

**PERIODIC REVIEW REPORT #7
FOR PERIOD OF
DECEMBER 1, 2023 THROUGH DECEMBER 1, 2024**

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

Prepared By: Day Environmental, Inc.
1563 Lyell Avenue
Rochester, New York

Date: December 13, 2024

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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 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. No change to the revised SMP dated July 14, 2023 is recommended at this time.
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-impacted soil were removed from Area 3. The steel USTs were recycled, and the K-Crete and petroleum-impacted 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 (refer to Figure 3). 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.

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 table, and significantly reducing targeted contamination levels in soil below the groundwater table.
- The results of previous groundwater monitoring (conducted between November 2014 and September 2023), and monitoring conducted during the reporting period (August 2024), 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 August 2024 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 I 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 5, 2024 potentiometric groundwater contours and PCE concentrations detected in groundwater samples collected during the August 2024 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 98% as of the date of the August 2024 sampling event (1,442 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 5, 2024. 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 action objectives 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 associated with 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 revised SMP dated July 14, 2023, the current groundwater monitoring frequency is annual. The annual groundwater monitoring 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. This plan also covers monitoring well repairs, replacement, and decommissioning.
- 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 2024.
 - On August 5, 2024, 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 within monitoring wells MW-01, MW-02, MW-03A, MW-11, and MW-17A.
 - On August 20, 2024, 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 August 5, 2024 potentiometric groundwater contours and PCE concentrations detected in groundwater samples collected during the August 2024 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 5, 2024. 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: No changes to the Groundwater Monitoring Plan are recommended.
- 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

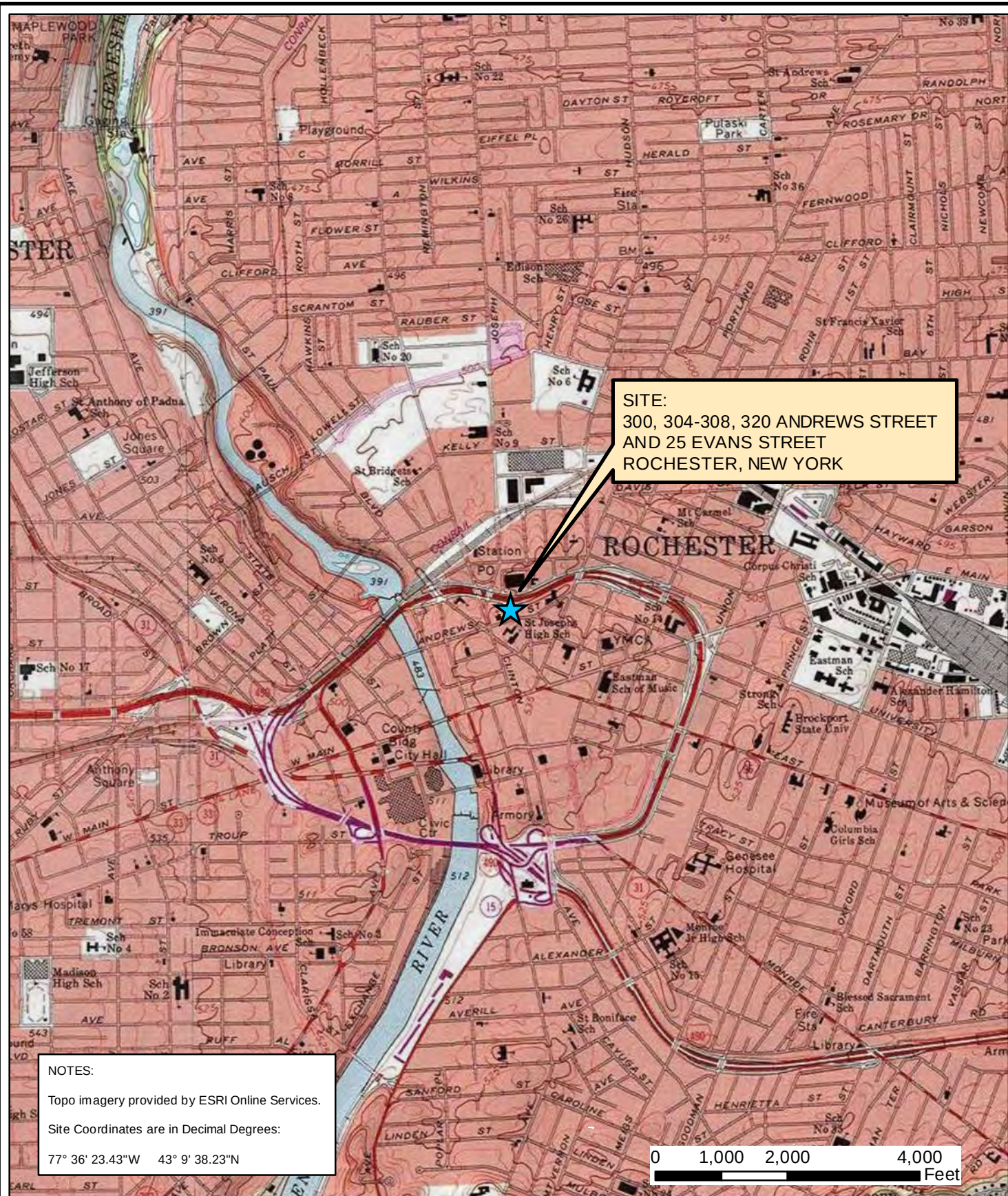
VII. Overall PRR Conclusions and Recommendations

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 the SMP continue to be implemented at this Site.

FIGURES



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)
Project No.	5334S-17
Figure	FIGURE 1
Drawing Title	Project Locus Map

Document Path: E:\GIS Mapping\Rocky Andrews, Street\GIS Data\Andrews_Street\Supplemental_Deep_Soil_Removal\CCR\534S-02-SDSR-CCR-SitePlan.mxd



Legend

Andrews Street ERP Site



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

day

DAY ENGINEERING, P.C.

Environmental Engineering Consultants

Rochester, New York 14606

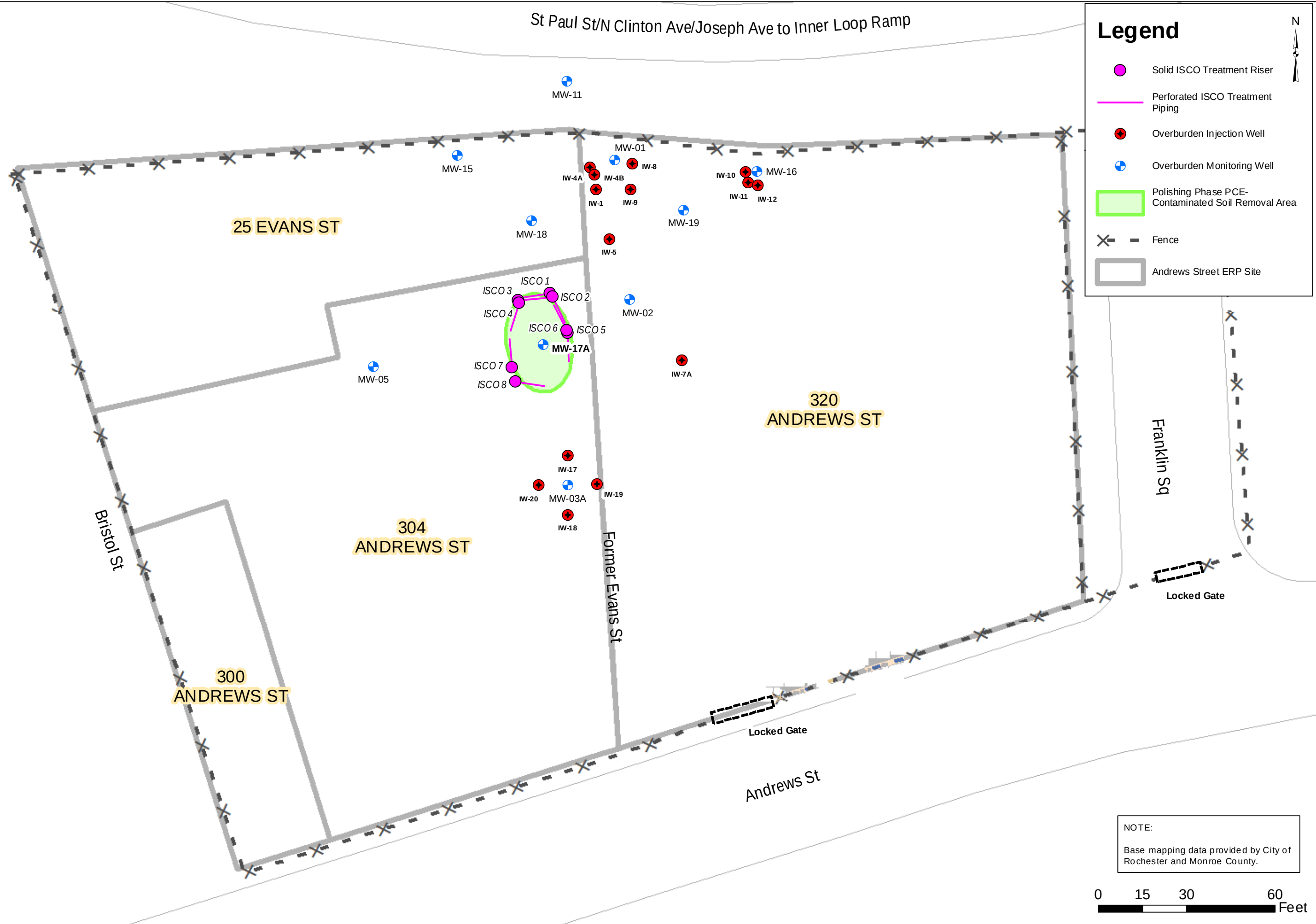
New York, New York 10170

Project Title	300, 304-308, 320 ANDREWS STREET AND 25 EVANS STREET ROCHESTER, NEW YORK
Drawing Title	Site Plan
Project No.	5334S-17
Drawing Title	ENVIRONMENTAL RESTORATION PROJECT NYSDEC SITE NO.: E828144

FIGURE 2

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

Last date document was saved: 08 Dec 2021



Legend

- 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.



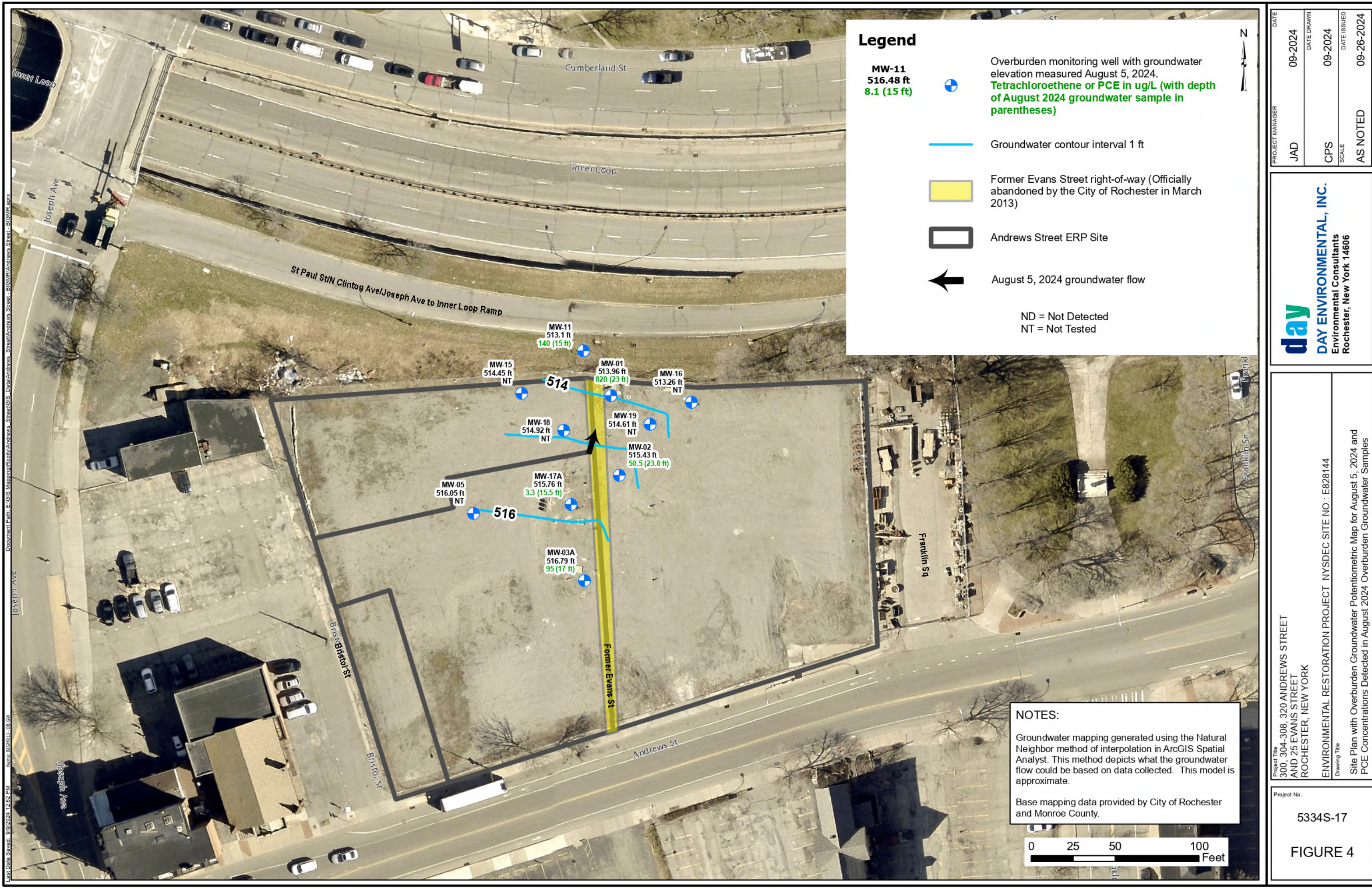
PROJECT MANAGER	JAD	DATE	12-2021
DRAWN BY	CPS	DATE DRAWN	12-2021
SCALE	AS NOTED	DATE ISSUED	12-09-2021

DAY ENGINEERING, P.C.
Environmental Engineering Consultants
Rochester, New York 14606
New York, New York 10170

Project Title	300, 304-308, 320 ANDREWS STREET AND 25 EVANS STREET ROCHESTER, NEW YORK
Drawing Title	Site Plan with Remaining Monitoring Wells, Injection Wells and ISCO Treatment Piping

Project No. 5334S-17

FIGURE 3



Document Path: E:\GIS Mapping\Rocky\Andrews Street\GIS Data\Andrews Street - BIGMR.sprx
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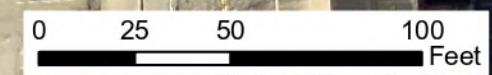
Legend

- MW-11
516.48 ft
8.1 (15 ft)
- Overburden monitoring well with groundwater elevation measured August 5, 2024.
Tetrachloroethene or PCE in ug/L (with depth of August 2024 groundwater sample in parentheses)
- Groundwater contour interval 1 ft
- Former Evans Street right-of-way (Officially abandoned by the City of Rochester in March 2013)
- Andrews Street ERP Site
- August 5, 2024 groundwater flow
- ND = Not Detected
NT = Not Tested

NOTES:

Groundwater mapping generated using the Natural Neighbor method of interpolation in ArcGIS Spatial Analyst. This method depicts what the groundwater flow could be based on data collected. This model is approximate.

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



DATE	09-2024
PROJECT MANAGER	JAD
DATE DRAWN	09-2024
SCALE	AS NOTED
DATE ISSUED	09-26-2024

DAY ENVIRONMENTAL, INC.
Environmental Consultants
Rochester, New York 14606

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 5, 2024 and PCE Concentrations Detected in August 2024 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 #7 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
1048	MW-01	8/20/2024	8:09	Grab	23	Ground-water	No	Post-Excavation Performance Groundwater Monitoring Event	TCL VOCs and TICs
1049	MW-02	8/20/2024	8:14	Grab	23.8	Ground-water	Yes	Post-Excavation Performance Groundwater Monitoring Event	TCL VOCs and TICs
1050	MW-03A	8/20/2024	8:20	Grab	17	Ground-water	No	Post-Excavation Performance Groundwater Monitoring Event	TCL VOCs and TICs
1051	MW-11	8/20/2024	8:05	Grab	15	Ground-water	No	Post-Excavation Performance Groundwater Monitoring Event	TCL VOCs and TICs
1052	MW-17A	8/20/2024	8:24	Grab	15.5	Ground-water	No	Post-Excavation Performance Groundwater Monitoring Event	TCL VOCs and TICs
1053	FB082024	8/20/2024	8:27	Grab	NA	Water	No	QA/QC - Field Blank	TCL VOCs and TICs
1054	TB082024	8/20/2024	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 #7 Reporting Period)**

Monitoring Well ID	Ground Elevation (ft)	TOC Elevation (ft)	8/5/2024	
			SWL (ft TOC)	Groundwater Elevation
MW-01	527.79	527.44	13.48	513.96
MW-02	528.03	529.37	13.94	515.43
MW-03A	528.41	528.43	11.64	516.79
MW-05	527.83	530.75	14.70	516.05
MW-11	520.70	520.48	7.38	513.10
MW-15	527.62	530.29	15.84	514.45
MW-16	528.31	530.81	17.55	513.26
MW-17A	527.75	529.71	13.95	515.76
MW-18	527.24	529.81	14.89	514.92
MW-19	527.82	530.31	15.70	514.61

Notes

Monitoring Wells listed are overburden groundwater monitoring wells.

Ft TOC = Feet below top of casing

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 #6 Reporting Period**

Contaminant	X Groundwater Standard or Guidance Value	1048 MW-01 8/20/24 PDB 23 ft	1049 MW-02 8/20/24 PDB 23.8 ft	1050 MW-03A 8/20/24 PDB 17.0 ft	1051 MW-11 8/20/24 PDB 15.0 ft	1052 MW-17A 8/20/24 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	6.3 JH	U	U	U	U
Methyl Acetate	NA	2.4 JH	1.8	3.3	U	2.5
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	140 D X	34.7 X	39.9 X	26.6 X	95.2 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	U	5.5 X	U	2.6
Tetrachloroethene	5	820 D X	50.5 X	95 X	140 D X	3.3
Toluene	5	U	U	U	U	U
Ethylbenzene	5	U	U	U	U	U
Xylenes (Total)	5	U	U	U	U	U
Trichloroethene	5	110 D X	31 X	90 X	24.8 X	12.5 X
Trichlorofluoromethane	5	U	U	U	U	U
Vinyl Chloride	2	20.9 JH X	4.6 X	U	U	5 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		1099.6	122.6	233.4	191.4	121.1
Total TICs ⁽¹⁾		U	U	8.5	19.5	17.6
Total VOCs and TICs ⁽¹⁾		1099.6	122.6	241.9	210.9	138.7

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.

1048	Sample ID
MW-01	Sample Location
8/20/2024	Sample Date
PDB 23 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 #6 Reporting Period**

Contaminant	1053 FB082024 8/20/24	1054 TB082024 8/20/24
Acetone	12.6	U
Xylenes	2.7	13.2
Ethylbenzene	U	2.5 J
Total VOCs	15.3	15.7
Total TICs ⁽¹⁾	25.3	U
Total VOCs and TICs ⁽¹⁾	40.6	15.7

Notes

QA/QC = Quality Assurance/Quality Control

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

U = Not Detected

VOC = Volatile Organic Compound

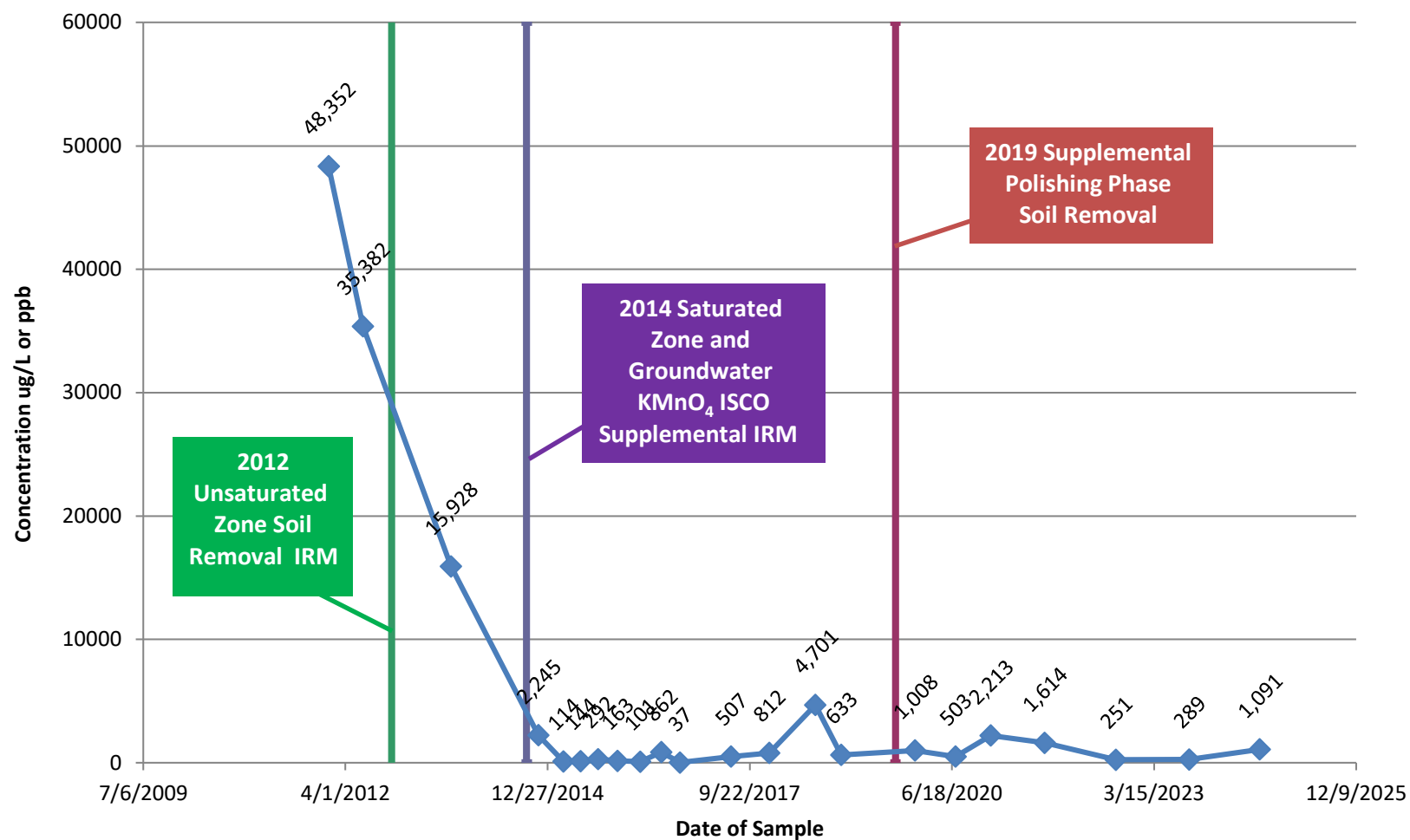
TIC = Tentatively Identified Compound

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

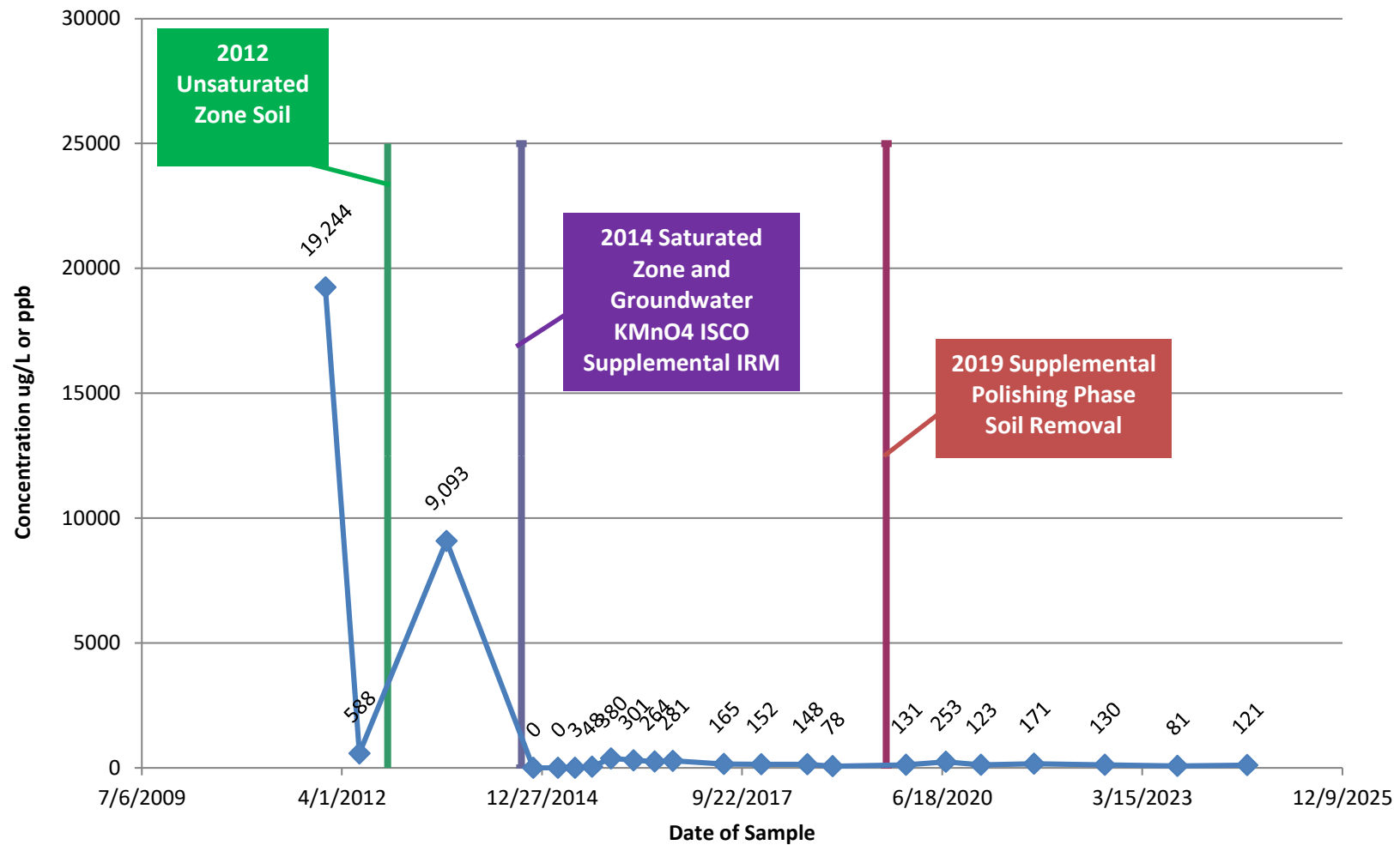
Results of DUSR incorporated on analytical laboratory data

1046	Sample ID
FB090623	Sample Location
9/6/23	Sample Date

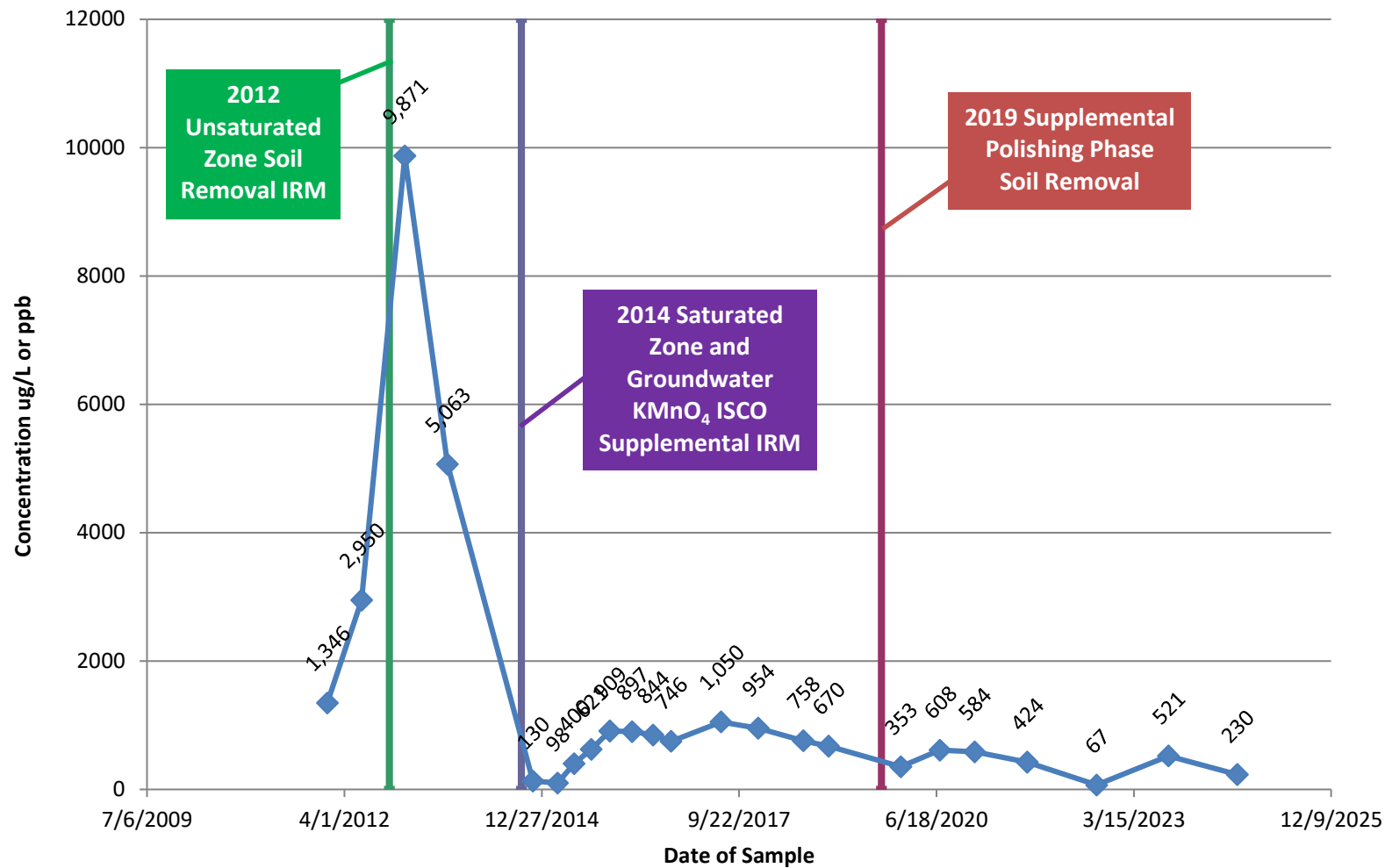
Graph A - Total PCE, TCE, DCE and VC In Groundwater at MW-01



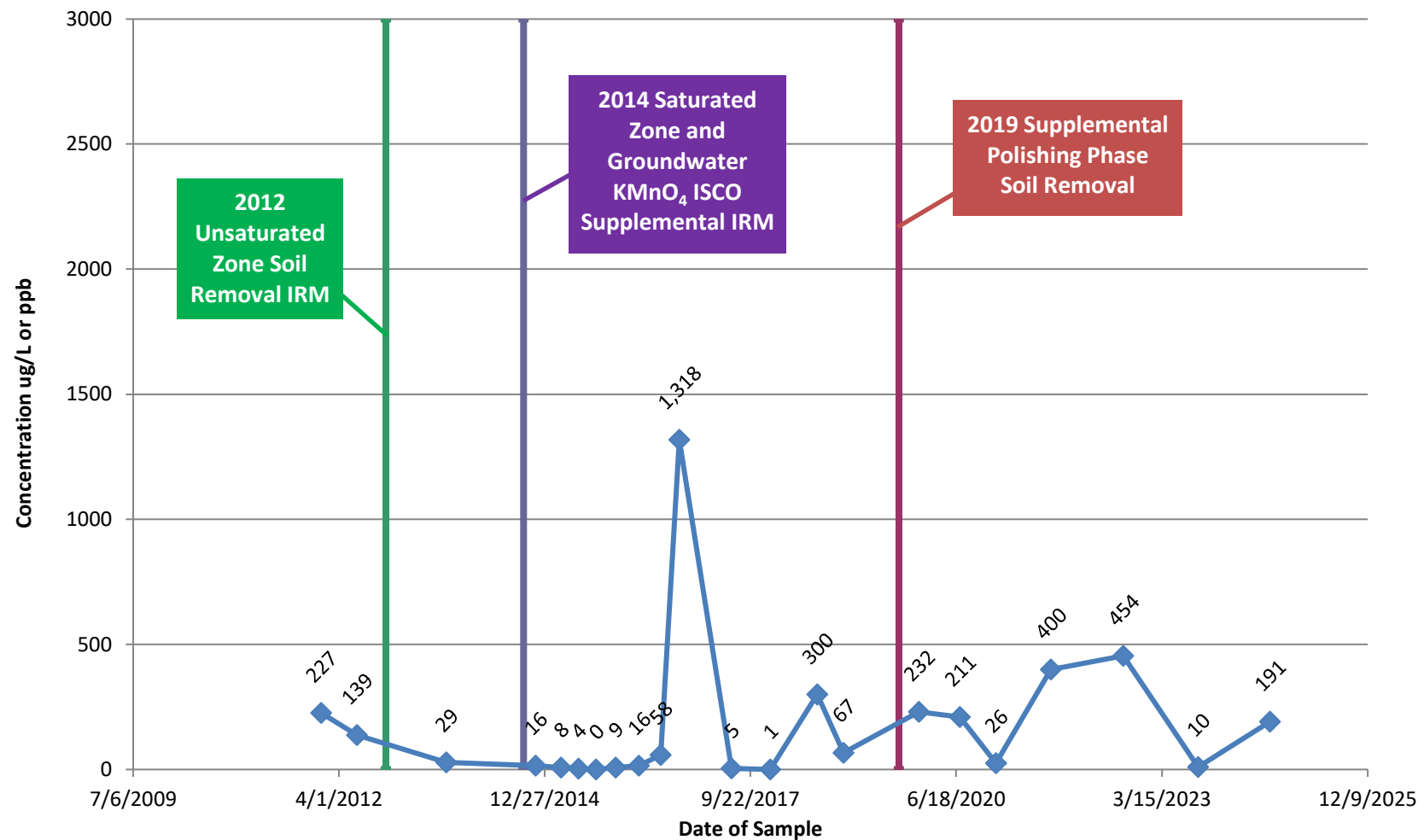
Graph B - Total PCE, TCE, DCE and VC In Groundwater at MW-02



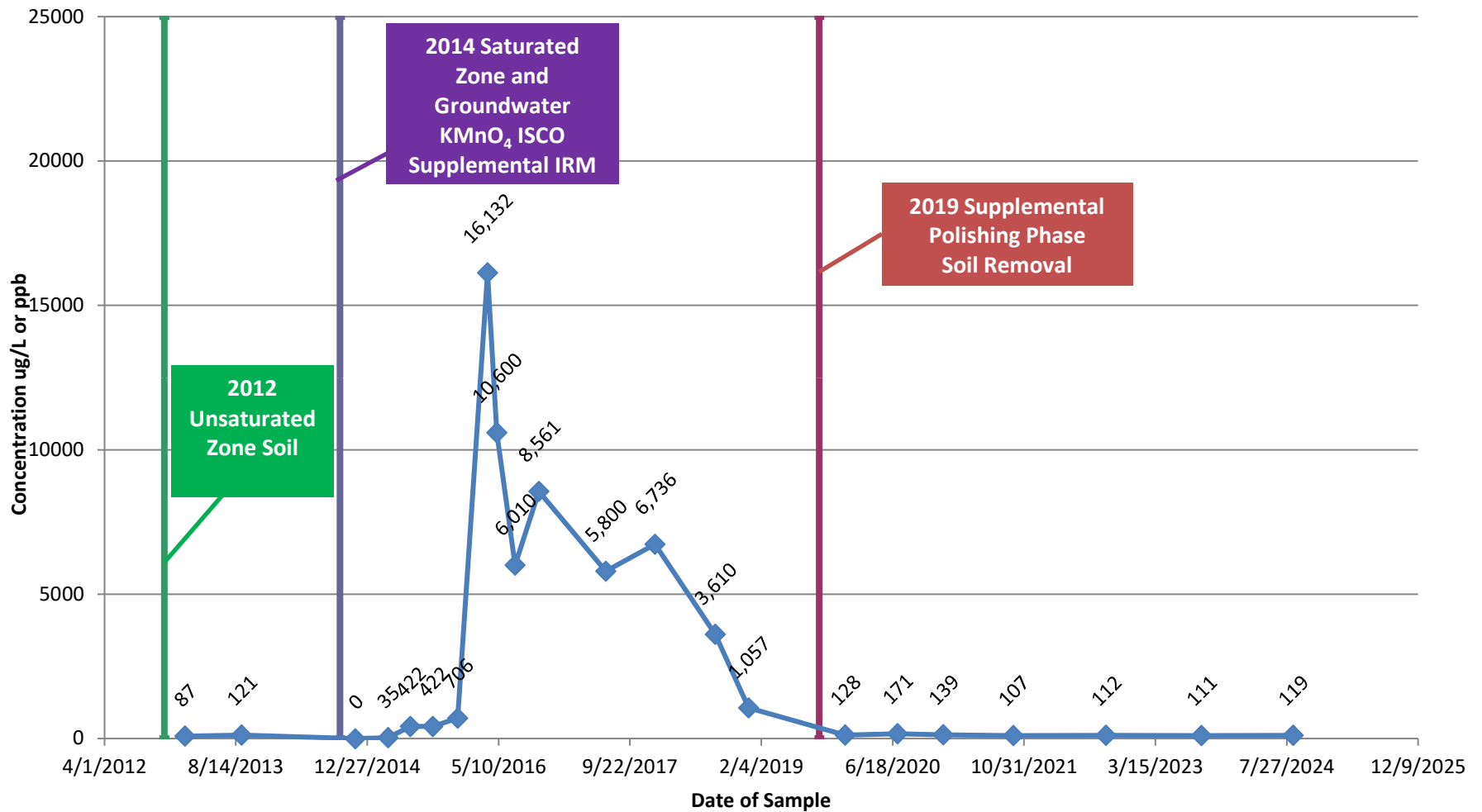
Graph C - Total PCE, TCE, DCE and VC In Groundwater at MW-03/MW-03A



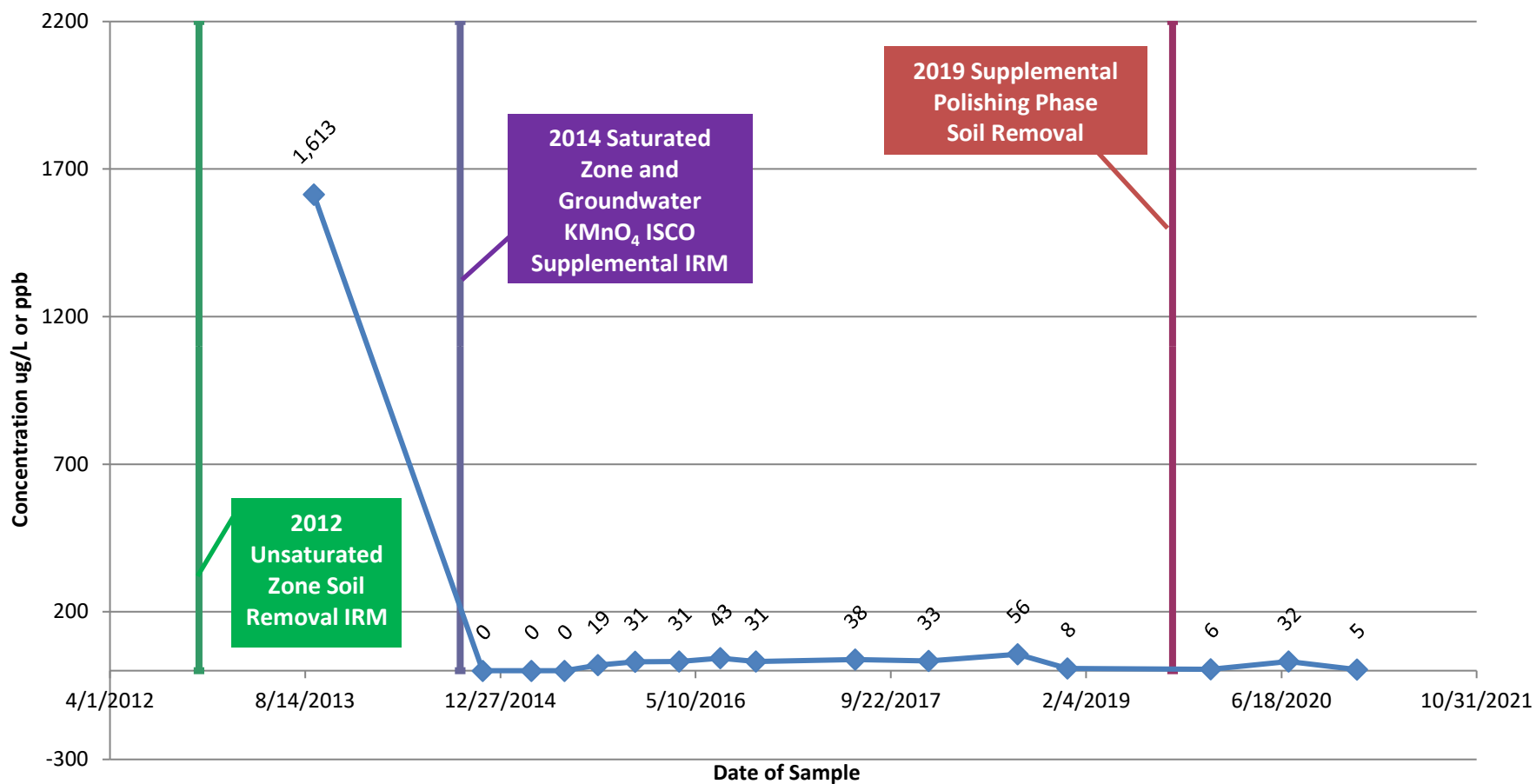
Graph D - Total PCE, TCE, DCE and VC In Groundwater at MW-11



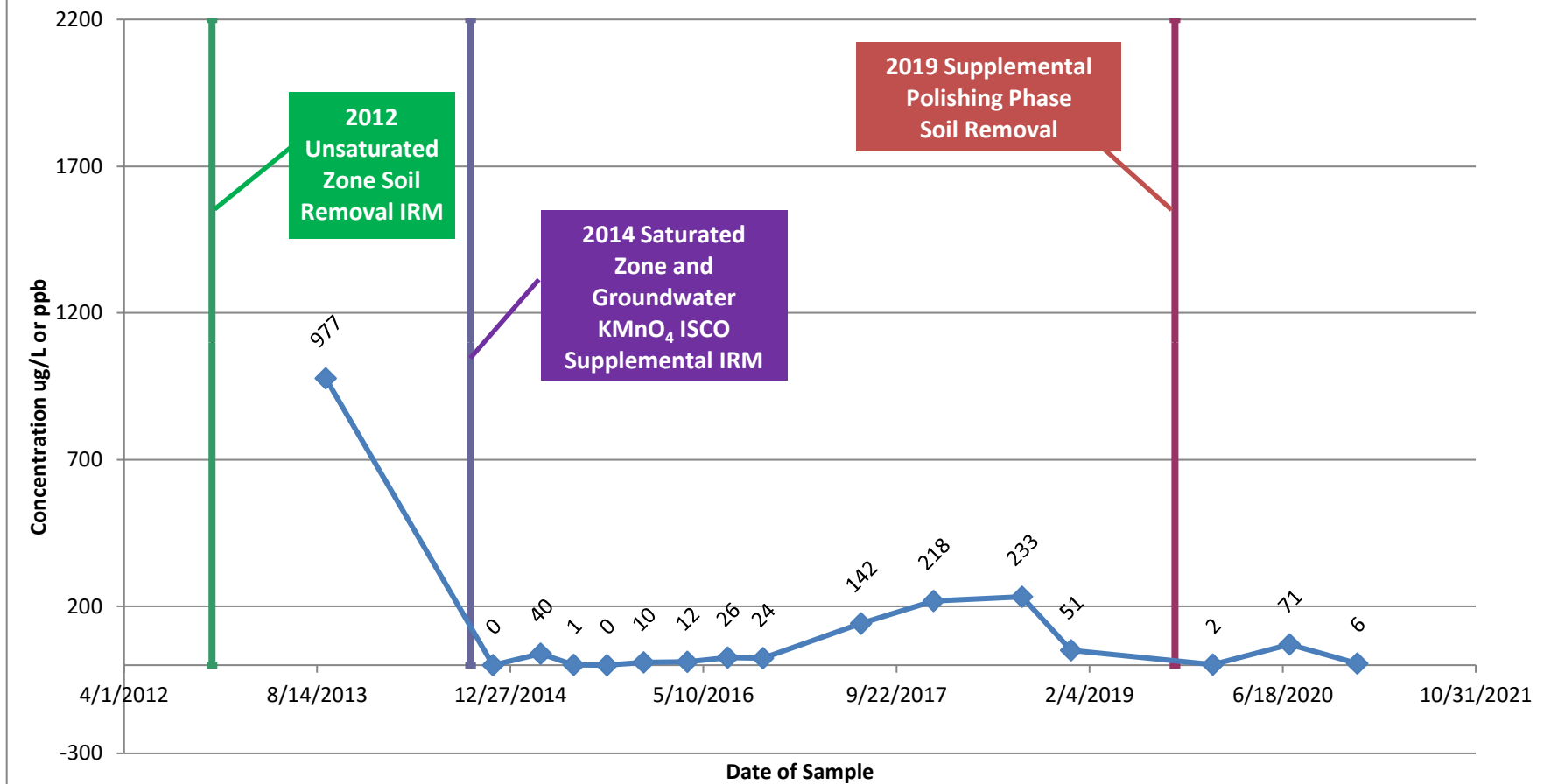
Graph E - Total PCE, TCE, DCE and VC In Groundwater at MW-17/MW-17A



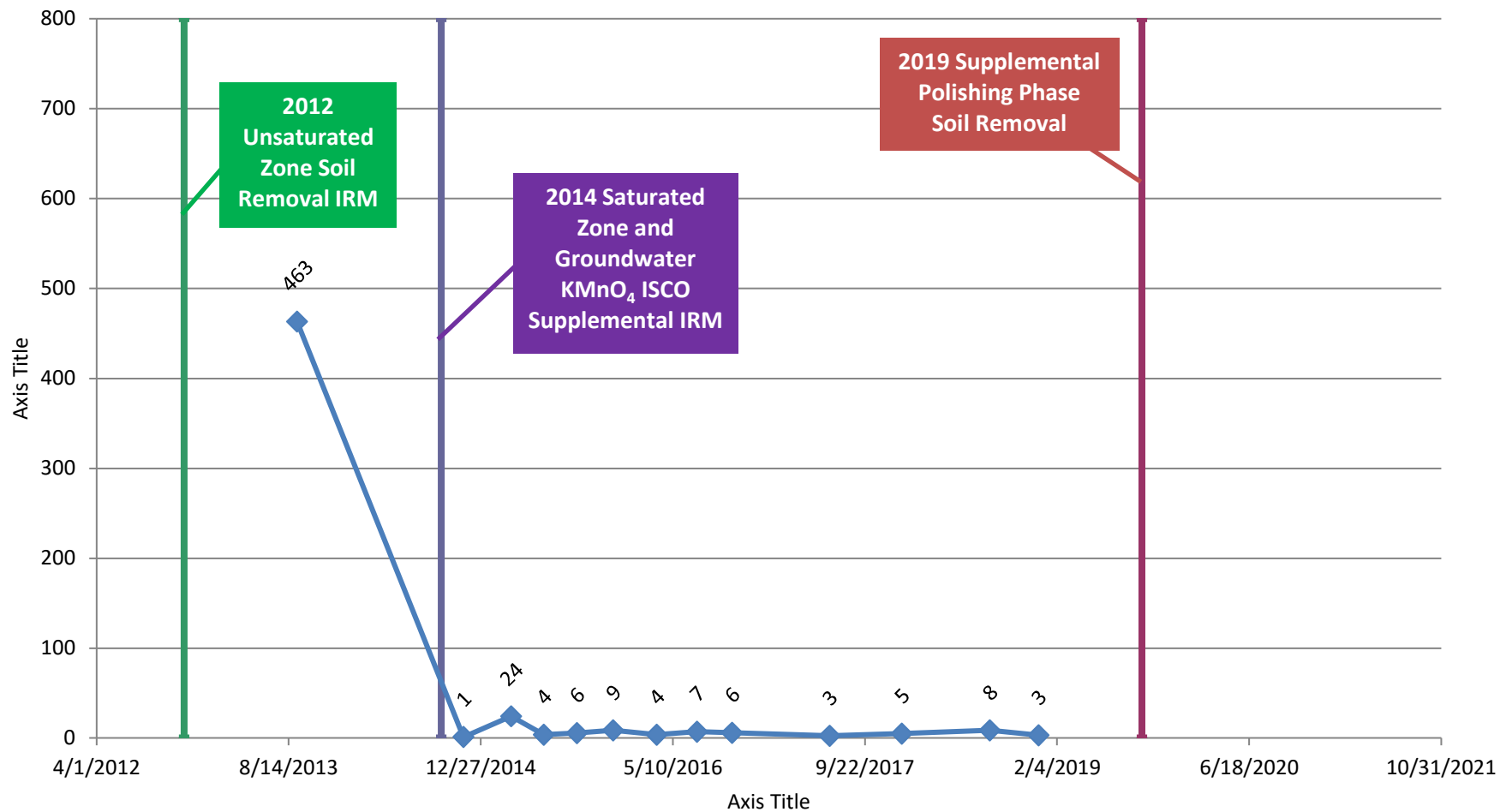
Graph F - Total PCE, TCE, DCE and VC In Groundwater at MW-18



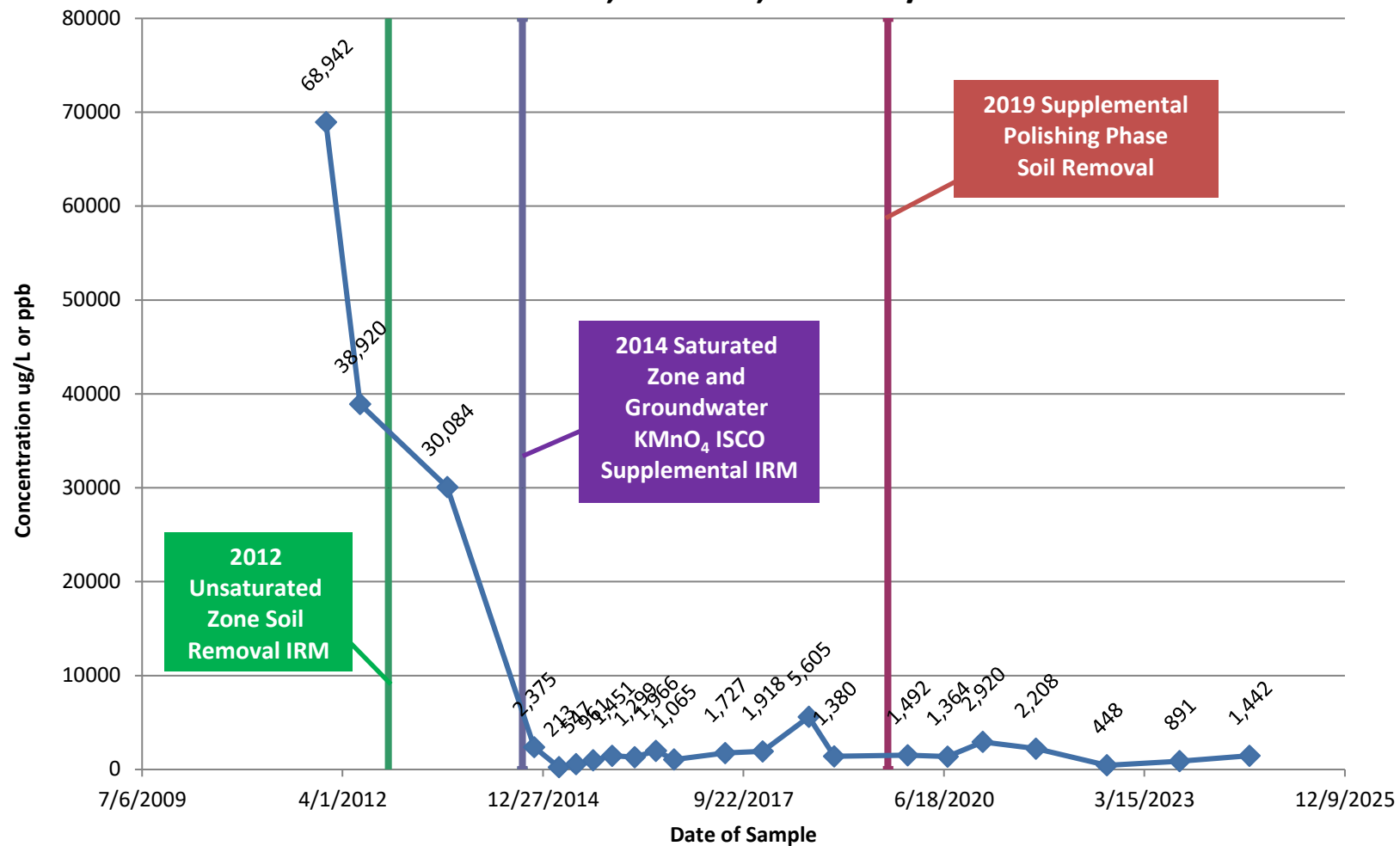
Graph G - Total PCE, TCE, DCE and VC In Groundwater at MW-19



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



DATA PACKAGE VOLATILE ORGANICS

PROJECT NAME : NYSDEC ANDREWS ST SITE #E828144

DAY ENVIRONMENTAL, INC.

Canalside Business Center, 1563 Lyell Avenue

Rochester, NY - 14606

Phone No: 585-454-0210

ORDER ID : P3716

ATTENTION : Jeff Danzinger



Laboratory Certification ID # 20012





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Cover Page

Order ID : P3716

Project ID : NYSDEC Andrews St Site #E828144

Client : Day Environmental, Inc.

Lab Sample Number

P3716-01
P3716-02
P3716-03
P3716-04
P3716-05
P3716-06
P3716-07
P3716-08
P3716-09

Client Sample Number

1048-MW-01(23)
1049-MW-02(23.8)
1049-MW-02(23.8) MS
1049-MW-02(23.8) MSD
1050-MW-03A(17)
1051-MW-11(15)
1052-MW-17A(15.5)
1053-FB082024
1054-TB082024

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

NYDOH CERTIFICATION NO - 11376

APPROVED

Date: 9/3/2024
By Nimisha Pandya QA/QC Supervisor at 3:00 pm, Sep 04, 2024

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

Day Environmental, Inc.

