11.686			
3855-82-1	1,4-Dichlorobenzene-d4	210000	13.616			
TENTATIVE IDENTIFIED COMPOUNDS						
109-99-9	Tetrahydrofuran	1.40	J		7.62	ug/L

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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/08/22
Project:	Andrews St. Site	Date Received:	09/12/22
Client Sample ID:	1038-MW-17A(15.5)	SDG No.:	N4647
Lab Sample ID:	N4647-07	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN074588.D	1		09/19/22 16:03	VN091922

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/08/22
Project:	Andrews St. Site	Date Received:	09/12/22
Client Sample ID:	1039-FB090822	SDG No.:	N4647
Lab Sample ID:	N4647-08	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN074587.D	1		09/19/22 15:39	VN091922

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.17	1.00	ug/L
74-87-3	Chloromethane	1.00	UQ	0.20	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	UQ	0.22	1.00	ug/L
74-83-9	Bromomethane	5.00	UQ	1.60	5.00	ug/L
75-00-3	Chloroethane	1.00	UQ	0.26	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.20	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.17	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.23	1.00	ug/L
67-64-1	Acetone	29.3		1.20	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.26	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.18	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.53	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.20	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.20	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.20	5.00	ug/L
78-93-3	2-Butanone	3.90	J	0.82	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.18	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00	U	0.17	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.19	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.18	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.18	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.13	1.00	ug/L
71-43-2	Benzene	1.00	U	0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.18	1.00	ug/L
79-01-6	Trichloroethene	1.00	U	0.27	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.17	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.18	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	UQ	0.87	5.00	ug/L
108-88-3	Toluene	1.00		0.17	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.14	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.16	1.00	ug/L

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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/08/22
Project:	Andrews St. Site	Date Received:	09/12/22
Client Sample ID:	1039-FB090822	SDG No.:	N4647
Lab Sample ID:	N4647-08	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN074587.D	1		09/19/22 15:39	VN091922

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1.00	U	0.19	1.00	ug/L
591-78-6	2-Hexanone	5.00	UQ	0.76	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.14	1.00	ug/L
127-18-4	Tetrachloroethene	1.00	U	0.18	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.17	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.17	1.00	ug/L
179601-23-1	m/p-Xylenes	2.00	U	0.33	2.00	ug/L
95-47-6	o-Xylene	1.00	U	0.18	1.00	ug/L
100-42-5	Styrene	1.00	U	0.13	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.16	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.19	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.23	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.20	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.17	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.42	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.23	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.33	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.7		74 - 125	95%	SPK: 50
1868-53-7	Dibromofluoromethane	51.8		75 - 124	104%	SPK: 50
2037-26-5	Toluene-d8	48.9		86 - 113	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.5		83 - 123	109%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	244000	8.022			
540-36-3	1,4-Difluorobenzene	472000	8.904			
3114-55-4	Chlorobenzene-d5	484000	11.686			
3855-82-1	1,4-Dichlorobenzene-d4	211000	13.616			
TENTATIVE IDENTIFIED COMPOUNDS						
007446-09-5	Sulfur dioxide	22.4	JB		2.20	ug/L
071552-23-3	2,4,6-Triamino-5-pyrimidinyl hydro	7.20	J		2.69	ug/L
000104-76-7	1-Hexanol, 2-ethyl-	61.2	J		13.7	ug/L

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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/08/22
Project:	Andrews St. Site	Date Received:	09/12/22
Client Sample ID:	1039-FB090822	SDG No.:	N4647
Lab Sample ID:	N4647-08	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN074587.D	1		09/19/22 15:39	VN091922

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/08/22
Project:	Andrews St. Site	Date Received:	09/12/22
Client Sample ID:	1040-TB090822	SDG No.:	N4647
Lab Sample ID:	N4647-09	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN074586.D	1		09/19/22 15:14	VN091922