Project Name: NYSDEC Andrews St Site #E828144

Project # N/A

Chemtech Project # P3716

Test Name: VOC-TCLVOA-10

A. Number of Samples and Date of Receipt:

9 Water samples were received on 08/22/2024.

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 8260D.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria except for 1048-MW-01(23) [4-Bromofluorobenzene - 124%] Due to high concentration of compounds, this sample required dilution. Therefore, sample was reanalyzed with dilution and reported.

The Internal Standards Areas met the acceptable requirements.

The Retention Times were acceptable for all samples.

The MS {P3716-03MS} with File ID: VN083468.D recoveries met the requirements for all compounds except for 1,3-Dichlorobenzene[82%] due to matrix interference.

The MSD recoveries met the acceptable requirements .

The RPD met criteria .

The Blank Spike for {VN0823WBS02} with File ID: VN083451.D met requirements for all samples except for 1,1,1-Trichloroethane[112%], 1,1-Dichloroethane[113%], 1,2-Dichloroethane[117%], 1,2-Dichloropropane[112%], Benzene[110%] and Chloroform[114%] are failing high but no positive hit in associate sample therefore no corrective action taken.

The Blank Spike for {VN0826WBS02} with File ID: VN083476.D met requirements for all samples except for 1,1,2-Trichloroethane[115%], 1,2-Dichloroethane[116%] are failing high but no positive hit in associate sample therefore no corrective action taken.

The Blank Spike for {VN0827WBS02} with File ID: VN083502.D met requirements for all samples except for 1,1,1-Trichloroethane[120%], 1,1,2-Trichloroethane[119%], 1,1,2-Trichlorotrifluoroethane[117%], 1,1-Dichloroethane[121%], 1,2-Dibromoethane[112%], 1,2-Dichloroethane[121%], 1,2-Dichloropropane[120%], Benzene[113%], Bromodichloromethane[113%], Chlorobenzene[110%], Chloroform[121%], cis-1,2-Dichloroethene[113%], cis-1,3-Dichloropropene[113%], Dibromochloromethane[111%], Toluene[111%], trans-1,2-Dichloroethene[110%] and Trichlorofluoromethane[119%] are failing high but no positive hit in associate sample therefore no corrective action taken.

The Blank analysis did not indicate the presence of lab contamination.

The Initial Calibration met the requirements .

The Continuous Calibration File ID VN083447.D met the requirements except for 1,2-Dibromo-3-Chloropropane is failing marginally low therefore no corrective action taken.

The Continuous Calibration File ID VN083472.D met the requirements except for Acetone is failing marginally high therefore no corrective action taken while 1,2-Dichloroethane-d4 and Dibromofluoromethane which is not our target compound, therefore no corrective action taken.

The Continuous Calibration File ID VN083496.D met the requirements except for 1,1,2-Trichloroethane,1,2-Dichloroethane,1,2-Dichloropropane,Chloroform are failing high but no positive hit in associate sample therefore no corrective action taken while 1,2-Dichloroethane-d4 and 4-Bromofluorobenzene which is not our target compound, therefore no corrective action taken.

The Tuning criteria met requirements.

Samples 1048-MW-01(23), 1051-MW-11(15) were diluted due to high concentrations.

E. Additional Comments:

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.



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

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 3:00 pm, Sep 04, 2024

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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 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

GC/MS VOA CONFORMANCE/NON-CONFORMANCE SUMMARY

CHEMTECH PROJECT NUMBER: P3716

MATRIX: Water

METHOD: 8260D

		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 Initial Calibration met the requirements . The Continuous Calibration File ID VN083447.D met the requirements except for 1,2- Dibromo-3-Chloropropane is failing marginally low therefore no corrective action taken. The Continuous Calibration File ID VN083472.D met the requirements except for Acetone is failing marginally high therefore no corrective action taken while 1,2- Dichloroethane-d4 and Dibromofluoromethane which is not our target compound, therefore no corrective action taken. The Continuous Calibration File ID VN083496.D met the requirements except for 1,1,2-Trichloroethane,1,2-Dichloroethane,1,2-Dichloropropane,Chloroform are failing high but no positive hit in associate sample therefore no corrective action taken while 1,2-Dichloroethane-d4 and 4-Bromofluorobenzene which is not our target compound, 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. The Surrogate recoveries met the acceptable criteria except for 1048-MW-01(23) [4- Bromofluorobenzene - 124%] Due to high concentration of compounds, this sample required dilution. Therefore, sample was reanalyzed with dilution and reported.			✓

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 {P3716-03MS} with File ID: VN083468.D recoveries met the requirements for all compounds except for 1,3-Dichlorobenzene[82%] due to matrix interference. The Blank Spike for {VN0823WBS02} with File ID: VN083451.D met requirements for all samples except for 1,1,1-Trichloroethane[112%], 1,1-Dichloroethane[113%], 1,2-Dichloroethane[117%], 1,2-Dichloropropane[112%], Benzene[110%] and Chloroform[114%] are failing high but no positive hit in associate sample therefore no corrective action taken.			
The Blank Spike for {VN0826WBS02} with File ID: VN083476.D met requirements for all samples except for 1,1,2-Trichloroethane[115%], 1,2-Dichloroethane[116%] are failing high but no positive hit in associate sample therefore no corrective action taken.			
The Blank Spike for {VN0827WBS02} with File ID: VN083502.D met requirements for all samples except for 1,1,1-Trichloroethane[120%], 1,1,2-Trichloroethane[119%], 1,1,2-Trichlorotrifluoroethane[117%], 1,1-Dichloroethane[121%], 1,2-Dibromoethane[112%], 1,2-Dichloroethane[121%], 1,2-Dichloropropane[120%], Benzene[113%], Bromodichloromethane[113%], Chlorobenzene[110%], Chloroform[121%], cis-1,2-Dichloroethene[113%], cis-1,3-Dichloropropene[113%], Dibromochloromethane[111%], Toluene[111%], trans-1,2-Dichloroethene[110%] and Trichlorofluoromethane[119%] are failing high but no positive hit in associate sample therefore no corrective action taken.			
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 1048-MW-01(23), 1051-MW-11(15) were diluted due to high concentrations.

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.

S. M. Jodhani
QA REVIEW

REVIEWED*By Sohil Jodhani, QA/QC Director at 9:48 am, Sep 04, 2024*

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: P3716

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 Custody

✓

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: 09/03/2024

2nd Level QA Review Signature:

N. N. Pandya

APPROVED

By Nimisha Pandya QA/QC Supervisor at 3:01 pm, Sep 04, 2024

LAB CHRONICLE

OrderID:	P3716	OrderDate:	8/22/2024 12:39:00 PM
Client:	Day Environmental, Inc.	Project:	NYSDEC Andrews St Site #E828144
Contact:	Jeff Danzinger	Location:	VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P3716-01	1048-MW-01(23)	Water	VOC-TCLVOA-10	8260-Low	08/20/24		08/23/24	08/22/24
P3716-01DL	1048-MW-01(23)DL	Water	VOC-TCLVOA-10	8260-Low	08/20/24		08/26/24	08/22/24
P3716-02	1049-MW-02(23.8)	Water	VOC-TCLVOA-10	8260-Low	08/20/24		08/23/24	08/22/24
P3716-05	1050-MW-03A(17)	Water	VOC-TCLVOA-10	8260-Low	08/20/24		08/23/24	08/22/24
P3716-06	1051-MW-11(15)	Water	VOC-TCLVOA-10	8260-Low	08/20/24		08/23/24	08/22/24
P3716-06DL	1051-MW-11(15)DL	Water	VOC-TCLVOA-10	8260-Low	08/20/24		08/26/24	08/22/24
P3716-07	1052-MW-17A(15.5)	Water	VOC-TCLVOA-10	8260-Low	08/20/24		08/23/24	08/22/24
P3716-08	1053-FB082024	Water	VOC-TCLVOA-10	8260-Low	08/20/24		08/26/24	08/22/24
P3716-09	1054-TB082024	Water	VOC-TCLVOA-10	8260-Low	08/20/24		08/27/24	08/22/24

Hit Summary Sheet SW-846

SDG No.: P3716
Client: Day Environmental, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID: 1048-MW-01(23)								
P3716-01	1048-MW-01(23)	Water	Vinyl Chloride	20.9		0.34	1.00	ug/L
P3716-01	1048-MW-01(23)	Water	Acetone	6.30		1.40	5.00	ug/L
P3716-01	1048-MW-01(23)	Water	Methyl Acetate	2.40		0.60	1.00	ug/L
P3716-01	1048-MW-01(23)	Water	cis-1,2-Dichloroethene	150	E	0.25	1.00	ug/L
P3716-01	1048-MW-01(23)	Water	Trichloroethene	130	E	0.32	1.00	ug/L
P3716-01	1048-MW-01(23)	Water	Tetrachloroethene	910	E	0.25	1.00	ug/L
P3716-01	1048-MW-01(23)	Water	Ethyl Benzene	0.35	J	0.16	1.00	ug/L
P3716-01	1048-MW-01(23)	Water	m/p-Xylenes	1.40	J	0.31	2.00	ug/L
P3716-01	1048-MW-01(23)	Water	o-Xylene	0.41	J	0.14	1.00	ug/L
Total Voc :				1220				
Total Concentration:				1220				
Client ID: 1048-MW-01(23)DL								
P3716-01DL	1048-MW-01(23)DL	Water	cis-1,2-Dichloroethene	140	D	5.00	20.0	ug/L
P3716-01DL	1048-MW-01(23)DL	Water	Trichloroethene	110	D	6.40	20.0	ug/L
P3716-01DL	1048-MW-01(23)DL	Water	Tetrachloroethene	820	D	5.00	20.0	ug/L
Total Voc :				1070				
Total Concentration:				1070				
Client ID: 1049-MW-02(23.8)								
P3716-02	1049-MW-02(23.8)	Water	Vinyl Chloride	4.60		0.34	1.00	ug/L
P3716-02	1049-MW-02(23.8)	Water	Methyl Acetate	1.80		0.60	1.00	ug/L
P3716-02	1049-MW-02(23.8)	Water	cis-1,2-Dichloroethene	34.7		0.25	1.00	ug/L
P3716-02	1049-MW-02(23.8)	Water	Trichloroethene	31.0		0.32	1.00	ug/L
P3716-02	1049-MW-02(23.8)	Water	Tetrachloroethene	50.5		0.25	1.00	ug/L
P3716-02	1049-MW-02(23.8)	Water	Ethyl Benzene	0.28	J	0.16	1.00	ug/L
P3716-02	1049-MW-02(23.8)	Water	m/p-Xylenes	1.50	J	0.31	2.00	ug/L
P3716-02	1049-MW-02(23.8)	Water	o-Xylene	0.35	J	0.14	1.00	ug/L
Total Voc :				125				
Total Concentration:				125				
Client ID: 1050-MW-03A(17)								
P3716-05	1050-MW-03A(17)	Water	Methyl Acetate	3.30		0.60	1.00	ug/L
P3716-05	1050-MW-03A(17)	Water	trans-1,2-Dichloroethene	5.50		0.25	1.00	ug/L
P3716-05	1050-MW-03A(17)	Water	cis-1,2-Dichloroethene	39.9		0.25	1.00	ug/L
P3716-05	1050-MW-03A(17)	Water	Trichloroethene	90.0		0.32	1.00	ug/L
P3716-05	1050-MW-03A(17)	Water	Tetrachloroethene	94.7		0.25	1.00	ug/L
P3716-05	1050-MW-03A(17)	Water	Ethyl Benzene	0.32	J	0.16	1.00	ug/L
P3716-05	1050-MW-03A(17)	Water	m/p-Xylenes	1.60	J	0.31	2.00	ug/L
P3716-05	1050-MW-03A(17)	Water	o-Xylene	0.46	J	0.14	1.00	ug/L

Hit Summary Sheet
SW-846

SDG No.: P3716

Client: Day Environmental, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Total Voc :				236				
P3716-05	1050-MW-03A(17)	Water	Acetic acid	* 8.50	J	0	0	ug/L
Total Tics :				8.50				
Total Concentration:				244				
Client ID:	1051-MW-11(15)							
P3716-06	1051-MW-11(15)	Water	cis-1,2-Dichloroethene	26.6		0.25	1.00	ug/L
P3716-06	1051-MW-11(15)	Water	Trichloroethene	24.8		0.32	1.00	ug/L
P3716-06	1051-MW-11(15)	Water	Tetrachloroethene	150	E	0.25	1.00	ug/L
P3716-06	1051-MW-11(15)	Water	Ethyl Benzene	0.29	J	0.16	1.00	ug/L
P3716-06	1051-MW-11(15)	Water	m/p-Xylenes	1.20	J	0.31	2.00	ug/L
P3716-06	1051-MW-11(15)	Water	o-Xylene	0.33	J	0.14	1.00	ug/L
Total Voc :				203				
P3716-06	1051-MW-11(15)	Water	Methylal	* 19.5	J	0	0	ug/L
Total Tics :				19.5				
Total Concentration:				223				
Client ID:	1051-MW-11(15)DL							
P3716-06DL	1051-MW-11(15)DI	Water	cis-1,2-Dichloroethene	26.8	D	1.00	4.00	ug/L
P3716-06DL	1051-MW-11(15)DI	Water	Trichloroethene	26.4	D	1.30	4.00	ug/L
P3716-06DL	1051-MW-11(15)DI	Water	Tetrachloroethene	140	D	1.00	4.00	ug/L
Total Voc :				193				
Total Concentration:				193				
Client ID:	1052-MW-17A(15.5)							
P3716-07	1052-MW-17A(15.5)	Water	Vinyl Chloride	5.00		0.34	1.00	ug/L
P3716-07	1052-MW-17A(15.5)	Water	Methyl Acetate	2.50		0.60	1.00	ug/L
P3716-07	1052-MW-17A(15.5)	Water	trans-1,2-Dichloroethene	2.60		0.25	1.00	ug/L
P3716-07	1052-MW-17A(15.5)	Water	cis-1,2-Dichloroethene	95.2		0.25	1.00	ug/L
P3716-07	1052-MW-17A(15.5)	Water	Trichloroethene	12.5		0.32	1.00	ug/L
P3716-07	1052-MW-17A(15.5)	Water	Tetrachloroethene	3.30		0.25	1.00	ug/L
P3716-07	1052-MW-17A(15.5)	Water	Ethyl Benzene	0.30	J	0.16	1.00	ug/L
P3716-07	1052-MW-17A(15.5)	Water	m/p-Xylenes	1.30	J	0.31	2.00	ug/L
P3716-07	1052-MW-17A(15.5)	Water	o-Xylene	0.38	J	0.14	1.00	ug/L
Total Voc :				123				
P3716-07	1052-MW-17A(15.5)	Water	Methylal	* 17.6	J	0	0	ug/L
Total Tics :				17.6				
Total Concentration:				141				
Client ID:	1053-FB082024							
P3716-08	1053-FB082024	Water	Acetone	12.6		1.40	5.00	ug/L
P3716-08	1053-FB082024	Water	m/p-Xylenes	2.70		0.31	2.00	ug/L

Hit Summary Sheet
SW-846

SDG No.: P3716

Client: Day Environmental, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Total Voc :				15.3				
P3716-08	1053-FB082024	Water	Sulfur dioxide	* 25.3	J	0	0	ug/L
Total Tics :				25.3				
Total Concentration:				40.6				
Client ID:	1054-TB082024							
P3716-09	1054-TB082024	Water	Ethyl Benzene	2.50		0.16	1.00	ug/L
P3716-09	1054-TB082024	Water	m/p-Xylenes	11.3		0.31	2.00	ug/L
P3716-09	1054-TB082024	Water	o-Xylene	1.90		0.14	1.00	ug/L
Total Voc :				15.7				
Total Concentration:				15.7				



QC SUMMARY

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Surrogate Summary

SDG No.: **P3716**

Client: **Day Environmental, Inc.**

Analytical Method: **SW8260-Low**

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
P3716-01	1048-MW-01(23)	1,2-Dichloroethane-d4	50	57.8	116	74	125
		Dibromofluoromethane	50	51.1	102	75	124
		Toluene-d8	50	48.8	98	86	113
		4-Bromofluorobenzene	50	62.0	124 *	77	121
P3716-01DL	1048-MW-01(23)DL	1,2-Dichloroethane-d4	50	57.2	114	74	125
		Dibromofluoromethane	50	52.9	106	75	124
		Toluene-d8	50	49.7	99	86	113
		4-Bromofluorobenzene	50	57.7	115	77	121
P3716-02	1049-MW-02(23.8)	1,2-Dichloroethane-d4	50	58.4	117	74	125
		Dibromofluoromethane	50	50.0	100	75	124
		Toluene-d8	50	48.2	96	86	113
		4-Bromofluorobenzene	50	57.6	115	77	121
P3716-03MS	1049-MW-02(23.8)MS	1,2-Dichloroethane-d4	50	60.3	121	74	125
		Dibromofluoromethane	50	56.9	114	75	124
		Toluene-d8	50	54.9	110	86	113
		4-Bromofluorobenzene	50	58.3	117	77	121
P3716-04MSD	1049-MW-02(23.8)MSD	1,2-Dichloroethane-d4	50	56.1	112	74	125
		Dibromofluoromethane	50	52.0	104	75	124
		Toluene-d8	50	51.5	103	86	113
		4-Bromofluorobenzene	50	53.3	107	77	121
P3716-05	1050-MW-03A(17)	1,2-Dichloroethane-d4	50	56.5	113	74	125
		Dibromofluoromethane	50	49.2	98	75	124
		Toluene-d8	50	48.8	98	86	113
		4-Bromofluorobenzene	50	58.9	118	77	121
P3716-06	1051-MW-11(15)	1,2-Dichloroethane-d4	50	58.1	116	74	125
		Dibromofluoromethane	50	50.7	101	75	124
		Toluene-d8	50	49.2	98	86	113
		4-Bromofluorobenzene	50	58.0	116	77	121
P3716-06DL	1051-MW-11(15)DL	1,2-Dichloroethane-d4	50	55.5	111	74	125
		Dibromofluoromethane	50	51.6	103	75	124
		Toluene-d8	50	49.3	99	86	113
		4-Bromofluorobenzene	50	56.0	112	77	121
P3716-07	1052-MW-17A(15.5)	1,2-Dichloroethane-d4	50	58.3	117	74	125
		Dibromofluoromethane	50	50.4	101	75	124
		Toluene-d8	50	48.2	96	86	113
		4-Bromofluorobenzene	50	56.0	112	77	121
P3716-08	1053-FB082024	1,2-Dichloroethane-d4	50	58.3	117	74	125
		Dibromofluoromethane	50	53.2	106	75	124
		Toluene-d8	50	48.6	97	86	113
		4-Bromofluorobenzene	50	57.2	114	77	121
P3716-09	1054-TB082024	1,2-Dichloroethane-d4	50	53.0	106	74	125
		Dibromofluoromethane	50	48.6	97	75	124
		Toluene-d8	50	46.2	92	86	113
		4-Bromofluorobenzene	50	54.2	108	77	121
VN0823WBL01	VN0823WBL01	1,2-Dichloroethane-d4	50	57.1	114	74	125
		Dibromofluoromethane	50	49.9	100	75	124
		Toluene-d8	50	48.5	97	86	113
		4-Bromofluorobenzene	50	55.2	110	77	121
VN0823WBS02	VN0823WBS02	1,2-Dichloroethane-d4	50	57.8	116	74	125
		Dibromofluoromethane	50	55.3	110	75	124

Surrogate Summary

SDG No.: P3716

Client: Day Environmental, Inc.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
VN0823WBS02	VN0823WBS02	Toluene-d8	50	52.0	104	86	113
		4-Bromofluorobenzene	50	52.3	105	77	121
VN0826WBL01	VN0826WBL01	1,2-Dichloroethane-d4	50	57.2	114	74	125
		Dibromofluoromethane	50	51.8	104	75	124
		Toluene-d8	50	49.0	98	86	113
		4-Bromofluorobenzene	50	57.8	116	77	121
VN0826WBS02	VN0826WBS02	1,2-Dichloroethane-d4	50	59.5	119	74	125
		Dibromofluoromethane	50	57.7	115	75	124
		Toluene-d8	50	54.6	109	86	113
		4-Bromofluorobenzene	50	54.8	110	77	121
VN0827WBL01	VN0827WBL01	1,2-Dichloroethane-d4	50	55.7	111	74	125
		Dibromofluoromethane	50	50.5	101	75	124
		Toluene-d8	50	48.3	97	86	113
		4-Bromofluorobenzene	50	54.2	108	77	121
VN0827WBS02	VN0827WBS02	1,2-Dichloroethane-d4	50	62.3	125	74	125
		Dibromofluoromethane	50	59.2	118	75	124
		Toluene-d8	50	56.0	112	86	113
		4-Bromofluorobenzene	50	57.2	114	77	121

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P3716

Client: Day Environmental, Inc.

Analytical Method: SW8260-Low

										Limits	
Parameter	Spike	Sample	Result	Units	Rec		RPD	RPD	Low	High	RPD
		Result			Qual	Qual					
Lab Sample ID : P3716-03MS		Client Sample ID : 1049-MW-02(23.8)MS						Datafile :	VN083468.D		
Dichlorodifluoromethane	50	0	47.9	ug/L	96				73	120	
Chloromethane	50	0	49.1	ug/L	98				58	133	
Vinyl chloride	50	4.60	52.9	ug/L	97				69	125	
Bromomethane	50	0	40.5	ug/L	81				28	165	
Chloroethane	50	0	55.3	ug/L	111				70	141	
Trichlorofluoromethane	50	0	51.4	ug/L	103				72	124	
1,1,2-Trichlorotrifluoroethane	50	0	50.7	ug/L	101				75	117	
1,1-Dichloroethene	50	0	46.9	ug/L	94				53	162	
Acetone	250	0	220	ug/L	88				44	150	
Carbon disulfide	50	0	39.2	ug/L	78				44	135	
Methyl tert-butyl Ether	50	0	49.1	ug/L	98				82	133	
Methyl Acetate	50	1.80	50.7	ug/L	98				76	138	
Methylene Chloride	50	0	46.2	ug/L	92				79	115	
trans-1,2-Dichloroethene	50	0	47.1	ug/L	94				76	118	
1,1-Dichloroethane	50	0	52.0	ug/L	104				78	122	
Cyclohexane	50	0	44.0	ug/L	88				71	119	
2-Butanone	250	0	240	ug/L	96				67	137	
Carbon Tetrachloride	50	0	48.3	ug/L	97				66	133	
cis-1,2-Dichloroethene	50	34.7	78.4	ug/L	87				82	124	
Bromochloromethane	50	0	58.4	ug/L	117				72	130	
Chloroform	50	0	52.2	ug/L	104				83	119	
1,1,1-Trichloroethane	50	0	50.7	ug/L	101				83	117	
Methylcyclohexane	50	0	43.5	ug/L	87				64	120	
Benzene	50	0	49.0	ug/L	98				81	128	
1,2-Dichloroethane	50	0	51.3	ug/L	103				76	120	
Trichloroethene	50	31.0	77.8	ug/L	94				28	175	
1,2-Dichloropropane	50	0	51.4	ug/L	103				85	116	
Bromodichloromethane	50	0	48.3	ug/L	97				54	157	
4-Methyl-2-Pentanone	250	0	240	ug/L	96				72	137	
Toluene	50	0	48.0	ug/L	96				85	115	
t-1,3-Dichloropropene	50	0	46.8	ug/L	94				60	141	
cis-1,3-Dichloropropene	50	0	45.5	ug/L	91				36	161	
1,1,2-Trichloroethane	50	0	50.8	ug/L	102				27	175	
2-Hexanone	250	0	240	ug/L	96				75	131	
Dibromochloromethane	50	0	49.6	ug/L	99				59	164	
1,2-Dibromoethane	50	0	49.7	ug/L	99				85	119	
Tetrachloroethene	50	50.5	100	ug/L	99				48	153	
Chlorobenzene	50	0	45.1	ug/L	90				85	114	
Ethyl Benzene	50	0.28	45.5	ug/L	90				81	128	
m/p-Xylenes	100	1.50	92.3	ug/L	91				69	129	
o-Xylene	50	0.35	44.5	ug/L	88				75	127	
Styrene	50	0	45.0	ug/L	90				84	128	
Bromoform	50	0	44.9	ug/L	90				73	147	
Isopropylbenzene	50	0	39.7	ug/L	79				76	121	
1,1,2,2-Tetrachloroethane	50	0	43.4	ug/L	87				81	131	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P3716

Client: Day Environmental, Inc.

Analytical Method: SW8260-Low

Parameter	Spike	Sample Result	Result	Units	Rec			RPD Qual	Limits		
					Rec	Qual	RPD		Low	High	RPD
1,3-Dichlorobenzene	50	0	40.8	ug/L	82		*		84	110	
1,4-Dichlorobenzene	50	0	40.5	ug/L	81				81	111	
1,2-Dichlorobenzene	50	0	42.8	ug/L	86				82	113	
1,2-Dibromo-3-Chloropropane	50	0	40.1	ug/L	80				79	137	
1,2,4-Trichlorobenzene	50	0	36.6	ug/L	73				73	120	
1,2,3-Trichlorobenzene	50	0	37.6	ug/L	75				75	119	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P3716

Client: Day Environmental, Inc.

Analytical Method: SW8260-Low

Limits											
Parameter	Spike	Sample	Result	Units	Rec		RPD	RPD		RPD	
		Result			Qual	Qual		Low	High		
Lab Sample ID :	P3716-04MSD	Client Sample ID :	1049-MW-02(23.8)MSD					Datafile :	VN083469.D		
Dichlorodifluoromethane	50	0	46.9	ug/L	94		2		73	120	20
Chloromethane	50	0	47.7	ug/L	95		3		58	133	20
Vinyl chloride	50	4.60	53.4	ug/L	98		1		69	125	20
Bromomethane	50	0	40.8	ug/L	82		1		28	165	20
Chloroethane	50	0	53.0	ug/L	106		4		70	141	20
Trichlorofluoromethane	50	0	50.3	ug/L	101		2		72	124	20
1,1,2-Trichlorotrifluoroethane	50	0	50.3	ug/L	101		1		75	117	20
1,1-Dichloroethene	50	0	46.6	ug/L	93		1		53	162	20
Acetone	250	0	220	ug/L	88		0		44	150	20
Carbon disulfide	50	0	39.6	ug/L	79		1		44	135	20
Methyl tert-butyl Ether	50	0	48.9	ug/L	98		0		82	133	20
Methyl Acetate	50	1.80	49.6	ug/L	96		2		76	138	20
Methylene Chloride	50	0	45.9	ug/L	92		1		79	115	20
trans-1,2-Dichloroethene	50	0	46.9	ug/L	94		0		76	118	20
1,1-Dichloroethane	50	0	50.8	ug/L	102		2		78	122	20
Cyclohexane	50	0	42.9	ug/L	86		3		71	119	20
2-Butanone	250	0	230	ug/L	92		4		67	137	20
Carbon Tetrachloride	50	0	48.4	ug/L	97		0		66	133	20
cis-1,2-Dichloroethene	50	34.7	78.0	ug/L	87		0		82	124	20
Bromochloromethane	50	0	53.9	ug/L	108		8		72	130	20
Chloroform	50	0	51.6	ug/L	103		1		83	119	20
1,1,1-Trichloroethane	50	0	50.2	ug/L	100		1		83	117	20
Methylcyclohexane	50	0	43.8	ug/L	88		1		64	120	20
Benzene	50	0	48.4	ug/L	97		1		81	128	20
1,2-Dichloroethane	50	0	50.6	ug/L	101		1		76	120	20
Trichloroethene	50	31.0	78.2	ug/L	94		0		28	175	20
1,2-Dichloropropane	50	0	49.8	ug/L	100		3		85	116	20
Bromodichloromethane	50	0	48.9	ug/L	98		1		54	157	20
4-Methyl-2-Pentanone	250	0	240	ug/L	96		0		72	137	20
Toluene	50	0	48.4	ug/L	97		1		85	115	20
t-1,3-Dichloropropene	50	0	47.2	ug/L	94		1		60	141	20
cis-1,3-Dichloropropene	50	0	45.1	ug/L	90		1		36	161	20
1,1,2-Trichloroethane	50	0	50.4	ug/L	101		1		27	175	20
2-Hexanone	250	0	240	ug/L	96		0		75	131	20
Dibromochloromethane	50	0	49.1	ug/L	98		1		59	164	20
1,2-Dibromoethane	50	0	48.2	ug/L	96		3		85	119	20
Tetrachloroethene	50	50.5	110	ug/L	119		18		48	153	20
Chlorobenzene	50	0	46.5	ug/L	93		3		85	114	20
Ethyl Benzene	50	0.28	47.2	ug/L	94		4		81	128	20
m/p-Xylenes	100	1.50	94.5	ug/L	93		2		69	129	20
o-Xylene	50	0.35	46.7	ug/L	93		6		75	127	20
Styrene	50	0	46.9	ug/L	94		4		84	128	20
Bromoform	50	0	47.0	ug/L	94		5		73	147	20
Isopropylbenzene	50	0	41.3	ug/L	83		4		76	121	20
1,1,2,2-Tetrachloroethane	50	0	46.2	ug/L	92		6		81	131	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P3716

Client: Day Environmental, Inc.

Analytical Method: SW8260-Low

Parameter	Spike	Sample Result	Result	Units	Rec		RPD		Limits		RPD
					Rec	Qual	RPD	Qual	Low	High	
1,3-Dichlorobenzene	50	0	43.9	ug/L	88		7		84	110	20
1,4-Dichlorobenzene	50	0	43.5	ug/L	87		7		81	111	20
1,2-Dichlorobenzene	50	0	46.0	ug/L	92		7		82	113	20
1,2-Dibromo-3-Chloropropane	50	0	41.1	ug/L	82		2		79	137	20
1,2,4-Trichlorobenzene	50	0	41.6	ug/L	83		13		73	120	20
1,2,3-Trichlorobenzene	50	0	41.3	ug/L	83		9		75	119	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P3716

Client: Day Environmental, Inc.

Analytical Method: SW8260-Low

Datafile : VN083451.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VN0823WBS02	Dichlorodifluoromethane	20	17.3	ug/L	86			69	116	
	Chloromethane	20	20.5	ug/L	103			65	116	
	Vinyl chloride	20	21.2	ug/L	106			65	117	
	Bromomethane	20	17.8	ug/L	89			58	125	
	Chloroethane	20	24.6	ug/L	123			56	128	
	Trichlorofluoromethane	20	21.9	ug/L	110			73	115	
	1,1,2-Trichlorotrifluoroethane	20	21.4	ug/L	107			80	112	
	1,1-Dichloroethene	20	20.7	ug/L	104			74	110	
	Acetone	100	95.0	ug/L	95			60	125	
	Carbon disulfide	20	18.6	ug/L	93			64	112	
	Methyl tert-butyl Ether	20	20.9	ug/L	104			78	114	
	Methyl Acetate	20	20.2	ug/L	101			67	125	
	Methylene Chloride	20	20.3	ug/L	102			72	114	
	trans-1,2-Dichloroethene	20	20.6	ug/L	103			75	108	
	1,1-Dichloroethane	20	22.5	ug/L	113		*	78	112	
	Cyclohexane	20	19.8	ug/L	99			75	110	
	2-Butanone	100	93.1	ug/L	93			65	122	
	Carbon Tetrachloride	20	21.4	ug/L	107			77	113	
	cis-1,2-Dichloroethene	20	21.2	ug/L	106			77	110	
	Bromochloromethane	20	21.4	ug/L	107			70	124	
	Chloroform	20	22.7	ug/L	114		*	79	113	
	1,1,1-Trichloroethane	20	22.3	ug/L	112		*	80	108	
	Methylcyclohexane	20	19.1	ug/L	96			72	115	
	Benzene	20	22.0	ug/L	110		*	82	109	
	1,2-Dichloroethane	20	23.3	ug/L	117		*	80	115	
	Trichloroethene	20	20.9	ug/L	104			77	113	
	1,2-Dichloropropane	20	22.3	ug/L	112		*	83	111	
	Bromodichloromethane	20	21.1	ug/L	106			83	110	
	4-Methyl-2-Pentanone	100	95.9	ug/L	96			74	118	
	Toluene	20	21.1	ug/L	106			82	110	
	t-1,3-Dichloropropene	20	19.8	ug/L	99			79	110	
	cis-1,3-Dichloropropene	20	20.5	ug/L	103			82	110	
	1,1,2-Trichloroethane	20	21.8	ug/L	109			83	112	
	2-Hexanone	100	91.5	ug/L	92			73	117	
	Dibromochloromethane	20	20.6	ug/L	103			82	110	
	1,2-Dibromoethane	20	20.5	ug/L	103			81	110	
	Tetrachloroethene	20	20.2	ug/L	101			67	123	
	Chlorobenzene	20	20.0	ug/L	100			82	109	
	Ethyl Benzene	20	20.0	ug/L	100			83	109	
	m/p-Xylenes	40	40.3	ug/L	101			82	110	
	o-Xylene	20	20.0	ug/L	100			83	109	
	Styrene	20	19.5	ug/L	98			80	111	
	Bromoform	20	18.6	ug/L	93			79	109	
	Isopropylbenzene	20	18.2	ug/L	91			83	112	
	1,1,2,2-Tetrachloroethane	20	19.8	ug/L	99			76	118	
	1,3-Dichlorobenzene	20	19.2	ug/L	96			82	108	
	1,4-Dichlorobenzene	20	19.5	ug/L	98			82	107	
	1,2-Dichlorobenzene	20	19.6	ug/L	98			82	109	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P3716

Client: Day Environmental, Inc.

Analytical Method: SW8260-Low

Datafile : VN083451.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VN0823WBS02	1,2-Dibromo-3-Chloropropane	20	16.7	ug/L	84			68	112	
	1,2,4-Trichlorobenzene	20	17.1	ug/L	86			75	113	
	1,2,3-Trichlorobenzene	20	17.2	ug/L	86			76	114	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P3716

Client: Day Environmental, Inc.

Analytical Method: SW8260-Low

Datafile : VN083476.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VN0826WBS02	Dichlorodifluoromethane	20	17.3	ug/L	86			69	116	
	Chloromethane	20	19.1	ug/L	96			65	116	
	Vinyl chloride	20	20.0	ug/L	100			65	117	
	Bromomethane	20	17.5	ug/L	88			58	125	
	Chloroethane	20	24.5	ug/L	123			56	128	
	Trichlorofluoromethane	20	21.3	ug/L	106			73	115	
	1,1,2-Trichlorotrifluoroethane	20	21.0	ug/L	105			80	112	
	1,1-Dichloroethene	20	19.7	ug/L	99			74	110	
	Acetone	100	98.7	ug/L	99			60	125	
	Carbon disulfide	20	17.6	ug/L	88			64	112	
	Methyl tert-butyl Ether	20	21.4	ug/L	107			78	114	
	Methyl Acetate	20	20.7	ug/L	104			67	125	
	Methylene Chloride	20	20.0	ug/L	100			72	114	
	trans-1,2-Dichloroethene	20	19.1	ug/L	96			75	108	
	1,1-Dichloroethane	20	21.8	ug/L	109			78	112	
	Cyclohexane	20	19.2	ug/L	96			75	110	
	2-Butanone	100	100	ug/L	100			65	122	
	Carbon Tetrachloride	20	21.7	ug/L	109			77	113	
	cis-1,2-Dichloroethene	20	21.0	ug/L	105			77	110	
	Bromochloromethane	20	22.7	ug/L	114			70	124	
	Chloroform	20	22.0	ug/L	110			79	113	
	1,1,1-Trichloroethane	20	21.1	ug/L	106			80	108	
	Methylcyclohexane	20	19.5	ug/L	98			72	115	
	Benzene	20	21.7	ug/L	109			82	109	
	1,2-Dichloroethane	20	23.2	ug/L	116		*	80	115	
	Trichloroethene	20	20.7	ug/L	104			77	113	
	1,2-Dichloropropane	20	22.2	ug/L	111			83	111	
	Bromodichloromethane	20	21.7	ug/L	109			83	110	
	4-Methyl-2-Pentanone	100	110	ug/L	110			74	118	
	Toluene	20	21.6	ug/L	108			82	110	
	t-1,3-Dichloropropene	20	21.3	ug/L	106			79	110	
	cis-1,3-Dichloropropene	20	21.3	ug/L	106			82	110	
	1,1,2-Trichloroethane	20	22.9	ug/L	115		*	83	112	
	2-Hexanone	100	100	ug/L	100			73	117	
	Dibromochloromethane	20	21.2	ug/L	106			82	110	
	1,2-Dibromoethane	20	21.7	ug/L	109			81	110	
	Tetrachloroethene	20	20.3	ug/L	102			67	123	
	Chlorobenzene	20	20.7	ug/L	104			82	109	
	Ethyl Benzene	20	20.0	ug/L	100			83	109	
	m/p-Xylenes	40	39.8	ug/L	100			82	110	
	o-Xylene	20	19.7	ug/L	99			83	109	
	Styrene	20	19.5	ug/L	98			80	111	
	Bromoform	20	20.3	ug/L	102			79	109	
	Isopropylbenzene	20	17.7	ug/L	89			83	112	
	1,1,2,2-Tetrachloroethane	20	19.9	ug/L	100			76	118	
	1,3-Dichlorobenzene	20	18.6	ug/L	93			82	108	
	1,4-Dichlorobenzene	20	18.4	ug/L	92			82	107	
	1,2-Dichlorobenzene	20	19.6	ug/L	98			82	109	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P3716

Client: Day Environmental, Inc.

Analytical Method: SW8260-Low

Datafile : VN083476.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VN0826WBS02	1,2-Dibromo-3-Chloropropane	20	17.1	ug/L	86			68	112	
	1,2,4-Trichlorobenzene	20	17.2	ug/L	86			75	113	
	1,2,3-Trichlorobenzene	20	17.2	ug/L	86			76	114	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P3716

Client: Day Environmental, Inc.

Analytical Method: SW8260-Low

Datafile : VN083502.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VN0827WBS02	Dichlorodifluoromethane	20	18.4	ug/L	92			69	116	
	Chloromethane	20	20.8	ug/L	104			65	116	
	Vinyl chloride	20	21.8	ug/L	109			65	117	
	Bromomethane	20	17.9	ug/L	90			58	125	
	Chloroethane	20	22.7	ug/L	114			56	128	
	Trichlorofluoromethane	20	23.8	ug/L	119	*		73	115	
	1,1,2-Trichlorotrifluoroethane	20	23.5	ug/L	117	*		80	112	
	1,1-Dichloroethene	20	21.4	ug/L	107			74	110	
	Acetone	100	110	ug/L	110			60	125	
	Carbon disulfide	20	18.1	ug/L	91			64	112	
	Methyl tert-butyl Ether	20	22.7	ug/L	114			78	114	
	Methyl Acetate	20	22.7	ug/L	114			67	125	
	Methylene Chloride	20	21.2	ug/L	106			72	114	
	trans-1,2-Dichloroethene	20	22.0	ug/L	110	*		75	108	
	1,1-Dichloroethane	20	24.2	ug/L	121	*		78	112	
	Cyclohexane	20	21.1	ug/L	106			75	110	
	2-Butanone	100	110	ug/L	110			65	122	
	Carbon Tetrachloride	20	22.6	ug/L	113			77	113	
	cis-1,2-Dichloroethene	20	22.6	ug/L	113	*		77	110	
	Bromochloromethane	20	23.7	ug/L	119			70	124	
	Chloroform	20	24.3	ug/L	121	*		79	113	
	1,1,1-Trichloroethane	20	24.0	ug/L	120	*		80	108	
	Methylcyclohexane	20	20.8	ug/L	104			72	115	
	Benzene	20	22.6	ug/L	113	*		82	109	
	1,2-Dichloroethane	20	24.2	ug/L	121	*		80	115	
	Trichloroethene	20	22.2	ug/L	111			77	113	
	1,2-Dichloropropane	20	24.0	ug/L	120	*		83	111	
	Bromodichloromethane	20	22.6	ug/L	113	*		83	110	
	4-Methyl-2-Pentanone	100	110	ug/L	110			74	118	
	Toluene	20	22.1	ug/L	111	*		82	110	
	t-1,3-Dichloropropene	20	21.7	ug/L	109			79	110	
	cis-1,3-Dichloropropene	20	22.6	ug/L	113	*		82	110	
	1,1,2-Trichloroethane	20	23.8	ug/L	119	*		83	112	
	2-Hexanone	100	110	ug/L	110			73	117	
	Dibromochloromethane	20	22.2	ug/L	111	*		82	110	
	1,2-Dibromoethane	20	22.4	ug/L	112	*		81	110	
	Tetrachloroethene	20	21.3	ug/L	106			67	123	
	Chlorobenzene	20	22.0	ug/L	110	*		82	109	
	Ethyl Benzene	20	21.5	ug/L	108			83	109	
	m/p-Xylenes	40	43.1	ug/L	108			82	110	
	o-Xylene	20	21.4	ug/L	107			83	109	
	Styrene	20	21.0	ug/L	105			80	111	
	Bromoform	20	21.3	ug/L	106			79	109	
	Isopropylbenzene	20	19.6	ug/L	98			83	112	
	1,1,2,2-Tetrachloroethane	20	21.5	ug/L	108			76	118	
	1,3-Dichlorobenzene	20	20.0	ug/L	100			82	108	
	1,4-Dichlorobenzene	20	19.5	ug/L	98			82	107	
	1,2-Dichlorobenzene	20	20.9	ug/L	104			82	109	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P3716
Client: Day Environmental, Inc.
Analytical Method: SW8260-Low **Datafile :** VN083502.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VN0827WBS02	1,2-Dibromo-3-Chloropropane	20	20.2	ug/L	101			68	112	
	1,2,4-Trichlorobenzene	20	18.4	ug/L	92			75	113	
	1,2,3-Trichlorobenzene	20	18.5	ug/L	93			76	114	

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN0823WBL01

Lab Name: CHEMTECH

Contract: DAYE01

Lab Code: CHEM Case No.: P3716

SAS No.: P3716 SDG NO.: P3716

Lab File ID: VN083449.D

Lab Sample ID: VN0823WBL01

Date Analyzed: 08/23/2024

Time Analyzed: 10:15

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
VN0823WBS02	VN0823WBS02	VN083451.D	08/23/2024
1048-MW-01 (23)	P3716-01	VN083462.D	08/23/2024
1050-MW-03A (17)	P3716-05	VN083463.D	08/23/2024
1052-MW-17A (15.5)	P3716-07	VN083464.D	08/23/2024
1051-MW-11 (15)	P3716-06	VN083465.D	08/23/2024
1049-MW-02 (23.8)	P3716-02	VN083467.D	08/23/2024
1049-MW-02 (23.8) MS	P3716-03MS	VN083468.D	08/23/2024
1049-MW-02 (23.8) MSD	P3716-04MSD	VN083469.D	08/23/2024

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN0826WBL01

Lab Name: CHEMTECH

Contract: DAYE01

Lab Code: CHEM Case No.: P3716

SAS No.: P3716 SDG NO.: P3716

Lab File ID: VN083474.D

Lab Sample ID: VN0826WBL01

Date Analyzed: 08/26/2024

Time Analyzed: 11:33

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
VN0826WBS02	VN0826WBS02	VN083476.D	08/26/2024
1051-MW-11(15)DL	P3716-06DL	VN083477.D	08/26/2024
1048-MW-01(23)DL	P3716-01DL	VN083478.D	08/26/2024
1053-FB082024	P3716-08	VN083493.D	08/26/2024

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN0827WBL01

Lab Name: CHEMTECH

Contract: DAYE01

Lab Code: CHEM Case No.: P3716

SAS No.: P3716 SDG NO.: P3716

Lab File ID: VN083498.D

Lab Sample ID: VN0827WBL01

Date Analyzed: 08/27/2024

Time Analyzed: 10:04

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
1054-TB082024	P3716-09	VN083499.D	08/27/2024
VN0827WBS02	VN0827WBS02	VN083502.D	08/27/2024

COMMENTS: _____

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
 BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: P3716 SAS No.: P3716 SDG NO.: P3716
 Lab File ID: VN083134.D BFB Injection Date: 08/07/2024
 Instrument ID: MSVOA_N BFB Injection Time: 10:09
 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	19.7
75	30.0 - 60.0% of mass 95	52.6
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.5
173	Less than 2.0% of mass 174	0.2 (0.3) 1
174	50.0 - 100.0% of mass 95	66.5
175	5.0 - 9.0% of mass 174	4.9 (7.4) 1
176	95.0 - 101.0% of mass 174	64.4 (96.9) 1
177	5.0 - 9.0% of mass 176	4.1 (6.3) 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
VSTDIC100	VSTDIC100	VN083135.D	08/07/2024	10:33
VSTDICCC050	VSTDICCC050	VN083136.D	08/07/2024	10:58
VSTDIC020	VSTDIC020	VN083137.D	08/07/2024	11:22
VSTDIC010	VSTDIC010	VN083138.D	08/07/2024	11:46
VSTDIC005	VSTDIC005	VN083139.D	08/07/2024	12:10
VSTDIC001	VSTDIC001	VN083140.D	08/07/2024	12:34



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: DAYE01
Lab Code: CHEM Case No.: P3716 SAS No.: P3716 SDG NO.: P3716
Lab File ID: VN083446.D BFB Injection Date: 08/23/2024
Instrument ID: MSVOA_N BFB Injection Time: 08:15
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	19.7
75	30.0 - 60.0% of mass 95	53.5
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.7 (1) 1
174	50.0 - 100.0% of mass 95	66.9
175	5.0 - 9.0% of mass 174	5 (7.5) 1
176	95.0 - 101.0% of mass 174	64.1 (95.9) 1
177	5.0 - 9.0% of mass 176	4.8 (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	VN083447.D	08/23/2024	08:39
VN0823WBL01	VN0823WBL01	VN083449.D	08/23/2024	10:15
VN0823WBS02	VN0823WBS02	VN083451.D	08/23/2024	11:14
1048-MW-01 (23)	P3716-01	VN083462.D	08/23/2024	15:55
1050-MW-03A (17)	P3716-05	VN083463.D	08/23/2024	16:20
1052-MW-17A (15.5)	P3716-07	VN083464.D	08/23/2024	16:44
1051-MW-11 (15)	P3716-06	VN083465.D	08/23/2024	17:08
1049-MW-02 (23.8)	P3716-02	VN083467.D	08/23/2024	17:56
1049-MW-02 (23.8) MS	P3716-03MS	VN083468.D	08/23/2024	18:21
1049-MW-02 (23.8) MSD	P3716-04MSD	VN083469.D	08/23/2024	18:45

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
 BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: P3716 SAS No.: P3716 SDG NO.: P3716
 Lab File ID: VN083471.D BFB Injection Date: 08/26/2024
 Instrument ID: MSVOA_N BFB Injection Time: 08:36
 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	20.7
75	30.0 - 60.0% of mass 95	57.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.3
173	Less than 2.0% of mass 174	0.8 (1.1) 1
174	50.0 - 100.0% of mass 95	71.9
175	5.0 - 9.0% of mass 174	5.2 (7.2) 1
176	95.0 - 101.0% of mass 174	68.7 (95.6) 1
177	5.0 - 9.0% of mass 176	4.7 (6.8) 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	VN083472.D	08/26/2024	09:56
VN0826WBL01	VN0826WBL01	VN083474.D	08/26/2024	11:33
VN0826WBS02	VN0826WBS02	VN083476.D	08/26/2024	12:31
1051-MW-11(15)DL	P3716-06DL	VN083477.D	08/26/2024	12:55
1048-MW-01(23)DL	P3716-01DL	VN083478.D	08/26/2024	13:19
1053-FB082024	P3716-08	VN083493.D	08/26/2024	19:47

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
 BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: P3716 SAS No.: P3716 SDG NO.: P3716
 Lab File ID: VN083495.D BFB Injection Date: 08/27/2024
 Instrument ID: MSVOA_N BFB Injection Time: 08:29
 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	21.6
75	30.0 - 60.0% of mass 95	54.6
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.1
173	Less than 2.0% of mass 174	0.5 (0.8) 1
174	50.0 - 100.0% of mass 95	69.2
175	5.0 - 9.0% of mass 174	4.7 (6.8) 1
176	95.0 - 101.0% of mass 174	65.7 (94.9) 1
177	5.0 - 9.0% of mass 176	4.2 (6.3) 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	VN083496.D	08/27/2024	09:05
VN0827WBL01	VN0827WBL01	VN083498.D	08/27/2024	10:04
1054-TB082024	P3716-09	VN083499.D	08/27/2024	10:28
VN0827WBS02	VN0827WBS02	VN083502.D	08/27/2024	12:16

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: DAYE01
Lab Code: CHEM Case No.: P3716 SAS No.: P3716 SDG NO.: P3716
Lab File ID: VN083447.D Date Analyzed: 08/23/2024
Instrument ID: MSVOA_N Time Analyzed: 08:39
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	153406	8.22	263368	9.10	229242	11.87
UPPER LIMIT	306812	8.724	526736	9.6	458484	12.365
LOWER LIMIT	76703	7.724	131684	8.6	114621	11.365
EPA SAMPLE NO.						
1048-MW-01 (23)	122781	8.22	249387	9.10	276626	11.87
1049-MW-02 (23.8)	121554	8.22	254593	9.10	274878	11.87
1049-MW-02 (23.8)MS	150043	8.22	266487	9.10	242218	11.87
1049-MW-02 (23.8)MSD	156307	8.22	275316	9.10	243349	11.87
1050-MW-03A (17)	126240	8.22	255804	9.10	275886	11.87
1051-MW-11 (15)	126325	8.22	256735	9.10	279795	11.87
1052-MW-17A (15.5)	125410	8.22	263154	9.10	279626	11.87
VN0823WBL01	137999	8.22	284230	9.10	298003	11.87
VN0823WBS02	137677	8.22	239743	9.10	210226	11.87

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.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: DAYE01
Lab Code: CHEM Case No.: P3716 SAS No.: P3716 SDG NO.: P3716
Lab File ID: VN083447.D Date Analyzed: 08/23/2024
Instrument ID: MSVOA_N Time Analyzed: 08:39
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	116414	13.788				
UPPER LIMIT	232828	14.288				
LOWER LIMIT	58207	13.288				
EPA SAMPLE NO.						
1048-MW-01 (23)	139204	13.79				
1049-MW-02 (23.8)	132754	13.79				
1049-MW-02 (23.8)MS	128915	13.79				
1049-MW-02 (23.8)MSD	125992	13.79				
1050-MW-03A (17)	134088	13.79				
1051-MW-11 (15)	135565	13.79				
1052-MW-17A (15.5)	132452	13.79				
VN0823WBL01	142273	13.79				
VN0823WBS02	104257	13.79				

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.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: DAYE01
Lab Code: CHEM Case No.: P3716 SAS No.: P3716 SDG NO.: P3716
Lab File ID: VN083472.D Date Analyzed: 08/26/2024
Instrument ID: MSVOA_N Time Analyzed: 09:56
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	145377	8.22	248724	9.10	219575	11.87
UPPER LIMIT	290754	8.718	497448	9.6	439150	12.365
LOWER LIMIT	72688.5	7.718	124362	8.6	109788	11.365
EPA SAMPLE NO.						
1048-MW-01 (23) DL	124172	8.22	251230	9.10	271737	11.87
1051-MW-11 (15) DL	122225	8.22	245532	9.10	259019	11.87
1053-FB082024	111449	8.22	227351	9.10	245554	11.87
VN0826WBL01	122134	8.22	248168	9.10	263866	11.87
VN0826WBS02	132137	8.22	223910	9.10	199889	11.87

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.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: DAYE01
Lab Code: CHEM Case No.: P3716 SAS No.: P3716 SDG NO.: P3716
Lab File ID: VN083472.D Date Analyzed: 08/26/2024
Instrument ID: MSVOA_N Time Analyzed: 09:56
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	113050	13.794				
UPPER LIMIT	226100	14.294				
LOWER LIMIT	56525	13.294				
EPA SAMPLE NO.						
1048-MW-01 (23) DL	126876	13.79				
1051-MW-11 (15) DL	119935	13.79				
1053-FB082024	118552	13.79				
VN0826WBL01	126736	13.79				
VN0826WBS02	103520	13.79				

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.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: DAYE01
Lab Code: CHEM Case No.: P3716 SAS No.: P3716 SDG NO.: P3716
Lab File ID: VN083496.D Date Analyzed: 08/27/2024
Instrument ID: MSVOA_N Time Analyzed: 09:05
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	149795	8.22	255248	9.10	224608	11.87
UPPER LIMIT	299590	8.724	510496	9.6	449216	12.365
LOWER LIMIT	74897.5	7.724	127624	8.6	112304	11.365
EPA SAMPLE NO.						
1054-TB082024	147634	8.22	291610	9.10	309738	11.87
VN0827WBL01	141137	8.22	284718	9.10	301175	11.87
VN0827WBS02	136048	8.22	239756	9.10	206153	11.87

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.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: DAYE01
Lab Code: CHEM Case No.: P3716 SAS No.: P3716 SDG NO.: P3716
Lab File ID: VN083496.D Date Analyzed: 08/27/2024
Instrument ID: MSVOA_N Time Analyzed: 09:05
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	115875	13.794				
UPPER LIMIT	231750	14.294				
LOWER LIMIT	57937.5	13.294				
EPA SAMPLE NO.						
1054-TB082024	144572	13.79				
VN0827WBL01	142541	13.79				
VN0827WBS02	105331	13.79				

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

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

Report of Analysis

Client:	Day Environmental, Inc.		Date Collected:	08/20/24	
Project:	NYSDEC Andrews St Site #E828144		Date Received:	08/22/24	
Client Sample ID:	1048-MW-01(23)		SDG No.:	P3716	
Lab Sample ID:	P3716-01		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
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	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN083462.D	1		08/23/24 15:55	VN082324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.21	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.35	1.00	ug/L
75-01-4	Vinyl Chloride	20.9		0.34	1.00	ug/L
74-83-9	Bromomethane	5.00	U	1.40	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.26	1.00	ug/L
67-64-1	Acetone	6.30		1.40	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	2.40		0.60	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	UQ	0.23	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.60	5.00	ug/L
78-93-3	2-Butanone	5.00	U	1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	150	E	0.25	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.18	1.00	ug/L
67-66-3	Chloroform	1.00	UQ	0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	UQ	0.19	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.19	1.00	ug/L
71-43-2	Benzene	1.00	UQ	0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	UQ	0.24	1.00	ug/L
79-01-6	Trichloroethene	130	E	0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	UQ	0.19	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.75	5.00	ug/L
108-88-3	Toluene	1.00	U	0.18	1.00	ug/L

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	08/20/24
Project:	NYSDEC Andrews St Site #E828144	Date Received:	08/22/24
Client Sample ID:	1048-MW-01(23)	SDG No.:	P3716
Lab Sample ID:	P3716-01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
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
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN083462.D	1		08/23/24 15:55	VN082324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	1.00	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	1.10	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	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	910	E	0.25	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.13	1.00	ug/L
100-41-4	Ethyl Benzene	0.35	J	0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	1.40	J	0.31	2.00	ug/L
95-47-6	o-Xylene	0.41	J	0.14	1.00	ug/L
100-42-5	Styrene	1.00	U	0.16	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.21	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	57.8		74 - 125	116%	SPK: 50
1868-53-7	Dibromofluoromethane	51.1		75 - 124	102%	SPK: 50
2037-26-5	Toluene-d8	48.8		86 - 113	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	62.0	*	77 - 121	124%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	123000	8.224			
540-36-3	1,4-Difluorobenzene	249000	9.1			
3114-55-4	Chlorobenzene-d5	277000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	139000	13.794			

Report of Analysis

Client:	Day Environmental, Inc.		Date Collected:	08/20/24
Project:	NYSDEC Andrews St Site #E828144		Date Received:	08/22/24
Client Sample ID:	1048-MW-01(23)		SDG No.:	P3716
Lab Sample ID:	P3716-01		Matrix:	Water
Analytical Method:	SW8260		% Solid:	0
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
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN083462.D	1		08/23/24 15:55	VN082324

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\VN082324\
 Data File : VN083462.D
 Acq On : 23 Aug 2024 15:55
 Operator : JC\MD
 Sample : P3716-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 1048-MW-01(23)

Quant Time: Aug 24 00:03:15 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 08 06:30:41 2024
 Response via : Initial Calibration

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

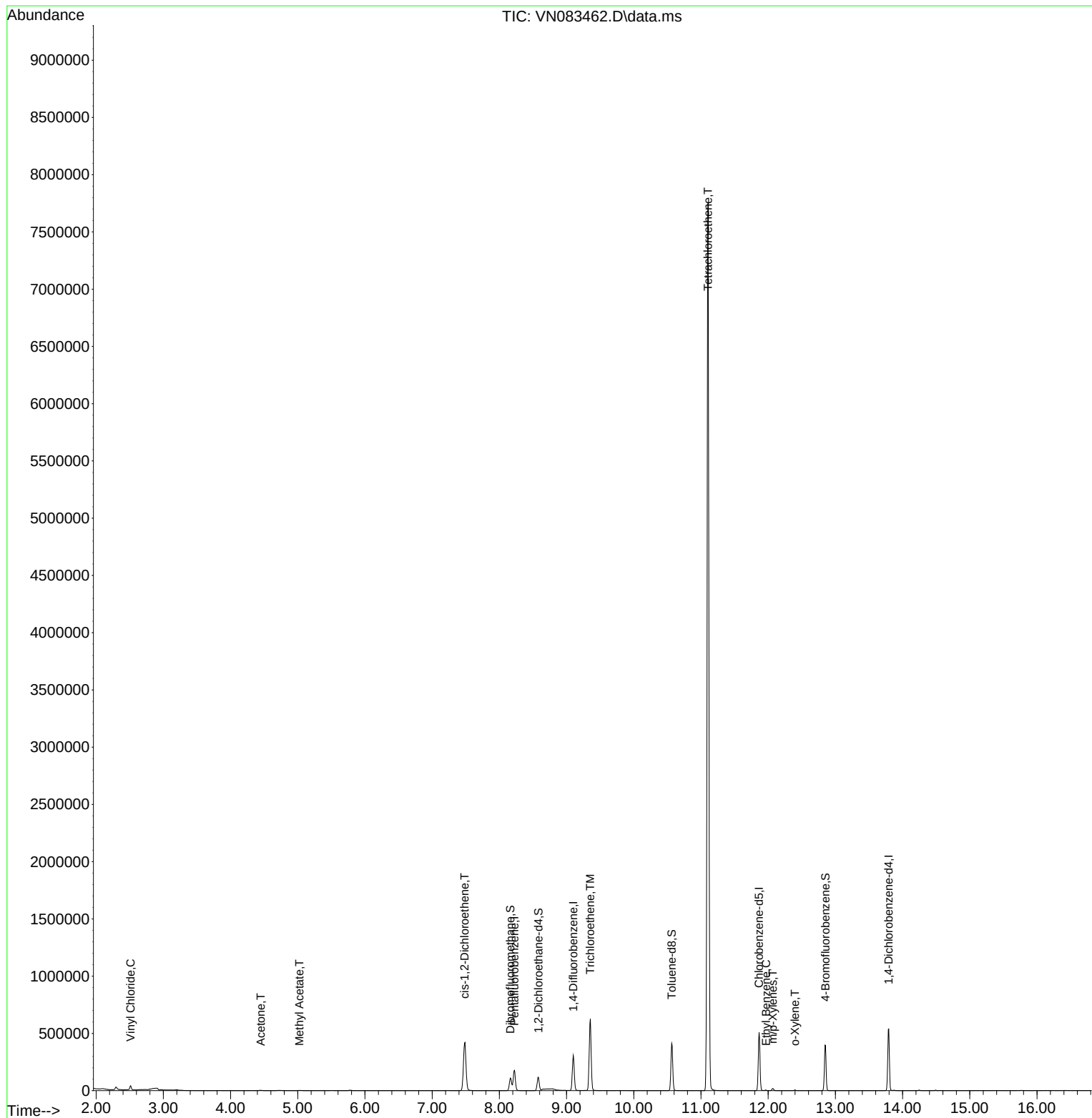
Internal Standards						
1) Pentafluorobenzene	8.224	168	122781	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	249387	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	276626	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	139204	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	100945	57.760	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 115.520%		
35) Dibromofluoromethane	8.165	113	79482	51.061	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 102.120%		
50) Toluene-d8	10.565	98	283527	48.829	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 97.660%		
62) 4-Bromofluorobenzene	12.853	95	140304	61.979	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 123.960%#		
Target Compounds						
					Qvalue	
4) Vinyl Chloride	2.512	62	30346	20.863	ug/l	98
16) Acetone	4.447	43	4322	6.320	ug/l #	72
18) Methyl Acetate	5.024	43	4969	2.439	ug/l #	78
27) cis-1,2-Dichloroethene	7.482	96	247981	146.087	ug/l	84
44) Trichloroethene	9.353	130	211377	126.597	ug/l	92
64) Tetrachloroethene	11.106	164	1669432	911.249	ug/l	93
67) Ethyl Benzene	11.970	91	3909	0.349	ug/l	96
68) m/p-Xylenes	12.070	106	6058	1.442	ug/l	95
69) o-Xylene	12.400	106	1693	0.409	ug/l	91

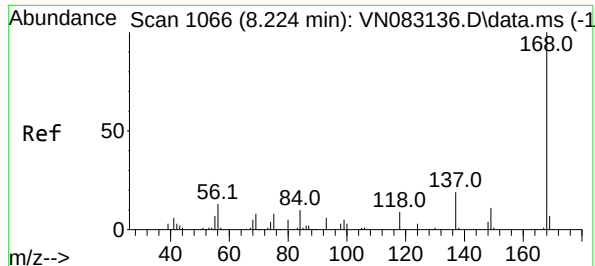
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082324\
Data File : VN083462.D
Acq On : 23 Aug 2024 15:55
Operator : JC\MD
Sample : P3716-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
1048-MW-01(23)

Quant Time: Aug 24 00:03:15 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 08 06:30:41 2024
Response via : Initial Calibration

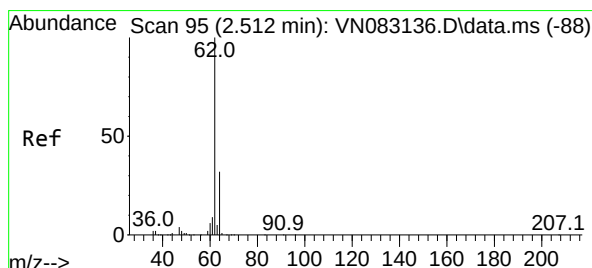
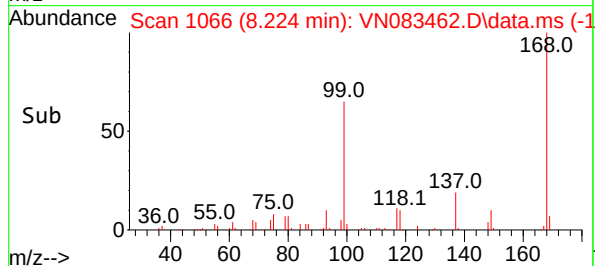
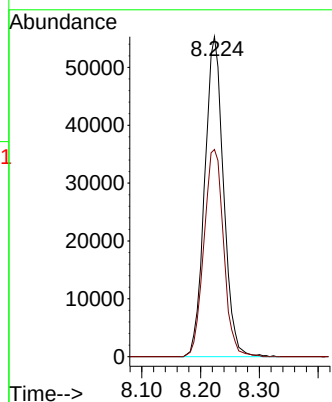
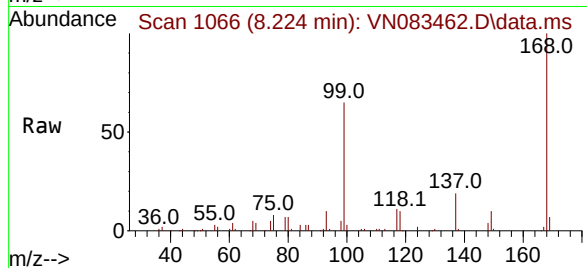




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083462.D
Acq: 23 Aug 2024 15:55

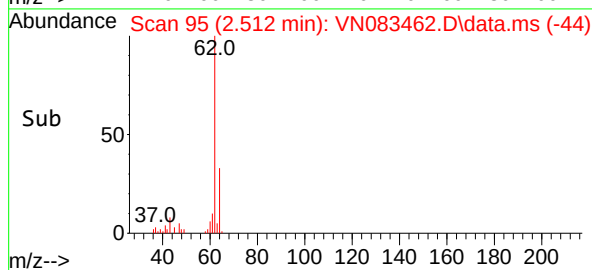
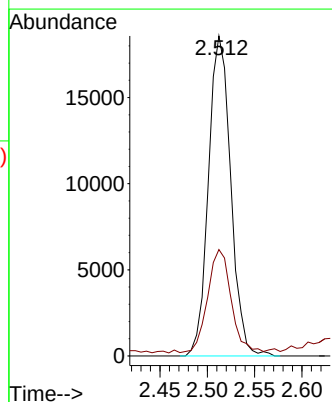
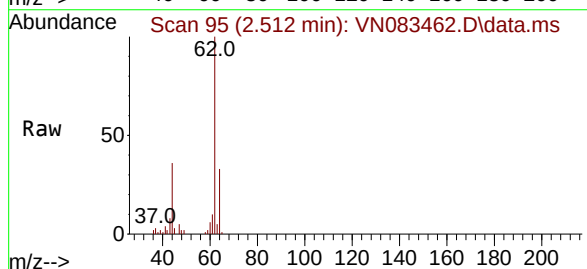
Instrument :
MSVOA_N
ClientSampleId :
1048-MW-01(23)

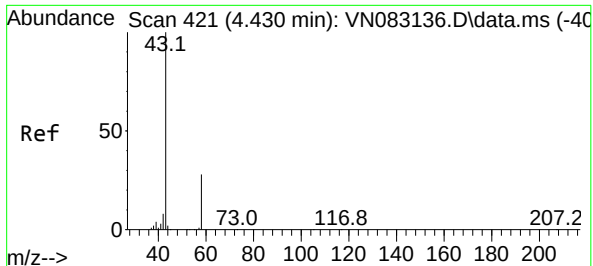
Tgt Ion:168 Resp: 122781
Ion Ratio Lower Upper
168 100
99 64.7 48.2 72.4



#4
Vinyl Chloride
Concen: 20.863 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN083462.D
Acq: 23 Aug 2024 15:55

Tgt Ion: 62 Resp: 30346
Ion Ratio Lower Upper
62 100
64 32.2 25.0 37.6

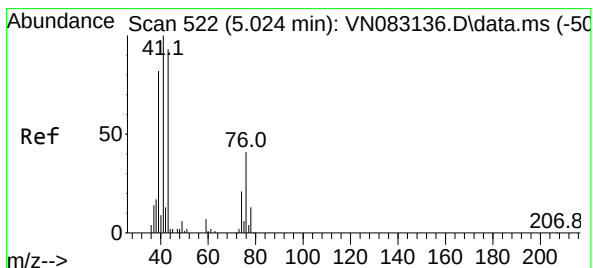
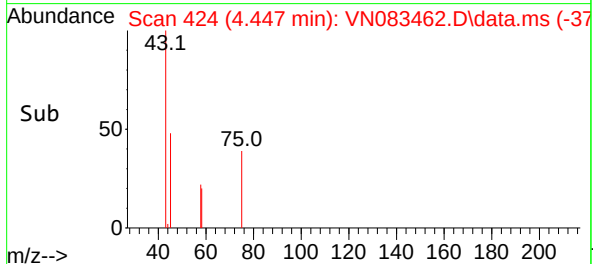
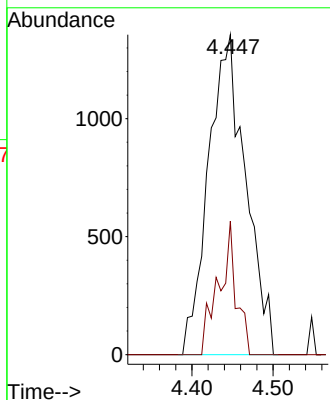
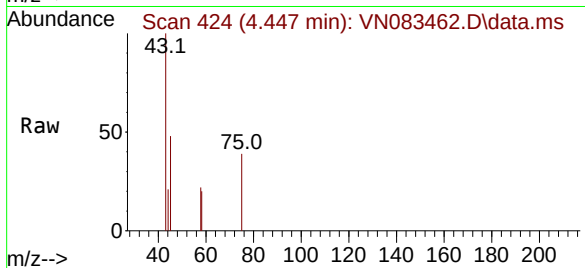




#16
Acetone
Concen: 6.320 ug/l
RT: 4.447 min Scan# 41
Delta R.T. 0.018 min
Lab File: VN083462.D
Acq: 23 Aug 2024 15:55

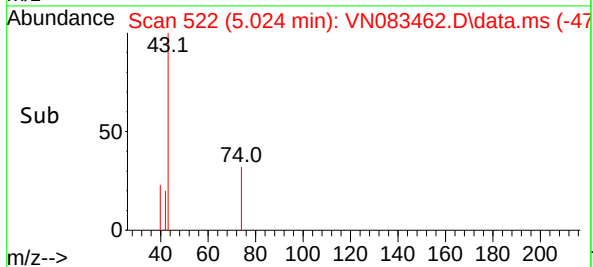
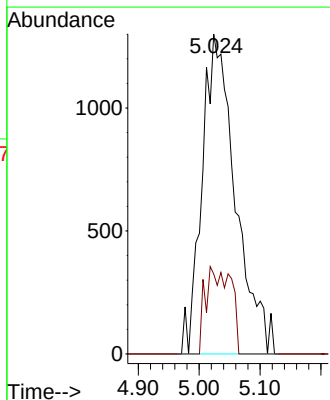
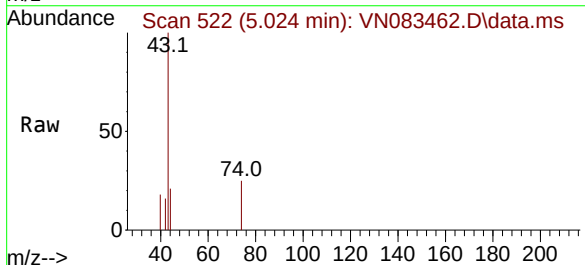
Instrument :
MSVOA_N
ClientSampleId :
1048-MW-01(23)

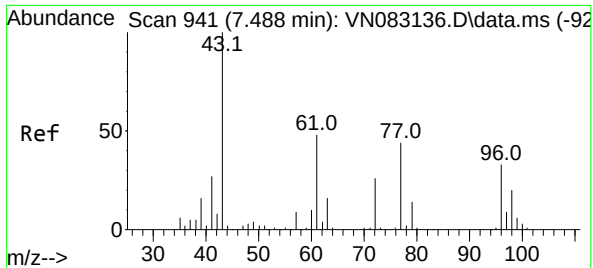
Tgt Ion: 43 Resp: 4322
Ion Ratio Lower Upper
43 100
58 41.7 21.8 32.6#



#18
Methyl Acetate
Concen: 2.439 ug/l
RT: 5.024 min Scan# 522
Delta R.T. -0.000 min
Lab File: VN083462.D
Acq: 23 Aug 2024 15:55

Tgt Ion: 43 Resp: 4969
Ion Ratio Lower Upper
43 100
74 10.2 16.3 24.5#

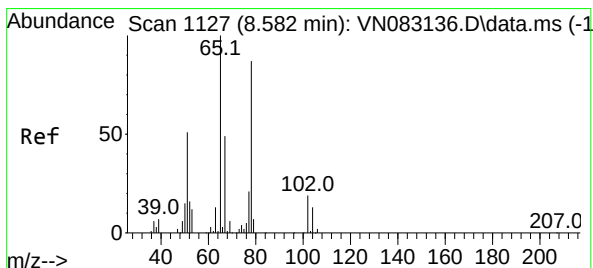
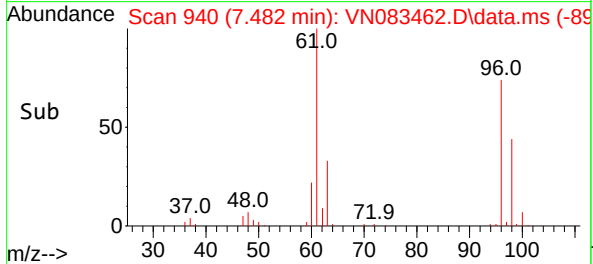
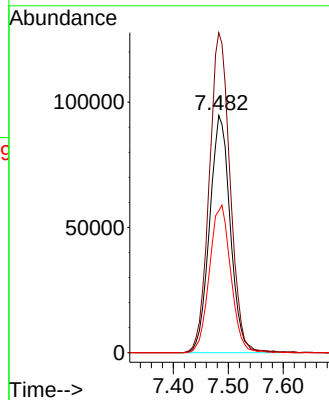
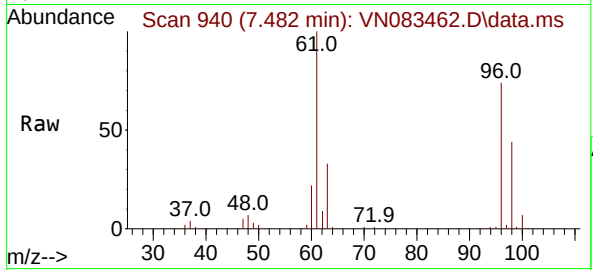




#27
cis-1,2-Dichloroethene
Concen: 146.087 ug/l
RT: 7.482 min Scan# 941
Delta R.T. -0.006 min
Lab File: VN083462.D
Acq: 23 Aug 2024 15:55

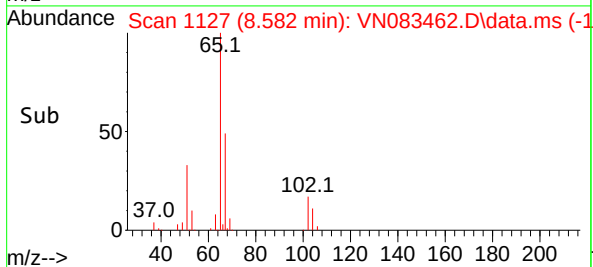
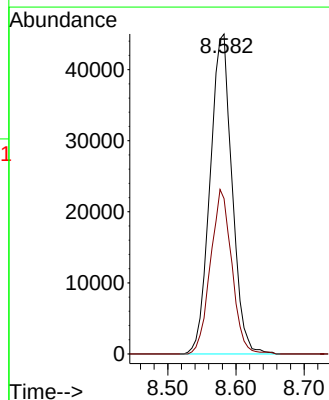
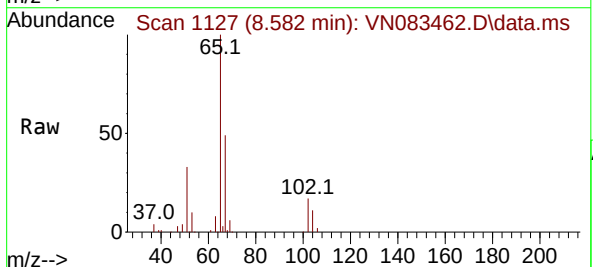
Instrument :
MSVOA_N
ClientSampleId :
1048-MW-01(23)

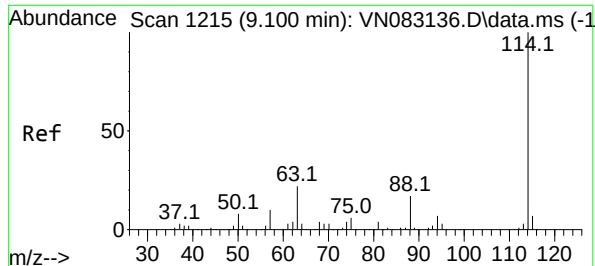
Tgt Ion: 96 Resp: 247981
Ion Ratio Lower Upper
96 100
61 135.5 0.0 329.6
98 64.0 0.0 128.6



#33
1,2-Dichloroethane-d4
Concen: 57.760 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN083462.D
Acq: 23 Aug 2024 15:55

Tgt Ion: 65 Resp: 100945
Ion Ratio Lower Upper
65 100
67 50.0 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN083462.D

Acq: 23 Aug 2024 15:55

Instrument :

MSVOA_N

ClientSampleId :

1048-MW-01(23)

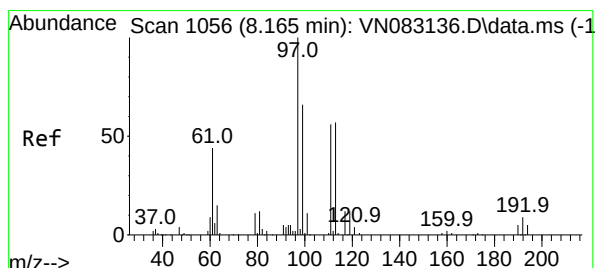
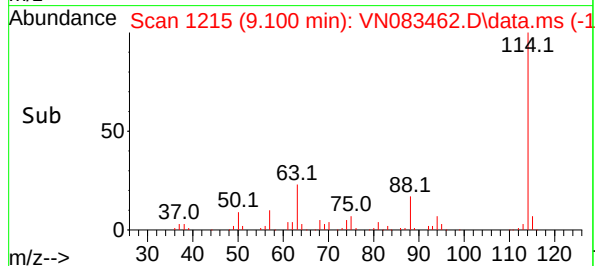
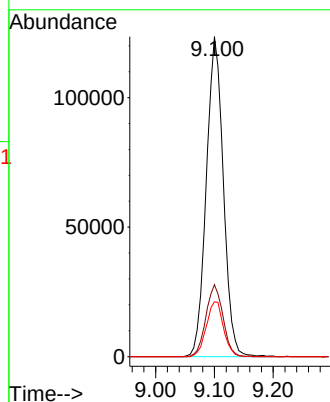
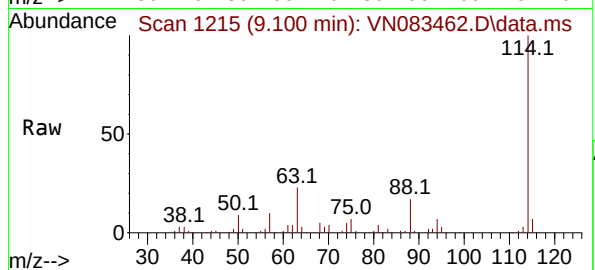
Tgt Ion:114 Resp: 249387

Ion Ratio Lower Upper

114 100

63 22.5 0.0 44.6

88 17.2 0.0 31.4



#35

Dibromofluoromethane

Concen: 51.061 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN083462.D

Acq: 23 Aug 2024 15:55

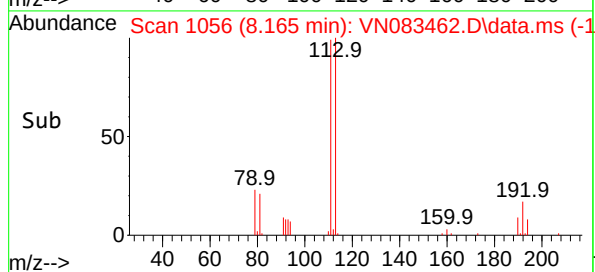
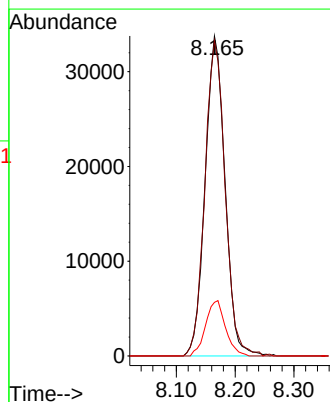
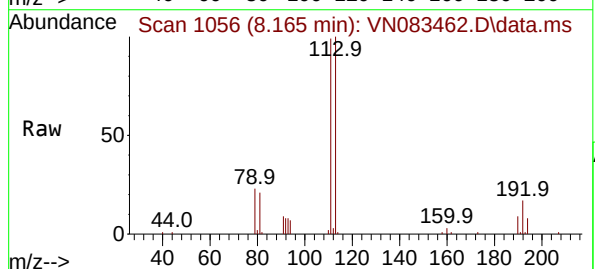
Tgt Ion:113 Resp: 79482

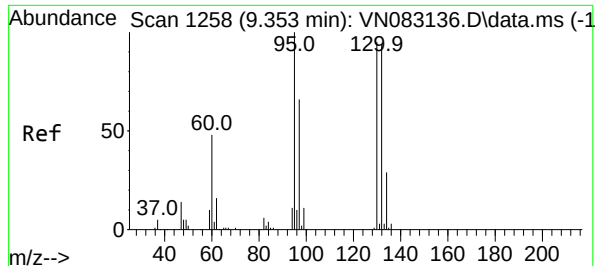
Ion Ratio Lower Upper

113 100

111 100.4 82.4 123.6

192 17.3 14.9 22.3





#44

Trichloroethene

Concen: 126.597 ug/l

RT: 9.353 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN083462.D

Acq: 23 Aug 2024 15:55

Instrument :

MSVOA_N

ClientSampleId :

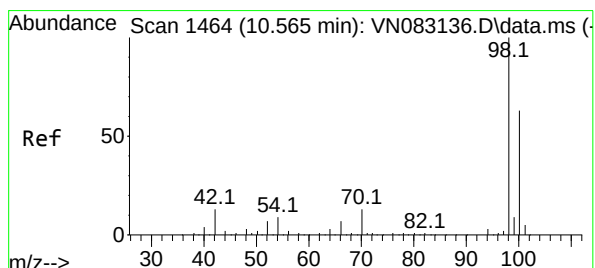
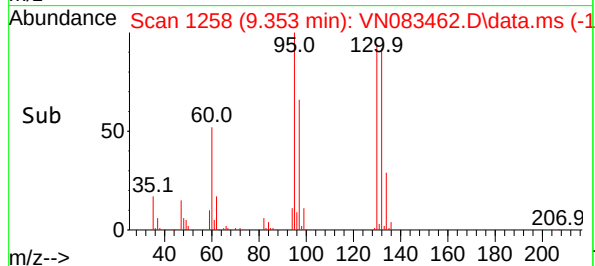
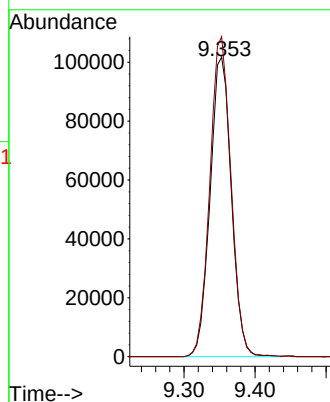
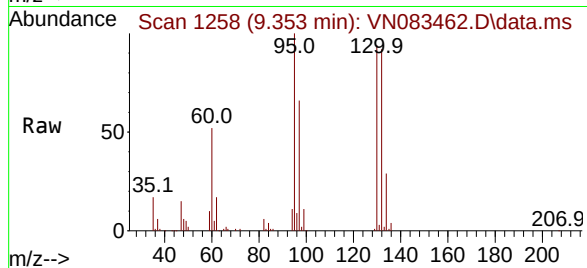
1048-MW-01(23)

Tgt Ion:130 Resp: 211377

Ion Ratio Lower Upper

130 100

95 106.8 0.0 197.8



#50

Toluene-d8

Concen: 48.829 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN083462.D

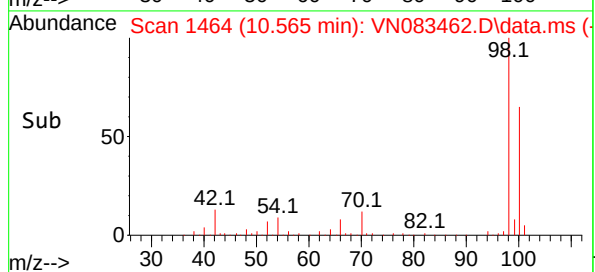
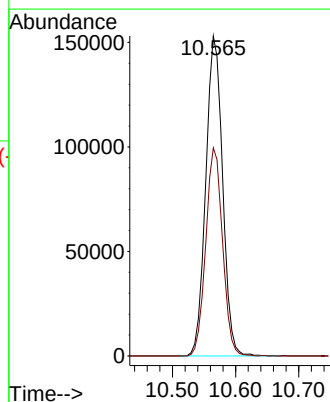
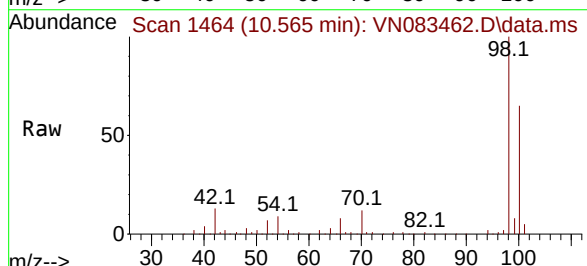
Acq: 23 Aug 2024 15:55

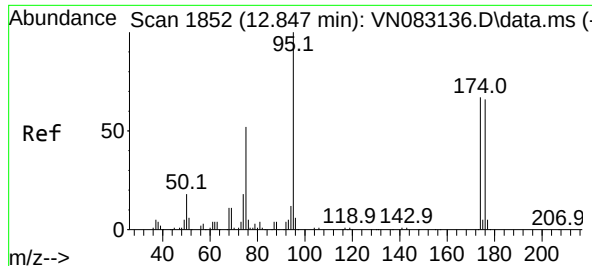
Tgt Ion: 98 Resp: 283527

Ion Ratio Lower Upper

98 100

100 64.8 51.5 77.3





#62

4-Bromofluorobenzene

Concen: 61.979 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.006 min

Lab File: VN083462.D

Acq: 23 Aug 2024 15:55

Instrument :

MSVOA_N

ClientSampleId :

1048-MW-01(23)

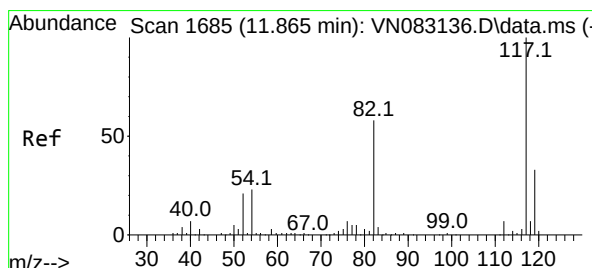
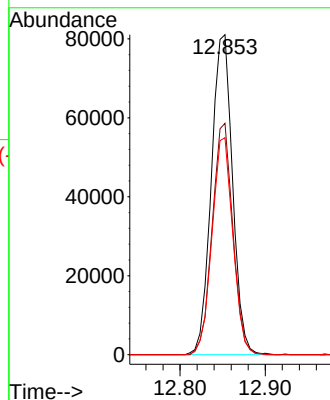
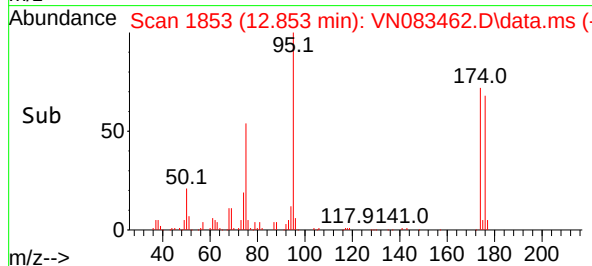
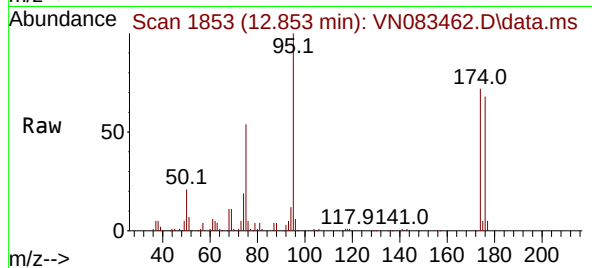
Tgt Ion: 95 Resp: 140304

Ion Ratio Lower Upper

95 100

174 70.6 0.0 159.2

176 66.8 0.0 147.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1685

Delta R.T. -0.000 min

Lab File: VN083462.D

Acq: 23 Aug 2024 15:55

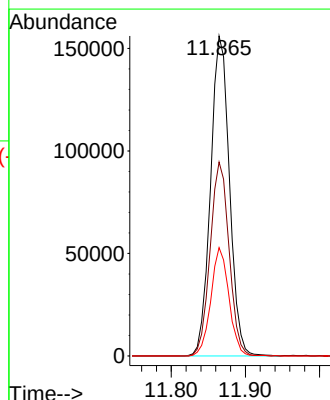
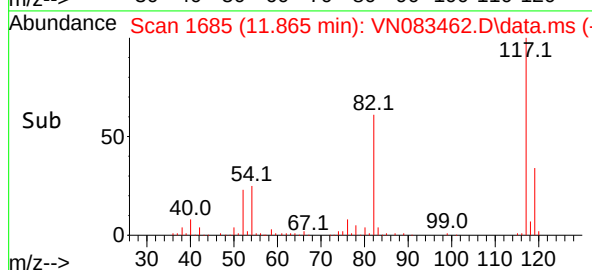
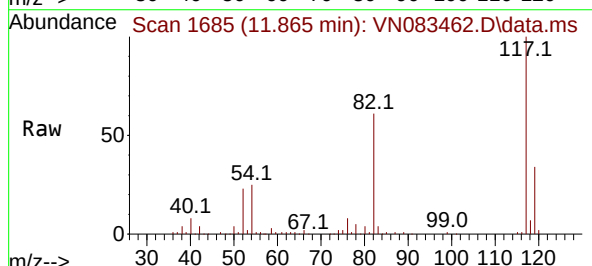
Tgt Ion: 117 Resp: 276626

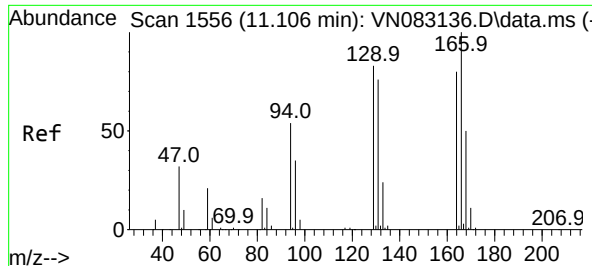
Ion Ratio Lower Upper

117 100

82 60.6 47.5 71.3

119 33.9 25.6 38.4





#64

Tetrachloroethene

Concen: 911.249 ug/l

RT: 11.106 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN083462.D

Acq: 23 Aug 2024 15:55

Instrument :

MSVOA_N

ClientSampleId :

1048-MW-01(23)

Tgt Ion:164 Resp: 1669432

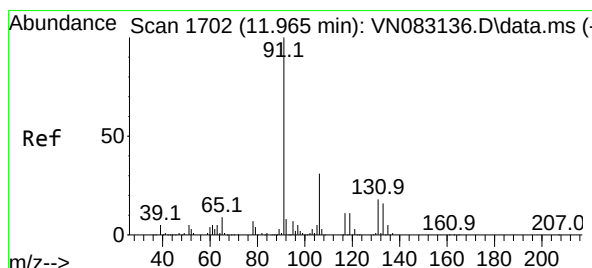
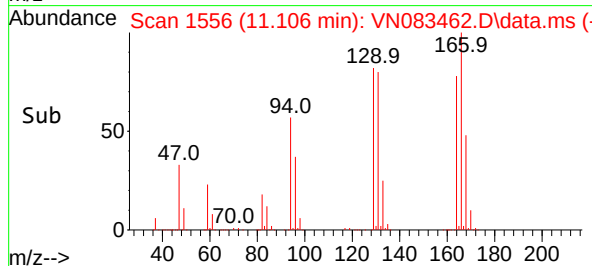
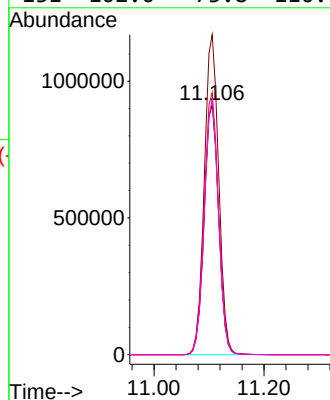
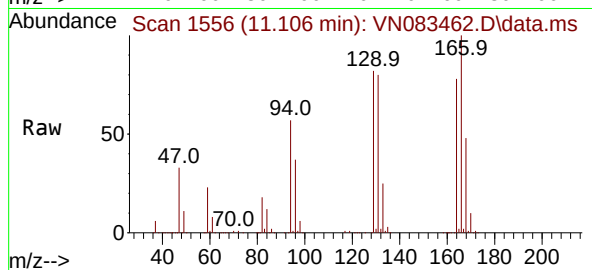
Ion Ratio Lower Upper

164 100

166 128.1 101.4 152.0

129 104.8 75.7 113.5

131 102.0 73.8 110.6



#67

Ethyl Benzene

Concen: 0.349 ug/l

RT: 11.970 min Scan# 1703

Delta R.T. 0.006 min

Lab File: VN083462.D

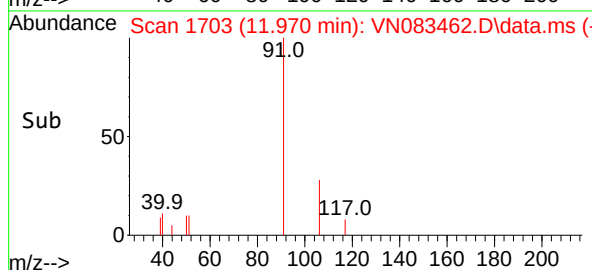
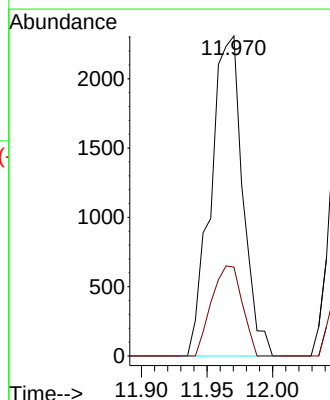
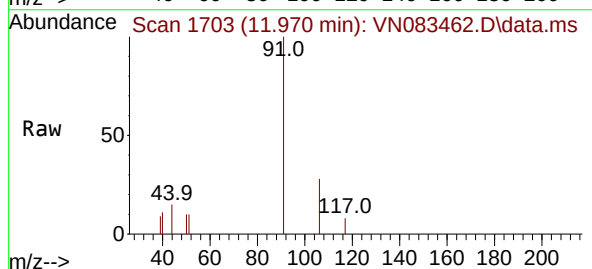
Acq: 23 Aug 2024 15:55

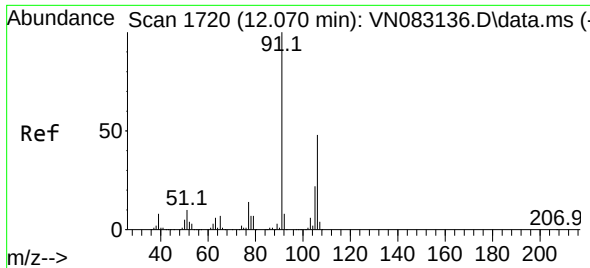
Tgt Ion: 91 Resp: 3909

Ion Ratio Lower Upper

91 100

106 27.8 24.0 36.0

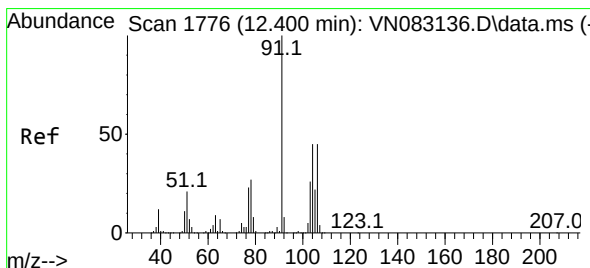
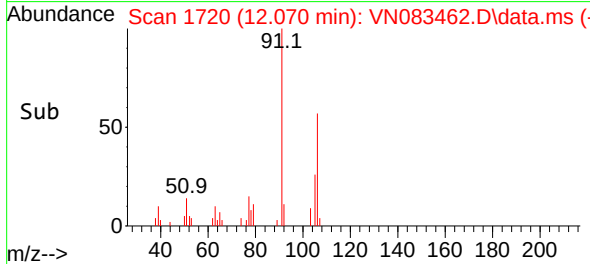
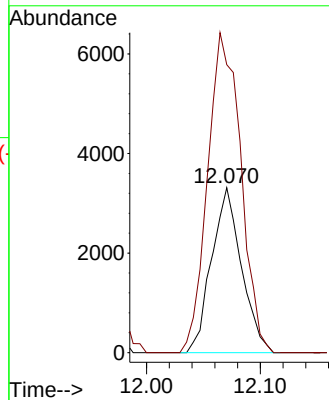
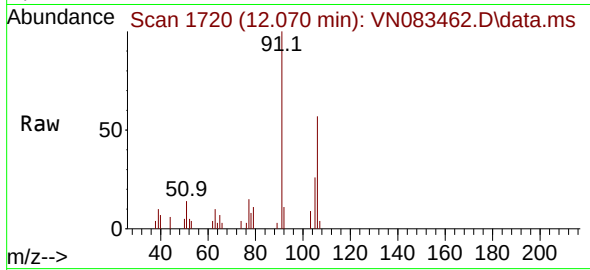




#68
m/p-Xylenes
Concen: 1.442 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN083462.D
Acq: 23 Aug 2024 15:55

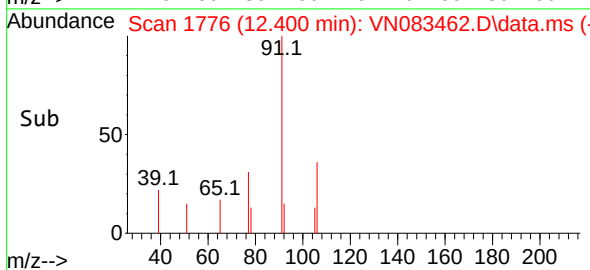
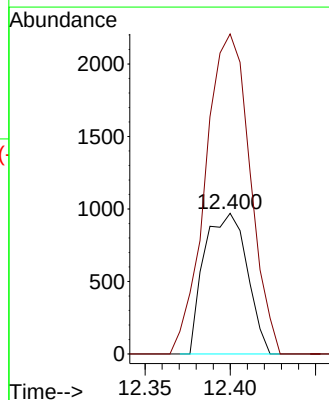
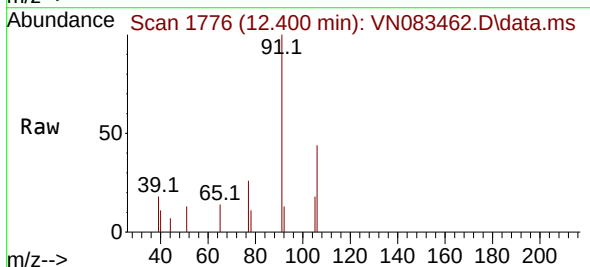
Instrument :
MSVOA_N
ClientSampleId :
1048-MW-01(23)

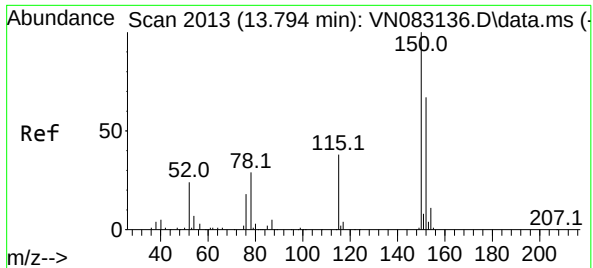
Tgt Ion	106	Resp:	6058
Ion	Ratio	Lower	Upper
106	100		
91	215.4	166.1	249.1



#69
o-Xylene
Concen: 0.409 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. -0.000 min
Lab File: VN083462.D
Acq: 23 Aug 2024 15:55

Tgt Ion	106	Resp:	1693
Ion	Ratio	Lower	Upper
106	100		
91	237.0	111.3	333.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 20

Delta R.T. -0.000 min

Lab File: VN083462.D

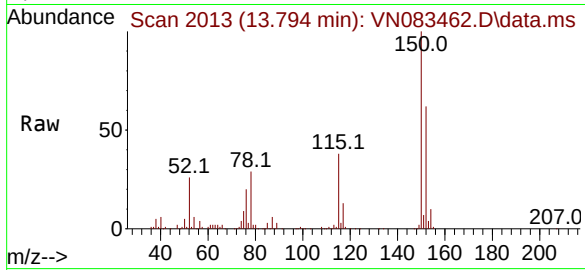
Acq: 23 Aug 2024 15:55

Instrument :

MSVOA_N

ClientSampleId :

1048-MW-01(23)



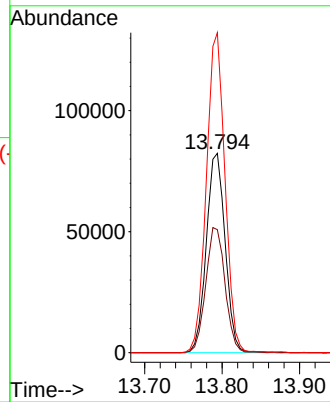
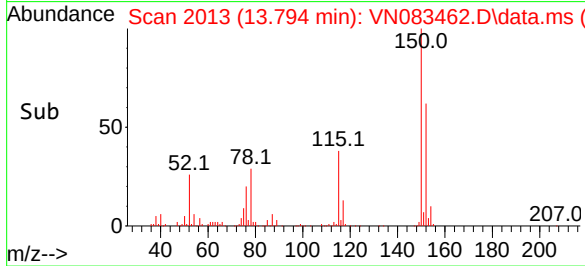
Tgt Ion:152 Resp: 139204

Ion Ratio Lower Upper

152 100

115 64.3 30.6 91.6

150 158.1 0.0 348.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082324\
Data File : VN083462.D
Acq On : 23 Aug 2024 15:55
Operator : JC\MD
Sample : P3716-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
1048-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\82N080724W.M
Title : SW846 8260

Signal : TIC: VN083462.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.488	928	941	960	rBV	420610	1117274	7.91%	5.248%
2	8.165	1047	1056	1061	rBV2	109533	267168	1.89%	1.255%
3	8.224	1061	1066	1077	rVB	176527	388210	2.75%	1.824%
4	8.577	1118	1126	1134	rBV	118280	263880	1.87%	1.240%
5	9.100	1207	1215	1227	rVB	304862	613618	4.34%	2.882%
6	9.353	1248	1258	1273	rVB	626357	1254844	8.89%	5.894%
7	10.565	1456	1464	1473	rBV	411111	771726	5.46%	3.625%
8	11.106	1547	1556	1573	rBV	7755499	14122855	100.00%	66.339%
9	11.865	1676	1685	1697	rBV	509033	895153	6.34%	4.205%
10	12.847	1845	1852	1867	rVB	397155	683667	4.84%	3.211%
11	13.794	2005	2013	2022	rBV	537252	910586	6.45%	4.277%

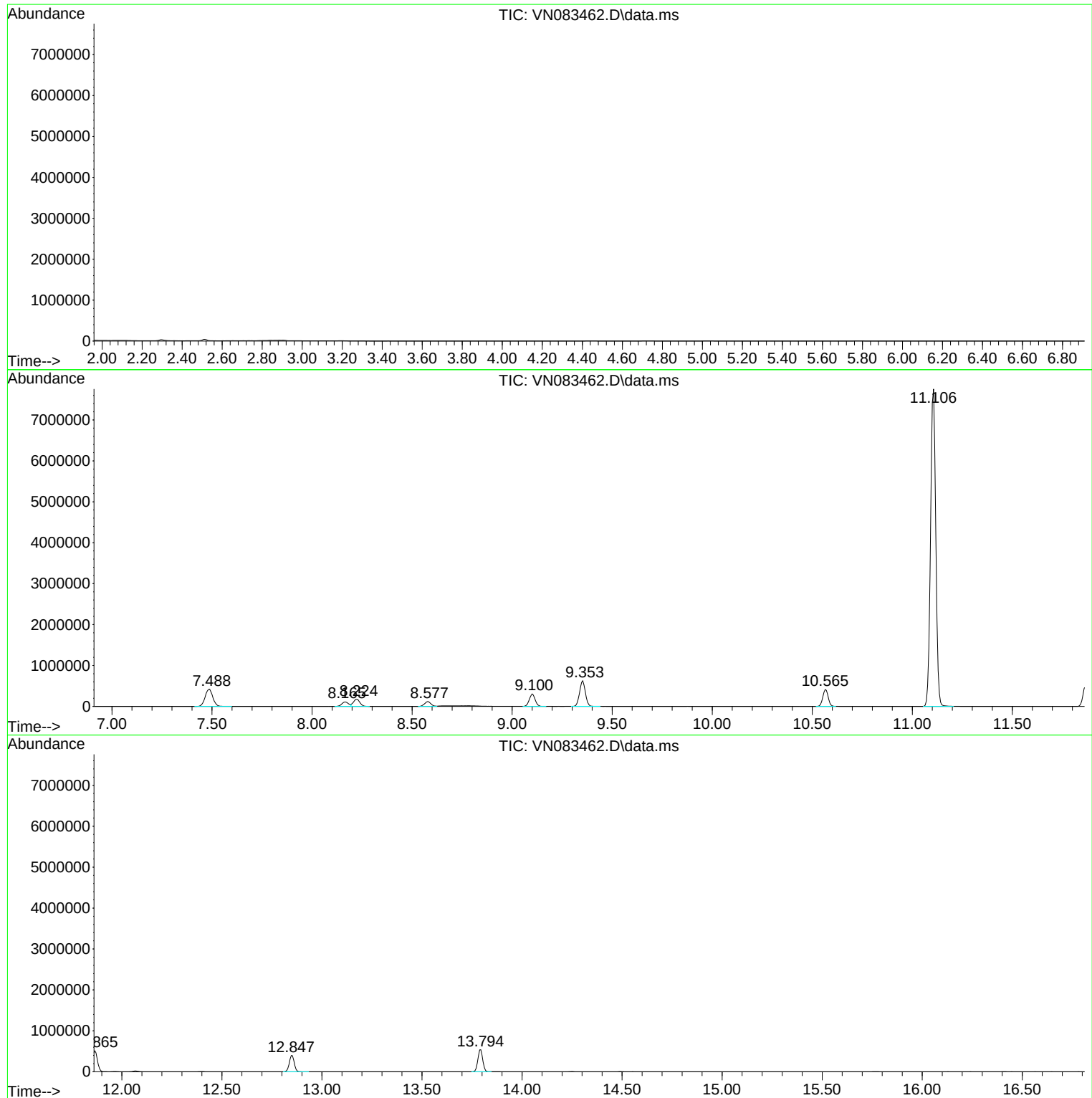
Sum of corrected areas: 21288981

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082324\
Data File : VN083462.D
Acq On : 23 Aug 2024 15:55
Operator : JC\MD
Sample : P3716-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
1048-MW-01(23)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082324\
Data File : VN083462.D
Acq On : 23 Aug 2024 15:55
Operator : JC\MD
Sample : P3716-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
1048-MW-01(23)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082324\
Data File : VN083462.D
Acq On : 23 Aug 2024 15:55
Operator : JC\MD
Sample : P3716-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
1048-MW-01(23)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
Quant Title : SW846 8260

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

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

Report of Analysis

Client:	Day Environmental, Inc.		Date Collected:	08/20/24	
Project:	NYSDEC Andrews St Site #E828144		Date Received:	08/22/24	
Client Sample ID:	1048-MW-01(23)DL		SDG No.:	P3716	
Lab Sample ID:	P3716-01DL		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
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	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN083478.D	20		08/26/24 13:19	VN082624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	20.0	UD	4.20	20.0	ug/L
74-87-3	Chloromethane	20.0	UD	7.00	20.0	ug/L
75-01-4	Vinyl Chloride	20.0	UD	6.80	20.0	ug/L
74-83-9	Bromomethane	100	UD	27.2	100	ug/L
75-00-3	Chloroethane	20.0	UD	11.2	20.0	ug/L
75-69-4	Trichlorofluoromethane	20.0	UD	6.80	20.0	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	20.0	UD	5.00	20.0	ug/L
75-35-4	1,1-Dichloroethene	20.0	UD	5.20	20.0	ug/L
67-64-1	Acetone	100	UD	27.8	100	ug/L
75-15-0	Carbon Disulfide	20.0	UD	6.40	20.0	ug/L
1634-04-4	Methyl tert-butyl Ether	20.0	UD	3.20	20.0	ug/L
79-20-9	Methyl Acetate	20.0	UD	12.0	20.0	ug/L
75-09-2	Methylene Chloride	20.0	UD	6.40	20.0	ug/L
156-60-5	trans-1,2-Dichloroethene	20.0	UD	5.00	20.0	ug/L
75-34-3	1,1-Dichloroethane	20.0	UD	4.60	20.0	ug/L
110-82-7	Cyclohexane	100	UD	32.4	100	ug/L
78-93-3	2-Butanone	100	UD	26.0	100	ug/L
56-23-5	Carbon Tetrachloride	20.0	UD	5.00	20.0	ug/L
156-59-2	cis-1,2-Dichloroethene	140	D	5.00	20.0	ug/L
74-97-5	Bromochloromethane	20.0	UD	3.60	20.0	ug/L
67-66-3	Chloroform	20.0	UD	5.20	20.0	ug/L
71-55-6	1,1,1-Trichloroethane	20.0	UD	3.80	20.0	ug/L
108-87-2	Methylcyclohexane	20.0	UD	3.80	20.0	ug/L
71-43-2	Benzene	20.0	UD	3.20	20.0	ug/L
107-06-2	1,2-Dichloroethane	20.0	UDQ	4.80	20.0	ug/L
79-01-6	Trichloroethene	110	D	6.40	20.0	ug/L
78-87-5	1,2-Dichloropropane	20.0	UD	3.80	20.0	ug/L
75-27-4	Bromodichloromethane	20.0	UD	4.80	20.0	ug/L
108-10-1	4-Methyl-2-Pentanone	100	UD	15.0	100	ug/L
108-88-3	Toluene	20.0	UD	3.60	20.0	ug/L