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.17	1.00	ug/L
74-87-3	Chloromethane	1.00	UQ	0.20	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	UQ	0.22	1.00	ug/L
74-83-9	Bromomethane	5.00	UQ	1.60	5.00	ug/L
75-00-3	Chloroethane	1.00	UQ	0.26	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.20	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.17	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.23	1.00	ug/L
67-64-1	Acetone	5.00	U	1.20	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.26	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.18	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.53	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.20	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.20	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.20	5.00	ug/L
78-93-3	2-Butanone	5.00	U	0.82	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.18	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00	U	0.17	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.19	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.18	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.18	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.13	1.00	ug/L
71-43-2	Benzene	1.00	U	0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.18	1.00	ug/L
79-01-6	Trichloroethene	1.00	U	0.27	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.17	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.18	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	UQ	0.87	5.00	ug/L
108-88-3	Toluene	1.00	U	0.17	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.14	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.16	1.00	ug/L

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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/08/22
Project:	Andrews St. Site	Date Received:	09/12/22
Client Sample ID:	1040-TB090822	SDG No.:	N4647
Lab Sample ID:	N4647-09	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN074586.D	1		09/19/22 15:14	VN091922

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1.00	U	0.19	1.00	ug/L
591-78-6	2-Hexanone	5.00	UQ	0.76	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.14	1.00	ug/L
127-18-4	Tetrachloroethene	1.00	U	0.18	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.17	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.17	1.00	ug/L
179601-23-1	m/p-Xylenes	2.00	U	0.33	2.00	ug/L
95-47-6	o-Xylene	1.00	U	0.18	1.00	ug/L
100-42-5	Styrene	1.00	U	0.13	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.16	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.19	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.23	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.20	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.17	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.42	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.23	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.33	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46.9		74 - 125	94%	SPK: 50
1868-53-7	Dibromofluoromethane	50.5		75 - 124	101%	SPK: 50
2037-26-5	Toluene-d8	47.9		86 - 113	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.5		83 - 123	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	252000	8.016			
540-36-3	1,4-Difluorobenzene	490000	8.904			
3114-55-4	Chlorobenzene-d5	490000	11.686			
3855-82-1	1,4-Dichlorobenzene-d4	200000	13.616			
TENTATIVE IDENTIFIED COMPOUNDS						
007446-09-5	Sulfur dioxide	19.2	JB		2.20	ug/L
071525-41-2	4,6-Diamino-5-pyrimidinyl hydrogen	9.20	J		2.69	ug/L

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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/08/22
Project:	Andrews St. Site	Date Received:	09/12/22
Client Sample ID:	1040-TB090822	SDG No.:	N4647
Lab Sample ID:	N4647-09	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN074586.D	1		09/19/22 15:14	VN091922

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: DAYE01

Lab Code: CHEM Case No.: N4647 SAS No.: N4647 SDG No.: N4647

Instrument ID: MSVOA_N Calibration Date/Time: 09/17/2022 12:40

Lab File ID: VN074550.D Init. Calib. Date(s): 09/15/2022 09/15/2022

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:36 13:26

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.544	0.467		-14.15	20
Chloromethane	1.009	0.984	0.1	-2.48	20
Vinyl Chloride	0.979	1.170		19.51	20
Bromomethane	0.517	0.861		66.54	20
Chloroethane	0.669	0.904		35.13	20
Trichlorofluoromethane	1.082	1.043		-3.6	20
1,1,2-Trichlorotrifluoroethane	0.669	0.685		2.39	20
1,1-Dichloroethene	0.719	0.634		-11.82	20
Acetone	0.543	0.529		-2.58	20
Carbon Disulfide	1.806	1.616		-10.52	20
Methyl tert-butyl Ether	2.775	2.764		-0.4	20
Methyl Acetate	1.686	1.688		0.12	20
Methylene Chloride	0.930	0.831		-10.65	20
trans-1,2-Dichloroethene	0.785	0.708		-9.81	20
1,1-Dichloroethane	1.578	1.603	0.1	1.58	20
Cyclohexane	1.506	1.431		-4.98	20
2-Butanone	0.901	0.969		7.55	20
Carbon Tetrachloride	0.543	0.583		7.37	20
cis-1,2-Dichloroethene	0.926	0.918		-0.86	20
Bromochloromethane	0.544	0.477		-12.32	20
Chloroform	1.457	1.557		6.86	20
1,1,1-Trichloroethane	1.278	1.258		-1.57	20
Methylcyclohexane	0.699	0.752		7.58	20
Benzene	1.818	2.010		10.56	20
1,2-Dichloroethane	0.624	0.703		12.66	20
Trichloroethene	0.393	0.407		3.56	20
1,2-Dichloropropane	0.500	0.559		11.8	20
Bromodichloromethane	0.613	0.710		15.82	20
4-Methyl-2-Pentanone	0.929	1.134		22.07	20
Toluene	1.066	1.244		16.7	20
t-1,3-Dichloropropene	0.715	0.782		9.37	20
cis-1,3-Dichloropropene	0.765	0.846		10.59	20
1,1,2-Trichloroethane	0.452	0.496		9.73	20
2-Hexanone	0.709	0.875		23.41	20
Dibromochloromethane	0.432	0.500		15.74	20
1,2-Dibromoethane	0.439	0.503		14.58	20
Tetrachloroethene	0.343	0.352		2.62	20
Chlorobenzene	1.255	1.303	0.3	3.83	20
Ethyl Benzene	2.305	2.545		10.41	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: DAYE01