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	08/20/24
Project:	NYSDEC Andrews St Site #E828144	Date Received:	08/22/24
Client Sample ID:	1048-MW-01(23)DL	SDG No.:	P3716
Lab Sample ID:	P3716-01DL	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
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
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN083478.D	20		08/26/24 13:19	VN082624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	20.0	UD	4.20	20.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.0	UD	3.60	20.0	ug/L
79-00-5	1,1,2-Trichloroethane	20.0	UDQ	4.20	20.0	ug/L
591-78-6	2-Hexanone	100	UD	22.6	100	ug/L
124-48-1	Dibromochloromethane	20.0	UD	3.60	20.0	ug/L
106-93-4	1,2-Dibromoethane	20.0	UD	3.20	20.0	ug/L
127-18-4	Tetrachloroethene	820	D	5.00	20.0	ug/L
108-90-7	Chlorobenzene	20.0	UD	2.60	20.0	ug/L
100-41-4	Ethyl Benzene	20.0	UD	3.20	20.0	ug/L
179601-23-1	m/p-Xylenes	40.0	UD	6.20	40.0	ug/L
95-47-6	o-Xylene	20.0	UD	2.80	20.0	ug/L
100-42-5	Styrene	20.0	UD	3.20	20.0	ug/L
75-25-2	Bromoform	20.0	UD	4.20	20.0	ug/L
98-82-8	Isopropylbenzene	20.0	UD	2.60	20.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.0	UD	5.40	20.0	ug/L
541-73-1	1,3-Dichlorobenzene	20.0	UD	4.80	20.0	ug/L
106-46-7	1,4-Dichlorobenzene	20.0	UD	5.40	20.0	ug/L
95-50-1	1,2-Dichlorobenzene	20.0	UD	3.80	20.0	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	20.0	UD	9.20	20.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	20.0	UD	8.40	20.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	20.0	UD	10.2	20.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	57.2		74 - 125	114%	SPK: 50
1868-53-7	Dibromofluoromethane	52.9		75 - 124	106%	SPK: 50
2037-26-5	Toluene-d8	49.7		86 - 113	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	57.7		77 - 121	115%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	124000	8.224			
540-36-3	1,4-Difluorobenzene	251000	9.1			
3114-55-4	Chlorobenzene-d5	272000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	127000	13.794			

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	08/20/24
Project:	NYSDEC Andrews St Site #E828144	Date Received:	08/22/24
Client Sample ID:	1048-MW-01(23)DL	SDG No.:	P3716
Lab Sample ID:	P3716-01DL	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
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
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN083478.D	20		08/26/24 13:19	VN082624

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\VN082624\
Data File : VN083478.D
Acq On : 26 Aug 2024 13:19
Operator : JC\MD
Sample : P3716-01DL 20X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
1048-MW-01(23)DL

Quant Time: Aug 27 01:54:56 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 08 06:30:41 2024
Response via : Initial Calibration

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

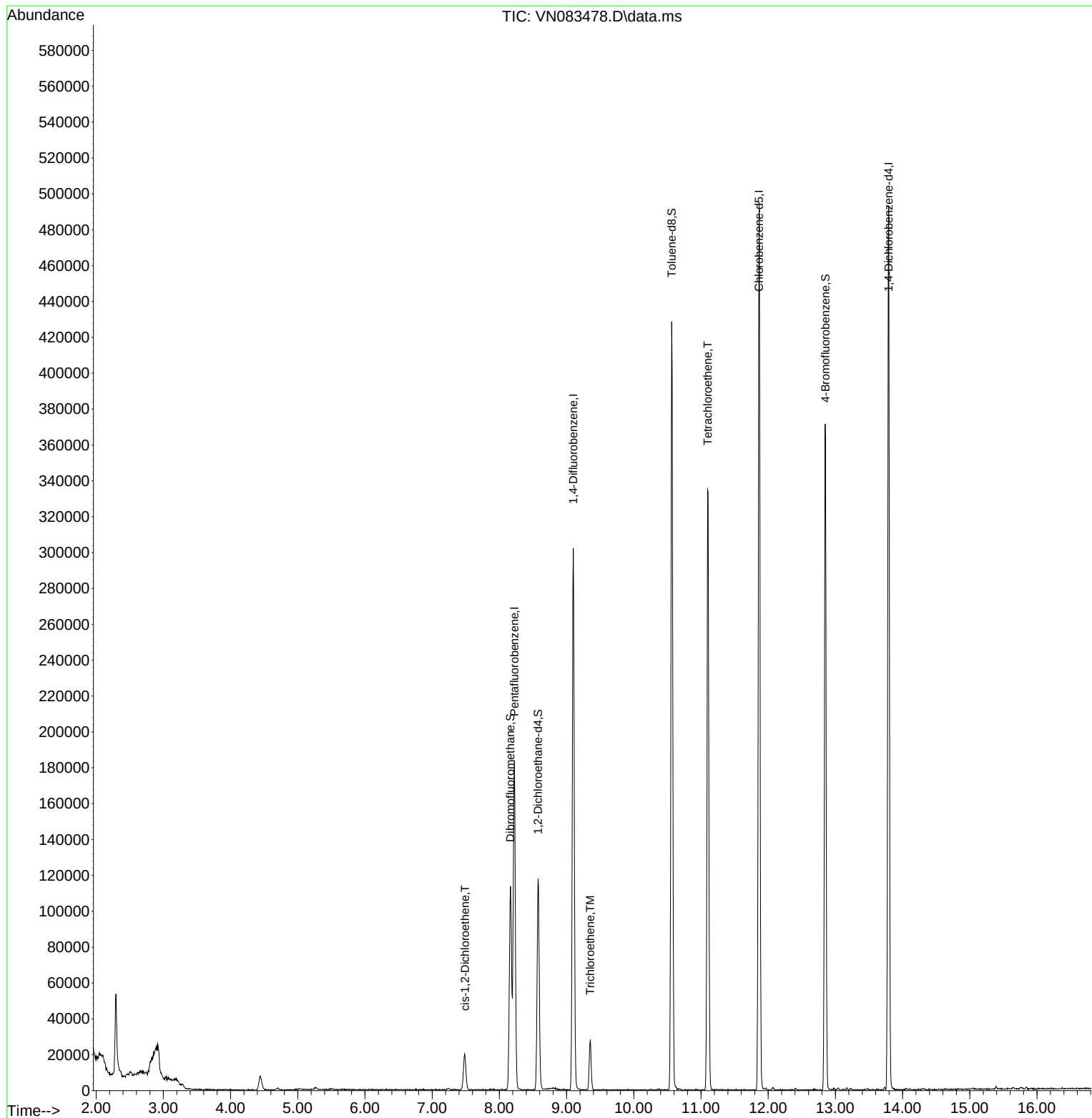
Internal Standards						
1) Pentafluorobenzene	8.224	168	124172	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	251230	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	271737	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	126876	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	101043	57.169	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	114.340%	
35) Dibromofluoromethane	8.165	113	82936	52.889	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	105.780%	
50) Toluene-d8	10.565	98	290759	49.707	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	99.420%	
62) 4-Bromofluorobenzene	12.853	95	131558	57.689	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	=	115.380%	
Target Compounds						
						Qvalue
27) cis-1,2-Dichloroethene	7.488	96	11994	6.987	ug/l	82
44) Trichloroethene	9.353	130	9461	5.625	ug/l	89
64) Tetrachloroethene	11.100	164	73882	41.054	ug/l	96

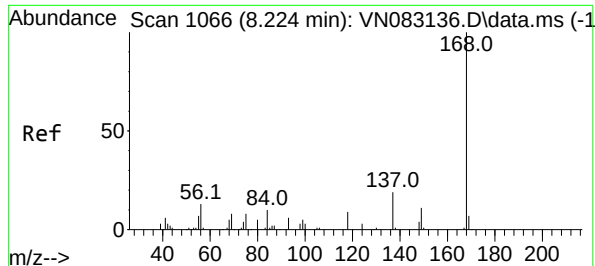
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082624\
Data File : VN083478.D
Acq On : 26 Aug 2024 13:19
Operator : JC\MD
Sample : P3716-01DL 20X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
1048-MW-01(23)DL

Quant Time: Aug 27 01:54:56 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 08 06:30:41 2024
Response via : Initial Calibration

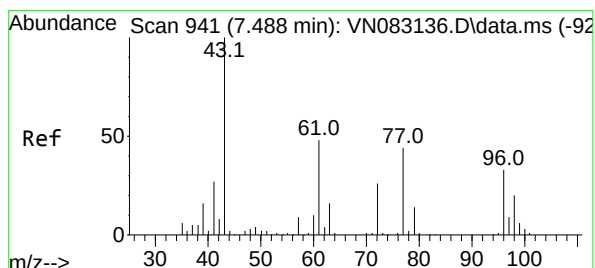
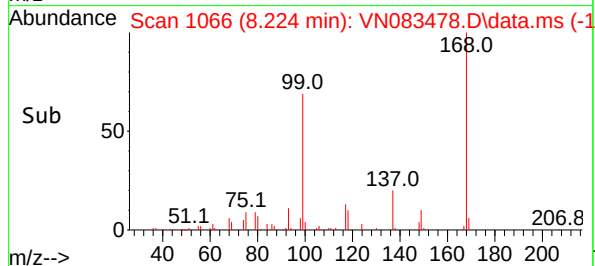
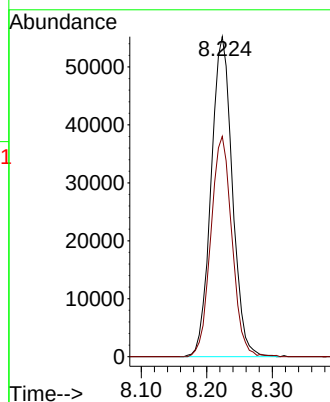
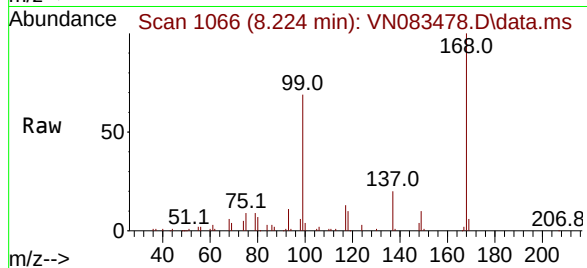




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083478.D
Acq: 26 Aug 2024 13:19

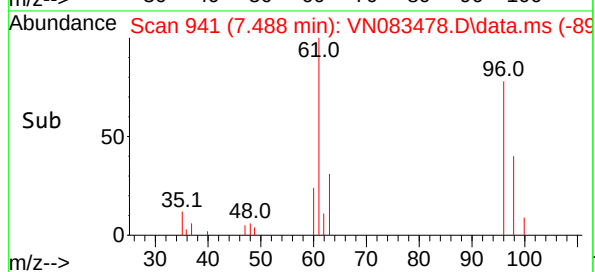
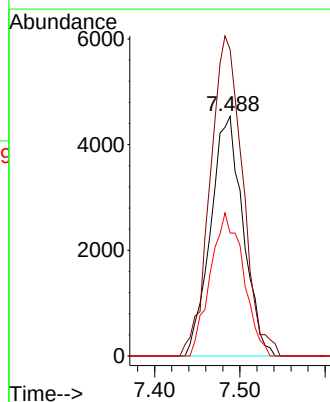
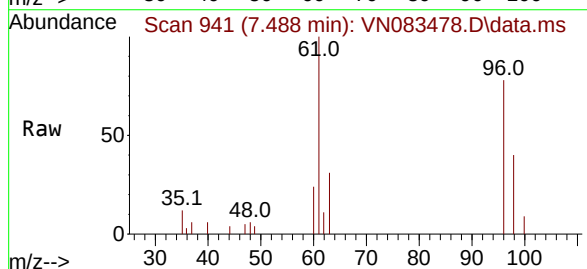
Instrument :
MSVOA_N
ClientSampleId :
1048-MW-01(23)DL

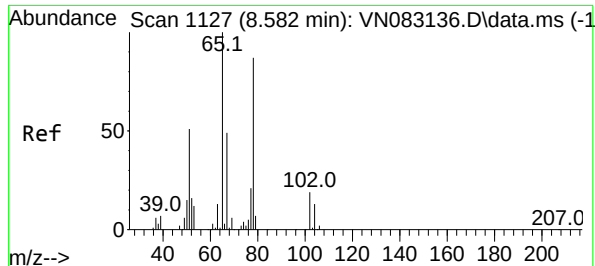
Tgt Ion:168 Resp: 124172
Ion Ratio Lower Upper
168 100
99 68.9 48.2 72.4



#27
cis-1,2-Dichloroethene
Concen: 6.987 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN083478.D
Acq: 26 Aug 2024 13:19

Tgt Ion: 96 Resp: 11994
Ion Ratio Lower Upper
96 100
61 133.4 0.0 329.6
98 60.7 0.0 128.6





#33

1,2-Dichloroethane-d4

Concen: 57.169 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.005 min

Lab File: VN083478.D

Acq: 26 Aug 2024 13:19

Instrument :

MSVOA_N

ClientSampleId :

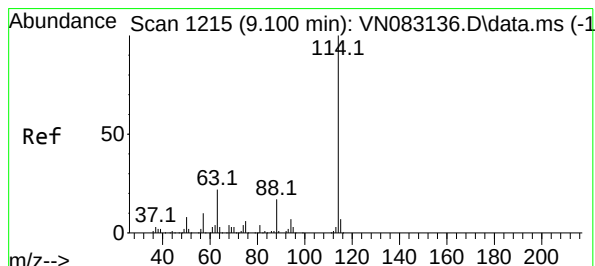
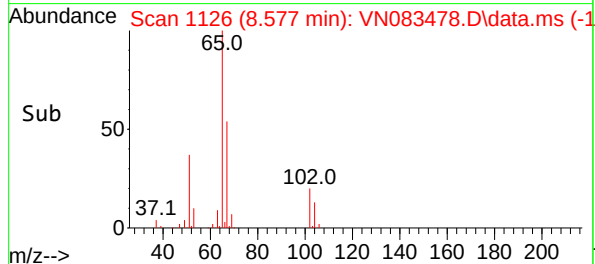
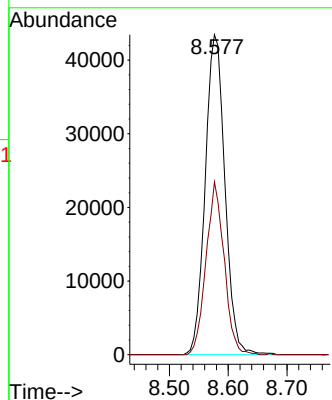
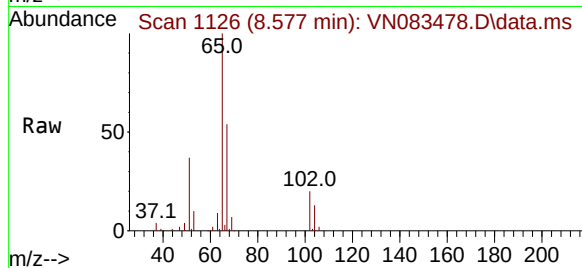
1048-MW-01(23)DL

Tgt Ion: 65 Resp: 101043

Ion Ratio Lower Upper

65 100

67 49.8 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN083478.D

Acq: 26 Aug 2024 13:19

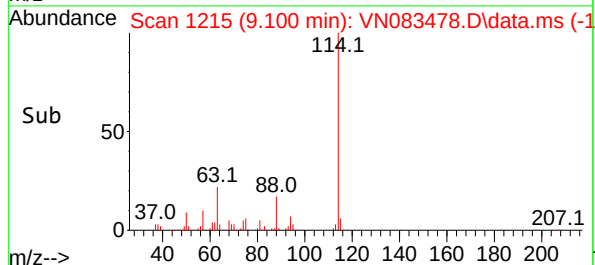
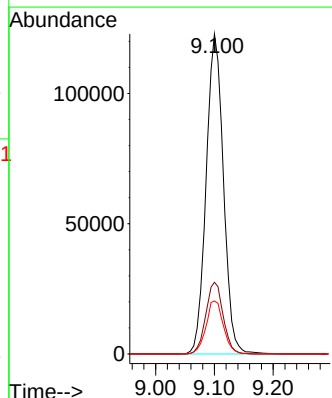
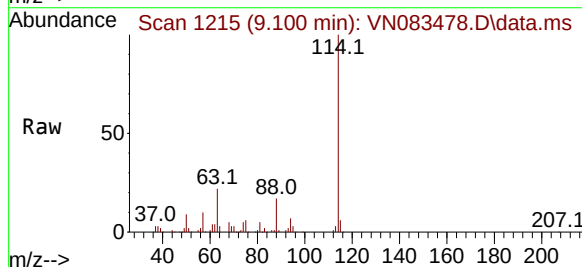
Tgt Ion: 114 Resp: 251230

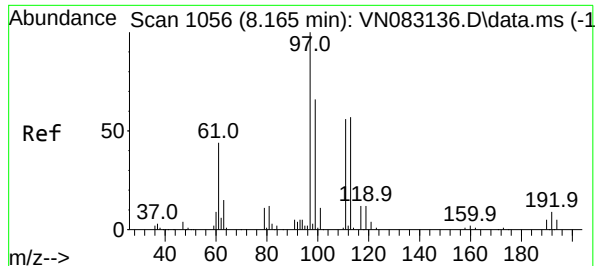
Ion Ratio Lower Upper

114 100

63 22.4 0.0 44.6

88 16.5 0.0 31.4





#35

Dibromofluoromethane

Concen: 52.889 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN083478.D

Acq: 26 Aug 2024 13:19

Instrument :

MSVOA_N

ClientSampleId :

1048-MW-01(23)DL

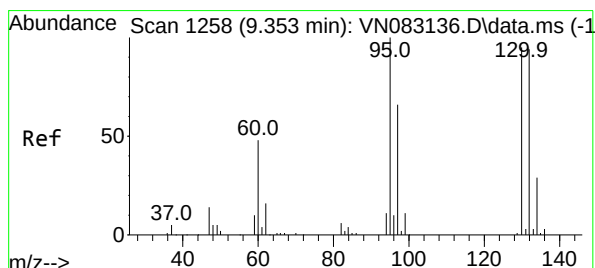
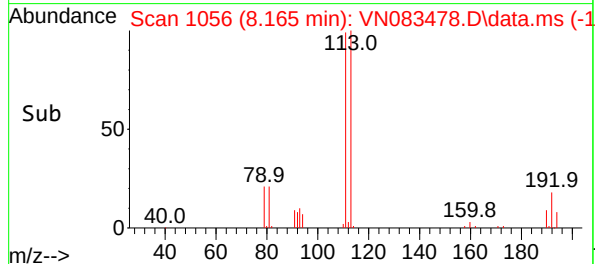
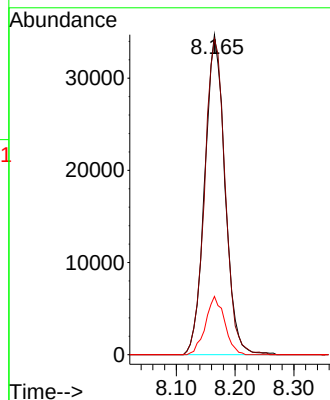
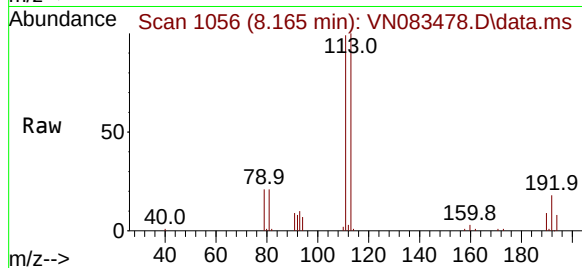
Tgt Ion:113 Resp: 82936

Ion Ratio Lower Upper

113 100

111 99.9 82.4 123.6

192 17.2 14.9 22.3



#44

Trichloroethene

Concen: 5.625 ug/l

RT: 9.353 min Scan# 1258

Delta R.T. 0.000 min

Lab File: VN083478.D

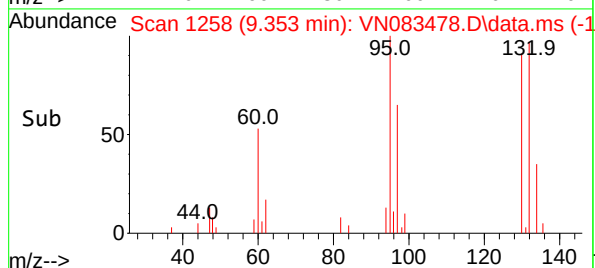
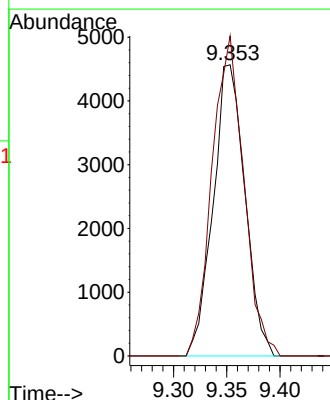
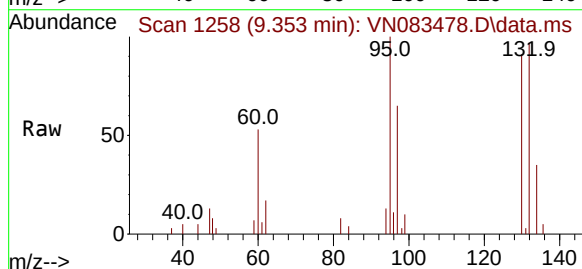
Acq: 26 Aug 2024 13:19

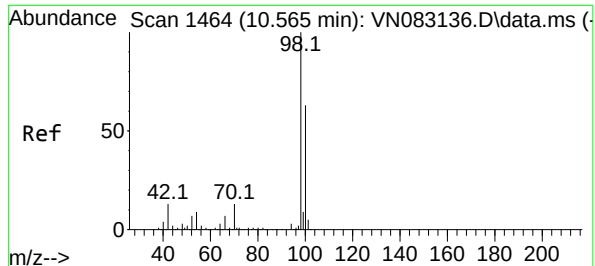
Tgt Ion:130 Resp: 9461

Ion Ratio Lower Upper

130 100

95 109.9 0.0 197.8





#50

Toluene-d8

Concen: 49.707 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN083478.D

Acq: 26 Aug 2024 13:19

Instrument :

MSVOA_N

ClientSampleId :

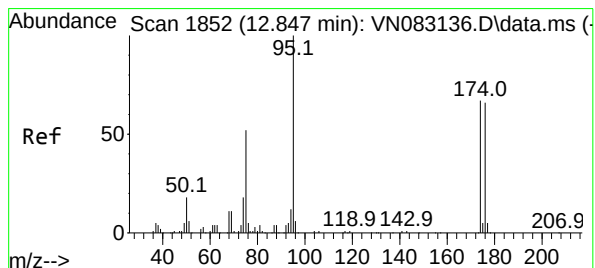
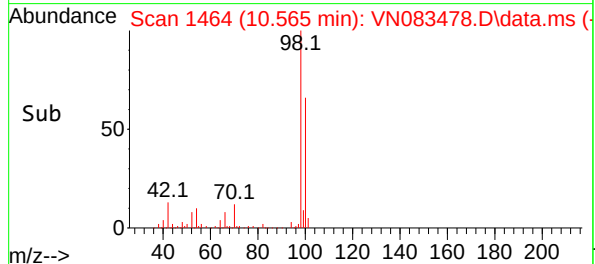
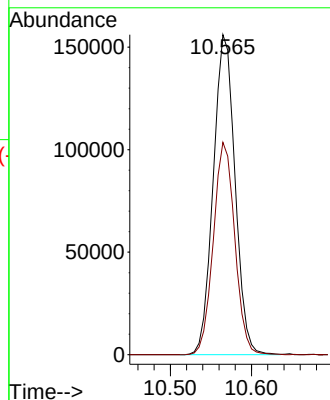
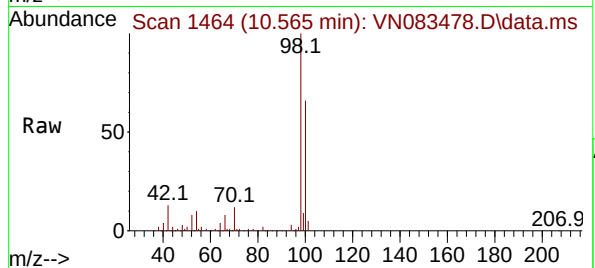
1048-MW-01(23)DL

Tgt Ion: 98 Resp: 290759

Ion Ratio Lower Upper

98 100

100 65.4 51.5 77.3



#62

4-Bromofluorobenzene

Concen: 57.689 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.006 min

Lab File: VN083478.D

Acq: 26 Aug 2024 13:19

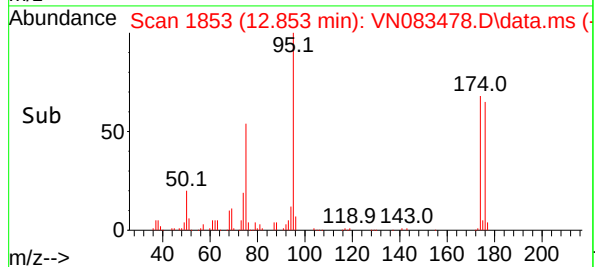
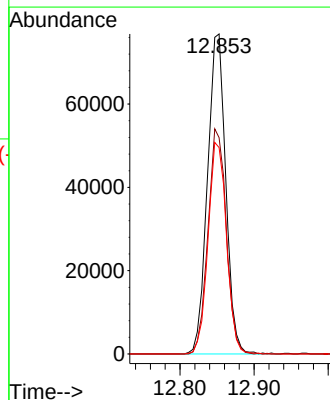
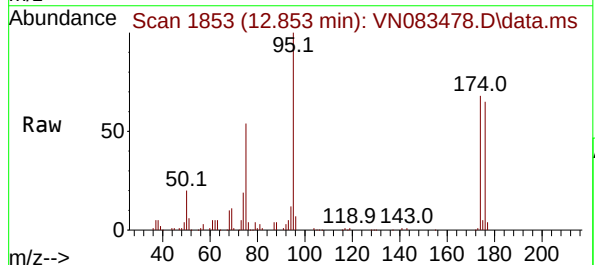
Tgt Ion: 95 Resp: 131558

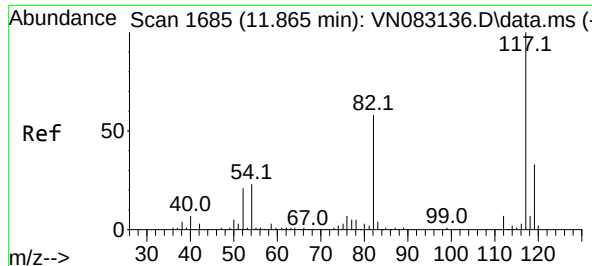
Ion Ratio Lower Upper

95 100

174 70.5 0.0 159.2

176 66.6 0.0 147.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN083478.D

Acq: 26 Aug 2024 13:19

Instrument :

MSVOA_N

ClientSampleId :

1048-MW-01(23)DL

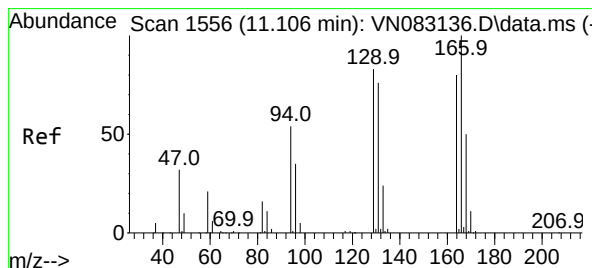
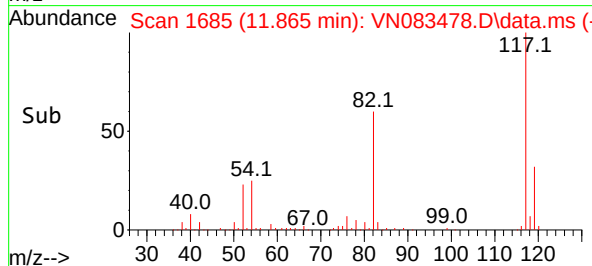
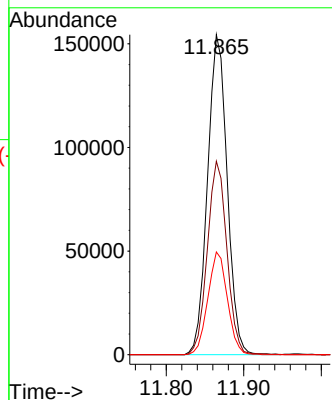
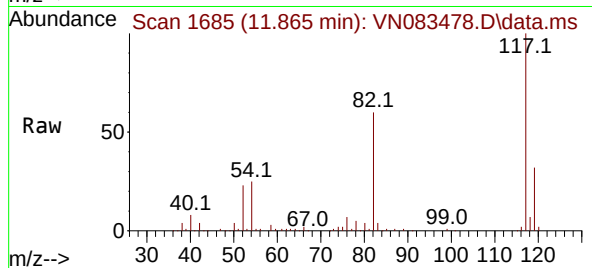
Tgt Ion:117 Resp: 271737

Ion Ratio Lower Upper

117 100

82 60.5 47.5 71.3

119 32.1 25.6 38.4



#64

Tetrachloroethene

Concen: 41.054 ug/l

RT: 11.100 min Scan# 1555

Delta R.T. -0.006 min

Lab File: VN083478.D

Acq: 26 Aug 2024 13:19

Tgt Ion:164 Resp: 73882

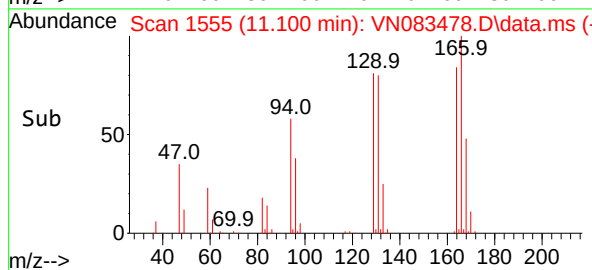
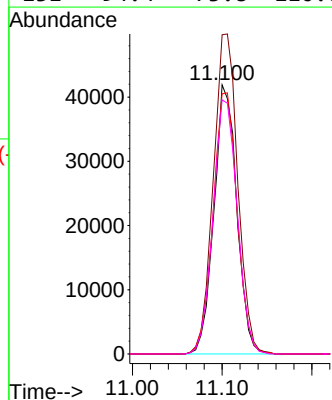
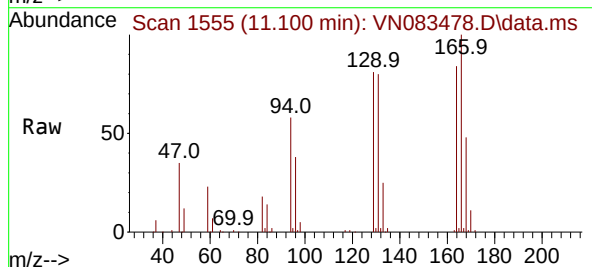
Ion Ratio Lower Upper

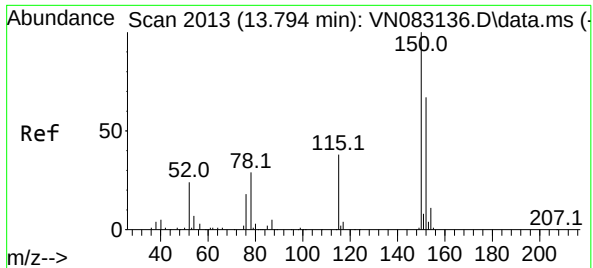
164 100

166 118.6 101.4 152.0

129 96.7 75.7 113.5

131 94.4 73.8 110.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 20

Delta R.T. -0.000 min

Lab File: VN083478.D

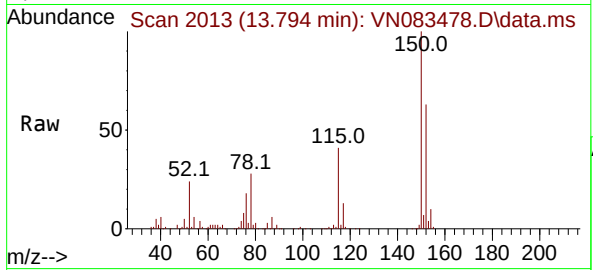
Acq: 26 Aug 2024 13:19

Instrument :

MSVOA_N

ClientSampleId :

1048-MW-01(23)DL



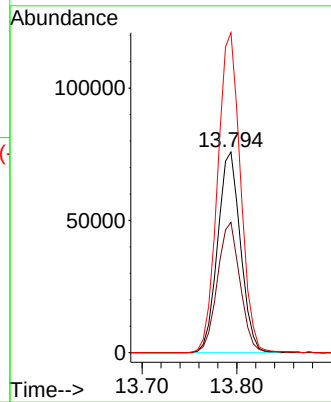
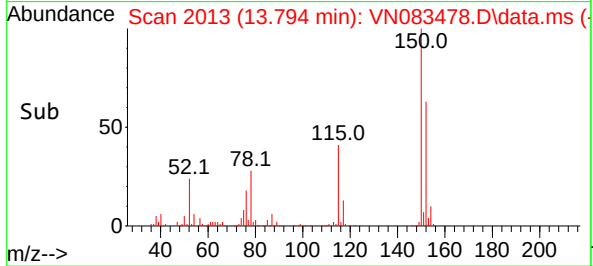
Tgt Ion:152 Resp: 126876

Ion Ratio Lower Upper

152 100

115 64.8 30.6 91.6

150 160.1 0.0 348.6



Report of Analysis

Client:	Day Environmental, Inc.		Date Collected:	08/20/24	
Project:	NYSDEC Andrews St Site #E828144		Date Received:	08/22/24	
Client Sample ID:	1049-MW-02(23.8)		SDG No.:	P3716	
Lab Sample ID:	P3716-02		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
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	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN083467.D	1		08/23/24 17:56	VN082324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.21	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.35	1.00	ug/L
75-01-4	Vinyl Chloride	4.60		0.34	1.00	ug/L
74-83-9	Bromomethane	5.00	U	1.40	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.26	1.00	ug/L
67-64-1	Acetone	5.00	U	1.40	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	1.80		0.60	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	UQ	0.23	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.60	5.00	ug/L
78-93-3	2-Butanone	5.00	U	1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	34.7		0.25	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.18	1.00	ug/L
67-66-3	Chloroform	1.00	UQ	0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	UQ	0.19	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.19	1.00	ug/L
71-43-2	Benzene	1.00	UQ	0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	UQ	0.24	1.00	ug/L
79-01-6	Trichloroethene	31.0		0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	UQ	0.19	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.75	5.00	ug/L
108-88-3	Toluene	1.00	U	0.18	1.00	ug/L

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	08/20/24
Project:	NYSDEC Andrews St Site #E828144	Date Received:	08/22/24
Client Sample ID:	1049-MW-02(23.8)	SDG No.:	P3716
Lab Sample ID:	P3716-02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
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
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN083467.D	1		08/23/24 17:56	VN082324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	1.00	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	1.10	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	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	50.5		0.25	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.13	1.00	ug/L
100-41-4	Ethyl Benzene	0.28	J	0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	1.50	J	0.31	2.00	ug/L
95-47-6	o-Xylene	0.35	J	0.14	1.00	ug/L
100-42-5	Styrene	1.00	U	0.16	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.21	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	58.4		74 - 125	117%	SPK: 50
1868-53-7	Dibromofluoromethane	50.0		75 - 124	100%	SPK: 50
2037-26-5	Toluene-d8	48.2		86 - 113	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	57.6		77 - 121	115%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	122000	8.224			
540-36-3	1,4-Difluorobenzene	255000	9.1			
3114-55-4	Chlorobenzene-d5	275000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	133000	13.794			

Report of Analysis

Client:	Day Environmental, Inc.		Date Collected:	08/20/24	
Project:	NYSDEC Andrews St Site #E828144		Date Received:	08/22/24	
Client Sample ID:	1049-MW-02(23.8)		SDG No.:	P3716	
Lab Sample ID:	P3716-02		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
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	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN083467.D	1		08/23/24 17:56	VN082324

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\VN082324\
 Data File : VN083467.D
 Acq On : 23 Aug 2024 17:56
 Operator : JC\MD
 Sample : P3716-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 1049-MW-02(23.8)

Quant Time: Aug 24 00:05:49 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 08 06:30:41 2024
 Response via : Initial Calibration

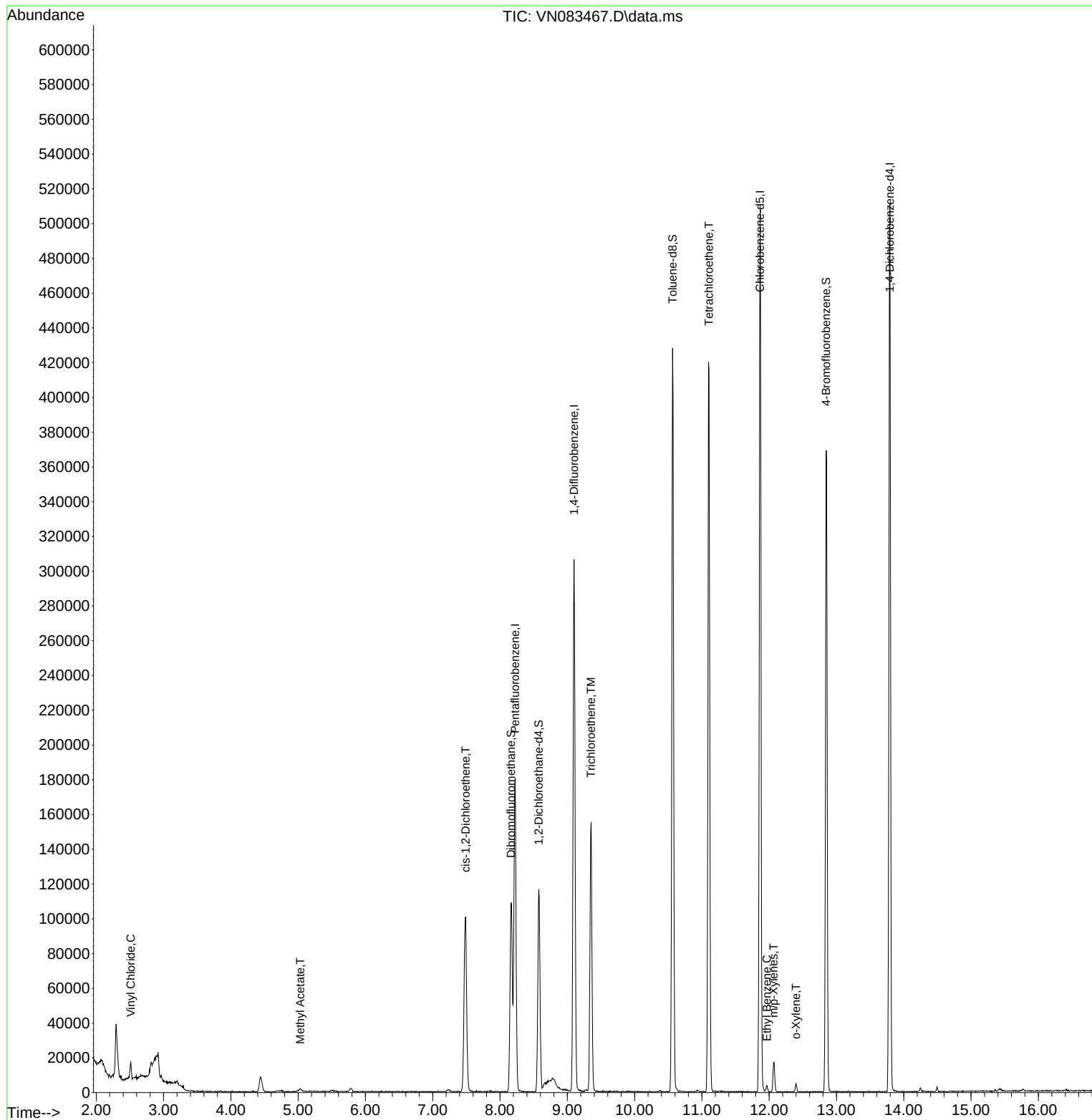
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	121554	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	254593	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	274878	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	132754	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	101023	58.389	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 116.780%		
35) Dibromofluoromethane	8.165	113	79522	50.042	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 100.080%		
50) Toluene-d8	10.565	98	285805	48.214	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 96.420%		
62) 4-Bromofluorobenzene	12.847	95	133108	57.598	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 115.200%		
Target Compounds						Qvalue
4) Vinyl Chloride	2.512	62	6566	4.560	ug/l	# 88
18) Methyl Acetate	5.030	43	3663	1.816	ug/l	94
27) cis-1,2-Dichloroethene	7.489	96	58253	34.664	ug/l	85
44) Trichloroethene	9.353	130	52924	31.049	ug/l	93
64) Tetrachloroethene	11.106	164	91880	50.471	ug/l	93
67) Ethyl Benzene	11.965	91	3181	0.285	ug/l	# 89
68) m/p-Xylenes	12.065	106	6179	1.480	ug/l	90
69) o-Xylene	12.400	106	1426	0.346	ug/l	91

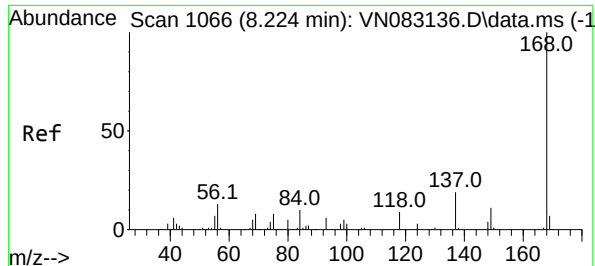
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082324\
Data File : VN083467.D
Acq On : 23 Aug 2024 17:56
Operator : JC\MD
Sample : P3716-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
1049-MW-02(23.8)

Quant Time: Aug 24 00:05:49 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 08 06:30:41 2024
Response via : Initial Calibration

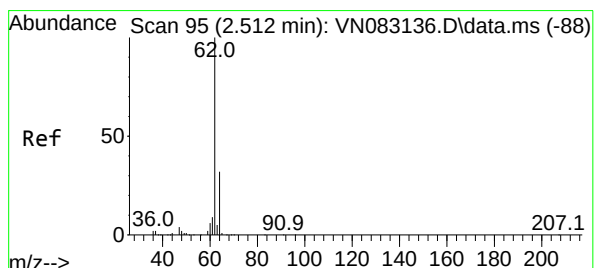
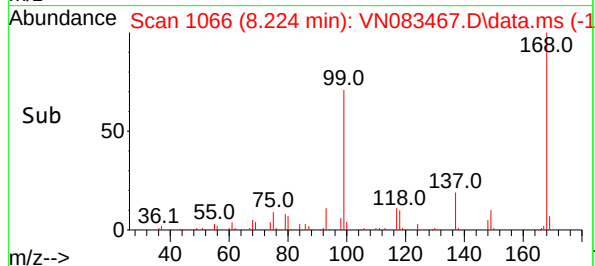
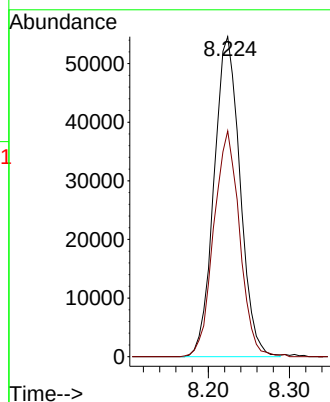
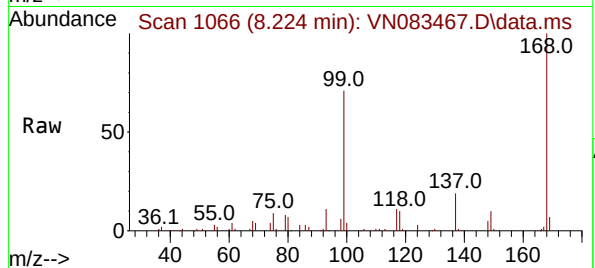




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083467.D
Acq: 23 Aug 2024 17:56

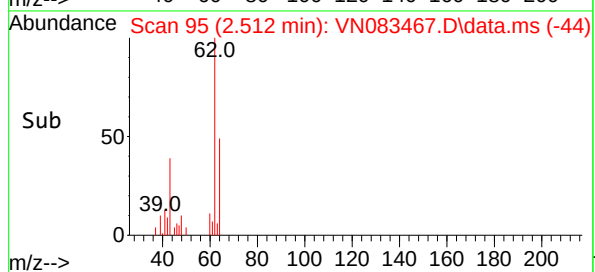
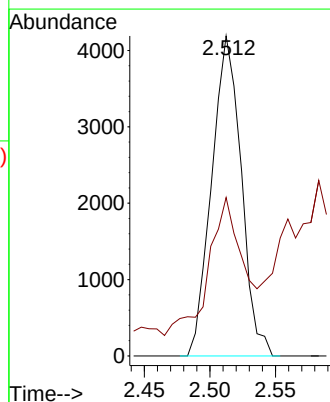
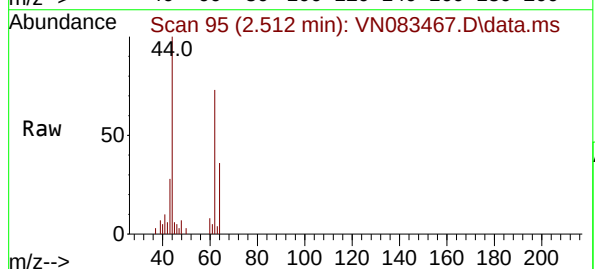
Instrument :
MSVOA_N
ClientSampleId :
1049-MW-02(23.8)

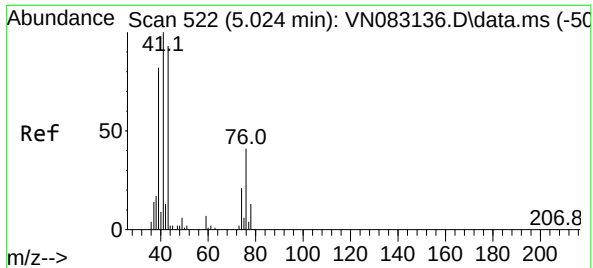
Tgt Ion:168 Resp: 121554
Ion Ratio Lower Upper
168 100
99 70.6 48.2 72.4



#4
Vinyl Chloride
Concen: 4.560 ug/l
RT: 2.512 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN083467.D
Acq: 23 Aug 2024 17:56

Tgt Ion: 62 Resp: 6566
Ion Ratio Lower Upper
62 100
64 37.8 25.0 37.6#





#18

Methyl Acetate

Concen: 1.816 ug/l

RT: 5.030 min Scan# 51

Delta R.T. 0.006 min

Lab File: VN083467.D

Acq: 23 Aug 2024 17:56

Instrument :

MSVOA_N

ClientSampleId :

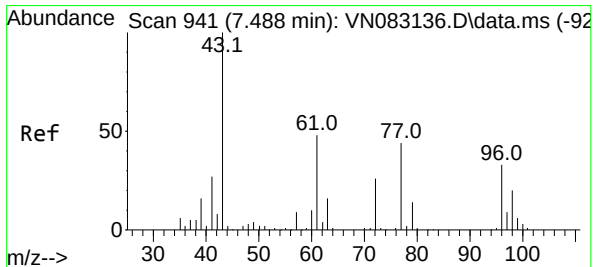
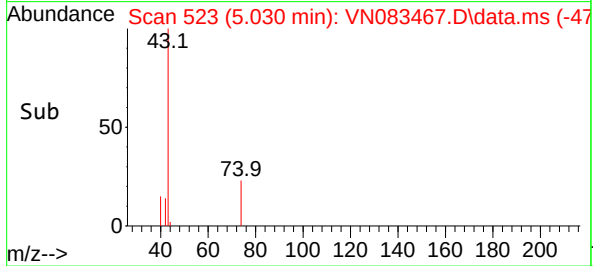
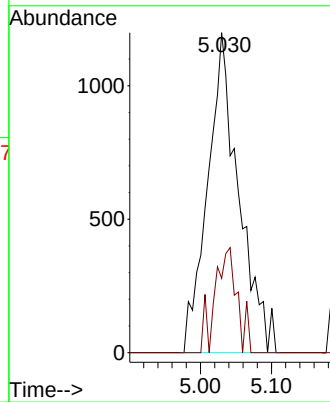
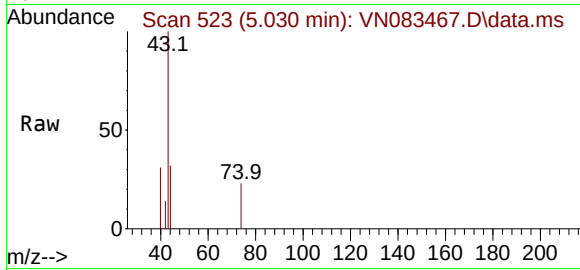
1049-MW-02(23.8)

Tgt Ion: 43 Resp: 3663

Ion Ratio Lower Upper

43 100

74 23.2 16.3 24.5



#27

cis-1,2-Dichloroethene

Concen: 34.664 ug/l

RT: 7.489 min Scan# 941

Delta R.T. 0.000 min

Lab File: VN083467.D

Acq: 23 Aug 2024 17:56

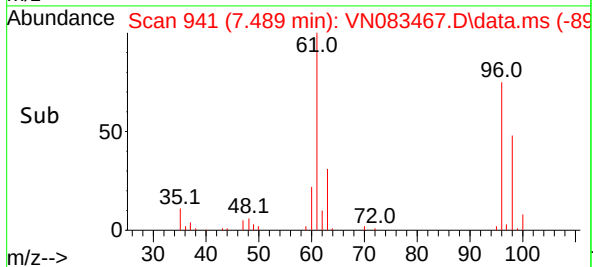
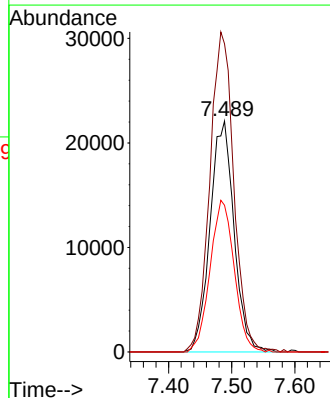
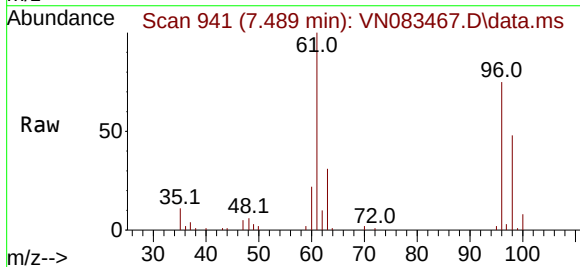
Tgt Ion: 96 Resp: 58253

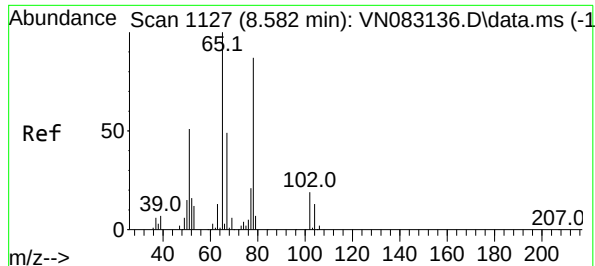
Ion Ratio Lower Upper

96 100

61 138.9 0.0 329.6

98 66.2 0.0 128.6





#33

1,2-Dichloroethane-d4

Concen: 58.389 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.005 min

Lab File: VN083467.D

Acq: 23 Aug 2024 17:56

Instrument :

MSVOA_N

ClientSampleId :

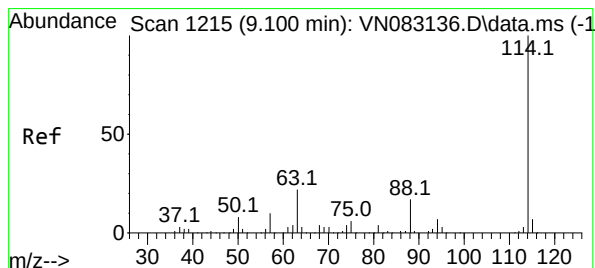
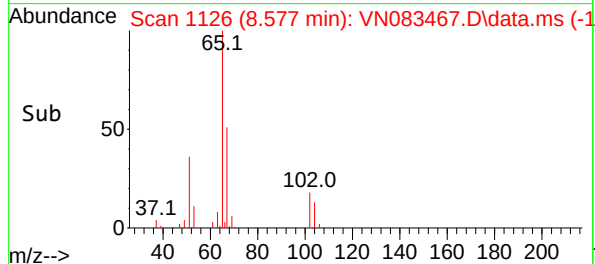
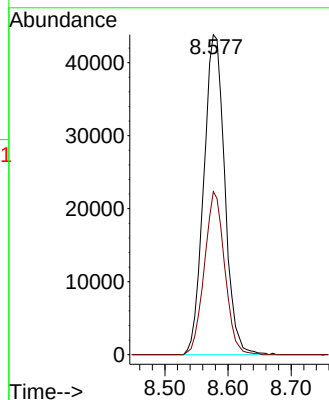
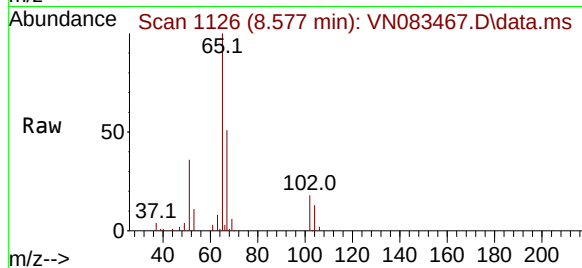
1049-MW-02(23.8)

Tgt Ion: 65 Resp: 101023

Ion Ratio Lower Upper

65 100

67 49.4 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN083467.D

Acq: 23 Aug 2024 17:56

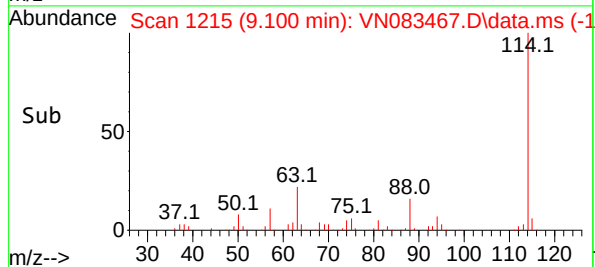
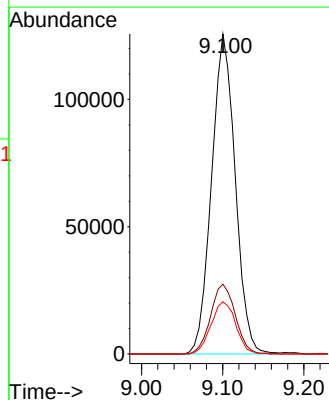
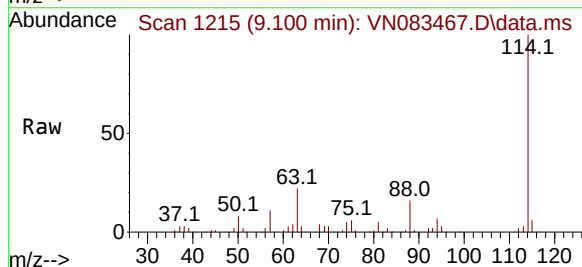
Tgt Ion: 114 Resp: 254593

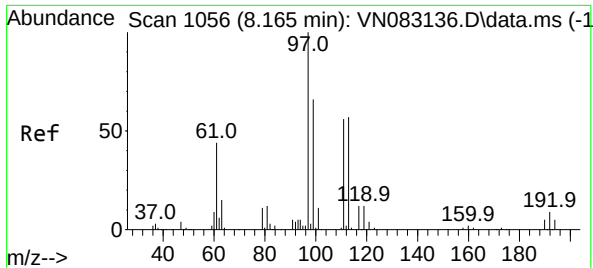
Ion Ratio Lower Upper

114 100

63 21.8 0.0 44.6

88 16.3 0.0 31.4





#35

Dibromofluoromethane

Concen: 50.042 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN083467.D

Acq: 23 Aug 2024 17:56

Instrument :

MSVOA_N

ClientSampleId :

1049-MW-02(23.8)

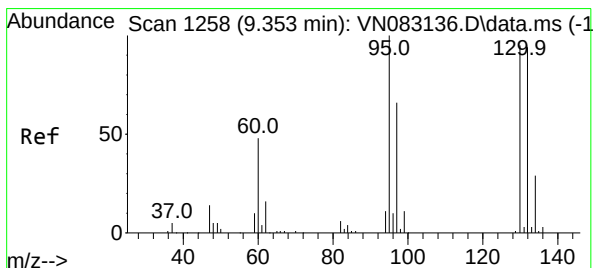
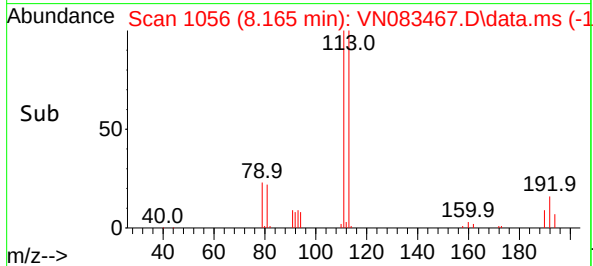
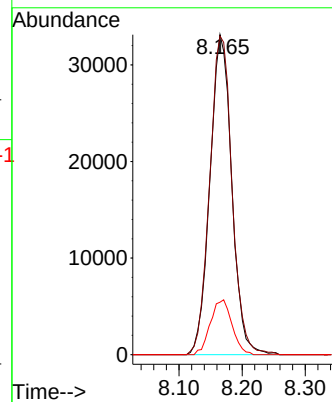
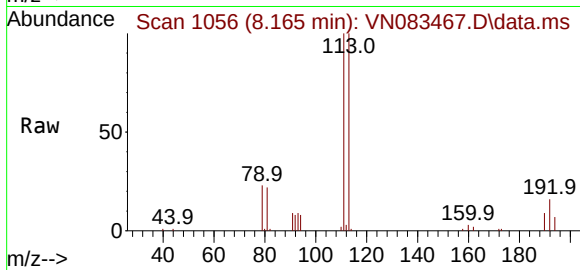
Tgt Ion:113 Resp: 79522

Ion Ratio Lower Upper

113 100

111 101.9 82.4 123.6

192 17.0 14.9 22.3



#44

Trichloroethene

Concen: 31.049 ug/l

RT: 9.353 min Scan# 1258

Delta R.T. 0.000 min

Lab File: VN083467.D

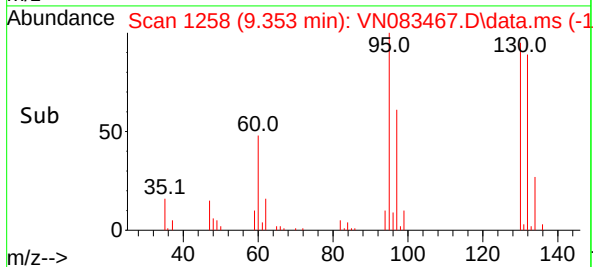
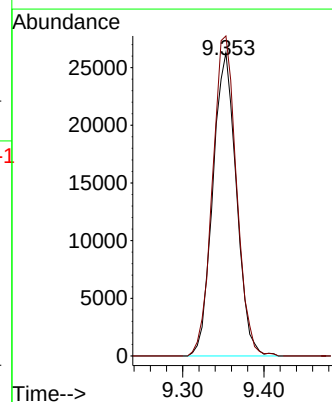
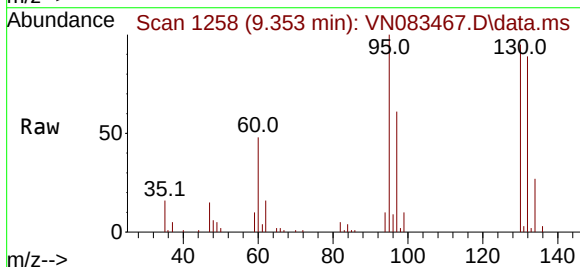
Acq: 23 Aug 2024 17:56

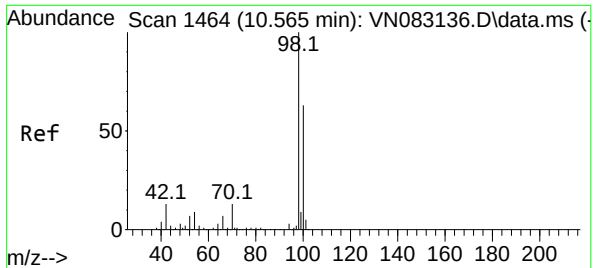
Tgt Ion:130 Resp: 52924

Ion Ratio Lower Upper

130 100

95 105.5 0.0 197.8





#50

Toluene-d8

Concen: 48.214 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN083467.D

Acq: 23 Aug 2024 17:56

Instrument :

MSVOA_N

ClientSampleId :

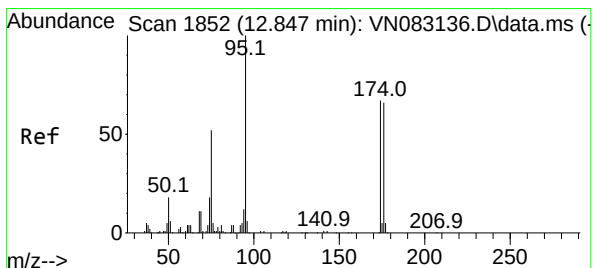
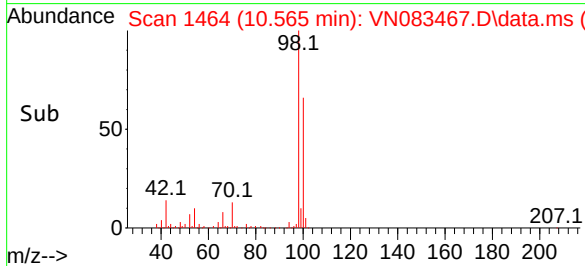
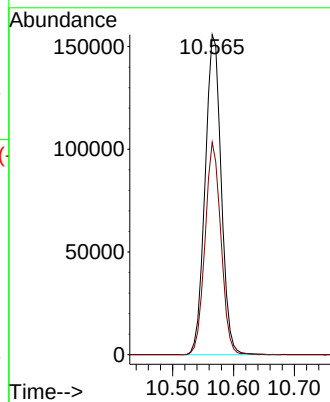
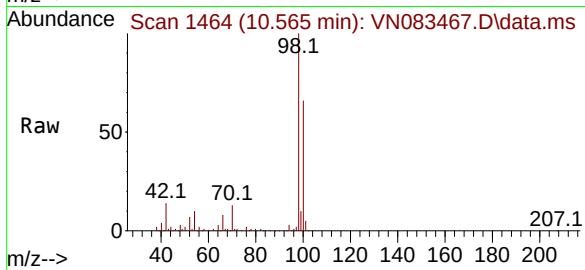
1049-MW-02(23.8)

Tgt Ion: 98 Resp: 285805

Ion Ratio Lower Upper

98 100

100 65.4 51.5 77.3



#62

4-Bromofluorobenzene

Concen: 57.598 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.000 min

Lab File: VN083467.D

Acq: 23 Aug 2024 17:56

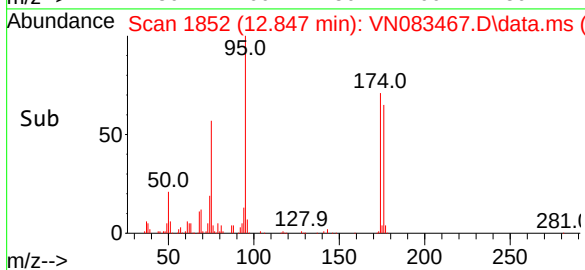
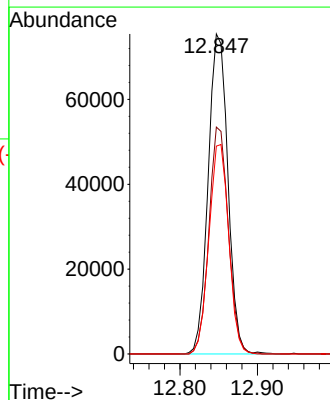
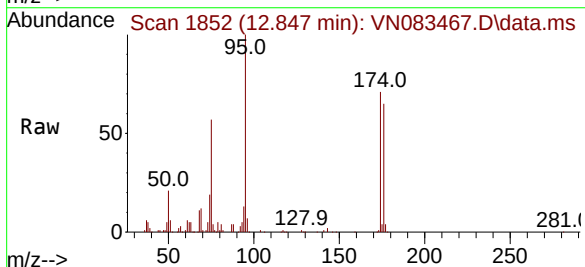
Tgt Ion: 95 Resp: 133108

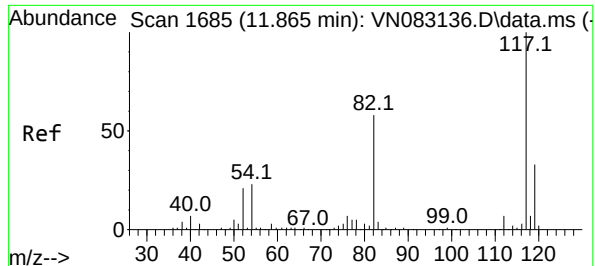
Ion Ratio Lower Upper

95 100

174 70.2 0.0 159.2

176 65.8 0.0 147.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN083467.D

Acq: 23 Aug 2024 17:56

Instrument :

MSVOA_N

ClientSampleId :

1049-MW-02(23.8)

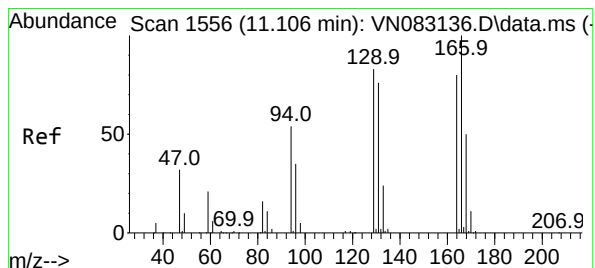
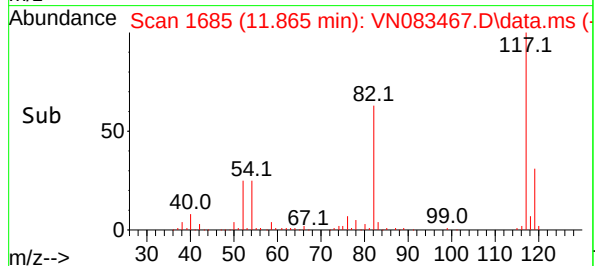
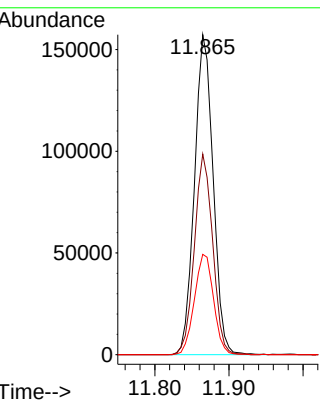
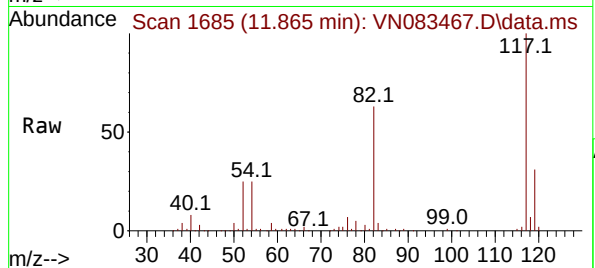
Tgt Ion:117 Resp: 274878

Ion Ratio Lower Upper

117 100

82 62.7 47.5 71.3

119 31.4 25.6 38.4



#64

Tetrachloroethene

Concen: 50.471 ug/l

RT: 11.106 min Scan# 1556

Delta R.T. 0.000 min

Lab File: VN083467.D

Acq: 23 Aug 2024 17:56

Tgt Ion:164 Resp: 91880

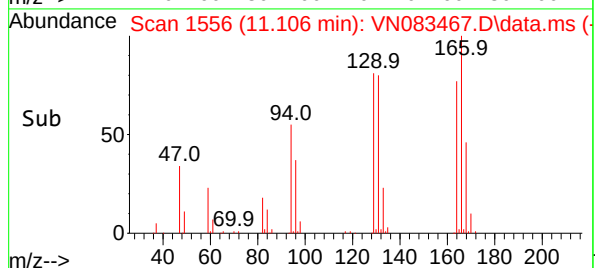
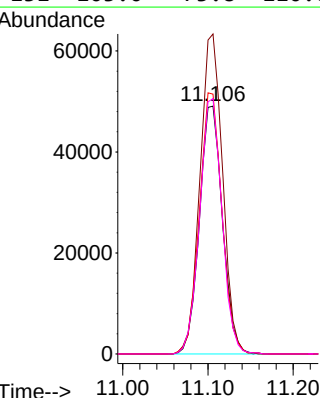
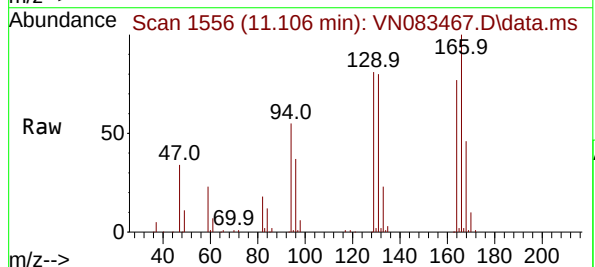
Ion Ratio Lower Upper

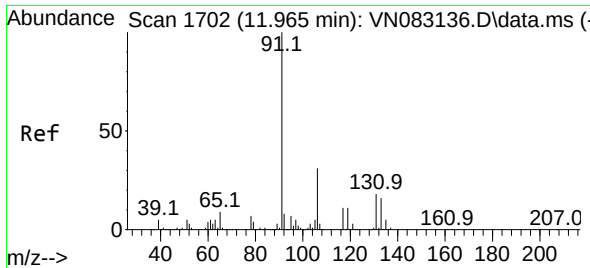
164 100

166 129.1 101.4 152.0

129 104.8 75.7 113.5

131 103.0 73.8 110.6





#67

Ethyl Benzene

Concen: 0.285 ug/l

RT: 11.965 min Scan# 1702

Delta R.T. 0.000 min

Lab File: VN083467.D

Acq: 23 Aug 2024 17:56

Instrument :

MSVOA_N

ClientSampleId :

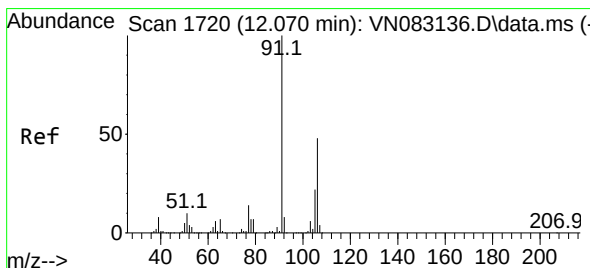
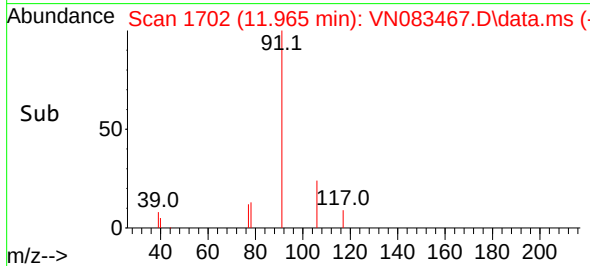
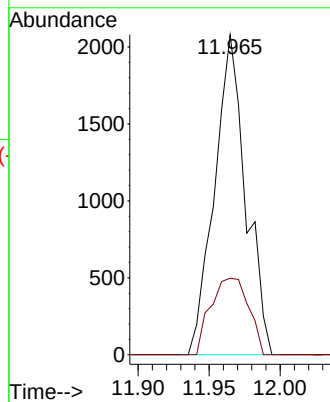
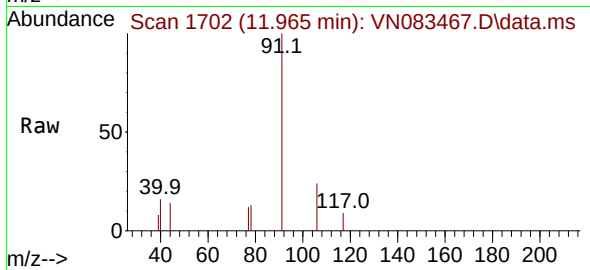
1049-MW-02(23.8)

Tgt Ion: 91 Resp: 3181

Ion Ratio Lower Upper

91 100

106 23.9 24.0 36.0#



#68

m/p-Xylenes

Concen: 1.480 ug/l

RT: 12.065 min Scan# 1719

Delta R.T. -0.006 min

Lab File: VN083467.D

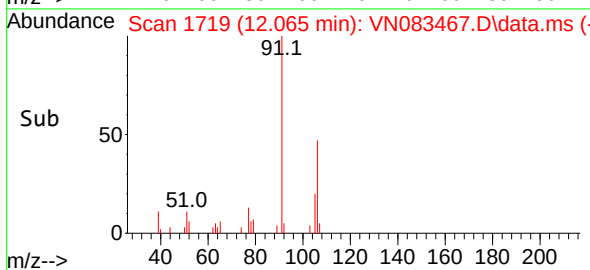
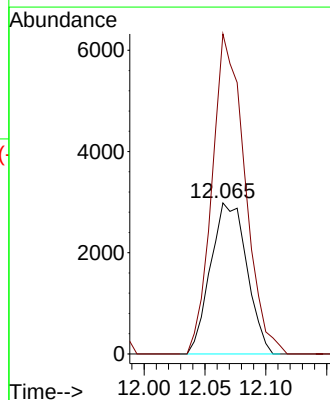
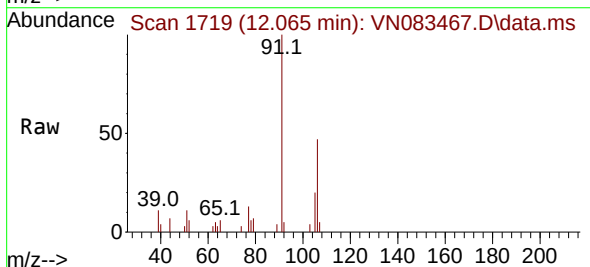
Acq: 23 Aug 2024 17:56

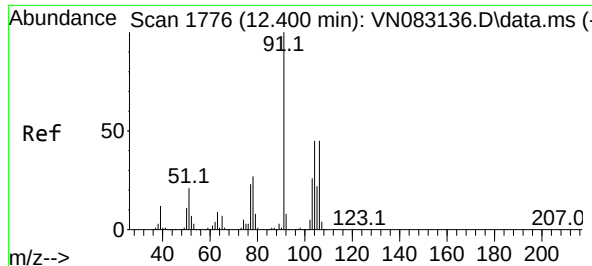
Tgt Ion: 106 Resp: 6179

Ion Ratio Lower Upper

106 100

91 191.6 166.1 249.1





#69

o-Xylene

Concen: 0.346 ug/l

RT: 12.400 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN083467.D

Acq: 23 Aug 2024 17:56

Instrument :

MSVOA_N

ClientSampleId :

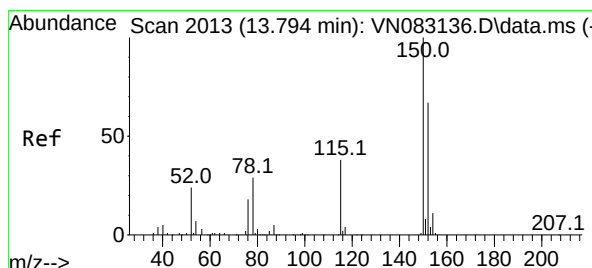
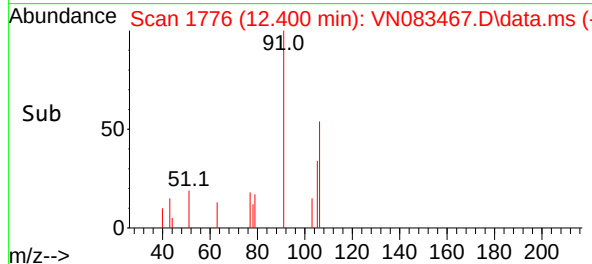
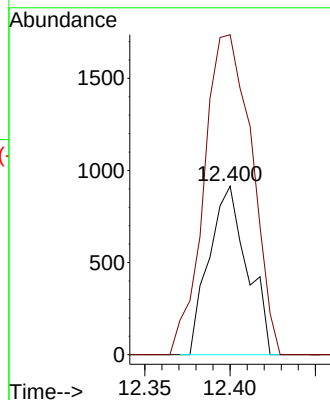
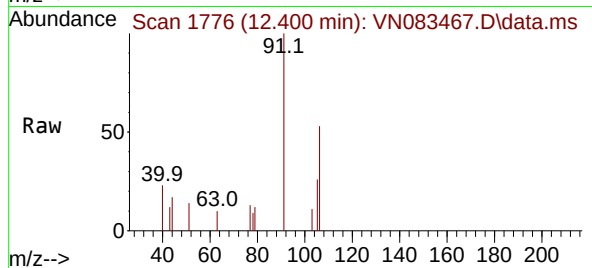
1049-MW-02(23.8)

Tgt Ion:106 Resp: 1426

Ion Ratio Lower Upper

106 100

91 237.0 111.3 333.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.000 min

Lab File: VN083467.D

Acq: 23 Aug 2024 17:56

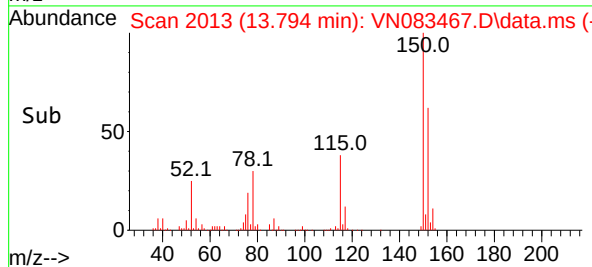
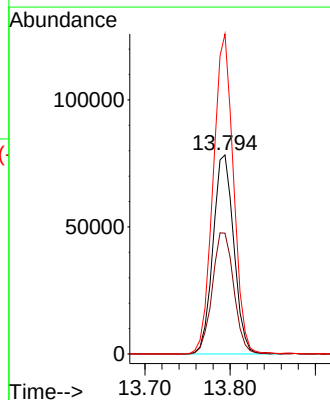
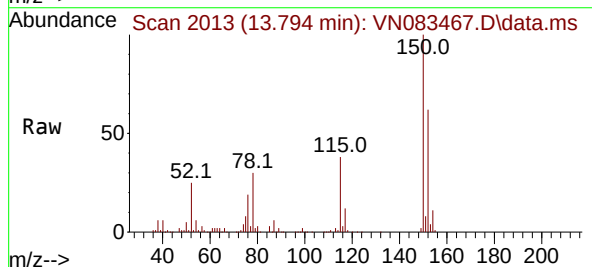
Tgt Ion:152 Resp: 132754

Ion Ratio Lower Upper

152 100

115 63.0 30.6 91.6

150 157.0 0.0 348.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082324\
Data File : VN083467.D
Acq On : 23 Aug 2024 17:56
Operator : JC\MD
Sample : P3716-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
1049-MW-02(23.8)

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
Title : SW846 8260

Signal : TIC: VN083467.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.295	53	58	67	rVB4	30565	65257	7.31%	1.043%
2	2.512	90	95	99	rVB2	10250	14676	1.64%	0.234%
3	2.818	140	147	149	rBV5	7374	14472	1.62%	0.231%
4	4.442	414	423	437	rBV3	8747	26168	2.93%	0.418%
5	7.489	930	941	952	rBV	100665	264758	29.65%	4.230%
6	8.165	1046	1056	1061	rBV2	108850	271646	30.43%	4.340%
7	8.224	1061	1066	1077	rVB	180043	391261	43.82%	6.252%
8	8.577	1118	1126	1134	rBV	116438	263279	29.49%	4.207%
9	9.100	1205	1215	1229	rBV	305818	629096	70.46%	10.052%
10	9.353	1250	1258	1270	rVB	154932	315501	35.34%	5.041%
11	10.565	1456	1464	1479	rBV	427840	786397	88.08%	12.565%
12	11.100	1547	1555	1566	rBV	420177	778571	87.21%	12.440%
13	11.865	1677	1685	1697	rBV	510460	892805	100.00%	14.265%
14	12.071	1714	1720	1730	rVB2	17338	33433	3.74%	0.534%
15	12.847	1845	1852	1865	rBV	369053	644057	72.14%	10.291%
16	13.794	2005	2013	2024	rBV	511739	867128	97.12%	13.855%

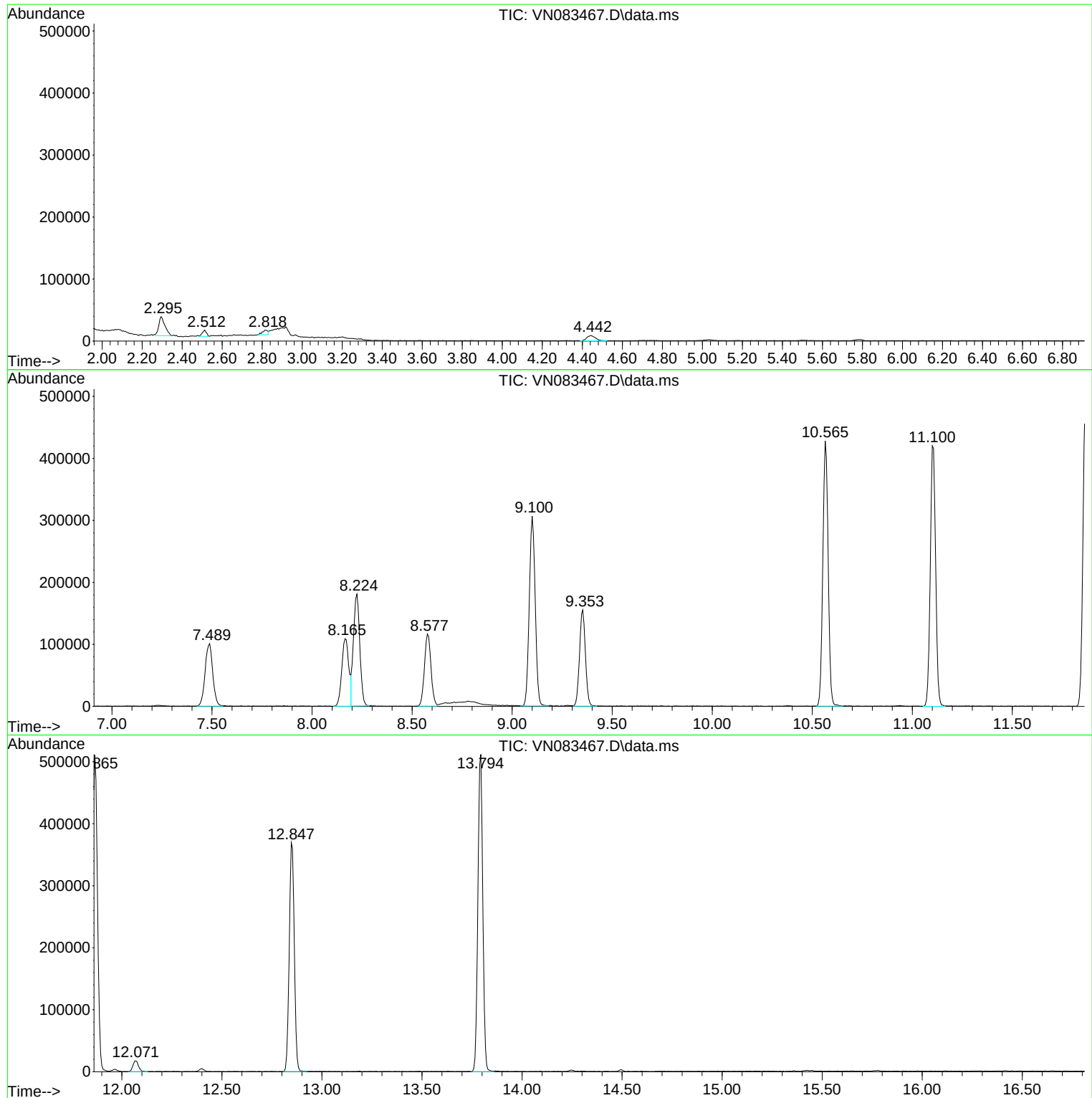
Sum of corrected areas: 6258505

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082324\
Data File : VN083467.D
Acq On : 23 Aug 2024 17:56
Operator : JC\MD
Sample : P3716-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
1049-MW-02(23.8)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
Quant Title : SW846 8260

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



1
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082324\
Data File : VN083467.D
Acq On : 23 Aug 2024 17:56
Operator : JC\MD
Sample : P3716-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
1049-MW-02(23.8)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082324\
Data File : VN083467.D
Acq On : 23 Aug 2024 17:56
Operator : JC\MD
Sample : P3716-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
1049-MW-02(23.8)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
Quant Title : SW846 8260

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

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

Report of Analysis

Client:	Day Environmental, Inc.		Date Collected:	08/20/24	
Project:	NYSDEC Andrews St Site #E828144		Date Received:	08/22/24	
Client Sample ID:	1050-MW-03A(17)		SDG No.:	P3716	
Lab Sample ID:	P3716-05		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
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	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN083463.D	1		08/23/24 16:20	VN082324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.21	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.35	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.34	1.00	ug/L
74-83-9	Bromomethane	5.00	U	1.40	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.26	1.00	ug/L
67-64-1	Acetone	5.00	U	1.40	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	3.30		0.60	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	5.50		0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	UQ	0.23	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.60	5.00	ug/L
78-93-3	2-Butanone	5.00	U	1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	39.9		0.25	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.18	1.00	ug/L
67-66-3	Chloroform	1.00	UQ	0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	UQ	0.19	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.19	1.00	ug/L
71-43-2	Benzene	1.00	UQ	0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	UQ	0.24	1.00	ug/L
79-01-6	Trichloroethene	90.0		0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	UQ	0.19	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.75	5.00	ug/L
108-88-3	Toluene	1.00	U	0.18	1.00	ug/L

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	08/20/24
Project:	NYSDEC Andrews St Site #E828144	Date Received:	08/22/24
Client Sample ID:	1050-MW-03A(17)	SDG No.:	P3716
Lab Sample ID:	P3716-05	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
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
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN083463.D	1		08/23/24 16:20	VN082324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	1.00	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	1.10	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	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	94.7		0.25	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.13	1.00	ug/L
100-41-4	Ethyl Benzene	0.32	J	0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	1.60	J	0.31	2.00	ug/L
95-47-6	o-Xylene	0.46	J	0.14	1.00	ug/L
100-42-5	Styrene	1.00	U	0.16	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.21	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	56.5		74 - 125	113%	SPK: 50
1868-53-7	Dibromofluoromethane	49.2		75 - 124	98%	SPK: 50
2037-26-5	Toluene-d8	48.8		86 - 113	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	58.9		77 - 121	118%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	126000	8.224			
540-36-3	1,4-Difluorobenzene	256000	9.1			
3114-55-4	Chlorobenzene-d5	276000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	134000	13.794			

TENTATIVE IDENTIFIED COMPOUNDS

Report of Analysis

Client:	Day Environmental, Inc.		Date Collected:	08/20/24
Project:	NYSDEC Andrews St Site #E828144		Date Received:	08/22/24
Client Sample ID:	1050-MW-03A(17)		SDG No.:	P3716
Lab Sample ID:	P3716-05		Matrix:	Water
Analytical Method:	SW8260		% Solid:	0
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
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN083463.D	1		08/23/24 16:20	VN082324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
000064-19-7	Acetic acid	8.50	J		8.80	ug/L

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\VN082324\
 Data File : VN083463.D
 Acq On : 23 Aug 2024 16:20
 Operator : JC\MD
 Sample : P3716-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 1050-MW-03A(17)

Quant Time: Aug 24 00:03:44 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 08 06:30:41 2024
 Response via : Initial Calibration

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

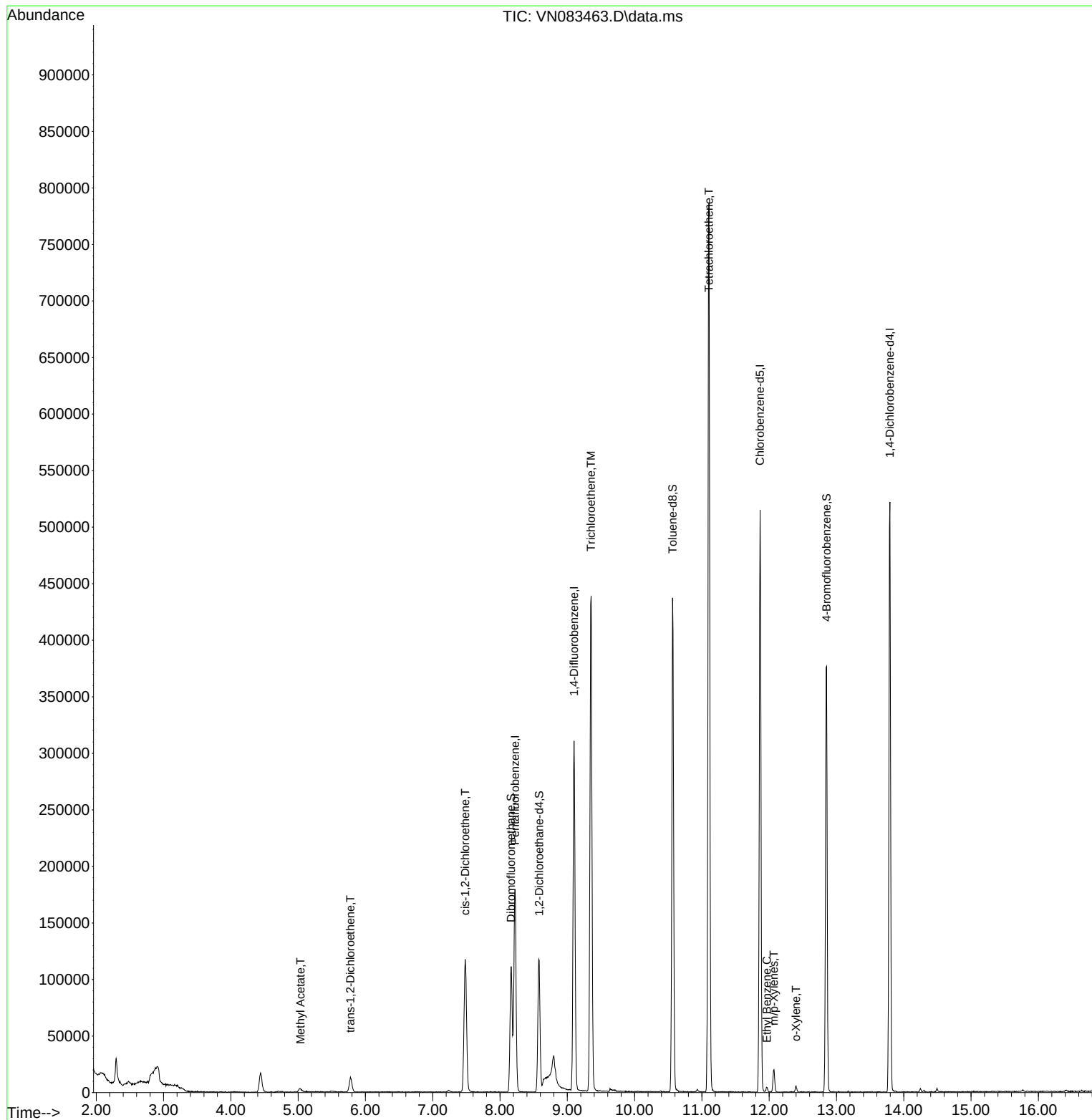
Internal Standards						
1) Pentafluorobenzene	8.224	168	126240	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	255804	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	275886	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	134088	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	101443	56.455	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	112.900%
35) Dibromofluoromethane	8.165	113	78536	49.187	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.380%
50) Toluene-d8	10.565	98	290632	48.797	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	97.600%
62) 4-Bromofluorobenzene	12.853	95	136651	58.851	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	117.700%
Target Compounds						Qvalue
18) Methyl Acetate	5.036	43	6894	3.291	ug/l	98
21) trans-1,2-Dichloroethene	5.777	96	7996	5.528	ug/l	94
27) cis-1,2-Dichloroethene	7.483	96	69599	39.878	ug/l	83
44) Trichloroethene	9.353	130	154108	89.983	ug/l	92
64) Tetrachloroethene	11.106	164	173009	94.689	ug/l	96
67) Ethyl Benzene	11.965	91	3546	0.317	ug/l	95
68) m/p-Xylenes	12.070	106	6815	1.627	ug/l	98
69) o-Xylene	12.400	106	1918	0.464	ug/l	89

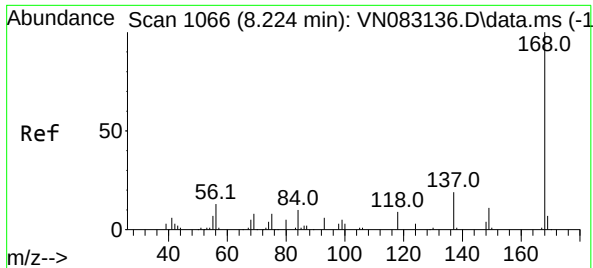
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082324\
Data File : VN083463.D
Acq On : 23 Aug 2024 16:20
Operator : JC\MD
Sample : P3716-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
1050-MW-03A(17)

Quant Time: Aug 24 00:03:44 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 08 06:30:41 2024
Response via : Initial Calibration

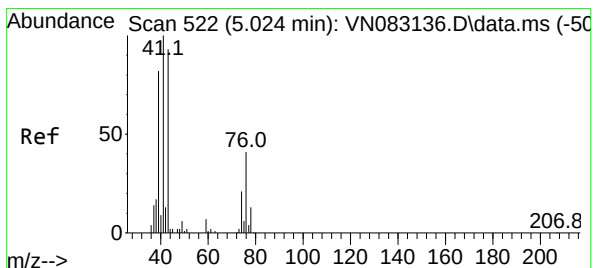
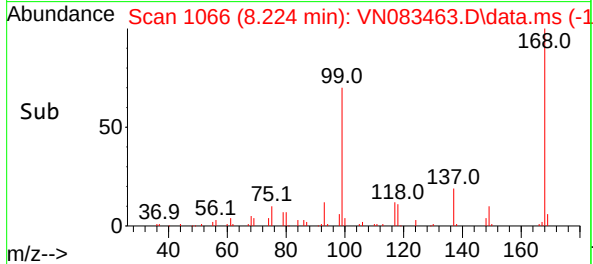
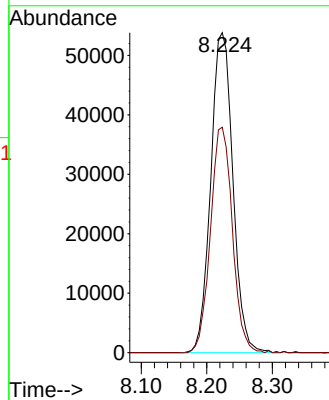
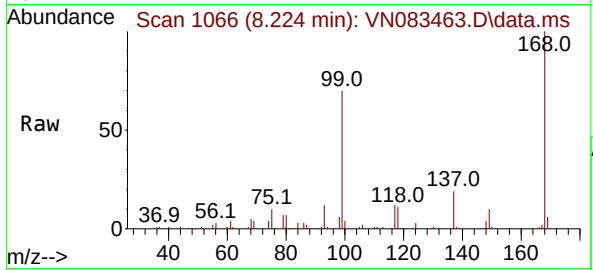




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083463.D
Acq: 23 Aug 2024 16:20

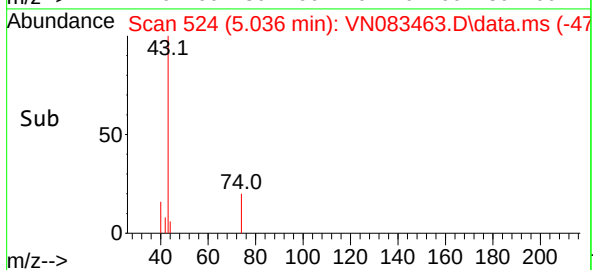
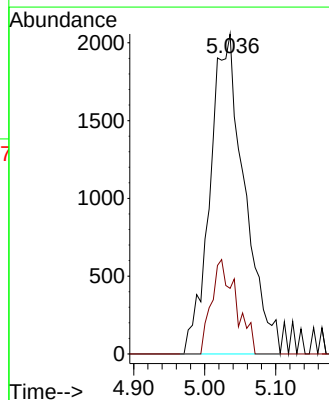
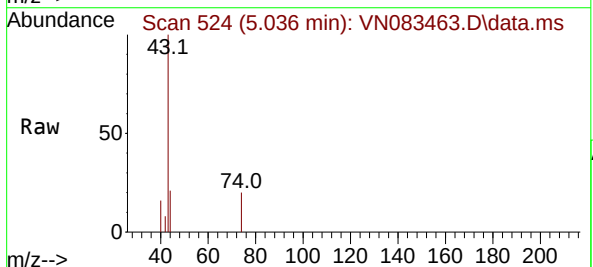
Instrument :
MSVOA_N
ClientSampleId :
1050-MW-03A(17)

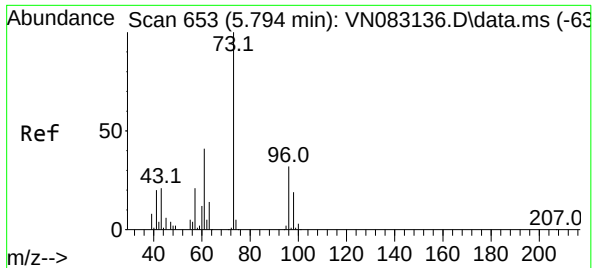
Tgt Ion:168 Resp: 126240
Ion Ratio Lower Upper
168 100
99 70.4 48.2 72.4



#18
Methyl Acetate
Concen: 3.291 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.012 min
Lab File: VN083463.D
Acq: 23 Aug 2024 16:20

Tgt Ion: 43 Resp: 6894
Ion Ratio Lower Upper
43 100
74 21.3 16.3 24.5

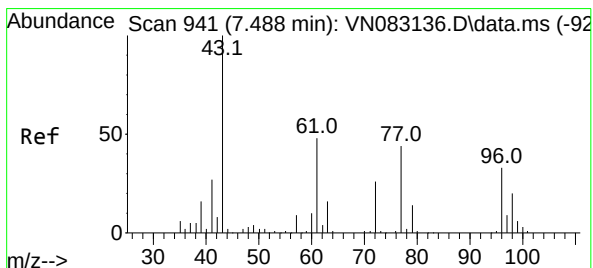
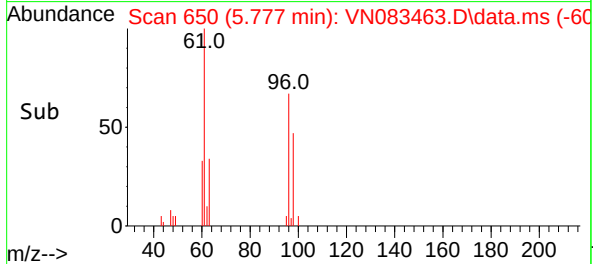
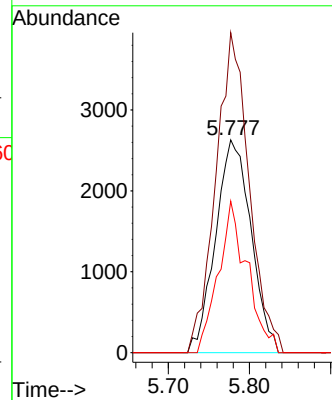
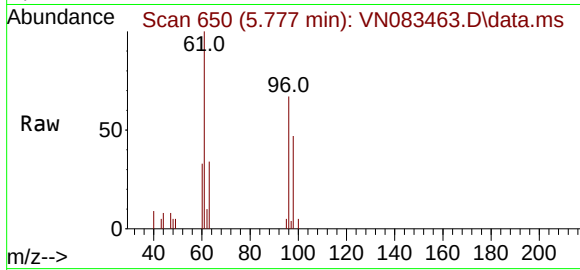




#21
trans-1,2-Dichloroethene
Concen: 5.528 ug/l
RT: 5.777 min Scan# 61
Delta R.T. -0.018 min
Lab File: VN083463.D
Acq: 23 Aug 2024 16:20

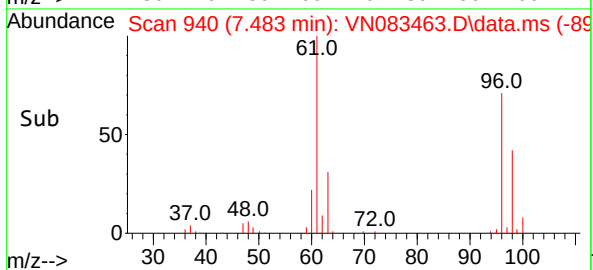
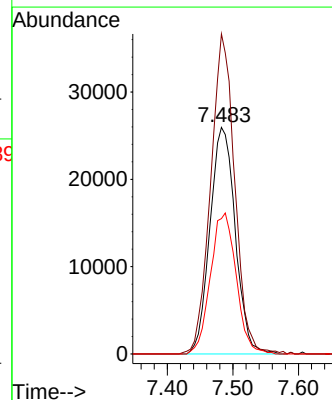
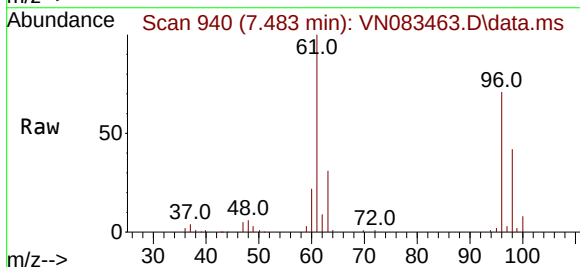
Instrument :
MSVOA_N
ClientSampleId :
1050-MW-03A(17)

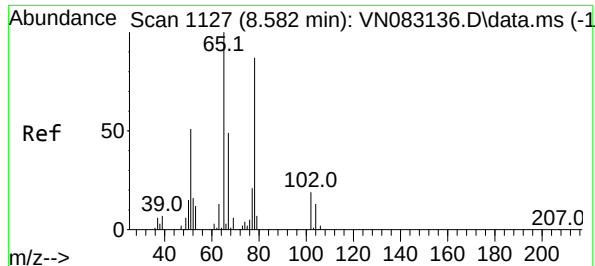
Tgt Ion	96	Resp:	7996
Ion Ratio	Lower	Upper	
96	100		
61	150.4	123.4	185.2
98	71.2	49.3	73.9



#27
cis-1,2-Dichloroethene
Concen: 39.878 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.006 min
Lab File: VN083463.D
Acq: 23 Aug 2024 16:20

Tgt Ion	96	Resp:	69599
Ion Ratio	Lower	Upper	
96	100		
61	134.4	0.0	329.6
98	63.2	0.0	128.6





#33

1,2-Dichloroethane-d4

Concen: 56.455 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN083463.D

Acq: 23 Aug 2024 16:20

Instrument :

MSVOA_N

ClientSampleId :

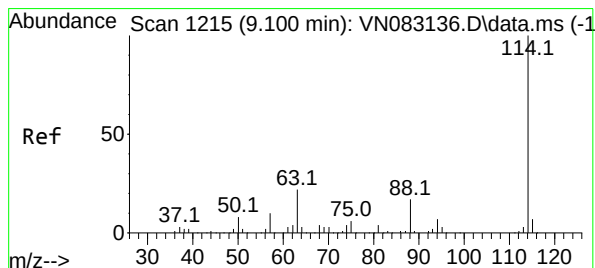
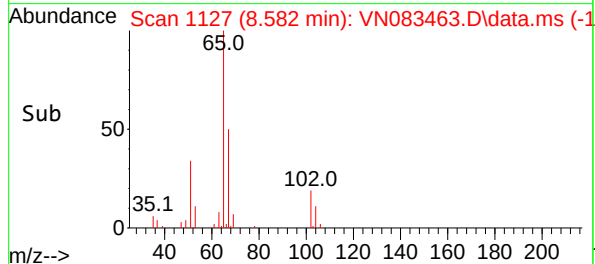
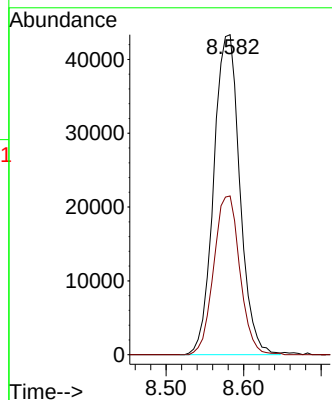
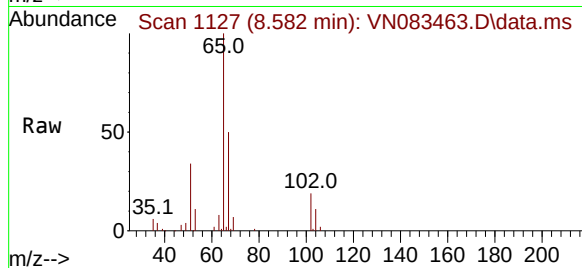
1050-MW-03A(17)

Tgt Ion: 65 Resp: 101443

Ion Ratio Lower Upper

65 100

67 49.6 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN083463.D

Acq: 23 Aug 2024 16:20

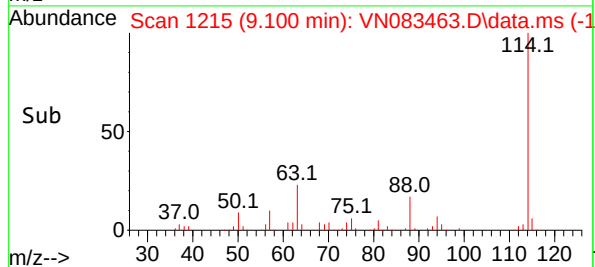
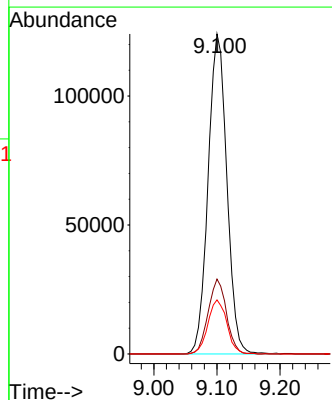
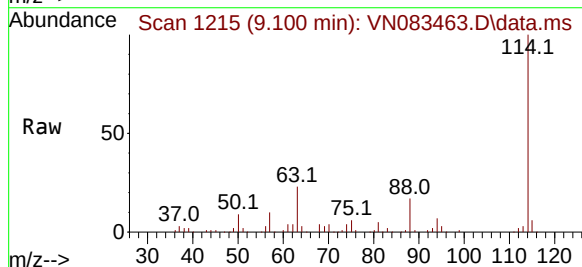
Tgt Ion: 114 Resp: 255804

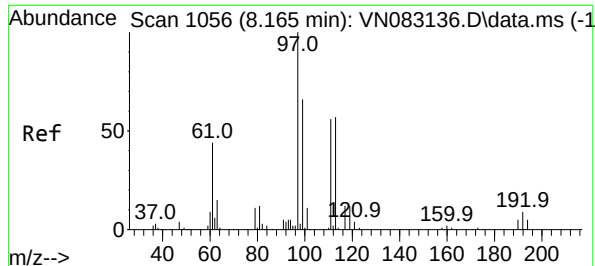
Ion Ratio Lower Upper

114 100

63 23.4 0.0 44.6

88 16.9 0.0 31.4





#35

Dibromofluoromethane

Concen: 49.187 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN083463.D

Acq: 23 Aug 2024 16:20

Instrument :

MSVOA_N

ClientSampleId :

1050-MW-03A(17)

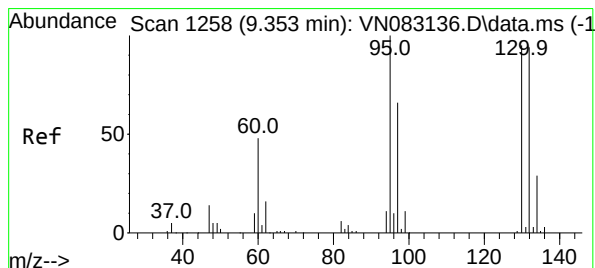
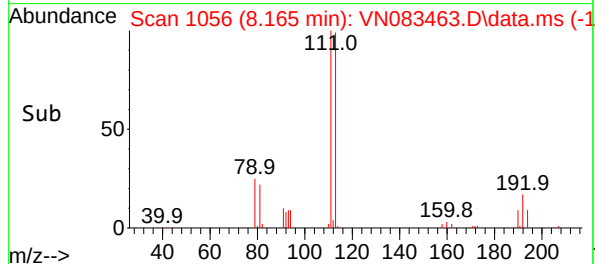
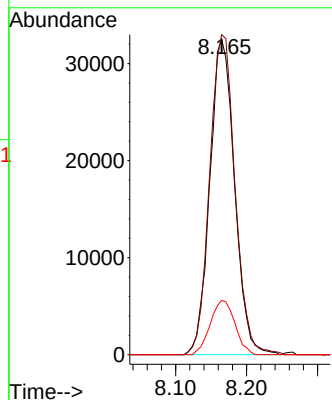
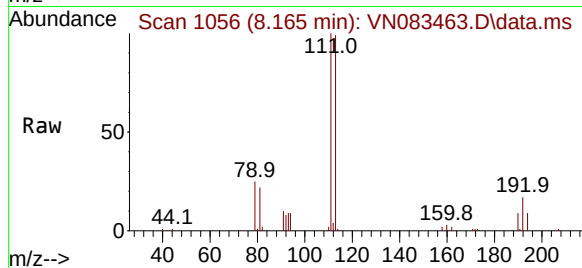
Tgt Ion:113 Resp: 78536