Lab Code: CHEM Case No.: N4647 SAS No.: N4647 SDG No.: N4647

Instrument ID: MSVOA_N Calibration Date/Time: 09/19/2022 10:44

Lab File ID: VN074576.D Init. Calib. Date(s): 09/15/2022 09/15/2022

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:36 13:26

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.544	0.480		-11.77	20
Chloromethane	1.009	0.926	0.1	-8.23	20
Vinyl Chloride	0.979	1.158		18.28	20
Bromomethane	0.517	0.800		54.74	20
Chloroethane	0.669	0.868		29.75	20
Trichlorofluoromethane	1.082	1.044		-3.51	20
1,1,2-Trichlorotrifluoroethane	0.669	0.656		-1.94	20
1,1-Dichloroethene	0.719	0.642		-10.71	20
Acetone	0.543	0.562		3.5	20
Carbon Disulfide	1.806	1.581		-12.46	20
Methyl tert-butyl Ether	2.775	2.798		0.83	20
Methyl Acetate	1.686	1.743		3.38	20
Methylene Chloride	0.930	0.829		-10.86	20
trans-1,2-Dichloroethene	0.785	0.702		-10.57	20
1,1-Dichloroethane	1.578	1.601	0.1	1.46	20
Cyclohexane	1.506	1.417		-5.91	20
2-Butanone	0.901	0.986		9.43	20
Carbon Tetrachloride	0.543	0.544		0.18	20
cis-1,2-Dichloroethene	0.926	0.891		-3.78	20
Bromochloromethane	0.544	0.466		-14.34	20
Chloroform	1.457	1.527		4.8	20
1,1,1-Trichloroethane	1.278	1.233		-3.52	20
Methylcyclohexane	0.699	0.711		1.72	20
Benzene	1.818	1.873		3.03	20
1,2-Dichloroethane	0.624	0.686		9.94	20
Trichloroethene	0.393	0.381		-3.05	20
1,2-Dichloropropane	0.500	0.521		4.2	20
Bromodichloromethane	0.613	0.663		8.16	20
4-Methyl-2-Pentanone	0.929	1.125		21.1	20
Toluene	1.066	1.143		7.22	20
t-1,3-Dichloropropene	0.715	0.768		7.41	20
cis-1,3-Dichloropropene	0.765	0.788		3.01	20
1,1,2-Trichloroethane	0.452	0.478		5.75	20
2-Hexanone	0.709	0.859		21.16	20
Dibromochloromethane	0.432	0.473		9.49	20
1,2-Dibromoethane	0.439	0.474		7.97	20
Tetrachloroethene	0.343	0.336		-2.04	20
Chlorobenzene	1.255	1.251	0.3	-0.32	20
Ethyl Benzene	2.305	2.447		6.16	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrews St. Site	Date Received:	
Client Sample ID:	VN0917WBL01	SDG No.:	N4647
Lab Sample ID:	VN0917WBL01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN074551.D	1		09/17/22 13:14	VN091722