Ion Ratio Lower Upper

113 100

111 103.7 82.4 123.6

192 17.2 14.9 22.3



#44

Trichloroethene

Concen: 89.983 ug/l

RT: 9.353 min Scan# 1258

Delta R.T. 0.000 min

Lab File: VN083463.D

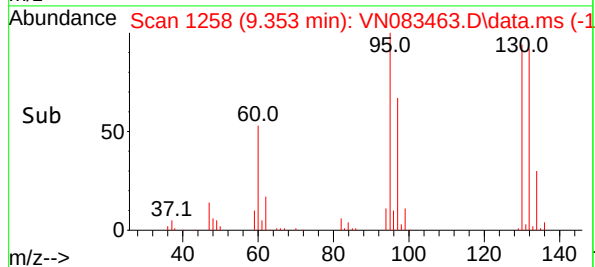
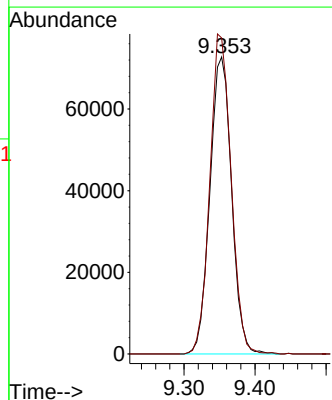
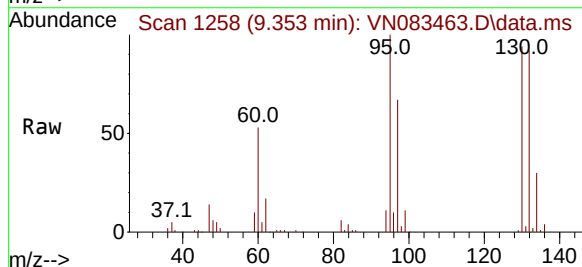
Acq: 23 Aug 2024 16:20

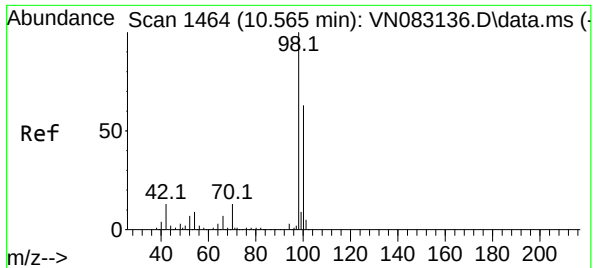
Tgt Ion:130 Resp: 154108

Ion Ratio Lower Upper

130 100

95 106.4 0.0 197.8

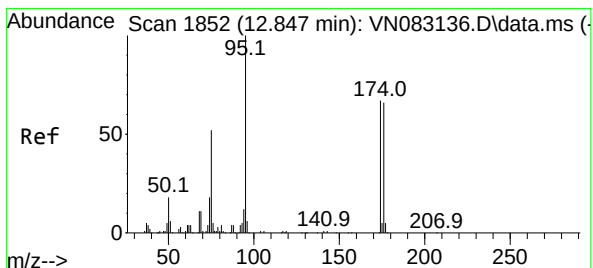
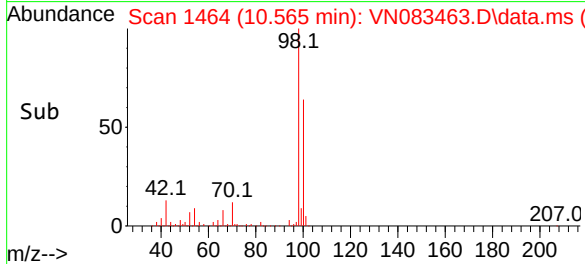
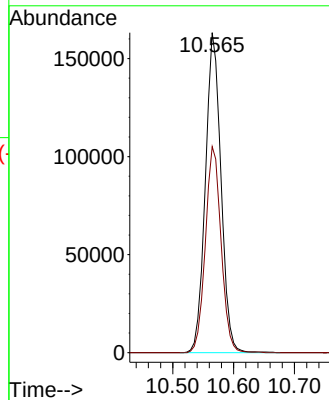
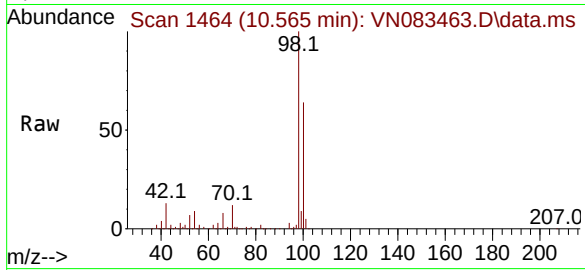




#50
Toluene-d8
Concen: 48.797 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN083463.D
Acq: 23 Aug 2024 16:20

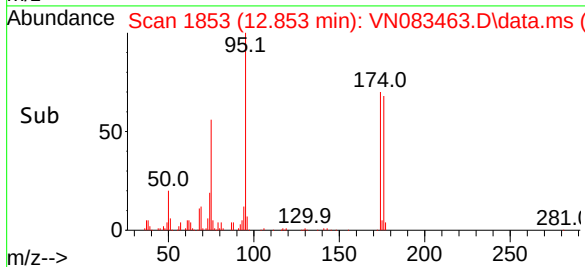
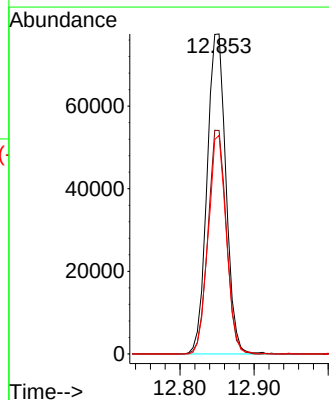
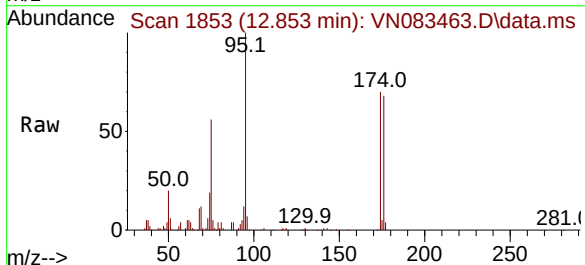
Instrument :
MSVOA_N
ClientSampleId :
1050-MW-03A(17)

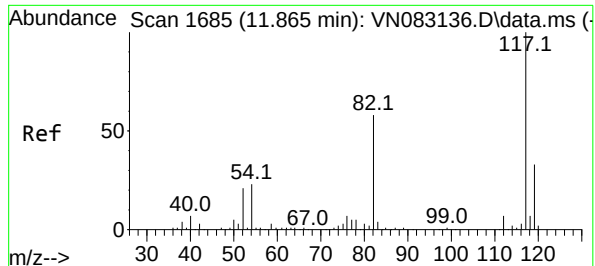
Tgt Ion: 98 Resp: 290632
Ion Ratio Lower Upper
98 100
100 64.9 51.5 77.3



#62
4-Bromofluorobenzene
Concen: 58.851 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN083463.D
Acq: 23 Aug 2024 16:20

Tgt Ion: 95 Resp: 136651
Ion Ratio Lower Upper
95 100
174 68.0 0.0 159.2
176 65.8 0.0 147.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN083463.D

Acq: 23 Aug 2024 16:20

Instrument :

MSVOA_N

ClientSampleId :

1050-MW-03A(17)

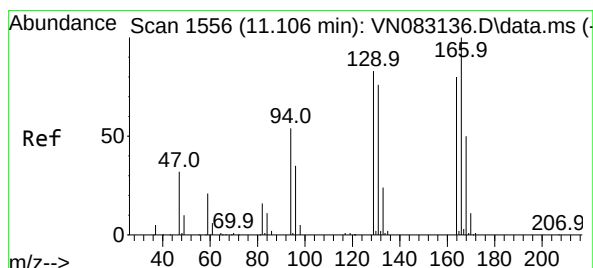
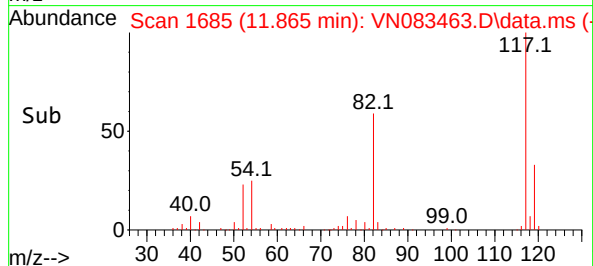
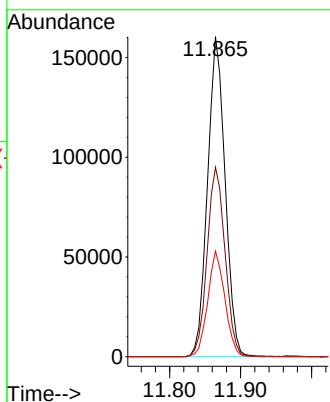
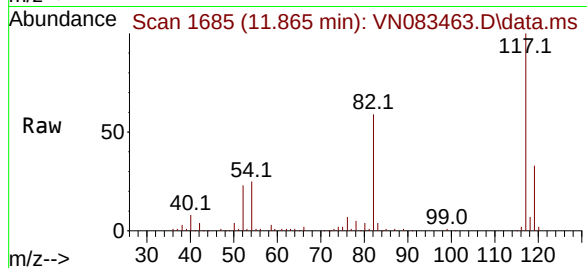
Tgt Ion:117 Resp: 275886

Ion Ratio Lower Upper

117 100

82 59.2 47.5 71.3

119 33.0 25.6 38.4



#64

Tetrachloroethene

Concen: 94.689 ug/l

RT: 11.106 min Scan# 1556

Delta R.T. -0.000 min

Lab File: VN083463.D

Acq: 23 Aug 2024 16:20

Tgt Ion:164 Resp: 173009

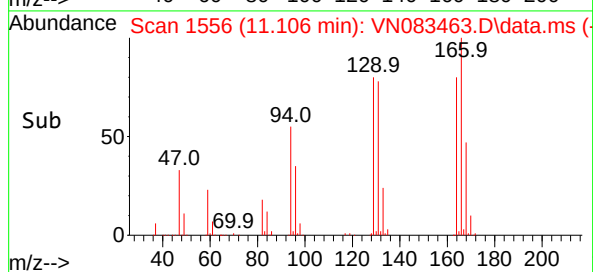
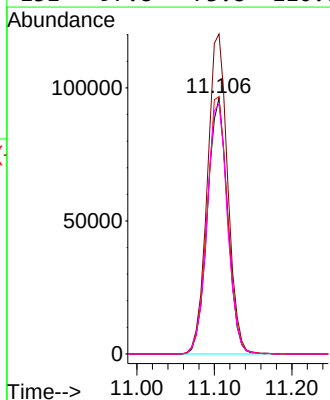
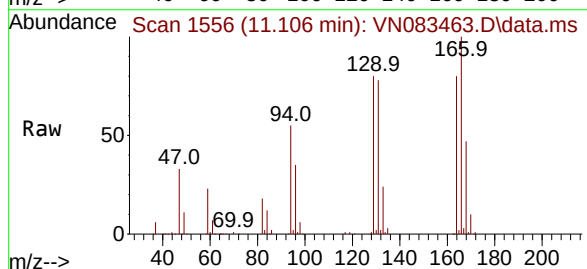
Ion Ratio Lower Upper

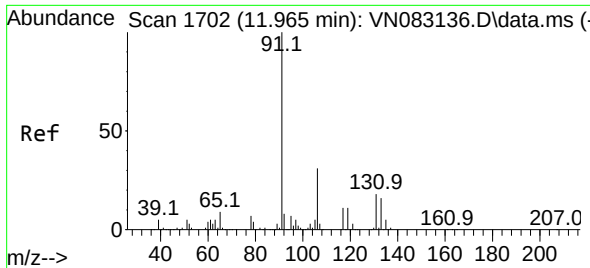
164 100

166 125.2 101.4 152.0

129 100.6 75.7 113.5

131 97.8 73.8 110.6





#67

Ethyl Benzene

Concen: 0.317 ug/l

RT: 11.965 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN083463.D

Acq: 23 Aug 2024 16:20

Instrument :

MSVOA_N

ClientSampleId :

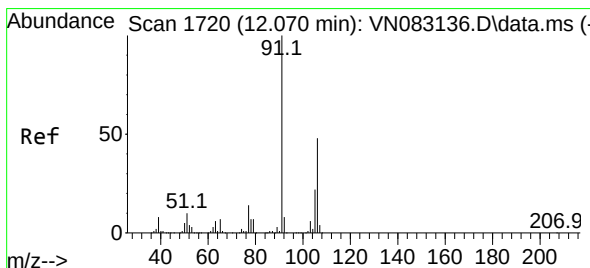
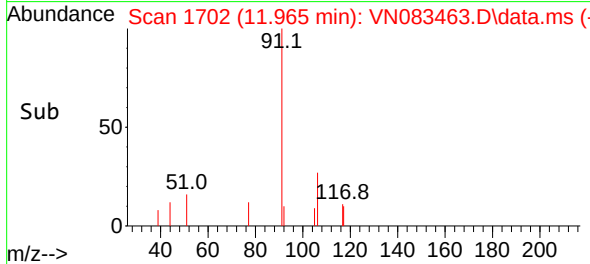
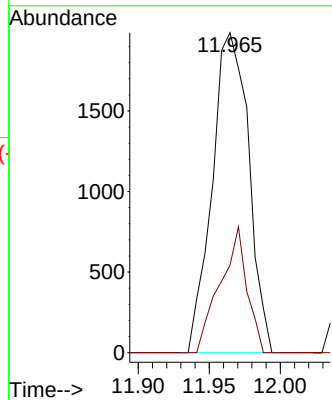
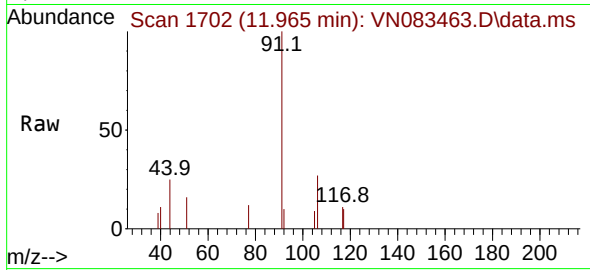
1050-MW-03A(17)

Tgt Ion: 91 Resp: 3546

Ion Ratio Lower Upper

91 100

106 27.3 24.0 36.0



#68

m/p-Xylenes

Concen: 1.627 ug/l

RT: 12.070 min Scan# 1720

Delta R.T. -0.000 min

Lab File: VN083463.D

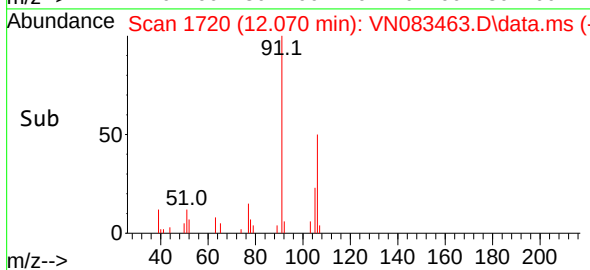
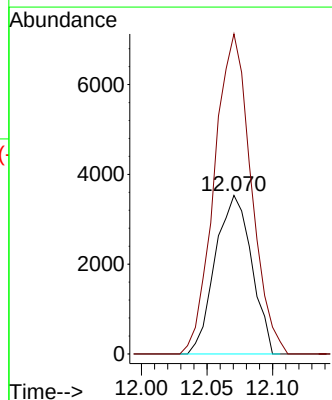
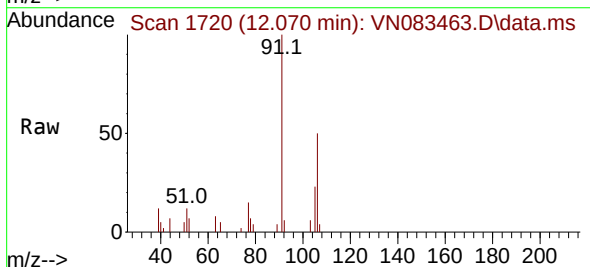
Acq: 23 Aug 2024 16:20

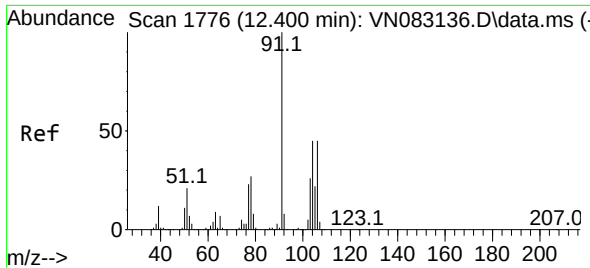
Tgt Ion: 106 Resp: 6815

Ion Ratio Lower Upper

106 100

91 203.9 166.1 249.1





#69

o-Xylene

Concen: 0.464 ug/l

RT: 12.400 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN083463.D

Acq: 23 Aug 2024 16:20

Instrument :

MSVOA_N

ClientSampleId :

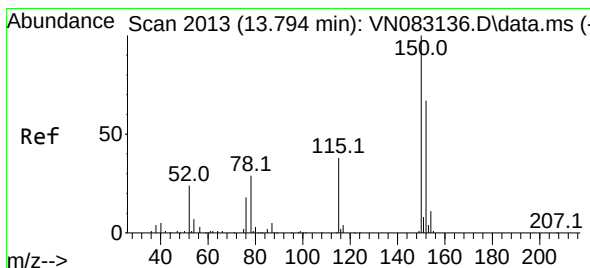
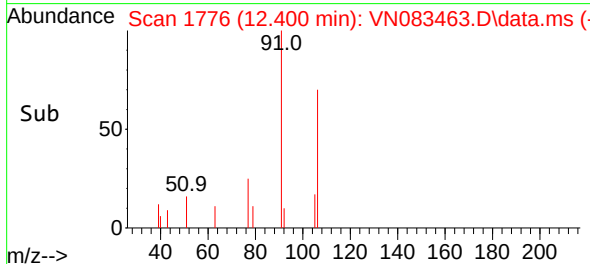
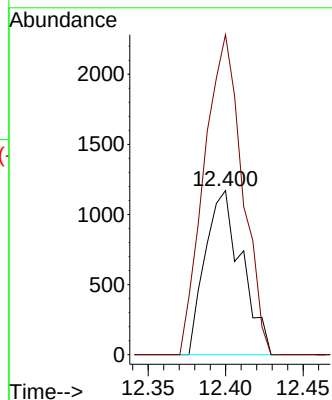
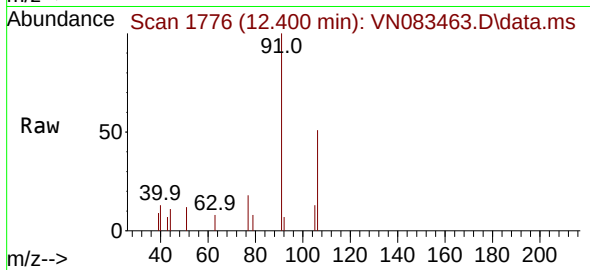
1050-MW-03A(17)

Tgt Ion:106 Resp: 1918

Ion Ratio Lower Upper

106 100

91 204.3 111.3 333.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. -0.000 min

Lab File: VN083463.D

Acq: 23 Aug 2024 16:20

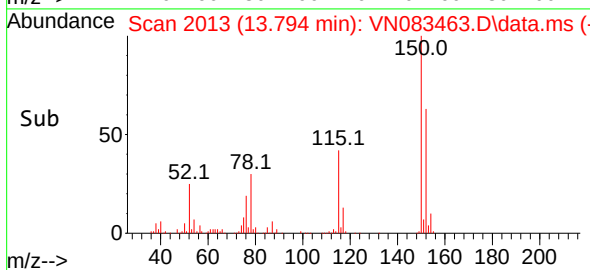
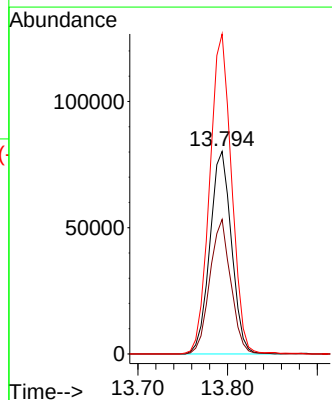
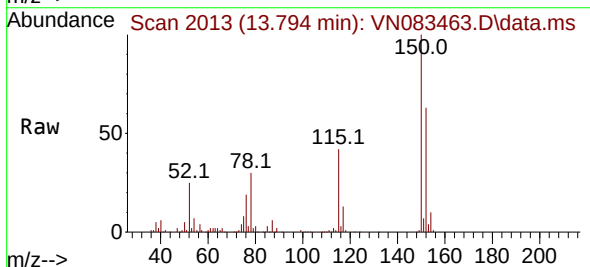
Tgt Ion:152 Resp: 134088

Ion Ratio Lower Upper

152 100

115 64.4 30.6 91.6

150 159.9 0.0 348.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082324\
Data File : VN083463.D
Acq On : 23 Aug 2024 16:20
Operator : JC\MD
Sample : P3716-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
1050-MW-03A(17)

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M

Title : SW846 8260

Signal : TIC: VN083463.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.295	53	58	67	rVB3	21476	41545	2.86%	0.534%
2	2.842	140	151	152	rBV6	9630	29012	2.00%	0.373%
3	4.442	414	423	441	rVB	17041	51114	3.52%	0.657%
4	5.777	641	650	662	rVB2	13237	36868	2.54%	0.474%
5	7.483	929	940	957	rBV2	117385	310491	21.38%	3.993%
6	8.165	1044	1056	1060	rBV	111009	252689	17.40%	3.250%
7	8.224	1060	1066	1081	rVB	179307	420584	28.96%	5.409%
8	8.577	1117	1126	1134	rBV	117374	269942	18.59%	3.471%
9	8.800	1157	1164	1184	rVB2	28771	107496	7.40%	1.382%
10	9.100	1207	1215	1226	rVB	308763	629643	43.36%	8.097%
11	9.353	1247	1258	1275	rVB	438106	920721	63.41%	11.841%
12	10.565	1456	1464	1476	rBV	436528	785140	54.07%	10.097%
13	11.106	1547	1556	1569	rBV	786215	1452112	100.00%	18.674%
14	11.865	1677	1685	1697	rBV	514748	891697	61.41%	11.467%
15	12.070	1713	1720	1726	rBV	19572	36481	2.51%	0.469%
16	12.853	1844	1853	1862	rBV	376544	656729	45.23%	8.446%
17	13.794	2004	2013	2024	rBV	522037	883710	60.86%	11.365%

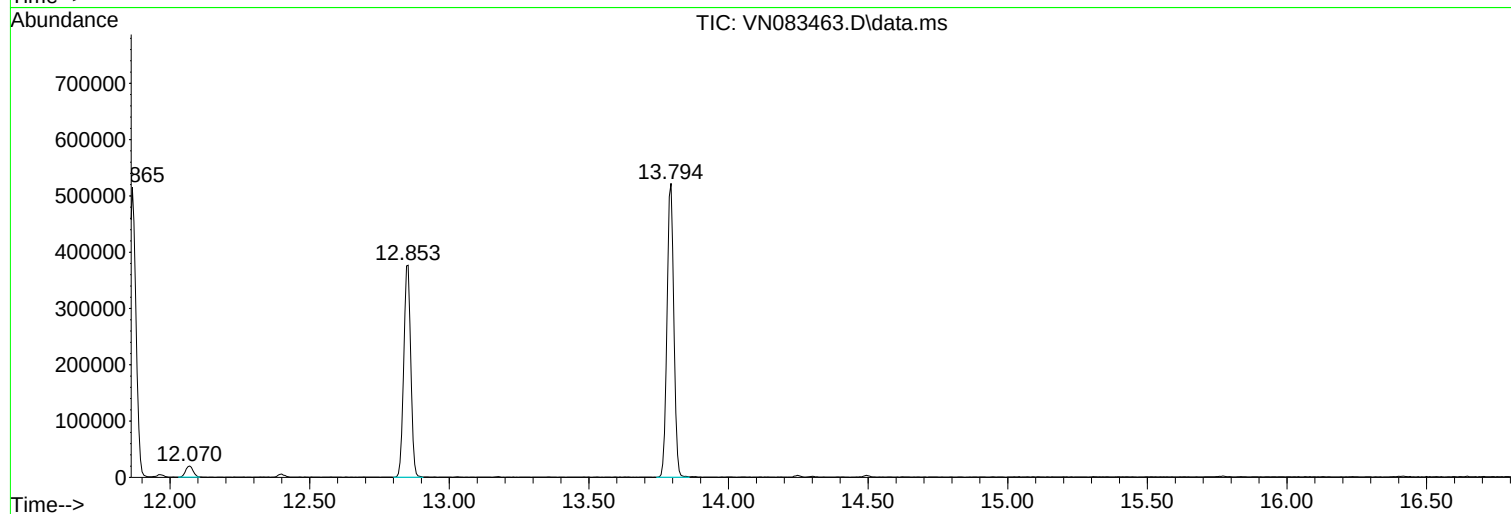
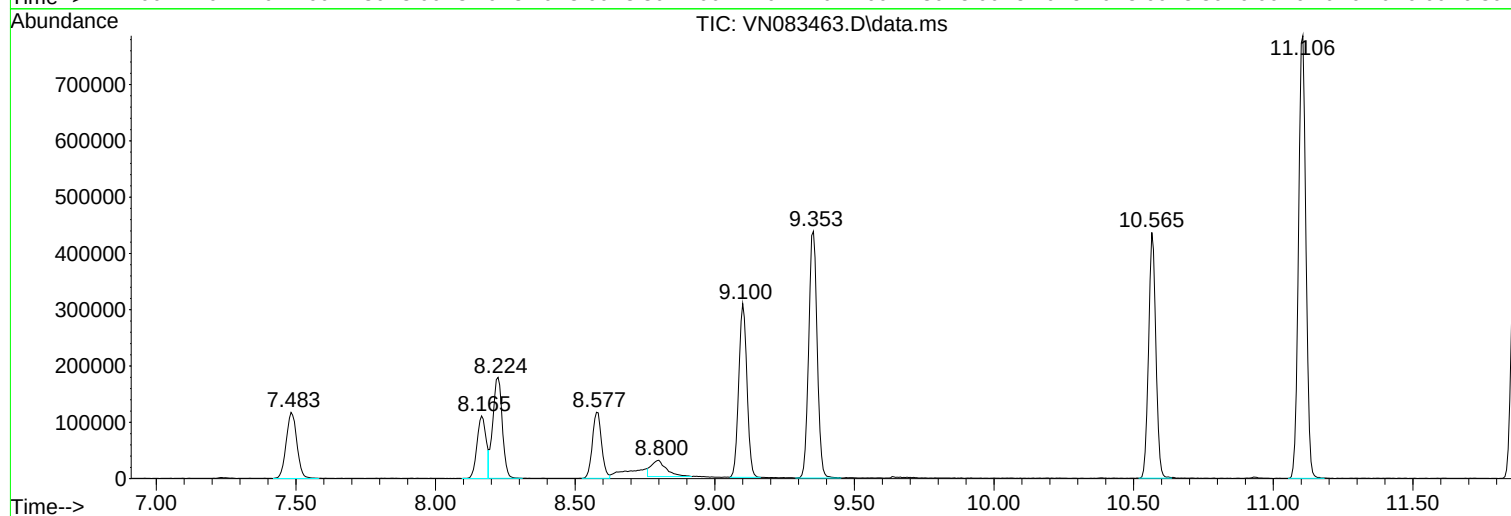
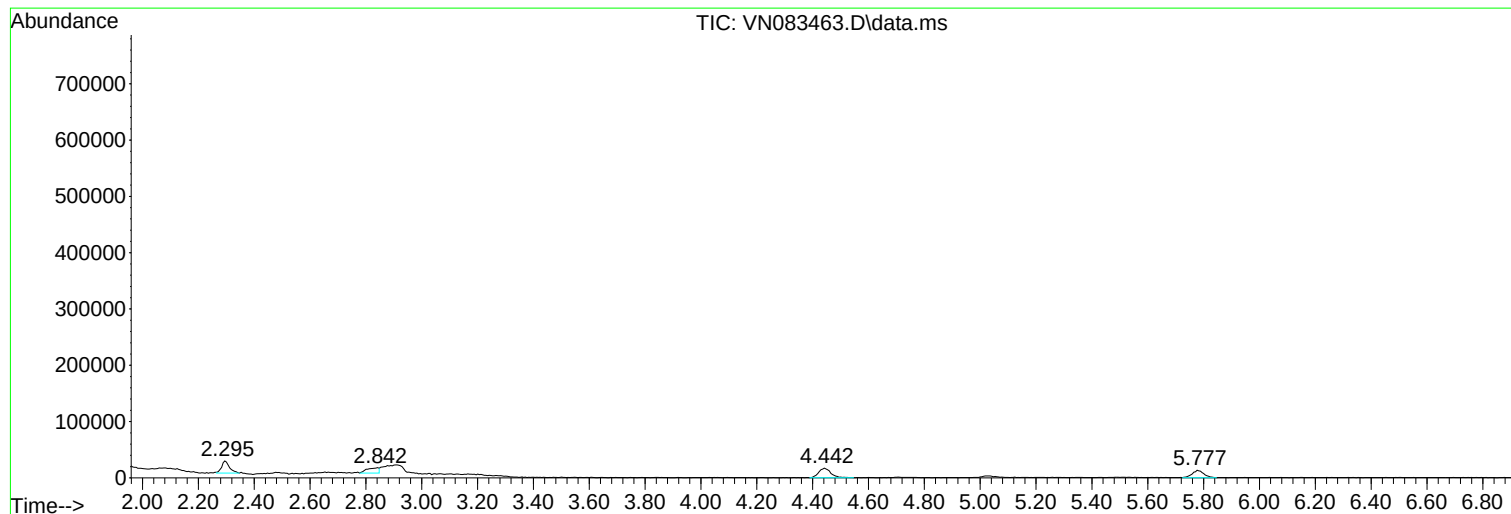
Sum of corrected areas: 7775974

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082324\
Data File : VN083463.D
Acq On : 23 Aug 2024 16:20
Operator : JC\MD
Sample : P3716-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
1050-MW-03A(17)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082324\
Data File : VN083463.D
Acq On : 23 Aug 2024 16:20
Operator : JC\MD
Sample : P3716-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
1050-MW-03A(17)

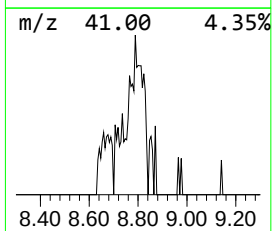
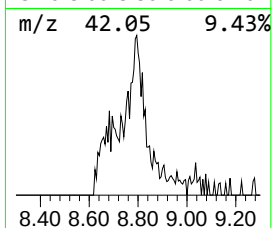
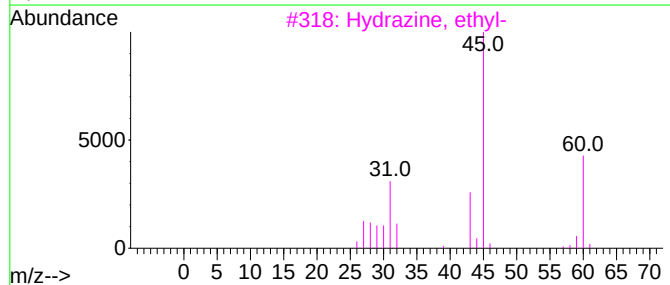
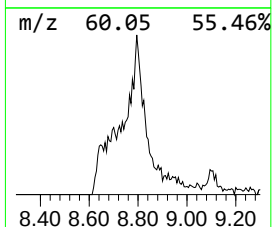
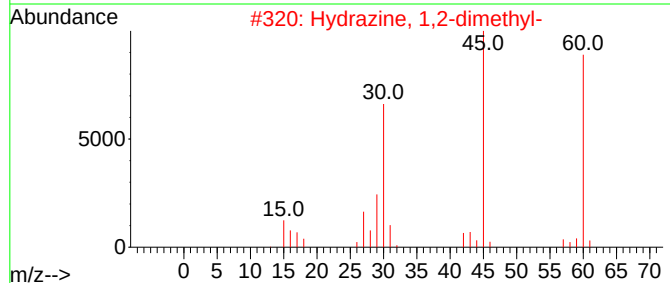
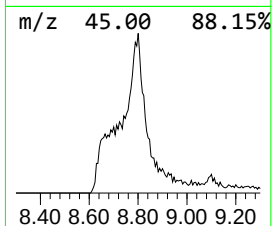
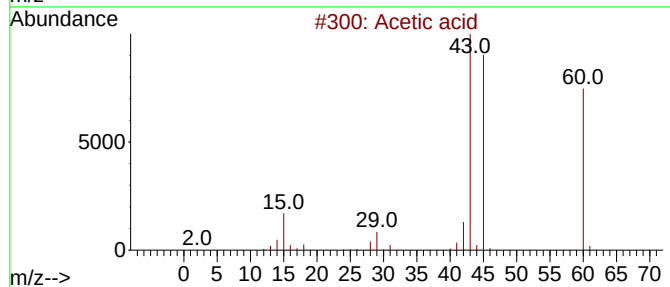
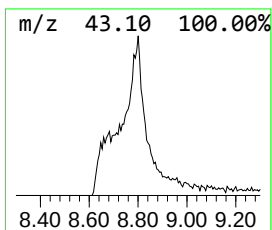
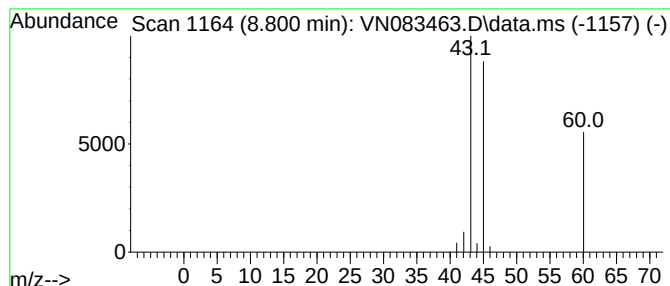
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
Quant Title : SW846 8260

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

Peak Number 2 Acetic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.800	8.54 ug/l	107496	1,4-Difluorobenzene	9.100

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Acetic acid	60	C2H4O2	000064-19-7	90
2			Hydrazine, 1,2-dimethyl-	60	C2H8N2	000540-73-8	56
3			Hydrazine, ethyl-	60	C2H8N2	000624-80-6	50
4			Formamide	45	CH3NO	000075-12-7	4
5			Hydrogen azide	43	HN3	007782-79-8	4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082324\
Data File : VN083463.D
Acq On : 23 Aug 2024 16:20
Operator : JC\MD
Sample : P3716-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
1050-MW-03A(17)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
Quant Title : SW846 8260

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

TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Acetic acid	8.800	8.5	ug/l	107496	2	9.100	629643	50.0

Report of Analysis

Client:	Day Environmental, Inc.		Date Collected:	08/20/24	
Project:	NYSDEC Andrews St Site #E828144		Date Received:	08/22/24	
Client Sample ID:	1051-MW-11(15)		SDG No.:	P3716	
Lab Sample ID:	P3716-06		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
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	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN083465.D	1		08/23/24 17:08	VN082324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.21	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.35	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.34	1.00	ug/L
74-83-9	Bromomethane	5.00	U	1.40	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.26	1.00	ug/L
67-64-1	Acetone	5.00	U	1.40	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.60	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	UQ	0.23	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.60	5.00	ug/L
78-93-3	2-Butanone	5.00	U	1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	26.6		0.25	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.18	1.00	ug/L
67-66-3	Chloroform	1.00	UQ	0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	UQ	0.19	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.19	1.00	ug/L
71-43-2	Benzene	1.00	UQ	0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	UQ	0.24	1.00	ug/L
79-01-6	Trichloroethene	24.8		0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	UQ	0.19	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.75	5.00	ug/L
108-88-3	Toluene	1.00	U	0.18	1.00	ug/L

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	08/20/24
Project:	NYSDEC Andrews St Site #E828144	Date Received:	08/22/24
Client Sample ID:	1051-MW-11(15)	SDG No.:	P3716
Lab Sample ID:	P3716-06	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
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
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN083465.D	1		08/23/24 17:08	VN082324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	1.00	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	1.10	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	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	150	E	0.25	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.13	1.00	ug/L
100-41-4	Ethyl Benzene	0.29	J	0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	1.20	J	0.31	2.00	ug/L
95-47-6	o-Xylene	0.33	J	0.14	1.00	ug/L
100-42-5	Styrene	1.00	U	0.16	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.21	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	58.1		74 - 125	116%	SPK: 50
1868-53-7	Dibromofluoromethane	50.7		75 - 124	101%	SPK: 50
2037-26-5	Toluene-d8	49.2		86 - 113	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	58.0		77 - 121	116%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	126000	8.224			
540-36-3	1,4-Difluorobenzene	257000	9.1			
3114-55-4	Chlorobenzene-d5	280000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	136000	13.794			
TENTATIVE IDENTIFIED COMPOUNDS						

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	08/20/24
Project:	NYSDEC Andrews St Site #E828144	Date Received:	08/22/24
Client Sample ID:	1051-MW-11(15)	SDG No.:	P3716
Lab Sample ID:	P3716-06	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
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
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN083465.D	1		08/23/24 17:08	VN082324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
000109-87-5	Methylal	19.5	J		4.44	ug/L

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\VN082324\
Data File : VN083465.D
Acq On : 23 Aug 2024 17:08
Operator : JC\MD
Sample : P3716-06
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
1051-MW-11(15)

Quant Time: Aug 24 00:04:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 08 06:30:41 2024
Response via : Initial Calibration

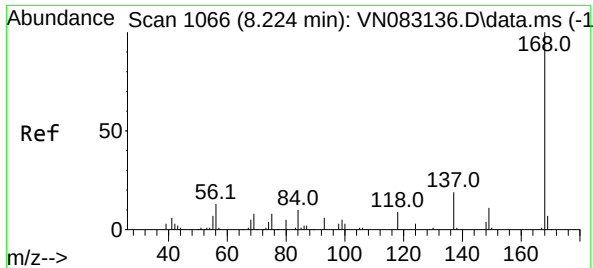
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	126325	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	256735	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	279795	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	135565	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	104468	58.099	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 116.200%		
35) Dibromofluoromethane	8.165	113	81232	50.691	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 101.380%		
50) Toluene-d8	10.565	98	294178	49.213	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 98.420%		
62) 4-Bromofluorobenzene	12.847	95	135091	57.968	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 115.940%		
Target Compounds						
						Qvalue
27) cis-1,2-Dichloroethene	7.482	96	46467	26.606	ug/l	85
44) Trichloroethene	9.347	130	42572	24.767	ug/l	92
64) Tetrachloroethene	11.106	164	274067	147.903	ug/l	96
67) Ethyl Benzene	11.970	91	3316	0.292	ug/l #	73
68) m/p-Xylenes	12.070	106	5306	1.249	ug/l	91
69) o-Xylene	12.406	106	1378	0.329	ug/l	98

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

Instrument :
MSVOA_N
ClientSampleId :
1051-MW-11(15)

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

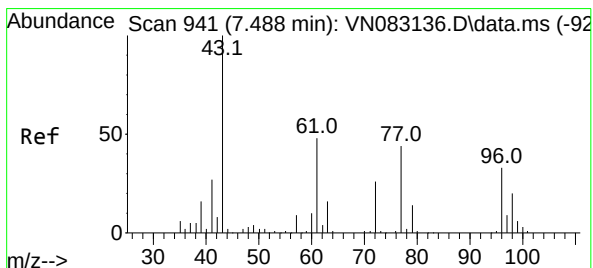
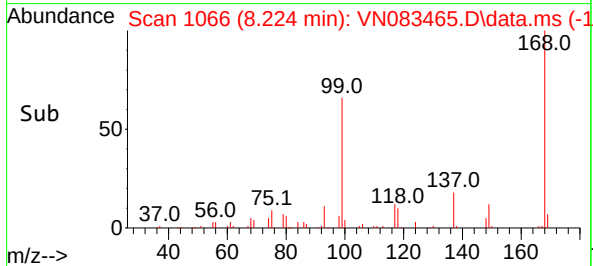
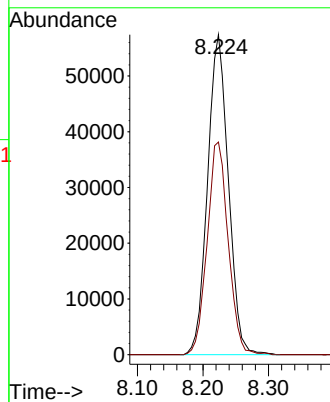
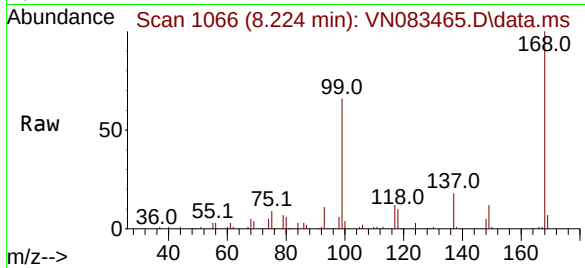




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083465.D
Acq: 23 Aug 2024 17:08

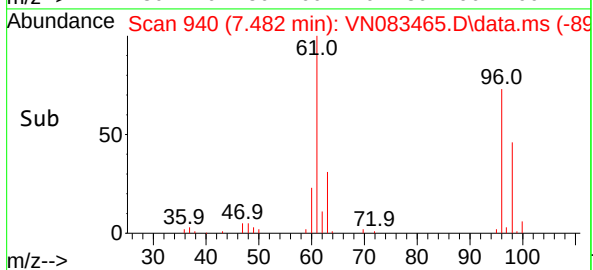
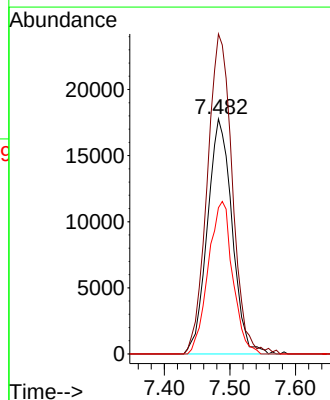
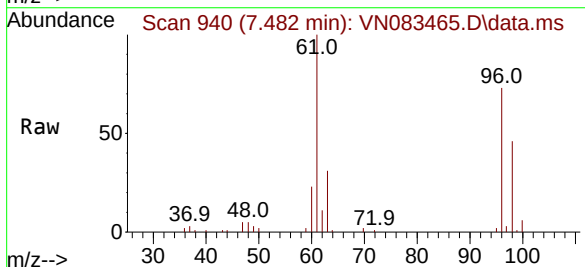
Instrument :
MSVOA_N
ClientSampleId :
1051-MW-11(15)

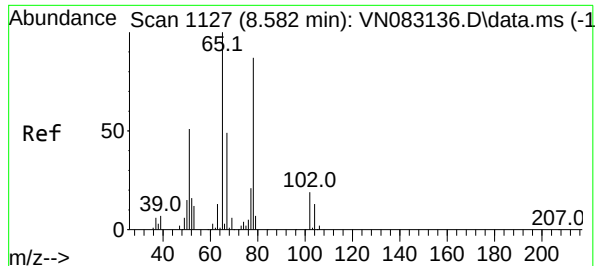
Tgt Ion:168 Resp: 126325
Ion Ratio Lower Upper
168 100
99 66.5 48.2 72.4



#27
cis-1,2-Dichloroethene
Concen: 26.606 ug/l
RT: 7.482 min Scan# 940
Delta R.T. -0.006 min
Lab File: VN083465.D
Acq: 23 Aug 2024 17:08

Tgt Ion: 96 Resp: 46467
Ion Ratio Lower Upper
96 100
61 137.9 0.0 329.6
98 64.1 0.0 128.6





#33

1,2-Dichloroethane-d4

Concen: 58.099 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.005 min

Lab File: VN083465.D

Acq: 23 Aug 2024 17:08

Instrument :

MSVOA_N

ClientSampleId :

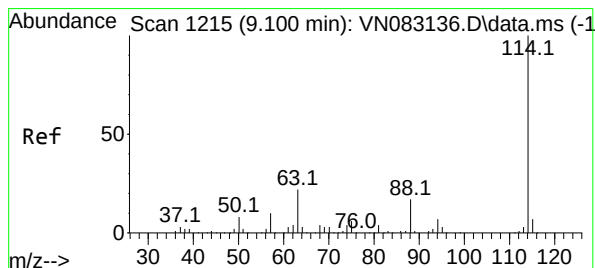
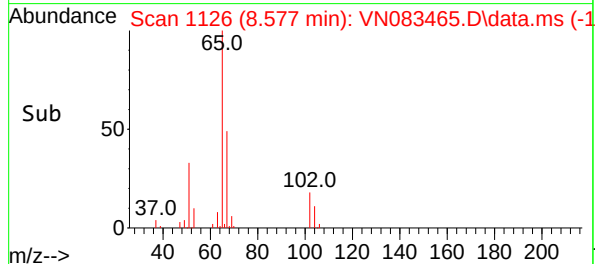
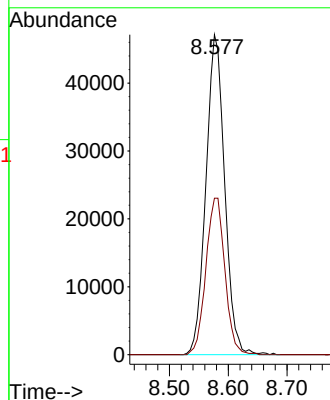
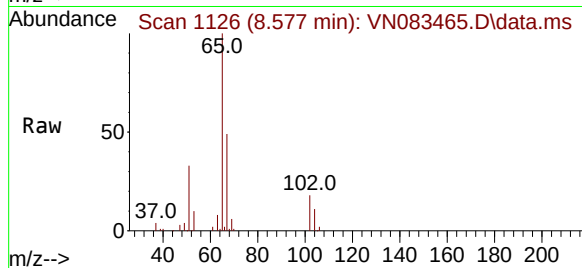
1051-MW-11(15)

Tgt Ion: 65 Resp: 104468

Ion Ratio Lower Upper

65 100

67 49.7 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN083465.D

Acq: 23 Aug 2024 17:08

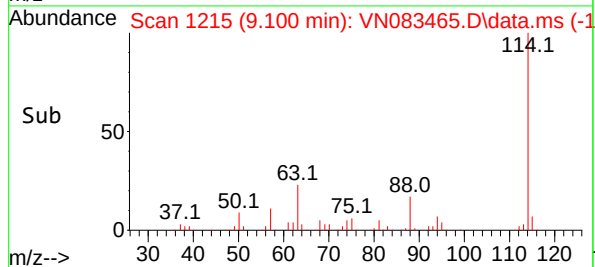
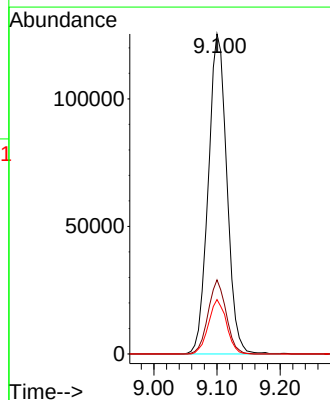
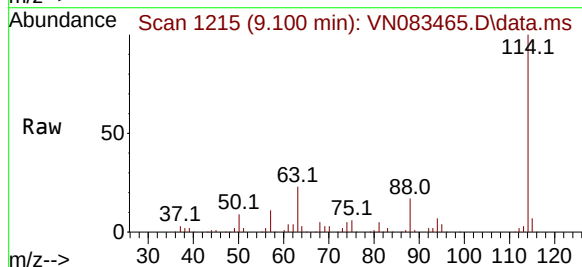
Tgt Ion: 114 Resp: 256735

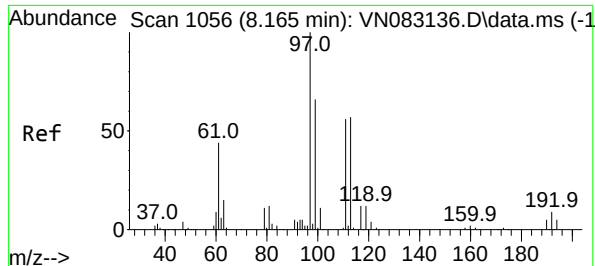
Ion Ratio Lower Upper

114 100

63 23.2 0.0 44.6

88 17.0 0.0 31.4





#35

Dibromofluoromethane

Concen: 50.691 ug/l

RT: 8.165 min Scan# 110

Delta R.T. -0.000 min

Lab File: VN083465.D

Acq: 23 Aug 2024 17:08

Instrument :

MSVOA_N

ClientSampleId :

1051-MW-11(15)

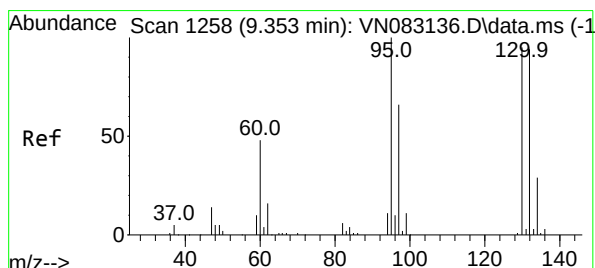
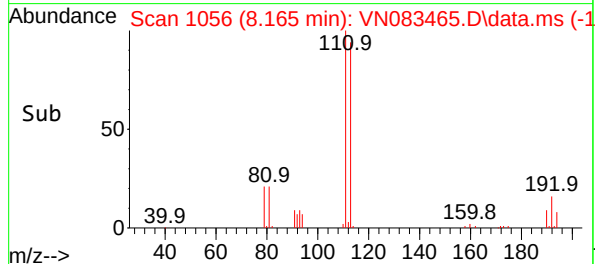
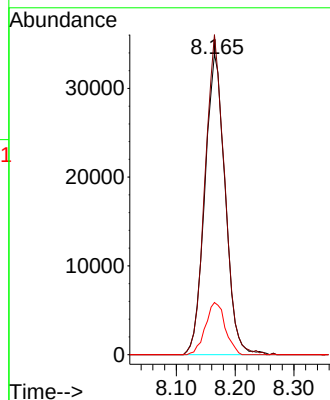
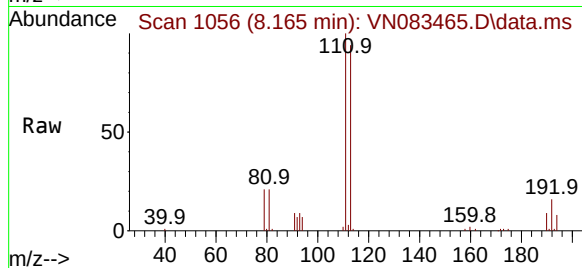
Tgt Ion:113 Resp: 81232

Ion Ratio Lower Upper

113 100

111 102.5 82.4 123.6

192 16.9 14.9 22.3



#44

Trichloroethene

Concen: 24.767 ug/l

RT: 9.347 min Scan# 1257

Delta R.T. -0.006 min

Lab File: VN083465.D

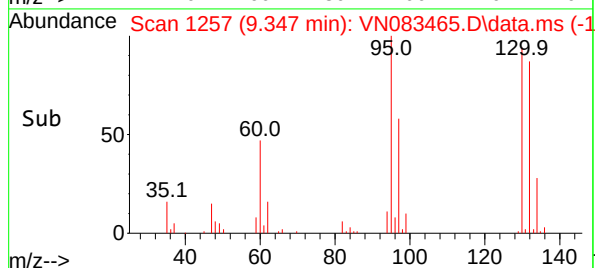
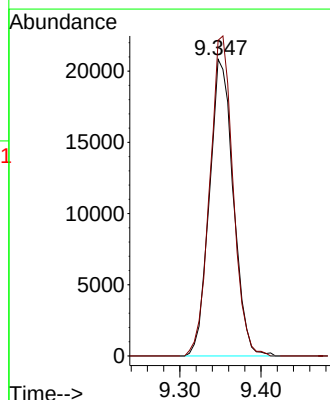
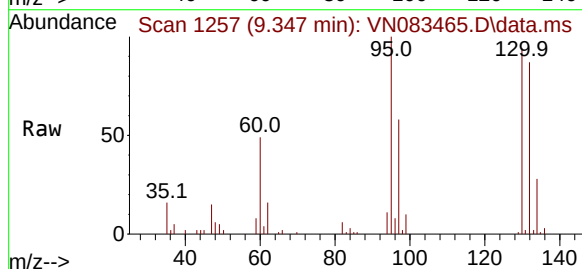
Acq: 23 Aug 2024 17:08

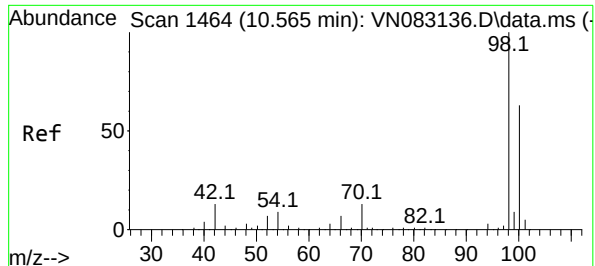
Tgt Ion:130 Resp: 42572

Ion Ratio Lower Upper

130 100

95 106.4 0.0 197.8





#50

Toluene-d8

Concen: 49.213 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN083465.D

Acq: 23 Aug 2024 17:08

Instrument :

MSVOA_N

ClientSampleId :

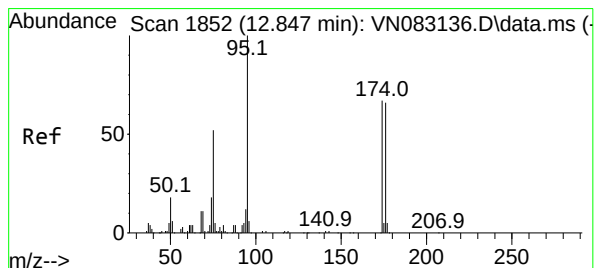
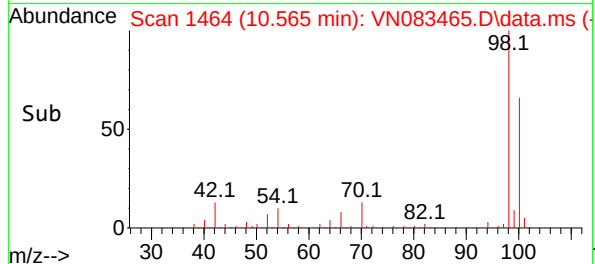
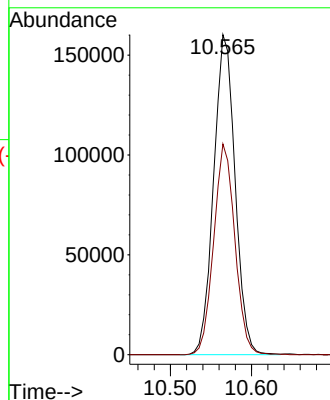
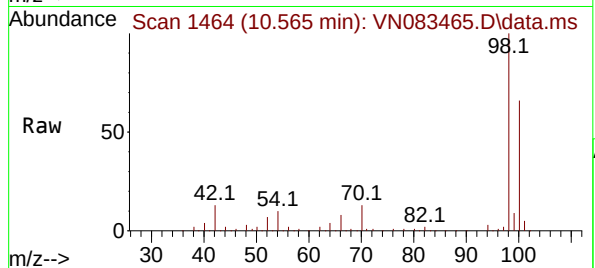
1051-MW-11(15)