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1.00	U	0.19	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	0.76	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.14	1.00	ug/L
127-18-4	Tetrachloroethene	1.00	U	0.18	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.17	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.17	1.00	ug/L
179601-23-1	m/p-Xylenes	2.00	U	0.33	2.00	ug/L
95-47-6	o-Xylene	1.00	U	0.18	1.00	ug/L
100-42-5	Styrene	1.00	U	0.13	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.16	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.19	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.23	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.20	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.17	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.42	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.23	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.33	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46.1		74 - 125	92%	SPK: 50
1868-53-7	Dibromofluoromethane	48.1		75 - 124	96%	SPK: 50
2037-26-5	Toluene-d8	45.3		86 - 113	91%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.8		83 - 123	98%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	264000	8.01			
540-36-3	1,4-Difluorobenzene	525000	8.904			
3114-55-4	Chlorobenzene-d5	513000	11.686			
3855-82-1	1,4-Dichlorobenzene-d4	216000	13.616			
TENTATIVE IDENTIFIED COMPOUNDS						
007446-09-5	Sulfur dioxide	16.1	J		2.20	ug/L
071552-23-3	2,4,6-Triamino-5-pyrimidinyl hydro	6.90	J		2.68	ug/L

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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrews St. Site	Date Received:	
Client Sample ID:	VN0919WBL01	SDG No.:	N4647
Lab Sample ID:	VN0919WBL01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN074578.D	1		09/19/22 11:49	VN091922

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1.00	U	0.19	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	0.76	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.14	1.00	ug/L
127-18-4	Tetrachloroethene	1.00	U	0.18	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.17	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.17	1.00	ug/L
179601-23-1	m/p-Xylenes	2.00	U	0.33	2.00	ug/L
95-47-6	o-Xylene	1.00	U	0.18	1.00	ug/L
100-42-5	Styrene	1.00	U	0.13	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.16	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.19	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.23	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.20	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.17	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.42	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.23	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.33	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.7		74 - 125	95%	SPK: 50
1868-53-7	Dibromofluoromethane	50.5		75 - 124	101%	SPK: 50
2037-26-5	Toluene-d8	47.7		86 - 113	95%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.0		83 - 123	106%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	295000	8.016			
540-36-3	1,4-Difluorobenzene	578000	8.904			
3114-55-4	Chlorobenzene-d5	550000	11.686			
3855-82-1	1,4-Dichlorobenzene-d4	242000	13.616			
TENTATIVE IDENTIFIED COMPOUNDS						
007446-09-5	Sulfur dioxide	12.0	J		2.20	ug/L
	unknown2.687	5.10	J		2.69	ug/L

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/08/22
Project:	Andrews St. Site	Date Received:	09/12/22
Client Sample ID:	1035-MW-02(23.8)MS	SDG No.:	N4647
Lab Sample ID:	N4647-03MS	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN074598.D	1		09/19/22 20:08	VN091922

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	44.7		0.19	1.00	ug/L
591-78-6	2-Hexanone	270		0.76	5.00	ug/L
124-48-1	Dibromochloromethane	45.0		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	45.3		0.14	1.00	ug/L
127-18-4	Tetrachloroethene	180	E	0.18	1.00	ug/L
108-90-7	Chlorobenzene	46.0		0.17	1.00	ug/L
100-41-4	Ethyl Benzene	52.9		0.17	1.00	ug/L
179601-23-1	m/p-Xylenes	130		0.33	2.00	ug/L
95-47-6	o-Xylene	59.9		0.18	1.00	ug/L
100-42-5	Styrene	48.8		0.13	1.00	ug/L
75-25-2	Bromoform	47.3		0.16	1.00	ug/L
98-82-8	Isopropylbenzene	47.5		0.19	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	46.8		0.23	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	46.9		0.20	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	46.4		0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	45.8		0.17	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	46.1		0.42	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	46.3		0.23	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	43.9		0.33	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.7		74 - 125	97%	SPK: 50
1868-53-7	Dibromofluoromethane	52.9		75 - 124	106%	SPK: 50
2037-26-5	Toluene-d8	50.4		86 - 113	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.7		83 - 123	99%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	301000	8.016			
540-36-3	1,4-Difluorobenzene	552000	8.904			
3114-55-4	Chlorobenzene-d5	474000	11.686			
3855-82-1	1,4-Dichlorobenzene-d4	210000	13.616			

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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/08/22
Project:	Andrews St. Site	Date Received:	09/12/22
Client Sample ID:	1035-MW-02(23.8)MSD	SDG No.:	N4647
Lab Sample ID:	N4647-04MSD	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN074599.D	1		09/19/22 20:32	VN091922

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	51.4		0.19	1.00	ug/L
591-78-6	2-Hexanone	310		0.76	5.00	ug/L
124-48-1	Dibromochloromethane	51.4		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	51.9		0.14	1.00	ug/L
127-18-4	Tetrachloroethene	190	E	0.18	1.00	ug/L
108-90-7	Chlorobenzene	47.2		0.17	1.00	ug/L
100-41-4	Ethyl Benzene	51.1		0.17	1.00	ug/L
179601-23-1	m/p-Xylenes	120		0.33	2.00	ug/L
95-47-6	o-Xylene	55.0		0.18	1.00	ug/L
100-42-5	Styrene	48.6		0.13	1.00	ug/L
75-25-2	Bromoform	50.3		0.16	1.00	ug/L
98-82-8	Isopropylbenzene	49.0		0.19	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	50.1		0.23	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	47.0		0.20	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	47.5		0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	47.8		0.17	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	50.0		0.42	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	47.7		0.23	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	47.4		0.33	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.0		74 - 125	110%	SPK: 50
1868-53-7	Dibromofluoromethane	53.9		75 - 124	108%	SPK: 50
2037-26-5	Toluene-d8	52.0		86 - 113	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.6		83 - 123	105%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	247000	8.016			
540-36-3	1,4-Difluorobenzene	478000	8.904			
3114-55-4	Chlorobenzene-d5	445000	11.686			
3855-82-1	1,4-Dichlorobenzene-d4	194000	13.616			

Attachment B

Site-Wide Inspection Form

Site-Wide Inspection Form
300, 304-308 and 320 Andrews Street and 25 Evans Street
Rochester, New York
NYSDEC ERP Project #E828144

Date of Inspection Site Visit: August 25, 2022

Personnel Performing Inspection Site Visit: J. Danzinger

Affiliation of Personnel: Day Environmental, Inc.

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1. Check integrity of impermeable portions (e.g., concrete) of cover system, including whether any sloughing, cracks, settlement, damage, etc.

Discuss observations and any corrective actions: Concrete slabs in good condition.

2. Check integrity of earthen portions (e.g., crusher run #2 stone) cover system, including whether any erosion, settlement, damage, etc.

Discuss observations and any corrective actions Crusher Run #2 stone cover material in good condition.
No erosion, settlement or damage observed.

3. Check integrity of monitoring wells, including whether any damage, etc.

Discuss observations and any corrective actions Monitoring wells observed in good condition.

4. Provide any other notes or observations of interest

None

Attachment C

Institutional and Engineering Controls Certification Form

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. **E828144**

Site Name Andrews Street Site

Site Address: 300, 304-308, 320 Andrews St., 25 Evans St. Zip Code: 14604
City/Town: Rochester
County: Monroe
Site Acreage: 1.524

Reporting Period: December 01, 2021 to December 01, 2022

	YES	NO
1. Is the information above correct?	●	☐
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?	☐	●
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	☐	●
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	☐	●
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?	☐	●

Box 2

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

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.

Signature of Owner, Remedial Party or Designated Representative Date

SITE NO. E828144 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
106.72-01-84	City of Rochester	Landuse Restriction Soil Management Plan Monitoring Plan Site Management Plan Ground Water Use Restriction IC/EC Plan

Imposition of an institutional control in the form of an environmental easement for the controlled property that:
- requires 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);
- allows the use and development of the controlled property for restricted residential as defined by Part 375-1.8(g), although land use is subject to local zoning laws;
- restricts the use of groundwater as a source of potable or process water, without necessary water quality treatment as determined by the NYSDOH; and
- requires compliance with the Department approved Site Management Plan.