Tgt Ion: 98 Resp: 294178

Ion Ratio Lower Upper

98 100

100 65.1 51.5 77.3



#62

4-Bromofluorobenzene

Concen: 57.968 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.000 min

Lab File: VN083465.D

Acq: 23 Aug 2024 17:08

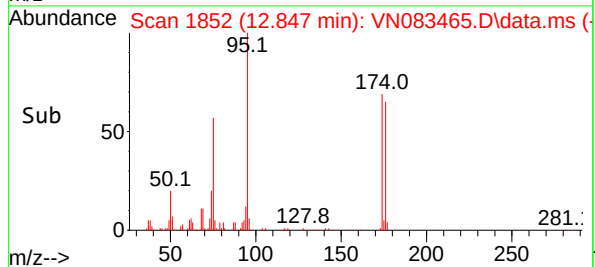
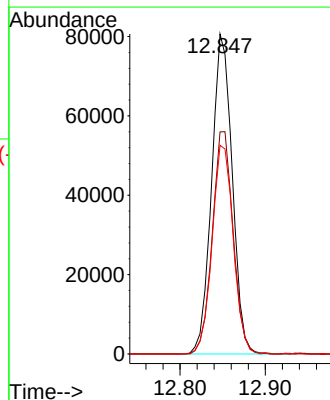
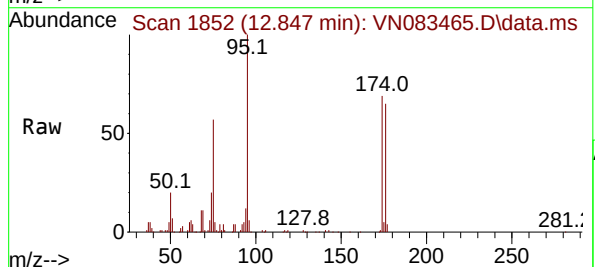
Tgt Ion: 95 Resp: 135091

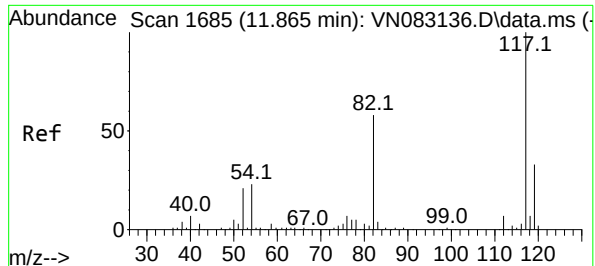
Ion Ratio Lower Upper

95 100

174 70.7 0.0 159.2

176 67.2 0.0 147.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN083465.D

Acq: 23 Aug 2024 17:08

Instrument :

MSVOA_N

ClientSampleId :

1051-MW-11(15)

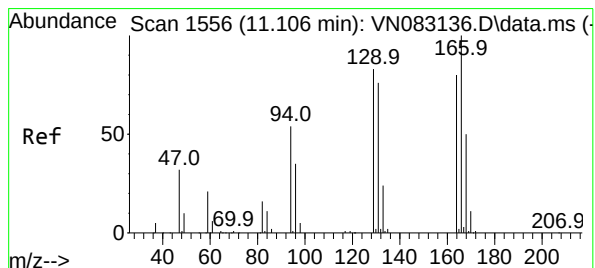
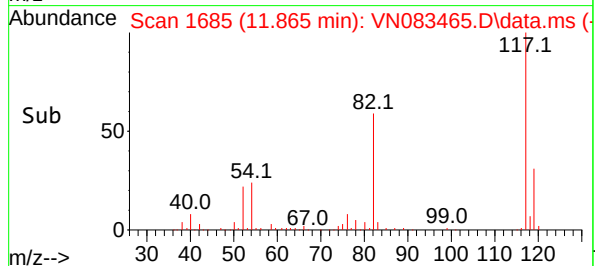
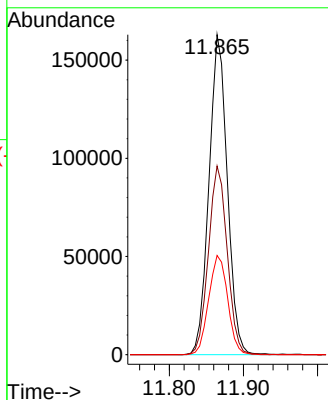
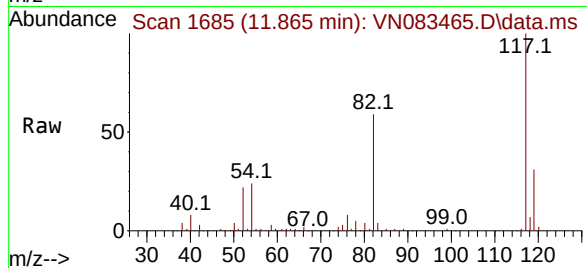
Tgt Ion:117 Resp: 279795

Ion Ratio Lower Upper

117 100

82 58.9 47.5 71.3

119 31.0 25.6 38.4



#64

Tetrachloroethene

Concen: 147.903 ug/l

RT: 11.106 min Scan# 1556

Delta R.T. -0.000 min

Lab File: VN083465.D

Acq: 23 Aug 2024 17:08

Tgt Ion:164 Resp: 274067

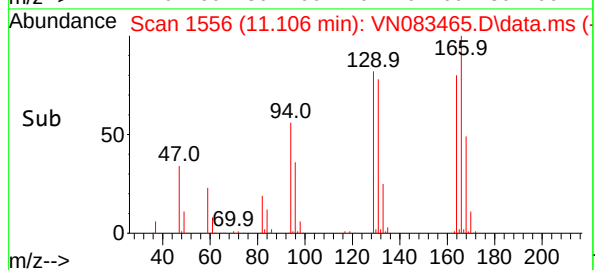
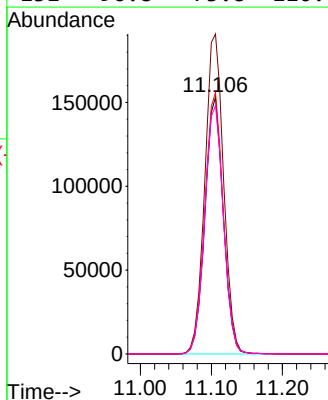
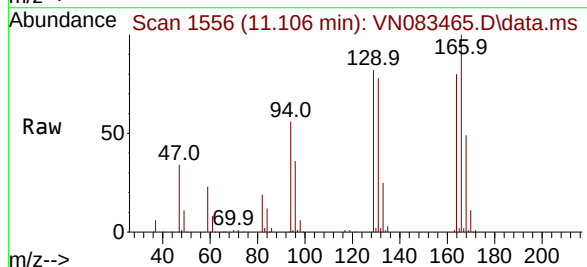
Ion Ratio Lower Upper

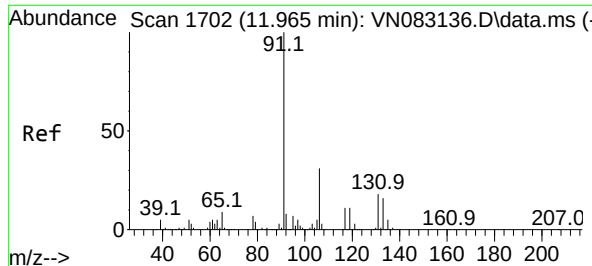
164 100

166 124.6 101.4 152.0

129 101.8 75.7 113.5

131 96.8 73.8 110.6





#67

Ethyl Benzene

Concen: 0.292 ug/l

RT: 11.970 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN083465.D

Acq: 23 Aug 2024 17:08

Instrument :

MSVOA_N

ClientSampleId :

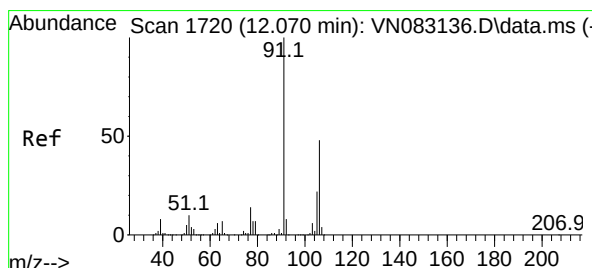
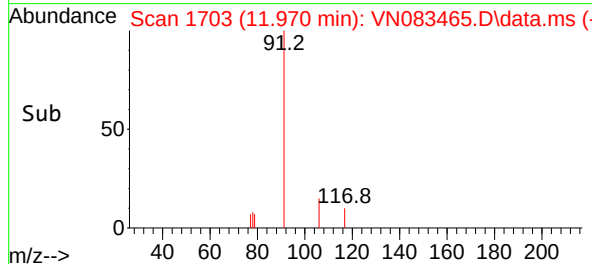
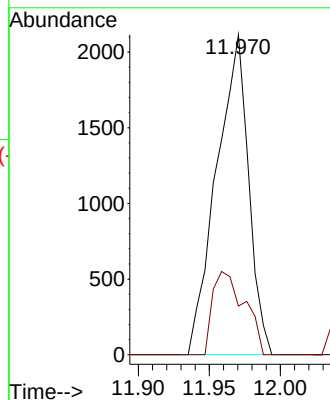
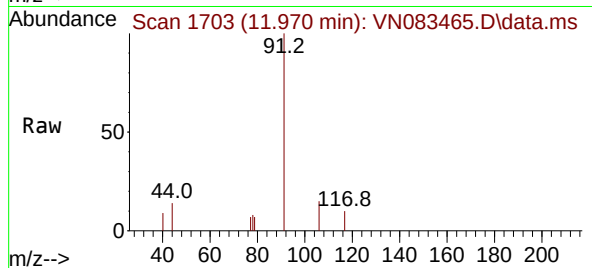
1051-MW-11(15)

Tgt Ion: 91 Resp: 3316

Ion Ratio Lower Upper

91 100

106 15.2 24.0 36.0#



#68

m/p-Xylenes

Concen: 1.249 ug/l

RT: 12.070 min Scan# 1720

Delta R.T. -0.000 min

Lab File: VN083465.D

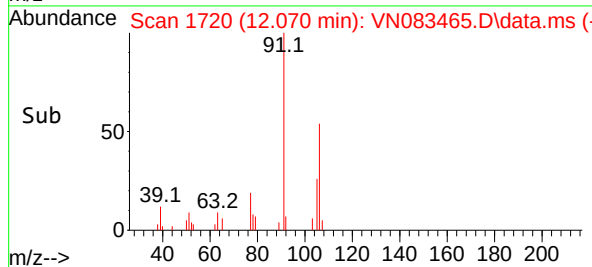
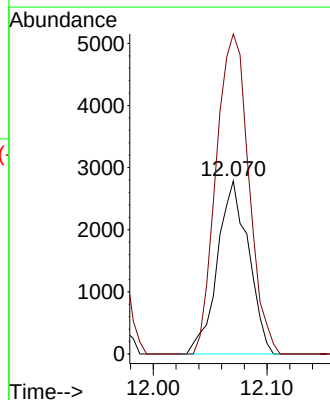
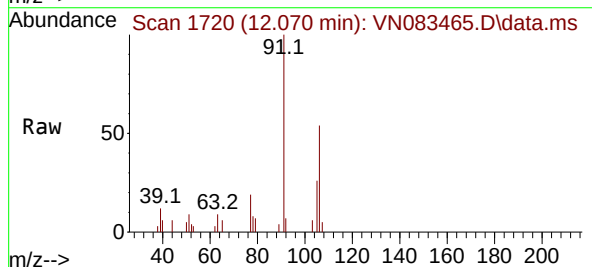
Acq: 23 Aug 2024 17:08

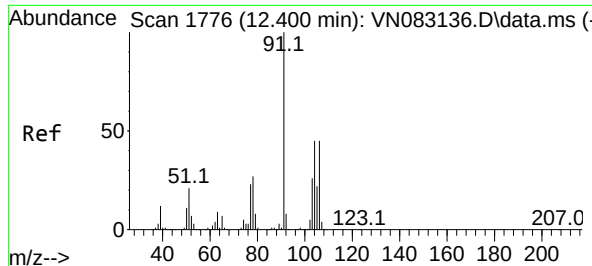
Tgt Ion: 106 Resp: 5306

Ion Ratio Lower Upper

106 100

91 193.7 166.1 249.1





#69

o-Xylene

Concen: 0.329 ug/l

RT: 12.406 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN083465.D

Acq: 23 Aug 2024 17:08

Instrument :

MSVOA_N

ClientSampleId :

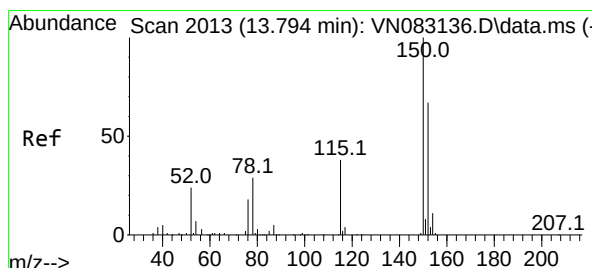
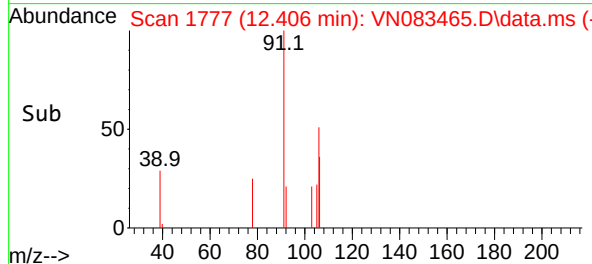
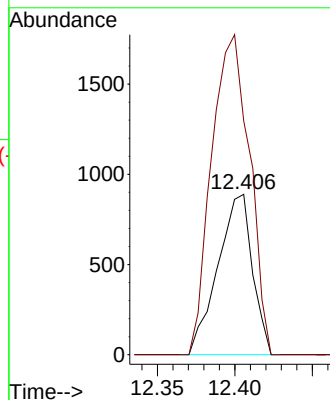
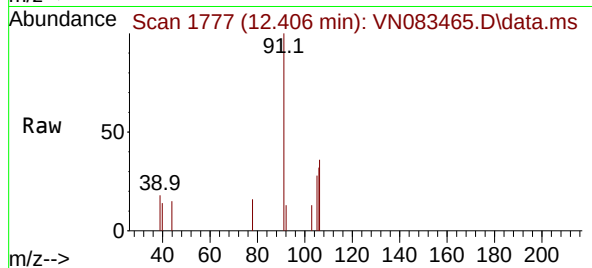
1051-MW-11(15)

Tgt Ion:106 Resp: 1378

Ion Ratio Lower Upper

106 100

91 219.0 111.3 333.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. -0.000 min

Lab File: VN083465.D

Acq: 23 Aug 2024 17:08

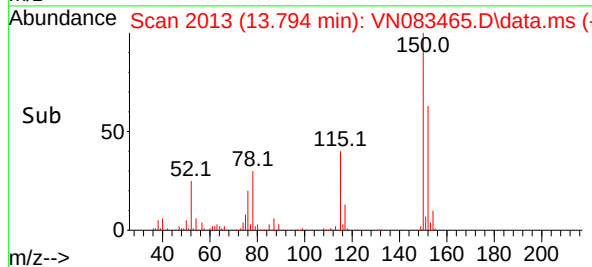
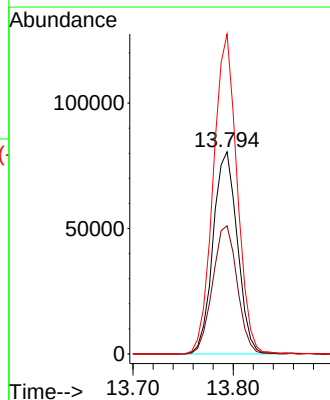
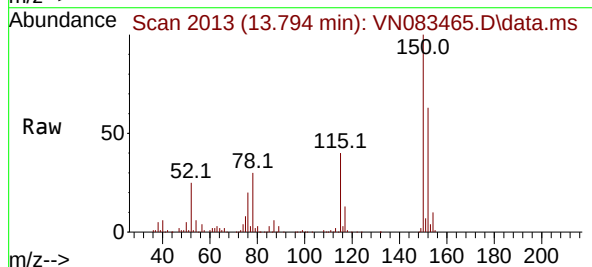
Tgt Ion:152 Resp: 135565

Ion Ratio Lower Upper

152 100

115 64.3 30.6 91.6

150 155.1 0.0 348.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082324\
Data File : VN083465.D
Acq On : 23 Aug 2024 17:08
Operator : JC\MD
Sample : P3716-06
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
1051-MW-11(15)

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M

Title : SW846 8260

Signal : TIC: VN083465.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.295	53	58	68	rVB4	24928	47635	2.06%	0.605%
2	4.442	412	423	435	rBV	52261	155577	6.74%	1.974%
3	7.482	928	940	954	rBV2	78816	209982	9.09%	2.665%
4	8.165	1047	1056	1061	rBV	114814	277416	12.01%	3.521%
5	8.224	1061	1066	1077	rVB	185748	398998	17.27%	5.064%
6	8.577	1117	1126	1134	rBV	120977	269705	11.68%	3.423%
7	8.794	1156	1163	1176	rVB4	15336	55924	2.42%	0.710%
8	9.100	1206	1215	1226	rVB	312929	631673	27.35%	8.017%
9	9.347	1250	1257	1271	rVB2	122818	251742	10.90%	3.195%
10	10.565	1456	1464	1474	rBV	436451	800519	34.66%	10.160%
11	11.106	1547	1556	1568	rBV	1264229	2309787	100.00%	29.315%
12	11.865	1677	1685	1695	rBV	514146	901636	39.04%	11.443%
13	12.070	1712	1720	1727	rBV	15099	28987	1.25%	0.368%
14	12.847	1845	1852	1864	rBV	389141	659817	28.57%	8.374%
15	13.794	2005	2013	2023	rBV	522755	879916	38.10%	11.167%

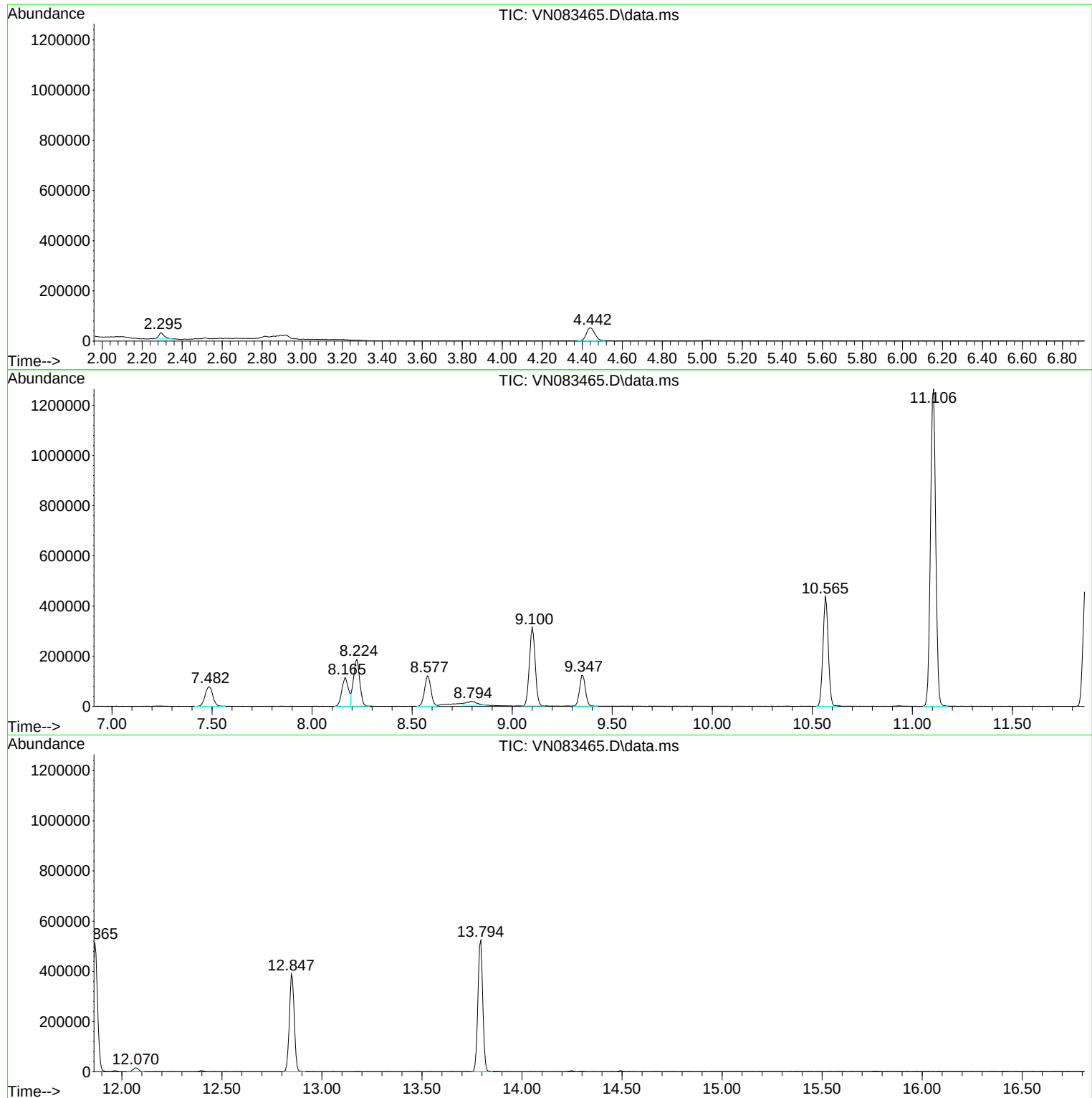
Sum of corrected areas: 7879314

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082324\
Data File : VN083465.D
Acq On : 23 Aug 2024 17:08
Operator : JC\MD
Sample : P3716-06
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
1051-MW-11(15)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082324\
Data File : VN083465.D
Acq On : 23 Aug 2024 17:08
Operator : JC\MD
Sample : P3716-06
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
1051-MW-11(15)

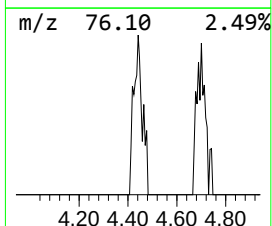
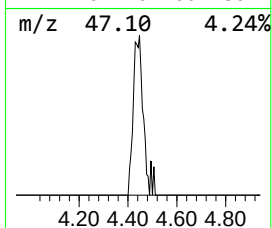
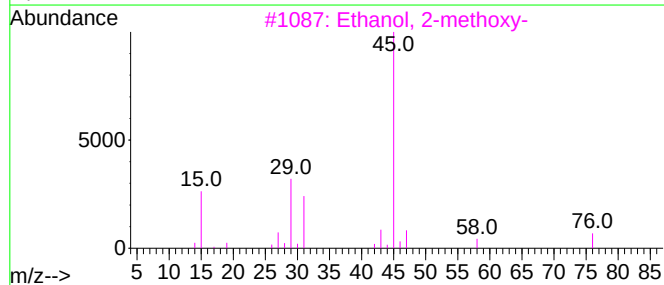
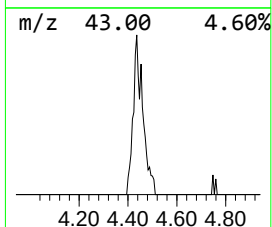
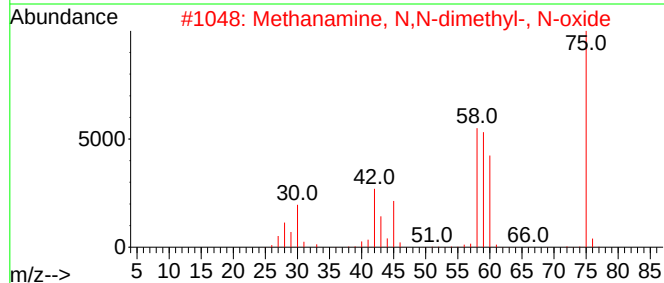
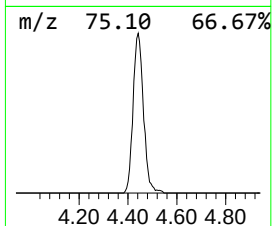
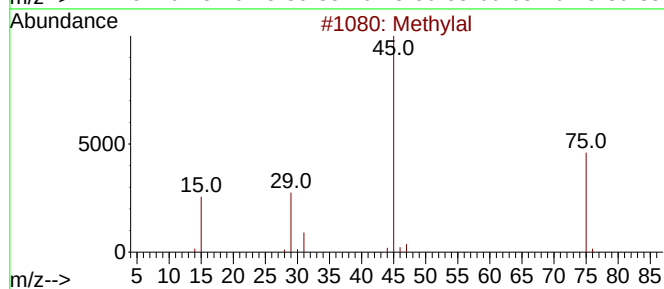
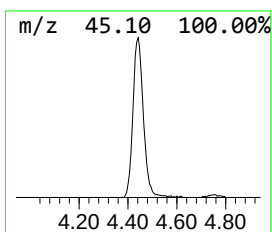
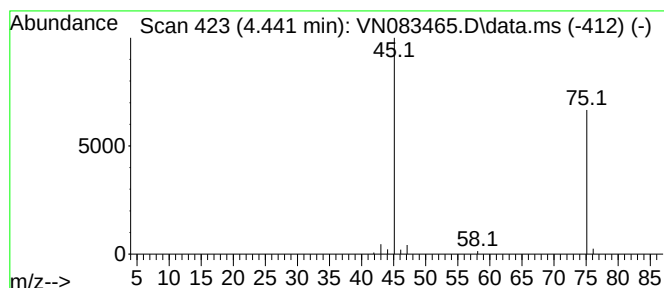
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
Quant Title : SW846 8260

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

Peak Number 2 Methylal Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.441	19.50 ug/l	155577	Pentafluorobenzene	8.224

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Methylal	76	C3H8O2	000109-87-5	83
2			Methanamine, N,N-dimethyl-, N-oxide	75	C3H9NO	001184-78-7	9
3			Ethanol, 2-methoxy-	76	C3H8O2	000109-86-4	9
4			(S)-(+)-1,2-Propanediol	76	C3H8O2	004254-15-3	4
5			Formamide	45	CH3NO	000075-12-7	4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082324\
Data File : VN083465.D
Acq On : 23 Aug 2024 17:08
Operator : JC\MD
Sample : P3716-06
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
1051-MW-11(15)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.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--			
					#	RT	Resp	Conc
Methylal	4.441	19.5	ug/l	155577	1	8.224	398998	50.0

Report of Analysis

Client:	Day Environmental, Inc.		Date Collected:	08/20/24	
Project:	NYSDEC Andrews St Site #E828144		Date Received:	08/22/24	
Client Sample ID:	1051-MW-11(15)DL		SDG No.:	P3716	
Lab Sample ID:	P3716-06DL		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
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	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN083477.D	4		08/26/24 12:55	VN082624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	4.00	UD	0.84	4.00	ug/L
74-87-3	Chloromethane	4.00	UD	1.40	4.00	ug/L
75-01-4	Vinyl Chloride	4.00	UD	1.40	4.00	ug/L
74-83-9	Bromomethane	20.0	UD	5.40	20.0	ug/L
75-00-3	Chloroethane	4.00	UD	2.20	4.00	ug/L
75-69-4	Trichlorofluoromethane	4.00	UD	1.40	4.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	4.00	UD	1.00	4.00	ug/L
75-35-4	1,1-Dichloroethene	4.00	UD	1.00	4.00	ug/L
67-64-1	Acetone	20.0	UD	5.60	20.0	ug/L
75-15-0	Carbon Disulfide	4.00	UD	1.30	4.00	ug/L
1634-04-4	Methyl tert-butyl Ether	4.00	UD	0.64	4.00	ug/L
79-20-9	Methyl Acetate	4.00	UD	2.40	4.00	ug/L
75-09-2	Methylene Chloride	4.00	UD	1.30	4.00	ug/L
156-60-5	trans-1,2-Dichloroethene	4.00	UD	1.00	4.00	ug/L
75-34-3	1,1-Dichloroethane	4.00	UD	0.92	4.00	ug/L
110-82-7	Cyclohexane	20.0	UD	6.50	20.0	ug/L
78-93-3	2-Butanone	20.0	UD	5.20	20.0	ug/L
56-23-5	Carbon Tetrachloride	4.00	UD	1.00	4.00	ug/L
156-59-2	cis-1,2-Dichloroethene	26.8	D	1.00	4.00	ug/L
74-97-5	Bromochloromethane	4.00	UD	0.72	4.00	ug/L
67-66-3	Chloroform	4.00	UD	1.00	4.00	ug/L
71-55-6	1,1,1-Trichloroethane	4.00	UD	0.76	4.00	ug/L
108-87-2	Methylcyclohexane	4.00	UD	0.76	4.00	ug/L
71-43-2	Benzene	4.00	UD	0.64	4.00	ug/L
107-06-2	1,2-Dichloroethane	4.00	UDQ	0.96	4.00	ug/L
79-01-6	Trichloroethene	26.4	D	1.30	4.00	ug/L
78-87-5	1,2-Dichloropropane	4.00	UD	0.76	4.00	ug/L
75-27-4	Bromodichloromethane	4.00	UD	0.96	4.00	ug/L
108-10-1	4-Methyl-2-Pentanone	20.0	UD	3.00	20.0	ug/L
108-88-3	Toluene	4.00	UD	0.72	4.00	ug/L

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	08/20/24
Project:	NYSDEC Andrews St Site #E828144	Date Received:	08/22/24
Client Sample ID:	1051-MW-11(15)DL	SDG No.:	P3716
Lab Sample ID:	P3716-06DL	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
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
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN083477.D	4		08/26/24 12:55	VN082624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	4.00	UD	0.84	4.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	4.00	UD	0.72	4.00	ug/L
79-00-5	1,1,2-Trichloroethane	4.00	UDQ	0.84	4.00	ug/L
591-78-6	2-Hexanone	20.0	UD	4.50	20.0	ug/L
124-48-1	Dibromochloromethane	4.00	UD	0.72	4.00	ug/L
106-93-4	1,2-Dibromoethane	4.00	UD	0.64	4.00	ug/L
127-18-4	Tetrachloroethene	140	D	1.00	4.00	ug/L
108-90-7	Chlorobenzene	4.00	UD	0.52	4.00	ug/L
100-41-4	Ethyl Benzene	4.00	UD	0.64	4.00	ug/L
179601-23-1	m/p-Xylenes	8.00	UD	1.20	8.00	ug/L
95-47-6	o-Xylene	4.00	UD	0.56	4.00	ug/L
100-42-5	Styrene	4.00	UD	0.64	4.00	ug/L
75-25-2	Bromoform	4.00	UD	0.84	4.00	ug/L
98-82-8	Isopropylbenzene	4.00	UD	0.52	4.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	4.00	UD	1.10	4.00	ug/L
541-73-1	1,3-Dichlorobenzene	4.00	UD	0.96	4.00	ug/L
106-46-7	1,4-Dichlorobenzene	4.00	UD	1.10	4.00	ug/L
95-50-1	1,2-Dichlorobenzene	4.00	UD	0.76	4.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	4.00	UD	1.80	4.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	4.00	UD	1.70	4.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	4.00	UD	2.00	4.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.5		74 - 125	111%	SPK: 50
1868-53-7	Dibromofluoromethane	51.6		75 - 124	103%	SPK: 50
2037-26-5	Toluene-d8	49.3		86 - 113	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.0		77 - 121	112%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	122000	8.224			
540-36-3	1,4-Difluorobenzene	246000	9.1			
3114-55-4	Chlorobenzene-d5	259000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	120000	13.794			

Report of Analysis

Client:	Day Environmental, Inc.		Date Collected:	08/20/24	
Project:	NYSDEC Andrews St Site #E828144		Date Received:	08/22/24	
Client Sample ID:	1051-MW-11(15)DL		SDG No.:	P3716	
Lab Sample ID:	P3716-06DL		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
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	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN083477.D	4		08/26/24 12:55	VN082624

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\VN082624\
Data File : VN083477.D
Acq On : 26 Aug 2024 12:55
Operator : JC\MD
Sample : P3716-06DL 4X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
1051-MW-11(15)DL

Quant Time: Aug 27 01:54:17 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 08 06:30:41 2024
Response via : Initial Calibration

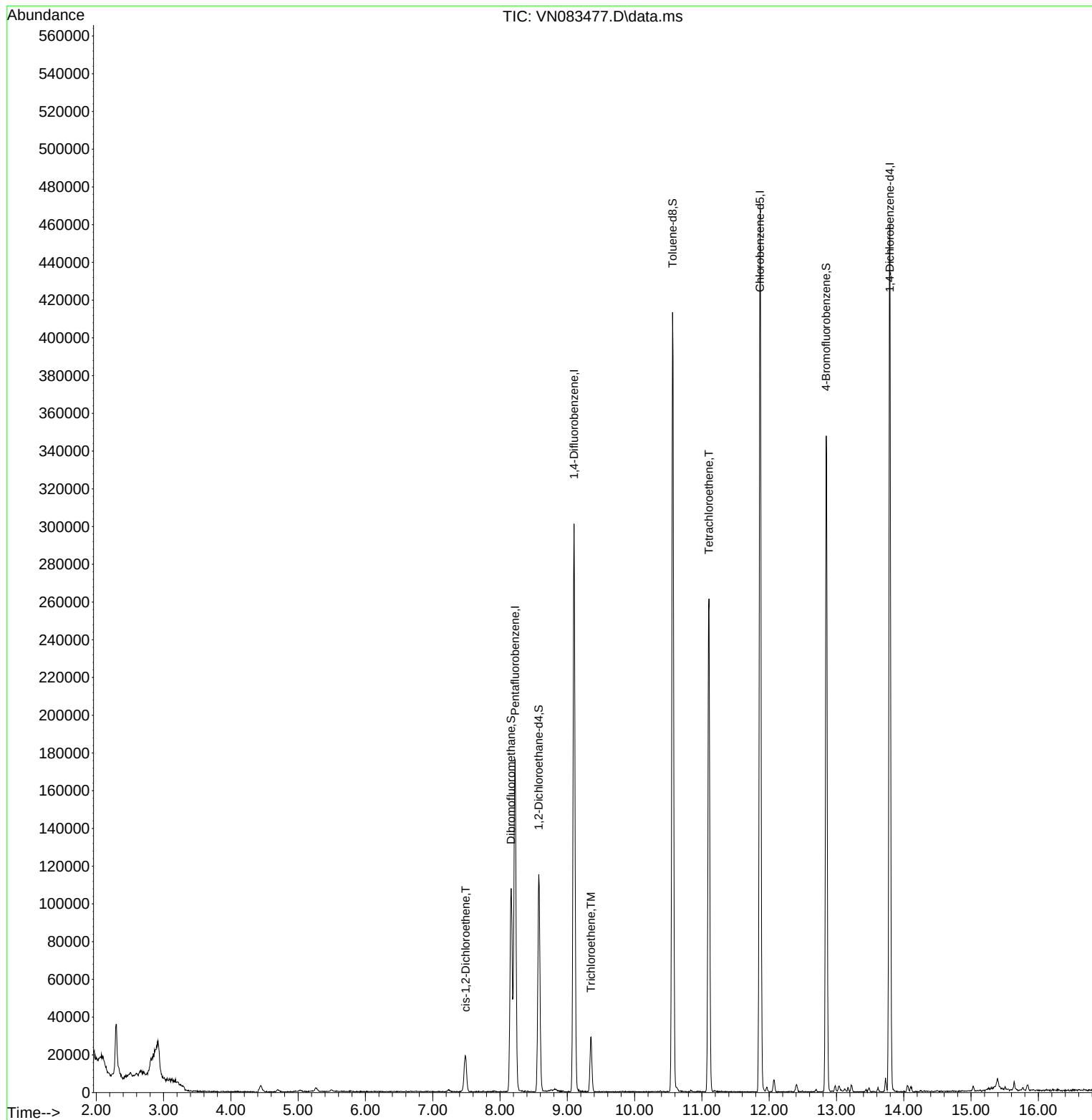
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	122225	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	245532	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	259019	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	119935	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	96536	55.489	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 110.980%		
35) Dibromofluoromethane	8.165	113	79137	51.637	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 103.280%		
50) Toluene-d8	10.565	98	281904	49.311	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 98.620%		
62) 4-Bromofluorobenzene	12.847	95	124699	55.950	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 111.900%		
Target Compounds						Qvalue
27) cis-1,2-Dichloroethene	7.488	96	11321	6.700	ug/l	89
44) Trichloroethene	9.353	130	10857	6.605	ug/l	93
64) Tetrachloroethene	11.106	164	58687	34.211	ug/l	93

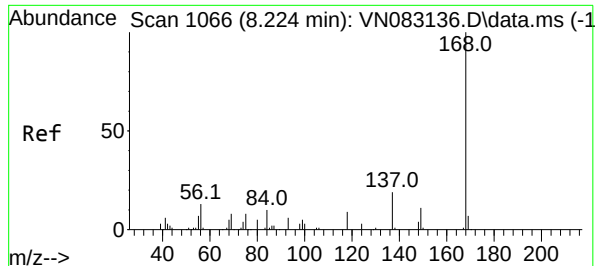
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082624\
Data File : VN083477.D
Acq On : 26 Aug 2024 12:55
Operator : JC\MD
Sample : P3716-06DL 4X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
1051-MW-11(15)DL

Quant Time: Aug 27 01:54:17 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 08 06:30:41 2024
Response via : Initial Calibration

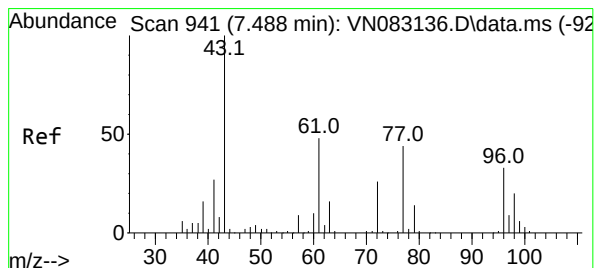
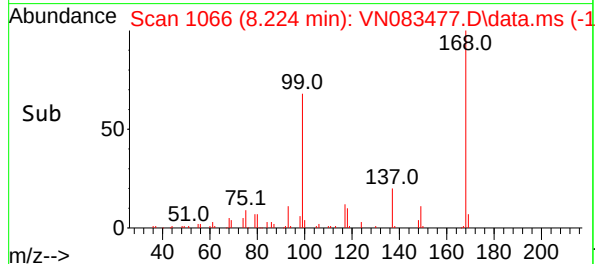
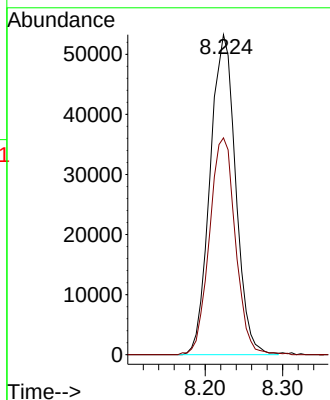
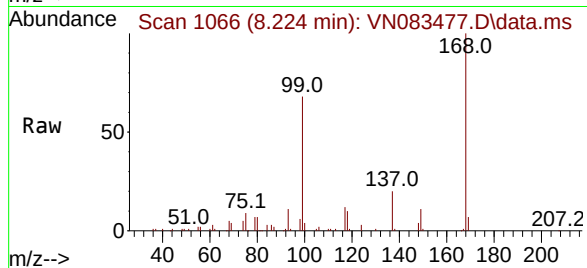




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083477.D
Acq: 26 Aug 2024 12:55

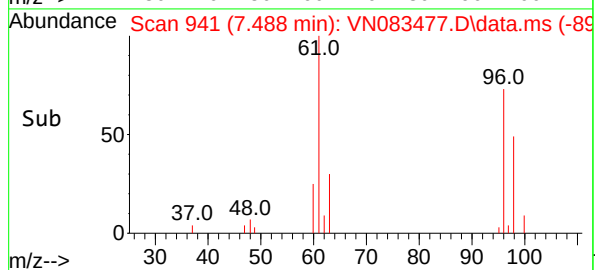
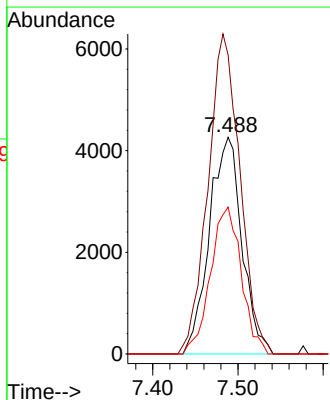
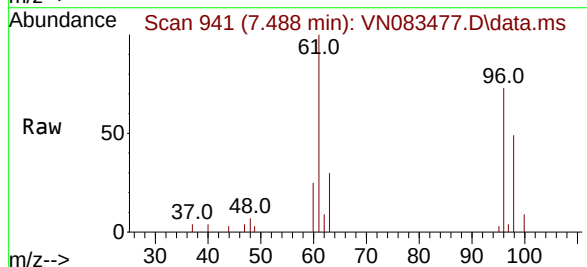
Instrument :
MSVOA_N
ClientSampleId :
1051-MW-11(15)DL

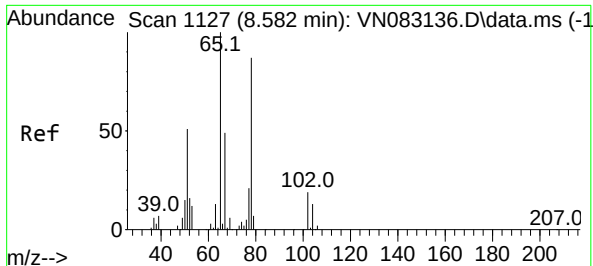
Tgt Ion:168 Resp: 122225
Ion Ratio Lower Upper
168 100
99 67.8 48.2 72.4



#27
cis-1,2-Dichloroethene
Concen: 6.700 ug/l
RT: 7.488 min Scan# 941
Delta R.T. -0.000 min
Lab File: VN083477.D
Acq: 26 Aug 2024 12:55

Tgt Ion: 96 Resp: 11321
Ion Ratio Lower Upper
96 100
61 145.1 0.0 329.6
98 64.2 0.0 128.6





#33

1,2-Dichloroethane-d4

Concen: 55.489 ug/l

RT: 8.576 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VN083477.D

Acq: 26 Aug 2024 12:55

Instrument :

MSVOA_N

ClientSampleId :

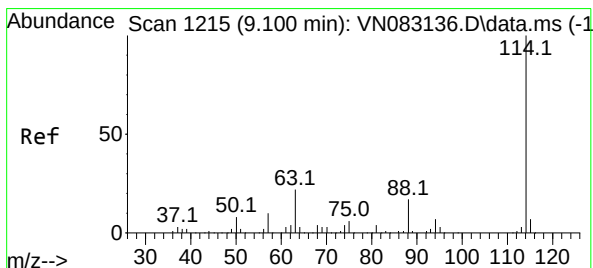
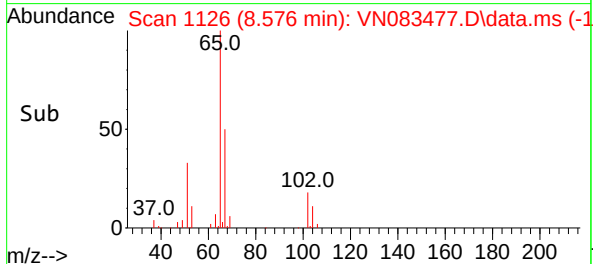
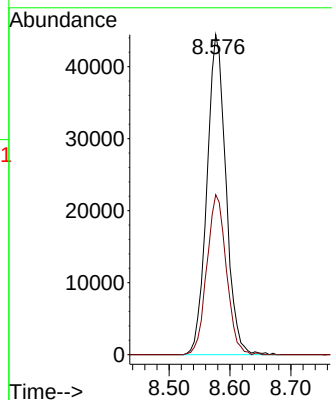
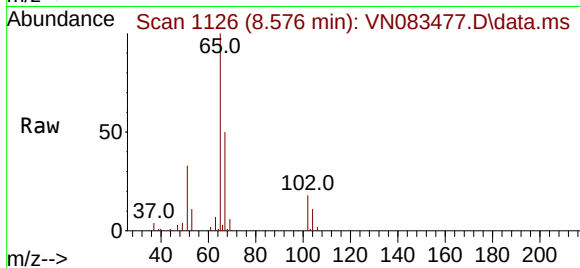
1051-MW-11(15)DL

Tgt Ion: 65 Resp: 96536

Ion Ratio Lower Upper

65 100

67 51.1 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN083477.D

Acq: 26 Aug 2024 12:55

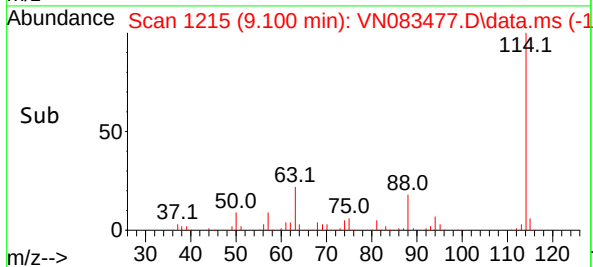
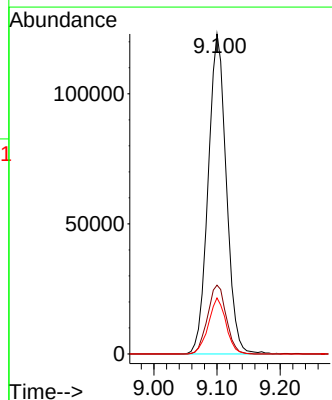
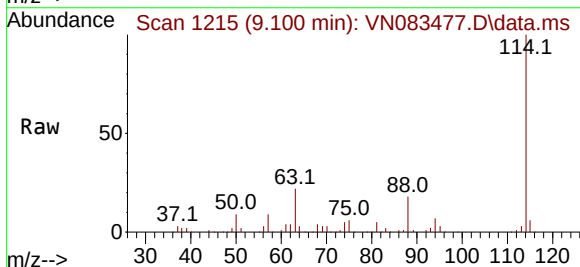
Tgt Ion: 114 Resp: 245532

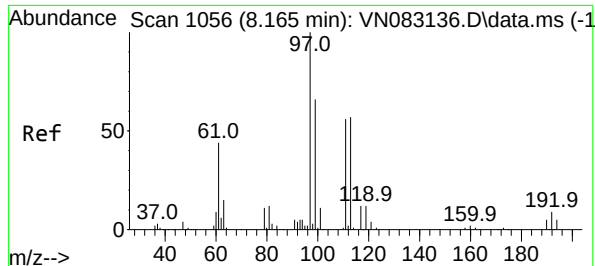
Ion Ratio Lower Upper

114 100

63 21.5 0.0 44.6

88 17.5 0.0 31.4





#35

Dibromofluoromethane

Concen: 51.637 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN083477.D

Acq: 26 Aug 2024 12:55

Instrument :

MSVOA_N

ClientSampleId :

1051-MW-11(15)DL

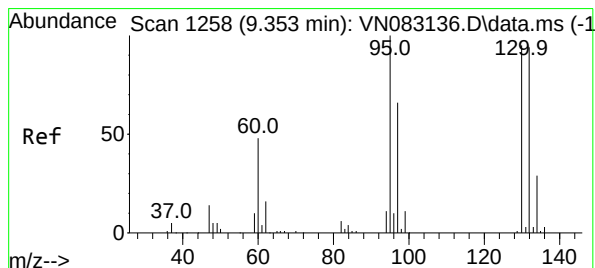
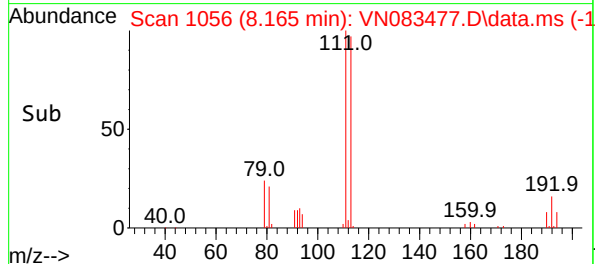
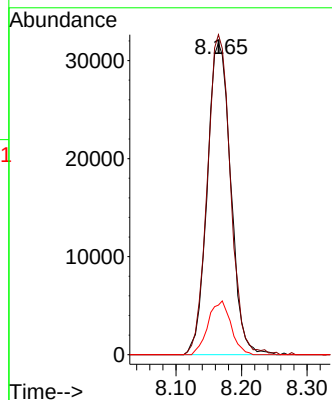
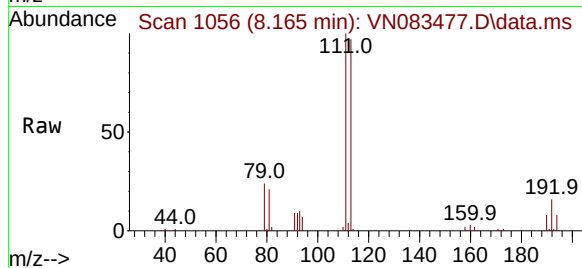
Tgt Ion:113 Resp: 79137

Ion Ratio Lower Upper

113 100

111 101.3 82.4 123.6

192 16.7 14.9 22.3



#44

Trichloroethene

Concen: 6.605 ug/l

RT: 9.353 min Scan# 1258

Delta R.T. -0.000 min

Lab File: VN083477.D

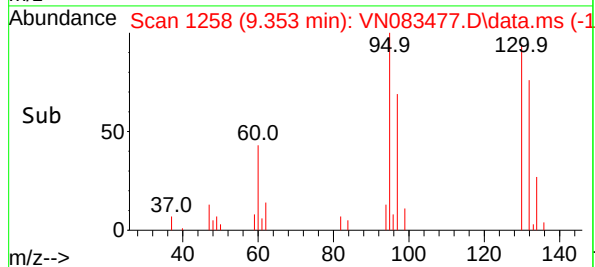
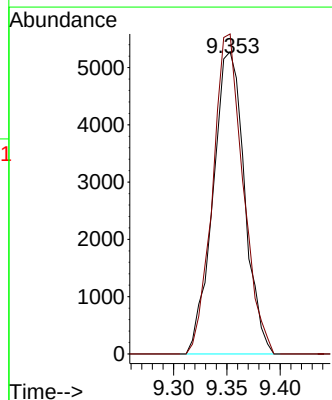
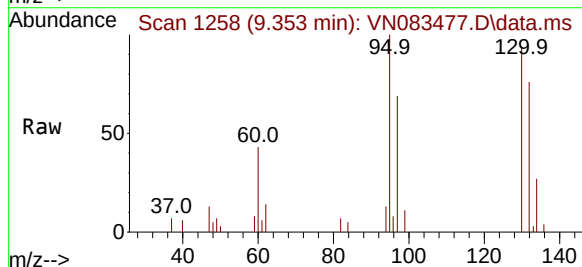
Acq: 26 Aug 2024 12:55

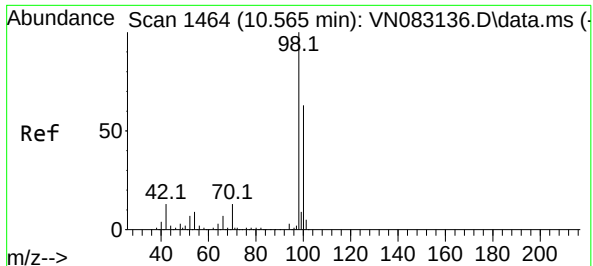
Tgt Ion:130 Resp: 10857

Ion Ratio Lower Upper

130 100

95 105.9 0.0 197.8





#50

Toluene-d8

Concen: 49.311 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN083477.D

Acq: 26 Aug 2024 12:55

Instrument :

MSVOA_N

ClientSampleId :

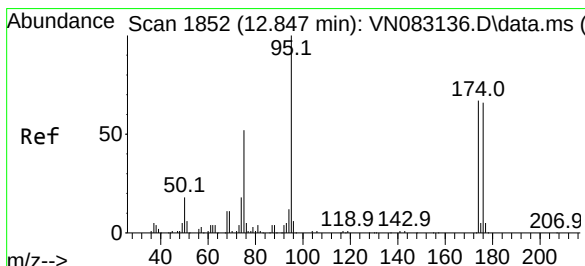
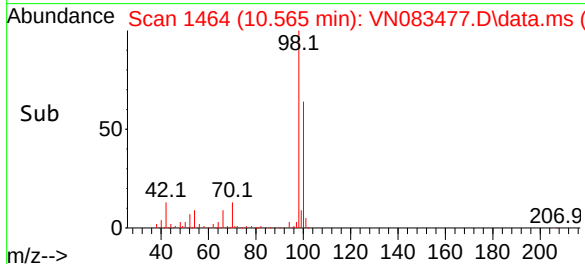
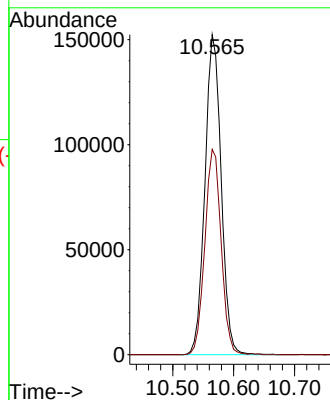
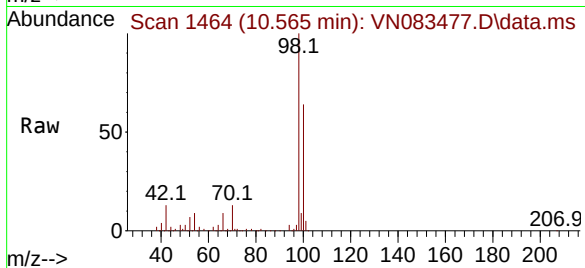
1051-MW-11(15)DL

Tgt Ion: 98 Resp: 281904

Ion Ratio Lower Upper

98 100

100 64.3 51.5 77.3



#62

4-Bromofluorobenzene

Concen: 55.950 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.000 min

Lab File: VN083477.D

Acq: 26 Aug 2024 12:55

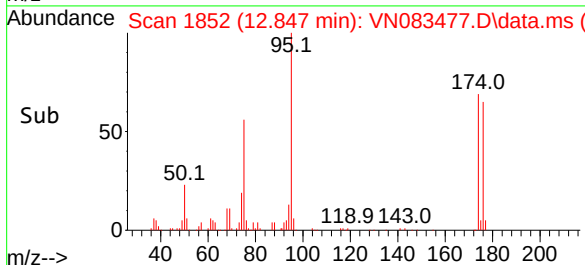
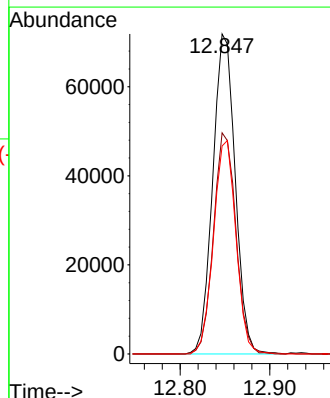
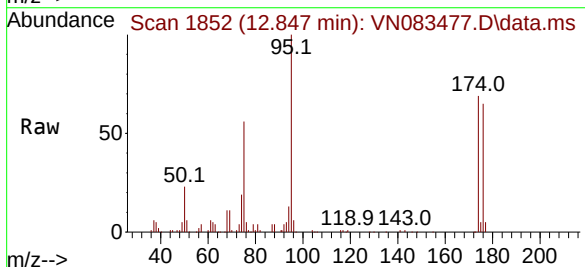
Tgt Ion: 95 Resp: 124699