106.72-01-85	City of Rochester	Ground Water Use Restriction Soil Management Plan Monitoring Plan Site Management Plan Landuse Restriction IC/EC Plan

Imposition of an institutional control in the form of an environmental easement for the controlled property that:
- requires 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);
- allows the use and development of the controlled property for restricted residential as defined by Part 375-1.8(g), although land use is subject to local zoning laws;
- restricts the use of groundwater as a source of potable or process water, without necessary water quality treatment as determined by the NYSDOH; and
- requires compliance with the Department approved Site Management Plan.

106.72-01-86	City of Rochester	Ground Water Use Restriction Soil Management Plan Landuse Restriction Site Management Plan Monitoring Plan IC/EC Plan

Imposition of an institutional control in the form of an environmental easement for the controlled property that:
- requires 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);
- allows the use and development of the controlled property for restricted residential as defined by Part 375-1.8(g), although land use is subject to local zoning laws;
- restricts the use of groundwater as a source of potable or process water, without necessary water quality treatment as determined by the NYSDOH; and
- requires compliance with the Department approved Site Management Plan.

106.72-01-87	City of Rochester	Ground Water Use Restriction Soil Management Plan Landuse Restriction Monitoring Plan Site Management Plan IC/EC Plan

Imposition of an institutional control in the form of an environmental easement for the controlled property that:

- requires 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);
- allows the use and development of the controlled property for restricted residential as defined by Part 375-1.8(g), although land use is subject to local zoning laws;
- restricts the use of groundwater as a source of potable or process water, without necessary water quality treatment as determined by the NYSDOH; and
- requires compliance with the Department approved Site Management Plan.

Box 4

Description of Engineering Controls

Parcel	Engineering Control
106.72-01-84	Cover System

A site cover currently exists and will be maintained to allow for restricted residential use of the site. Any site redevelopment will maintain the existing site cover, which consists either of the structures such as buildings, pavement, sidewalks or soil where the upper one foot of exposed surface soil meets the applicable soil cleanup objectives (SCOs) for restricted residential use. Any fill material brought to the site will meet the requirements for the identified site use as set forth in 6NYCRR part 375-6.7(d).

106.72-01-85

Cover System

A site cover currently exists and will be maintained to allow for restricted residential use of the site. Any site redevelopment will maintain the existing site cover, which consists either of the structures such as buildings, pavement, sidewalks or soil where the upper one foot of exposed surface soil meets the applicable soil cleanup objectives (SCOs) for restricted residential use. Any fill material brought to the site will meet the requirements for the identified site use as set forth in 6NYCRR part 375-6.7(d).

106.72-01-86

Cover System

A site cover currently exists and will be maintained to allow for restricted residential use of the site. Any site redevelopment will maintain the existing site cover, which consists either of the structures such as buildings, pavement, sidewalks or soil where the upper one foot of exposed surface soil meets the applicable soil cleanup objectives (SCOs) for restricted residential use. Any fill material brought to the site will meet the requirements for the identified site use as set forth in 6NYCRR part 375-6.7(d).

106.72-01-87

Cover System

A site cover currently exists and will be maintained to allow for restricted residential use of the site. Any site redevelopment will maintain the existing site cover, which consists either of the structures such as buildings, pavement, sidewalks or soil where the upper one foot of exposed surface soil meets the applicable soil cleanup objectives (SCOs) for restricted residential use. Any fill material brought to the site will meet the requirements for the identified site use as set forth in 6NYCRR part 375-6.7(d).

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
●	☐

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
●	☐

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. E828144

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 Anne E. Spaulding at 30 Church Street, Rochester, New York 14614,
print name print business address

am certifying as Owner Representative (Owner or Remedial Party)

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

Anne Spaulding 12/14/2022
Signature of Owner, Remedial Party, or Designated Representative Rendering Certification 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 Nathan E. Simon at 1563 Lyell Avenue, Rochester, New York 14606,
print name print business address

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

12/08/2022

Signature of Professional Engineer, for the Owner or Remedial Party, Rendering Certification | Stamp (Required for PE) | Date