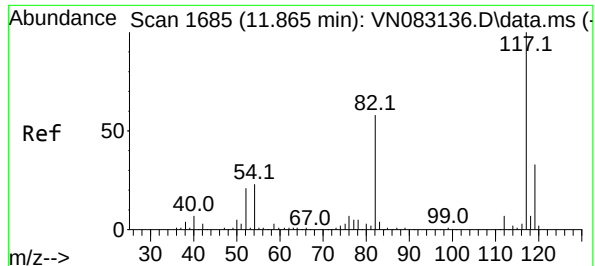
Ion Ratio Lower Upper

95 100

174 69.3 0.0 159.2

176 66.7 0.0 147.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN083477.D

Acq: 26 Aug 2024 12:55

Instrument :

MSVOA_N

ClientSampleId :

1051-MW-11(15)DL

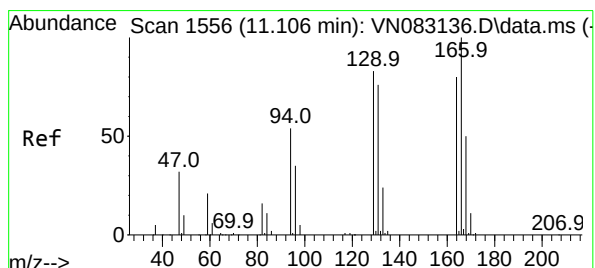
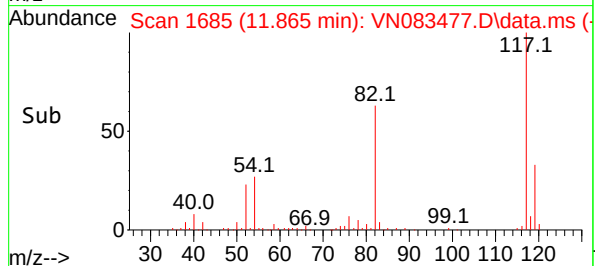
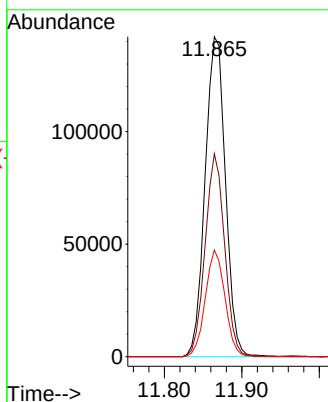
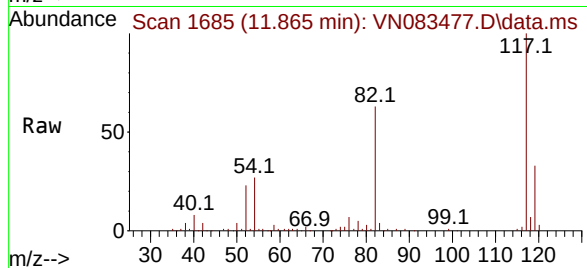
Tgt Ion:117 Resp: 259019

Ion Ratio Lower Upper

117 100

82 63.4 47.5 71.3

119 33.4 25.6 38.4



#64

Tetrachloroethene

Concen: 34.211 ug/l

RT: 11.106 min Scan# 1556

Delta R.T. -0.000 min

Lab File: VN083477.D

Acq: 26 Aug 2024 12:55

Tgt Ion:164 Resp: 58687

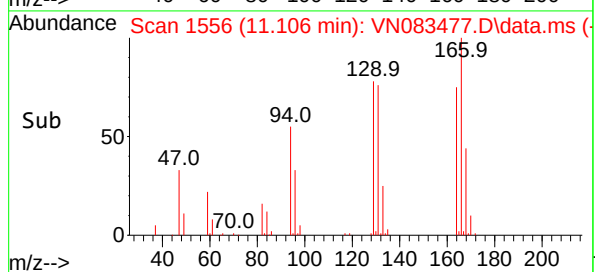
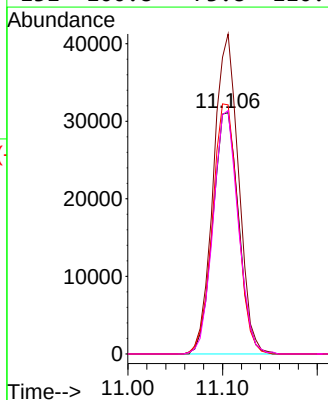
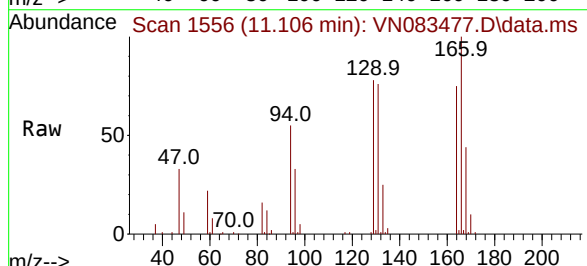
Ion Ratio Lower Upper

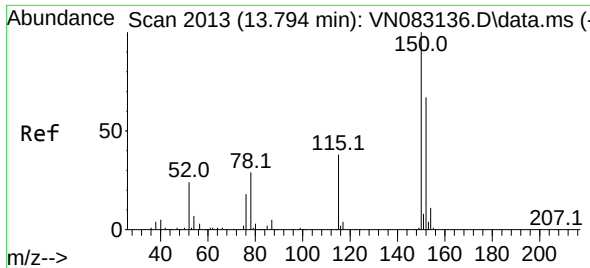
164 100

166 132.6 101.4 152.0

129 103.2 75.7 113.5

131 100.8 73.8 110.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 20

Delta R.T. -0.000 min

Lab File: VN083477.D

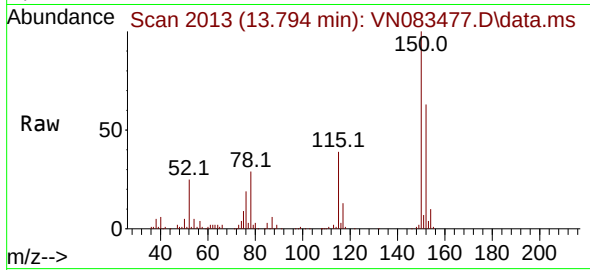
Acq: 26 Aug 2024 12:55

Instrument :

MSVOA_N

ClientSampleId :

1051-MW-11(15)DL



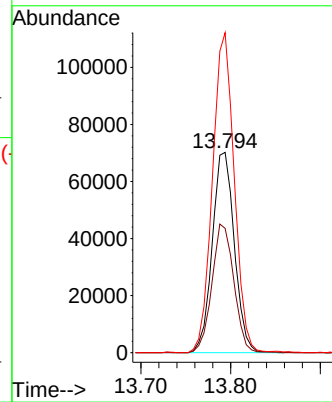
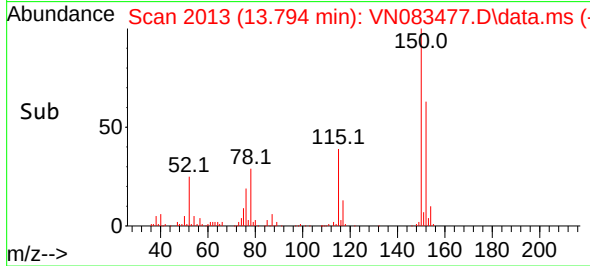
Tgt Ion:152 Resp: 119935

Ion Ratio Lower Upper

152 100

115 63.7 30.6 91.6

150 157.5 0.0 348.6



Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	08/20/24
Project:	NYSDEC Andrews St Site #E828144	Date Received:	08/22/24
Client Sample ID:	1052-MW-17A(15.5)	SDG No.:	P3716
Lab Sample ID:	P3716-07	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
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
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN083464.D	1		08/23/24 16:44	VN082324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.21	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.35	1.00	ug/L
75-01-4	Vinyl Chloride	5.00		0.34	1.00	ug/L
74-83-9	Bromomethane	5.00	U	1.40	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.26	1.00	ug/L
67-64-1	Acetone	5.00	U	1.40	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	2.50		0.60	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	2.60		0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	UQ	0.23	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.60	5.00	ug/L
78-93-3	2-Butanone	5.00	U	1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	95.2		0.25	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.18	1.00	ug/L
67-66-3	Chloroform	1.00	UQ	0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	UQ	0.19	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.19	1.00	ug/L
71-43-2	Benzene	1.00	UQ	0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	UQ	0.24	1.00	ug/L
79-01-6	Trichloroethene	12.5		0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	UQ	0.19	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.75	5.00	ug/L
108-88-3	Toluene	1.00	U	0.18	1.00	ug/L

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	08/20/24
Project:	NYSDEC Andrews St Site #E828144	Date Received:	08/22/24
Client Sample ID:	1052-MW-17A(15.5)	SDG No.:	P3716
Lab Sample ID:	P3716-07	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
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
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN083464.D	1		08/23/24 16:44	VN082324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	1.00	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	1.10	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	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	3.30		0.25	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.13	1.00	ug/L
100-41-4	Ethyl Benzene	0.30	J	0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	1.30	J	0.31	2.00	ug/L
95-47-6	o-Xylene	0.38	J	0.14	1.00	ug/L
100-42-5	Styrene	1.00	U	0.16	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.21	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	58.3		74 - 125	117%	SPK: 50
1868-53-7	Dibromofluoromethane	50.4		75 - 124	101%	SPK: 50
2037-26-5	Toluene-d8	48.2		86 - 113	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.0		77 - 121	112%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	125000	8.218			
540-36-3	1,4-Difluorobenzene	263000	9.1			
3114-55-4	Chlorobenzene-d5	280000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	132000	13.794			

TENTATIVE IDENTIFIED COMPOUNDS

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	08/20/24
Project:	NYSDEC Andrews St Site #E828144	Date Received:	08/22/24
Client Sample ID:	1052-MW-17A(15.5)	SDG No.:	P3716
Lab Sample ID:	P3716-07	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5	Units:	mL
Soil Aliquot Vol:			uL
GC Column:	RXI-624	ID :	0.25
Prep Method :		Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN083464.D	1		08/23/24 16:44	VN082324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
000109-87-5	Methylal	17.6	J		4.44	ug/L

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\VN082324\
 Data File : VN083464.D
 Acq On : 23 Aug 2024 16:44
 Operator : JC\MD
 Sample : P3716-07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 1052-MW-17A(15.5)

Quant Time: Aug 24 02:24:19 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 08 06:30:41 2024
 Response via : Initial Calibration

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

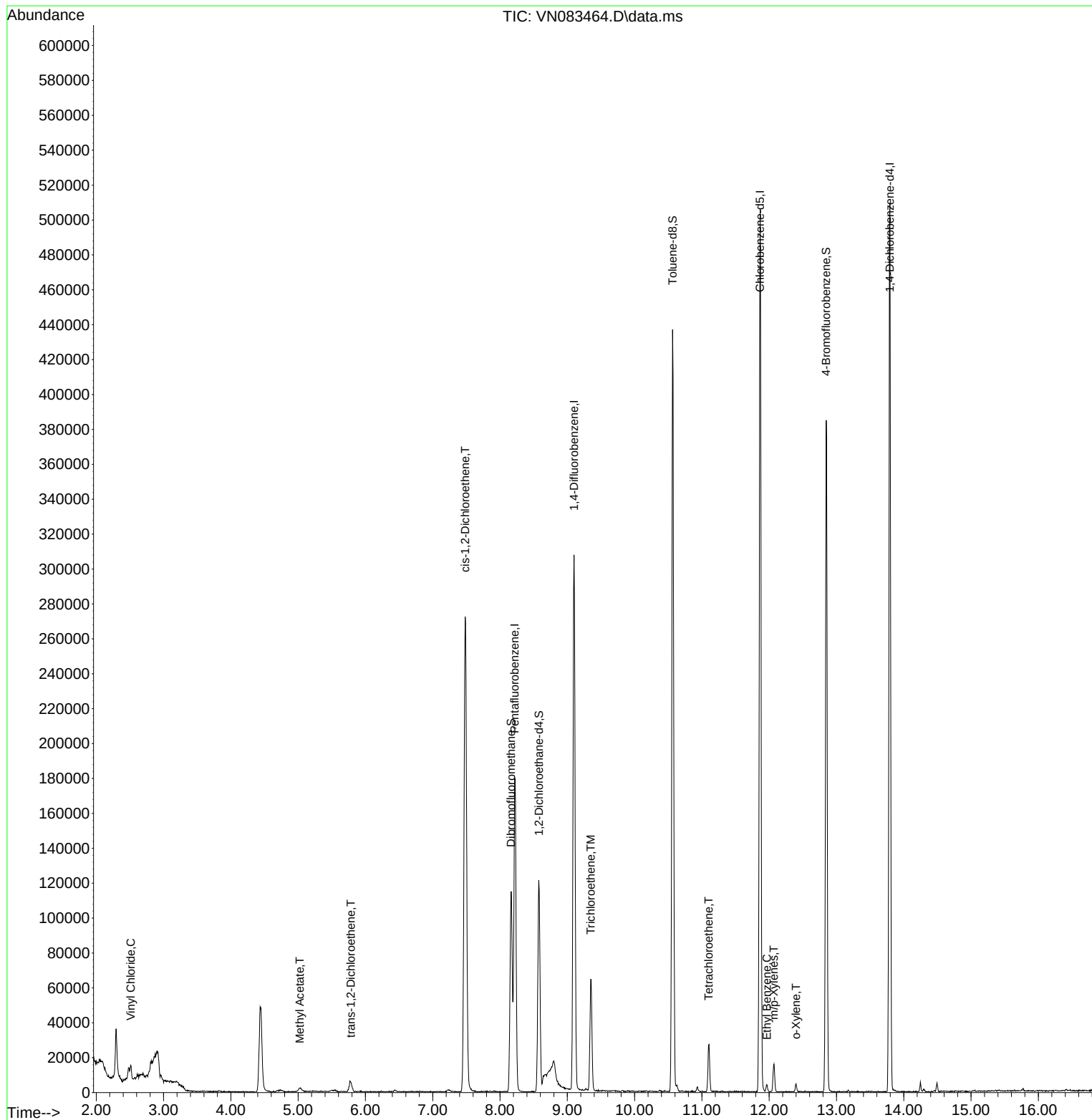
Internal Standards						
1) Pentafluorobenzene	8.218	168	125410	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	263154	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	279626	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	132452	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	103997	58.259	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 116.520%		
35) Dibromofluoromethane	8.165	113	82856	50.443	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 100.880%		
50) Toluene-d8	10.565	98	295484	48.226	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 96.460%		
62) 4-Bromofluorobenzene	12.847	95	133775	56.003	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 112.000%		
Target Compounds						
					Qvalue	
4) Vinyl Chloride	2.512	62	7386	4.971	ug/l	94
18) Methyl Acetate	5.024	43	5194	2.496	ug/l	99
21) trans-1,2-Dichloroethene	5.783	96	3689	2.567	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	165045	95.191	ug/l	83
44) Trichloroethene	9.347	130	22105	12.546	ug/l	100
64) Tetrachloroethene	11.100	164	6037	3.260	ug/l	98
67) Ethyl Benzene	11.965	91	3414	0.301	ug/l #	88
68) m/p-Xylenes	12.070	106	5448	1.283	ug/l	96
69) o-Xylene	12.400	106	1573	0.376	ug/l	88

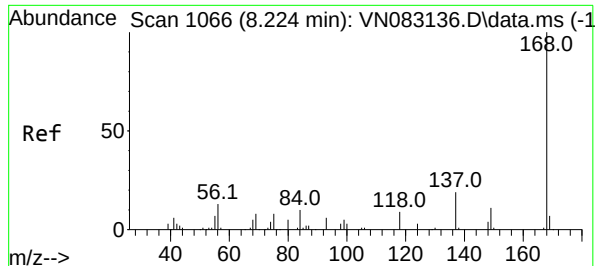
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082324\
Data File : VN083464.D
Acq On : 23 Aug 2024 16:44
Operator : JC\MD
Sample : P3716-07
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
1052-MW-17A(15.5)

Quant Time: Aug 24 02:24:19 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 08 06:30:41 2024
Response via : Initial Calibration

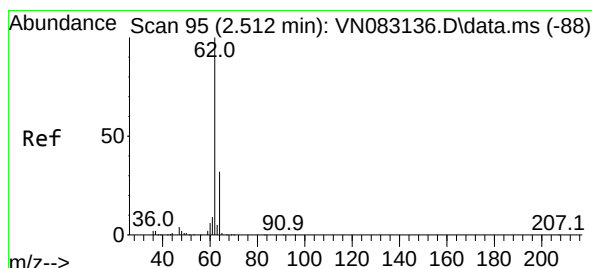
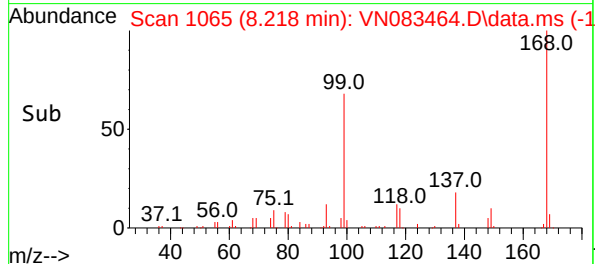
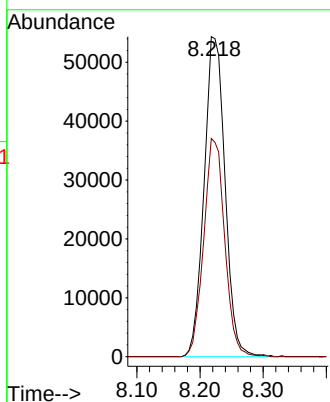
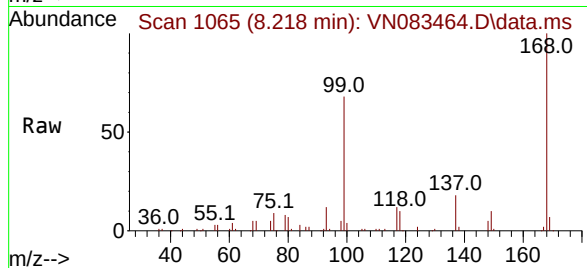




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VN083464.D
Acq: 23 Aug 2024 16:44

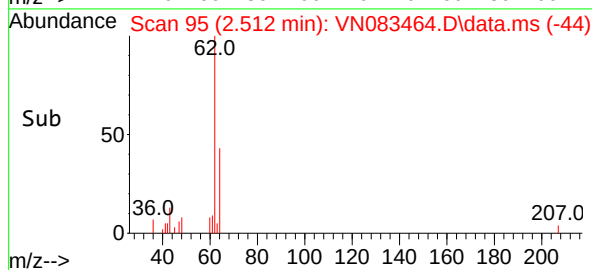
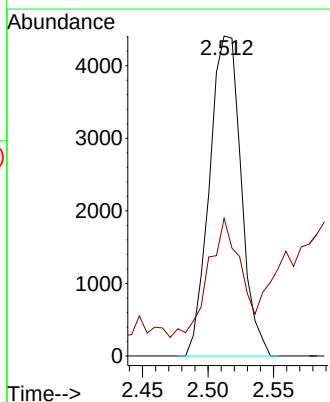
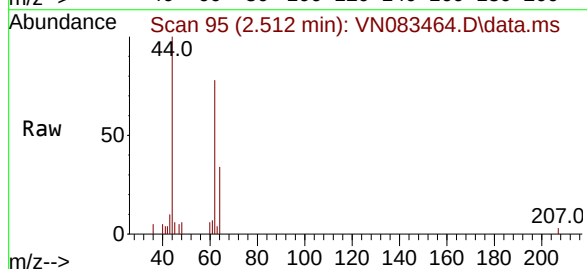
Instrument :
MSVOA_N
ClientSampleId :
1052-MW-17A(15.5)

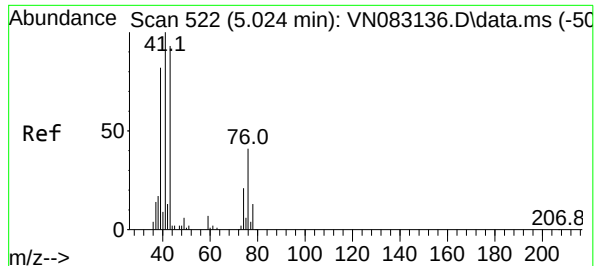
Tgt Ion:168 Resp: 125410
Ion Ratio Lower Upper
168 100
99 68.2 48.2 72.4



#4
Vinyl Chloride
Concen: 4.971 ug/l
RT: 2.512 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN083464.D
Acq: 23 Aug 2024 16:44

Tgt Ion: 62 Resp: 7386
Ion Ratio Lower Upper
62 100
64 34.5 25.0 37.6





#18

Methyl Acetate

Concen: 2.496 ug/l

RT: 5.024 min Scan# 51

Delta R.T. 0.000 min

Lab File: VN083464.D

Acq: 23 Aug 2024 16:44

Instrument :

MSVOA_N

ClientSampleId :

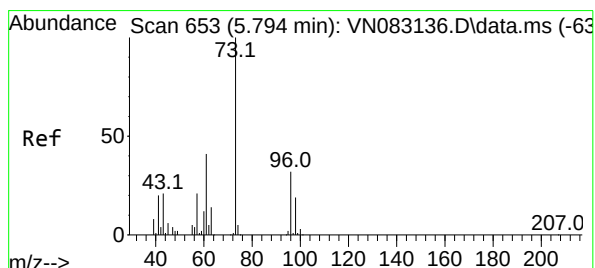
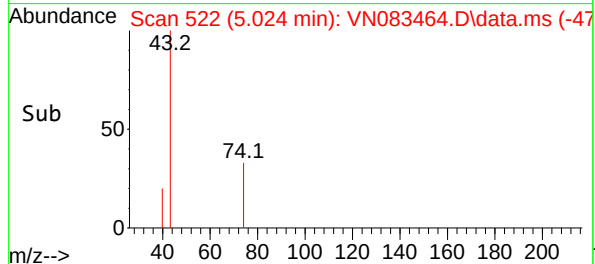
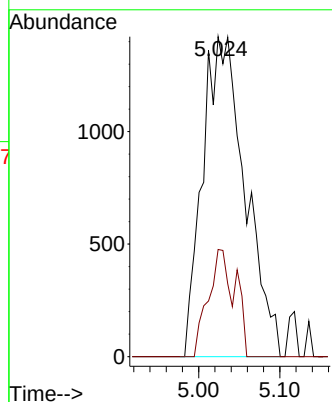
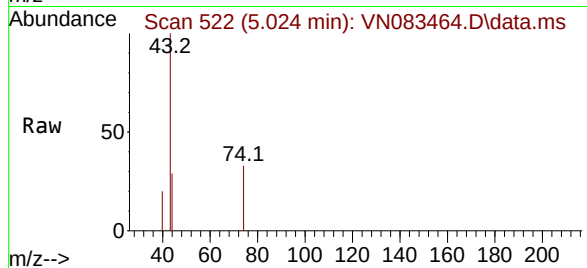
1052-MW-17A(15.5)

Tgt Ion: 43 Resp: 5194

Ion Ratio Lower Upper

43 100

74 21.0 16.3 24.5



#21

trans-1,2-Dichloroethene

Concen: 2.567 ug/l

RT: 5.783 min Scan# 651

Delta R.T. -0.012 min

Lab File: VN083464.D

Acq: 23 Aug 2024 16:44

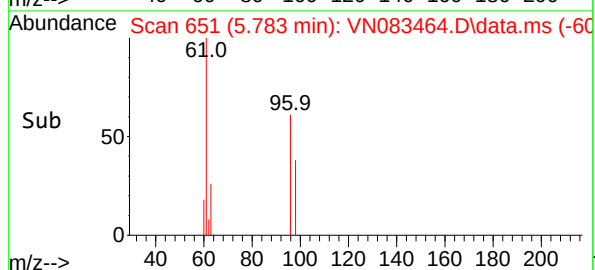
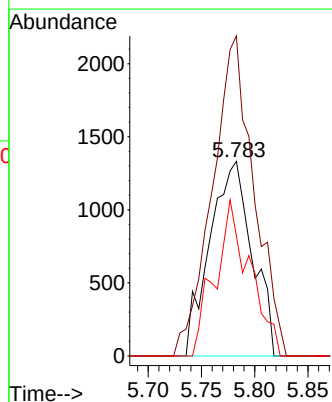
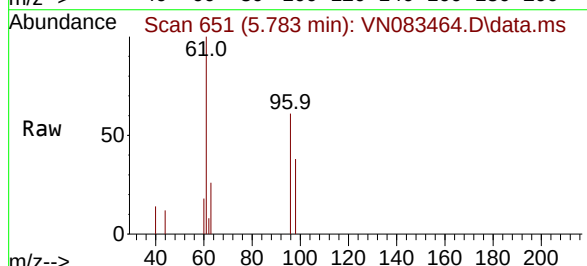
Tgt Ion: 96 Resp: 3689

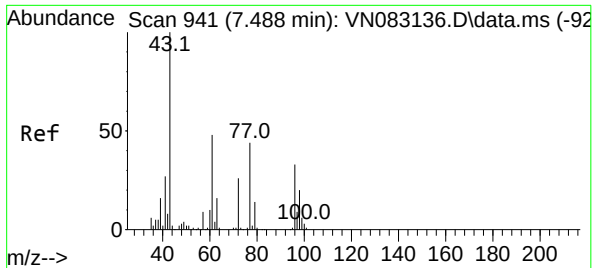
Ion Ratio Lower Upper

96 100

61 152.8 123.4 185.2

98 61.8 49.3 73.9

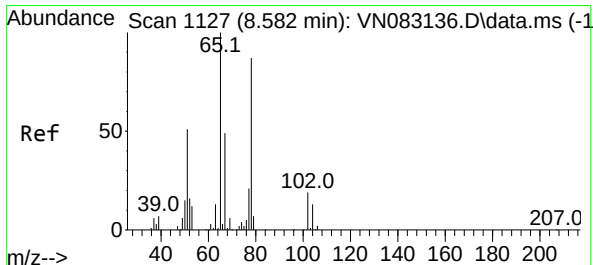
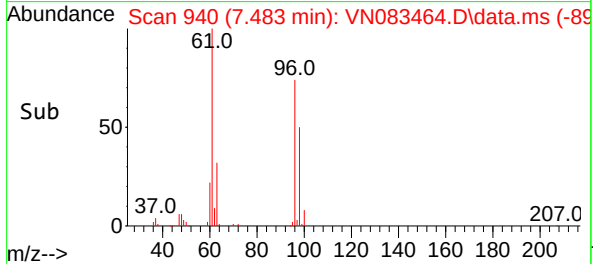
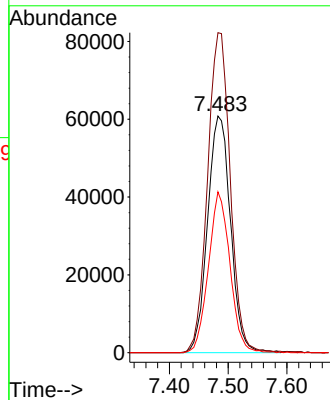
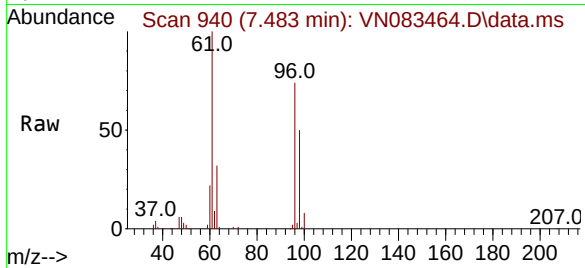




#27
cis-1,2-Dichloroethene
Concen: 95.191 ug/l
RT: 7.483 min Scan# 941
Delta R.T. -0.006 min
Lab File: VN083464.D
Acq: 23 Aug 2024 16:44

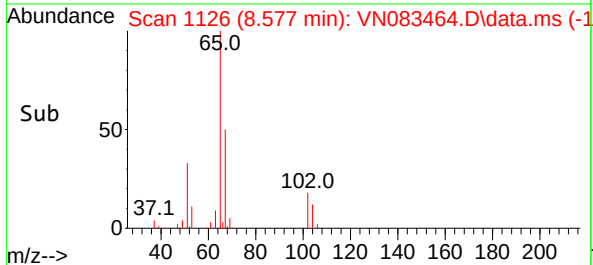
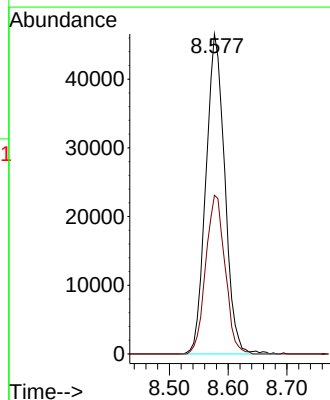
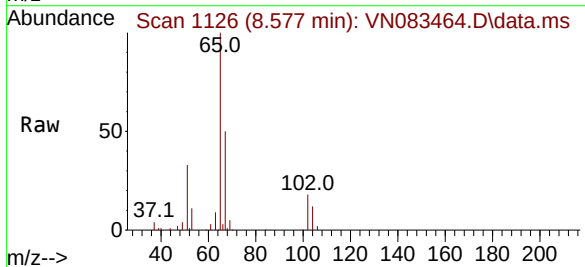
Instrument :
MSVOA_N
ClientSampleId :
1052-MW-17A(15.5)

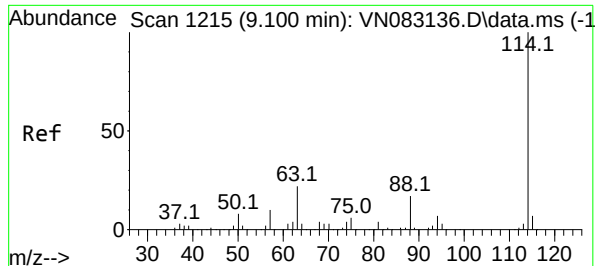
Tgt Ion:	96	Resp:	165045
Ion Ratio	Lower	Upper	
96	100		
61	133.8	0.0	329.6
98	63.5	0.0	128.6



#33
1,2-Dichloroethane-d4
Concen: 58.259 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.005 min
Lab File: VN083464.D
Acq: 23 Aug 2024 16:44

Tgt Ion:	65	Resp:	103997
Ion Ratio	Lower	Upper	
65	100		
67	50.8	0.0	104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN083464.D

Acq: 23 Aug 2024 16:44

Instrument :

MSVOA_N

ClientSampleId :

1052-MW-17A(15.5)

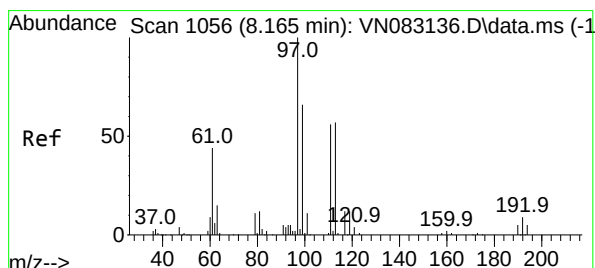
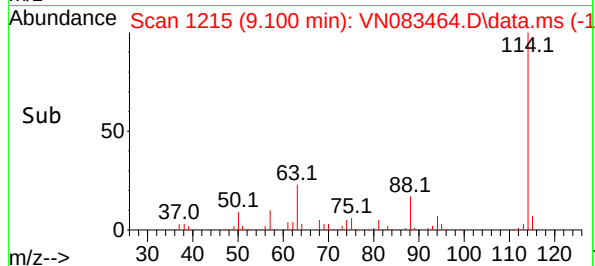
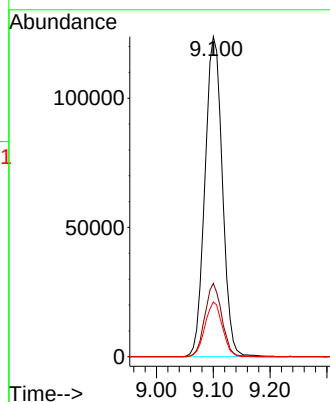
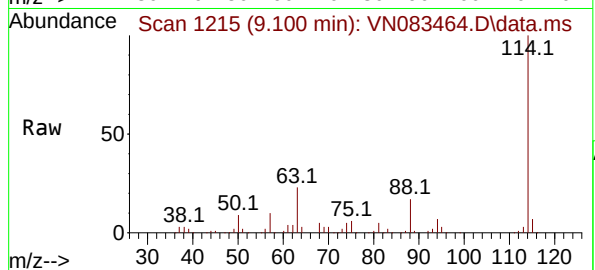
Tgt Ion:114 Resp: 263154

Ion Ratio Lower Upper

114 100

63 22.9 0.0 44.6

88 17.1 0.0 31.4



#35

Dibromofluoromethane

Concen: 50.443 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN083464.D

Acq: 23 Aug 2024 16:44

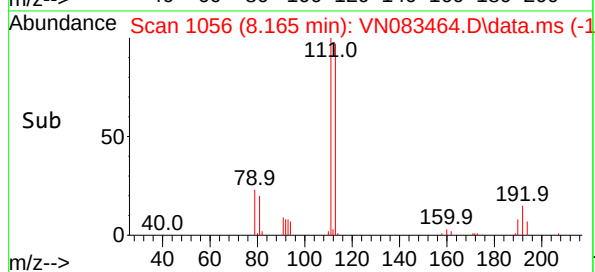
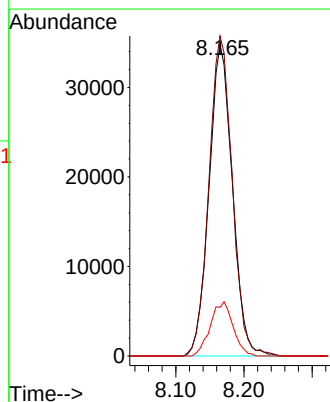
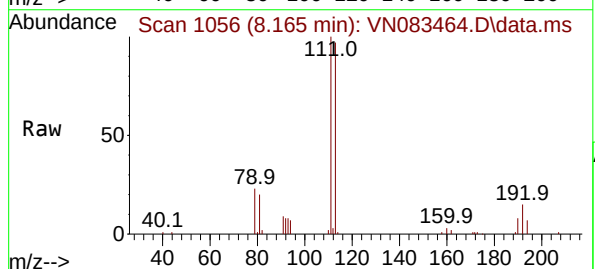
Tgt Ion:113 Resp: 82856

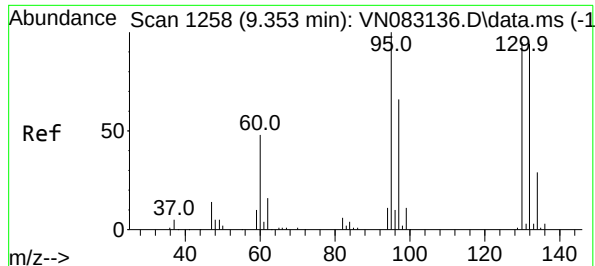
Ion Ratio Lower Upper

113 100

111 102.6 82.4 123.6

192 17.0 14.9 22.3





#44

Trichloroethene

Concen: 12.546 ug/l

RT: 9.347 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN083464.D

Acq: 23 Aug 2024 16:44

Instrument :

MSVOA_N

ClientSampleId :

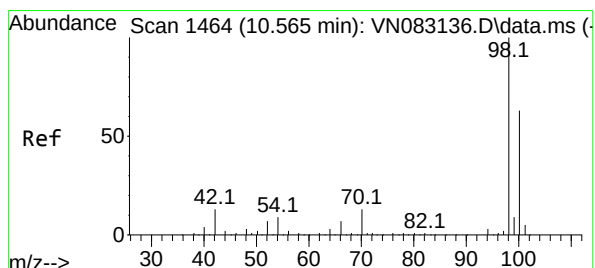
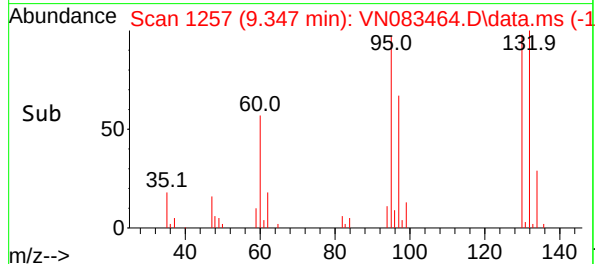
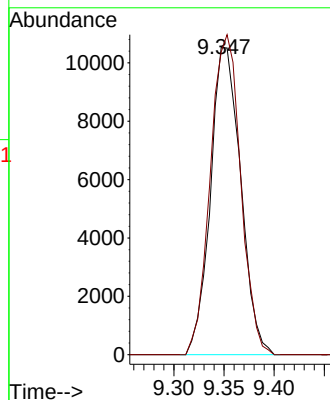
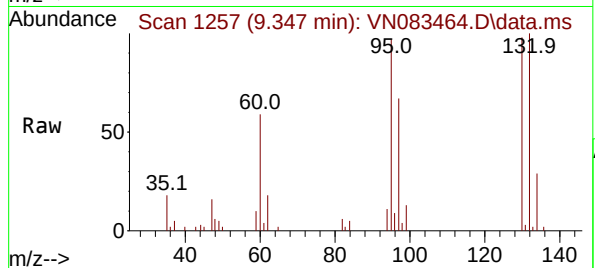
1052-MW-17A(15.5)

Tgt Ion:130 Resp: 22105

Ion Ratio Lower Upper

130 100

95 98.6 0.0 197.8



#50

Toluene-d8

Concen: 48.226 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN083464.D

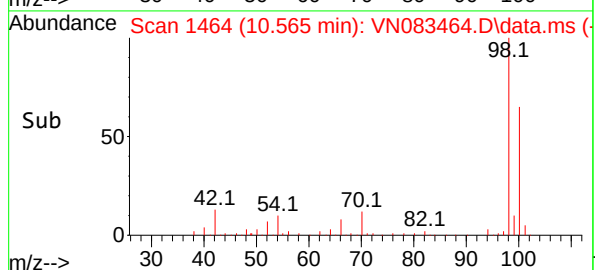
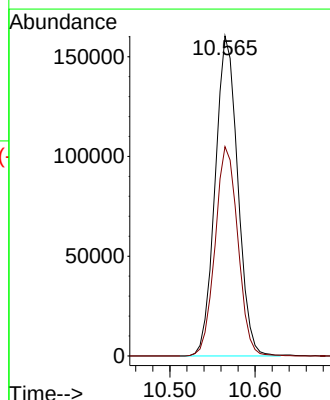
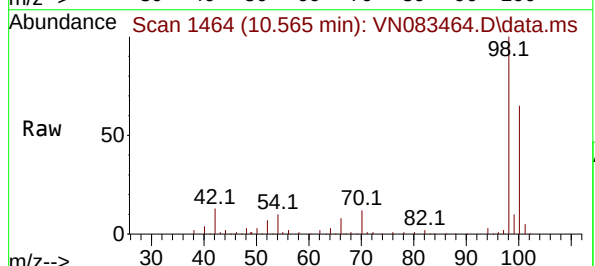
Acq: 23 Aug 2024 16:44

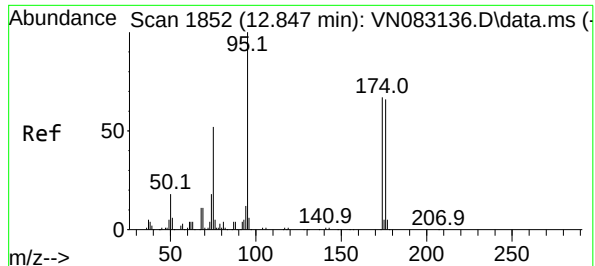
Tgt Ion: 98 Resp: 295484

Ion Ratio Lower Upper

98 100

100 65.8 51.5 77.3

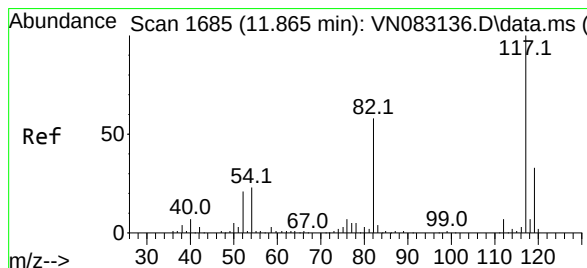
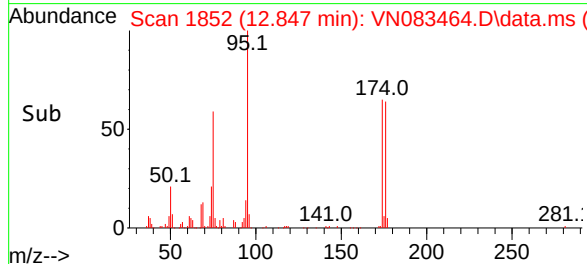
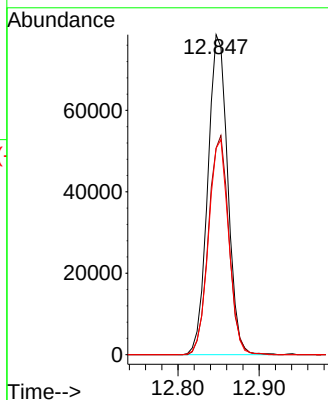
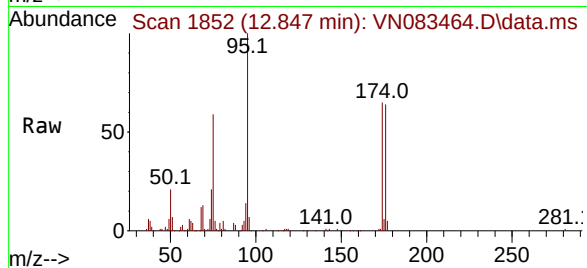




#62
4-Bromofluorobenzene
Concen: 56.003 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN083464.D
Acq: 23 Aug 2024 16:44

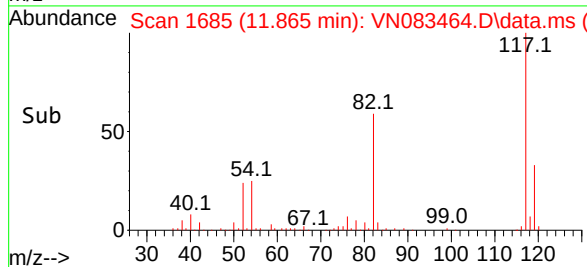
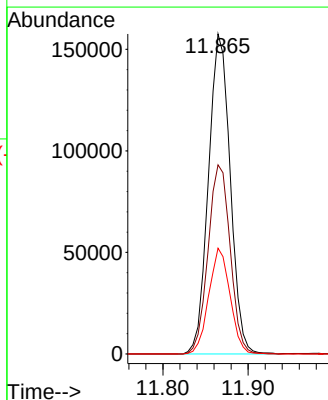
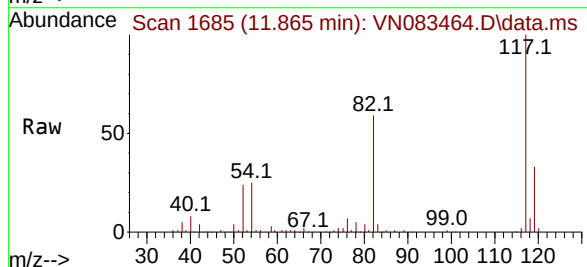
Instrument :
MSVOA_N
ClientSampleId :
1052-MW-17A(15.5)

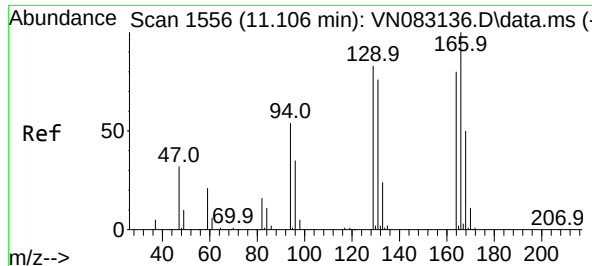
Tgt Ion:	95	Resp:	133775
Ion Ratio	Lower	Upper	
95	100		
174	69.8	0.0	159.2
176	68.2	0.0	147.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN083464.D
Acq: 23 Aug 2024 16:44

Tgt Ion:	117	Resp:	279626
Ion Ratio	Lower	Upper	
117	100		
82	59.1	47.5	71.3
119	33.0	25.6	38.4





#64

Tetrachloroethene

Concen: 3.260 ug/l

RT: 11.100 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN083464.D

Acq: 23 Aug 2024 16:44

Instrument :

MSVOA_N

ClientSampleId :

1052-MW-17A(15.5)

Tgt Ion:164 Resp: 6037

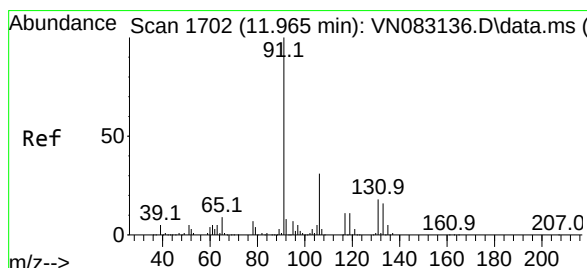
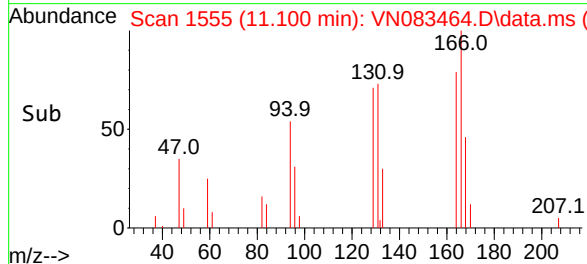
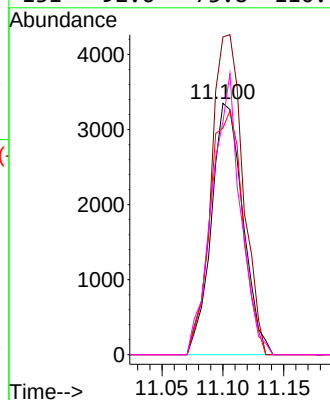
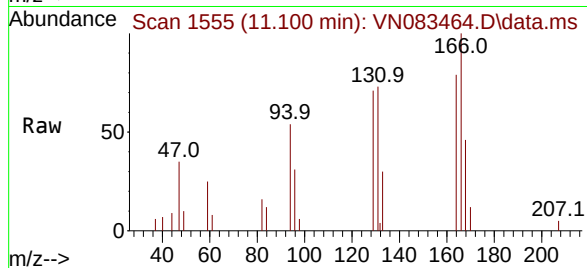
Ion Ratio Lower Upper

164 100

166 126.5 101.4 152.0

129 90.1 75.7 113.5

131 92.6 73.8 110.6



#67

Ethyl Benzene

Concen: 0.301 ug/l

RT: 11.965 min Scan# 1702

Delta R.T. 0.000 min

Lab File: VN083464.D

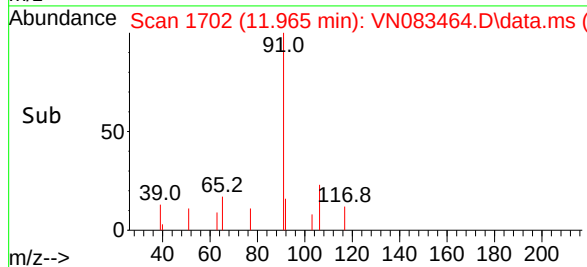
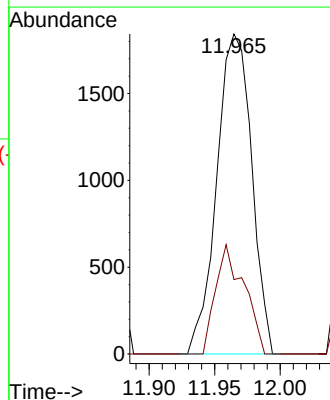
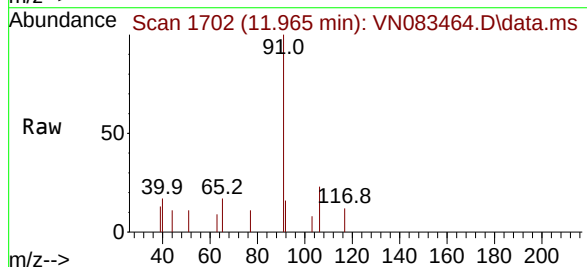
Acq: 23 Aug 2024 16:44

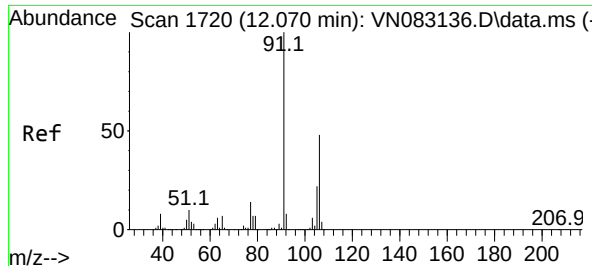
Tgt Ion: 91 Resp: 3414

Ion Ratio Lower Upper

91 100

106 23.3 24.0 36.0#





#68

m/p-Xylenes

Concen: 1.283 ug/l

RT: 12.070 min Scan# 1720

Delta R.T. 0.000 min

Lab File: VN083464.D

Acq: 23 Aug 2024 16:44

Instrument :

MSVOA_N

ClientSampleId :

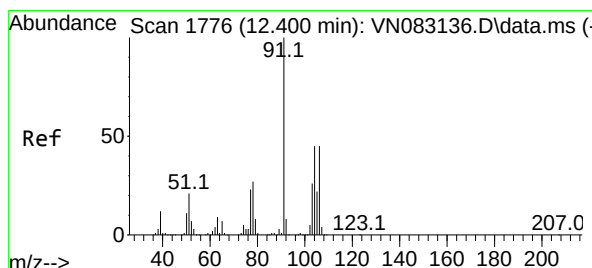
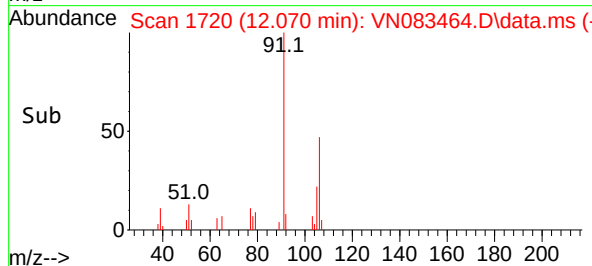
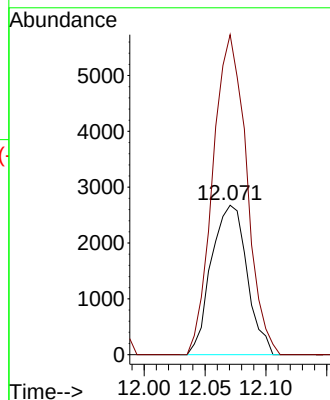
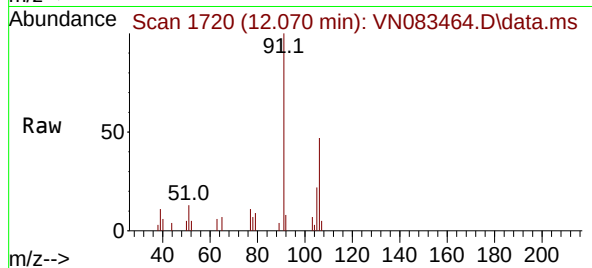
1052-MW-17A(15.5)

Tgt Ion:106 Resp: 5448

Ion Ratio Lower Upper

106 100

91 202.1 166.1 249.1



#69

o-Xylene

Concen: 0.376 ug/l

RT: 12.400 min Scan# 1776

Delta R.T. 0.000 min

Lab File: VN083464.D

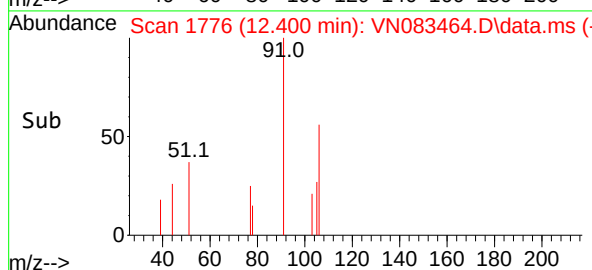
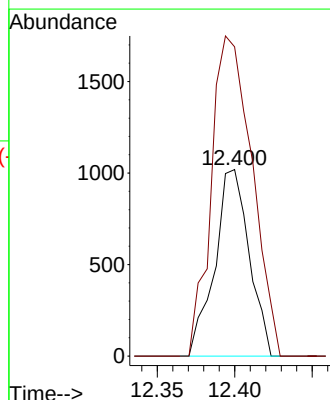
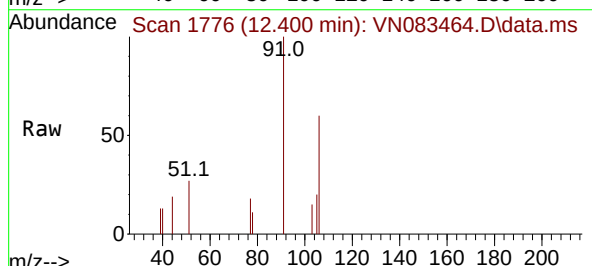
Acq: 23 Aug 2024 16:44

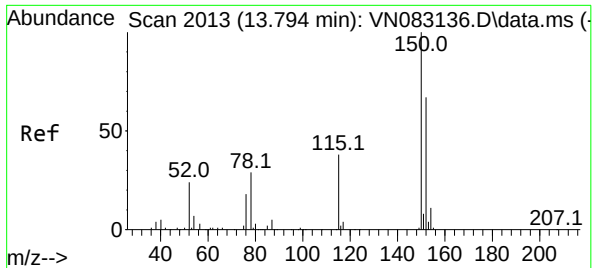
Tgt Ion:106 Resp: 1573

Ion Ratio Lower Upper

106 100

91 203.1 111.3 333.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 20

Delta R.T. 0.000 min

Lab File: VN083464.D

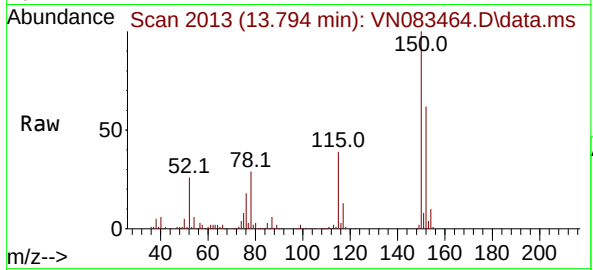
Acq: 23 Aug 2024 16:44

Instrument :

MSVOA_N

ClientSampleId :

1052-MW-17A(15.5)



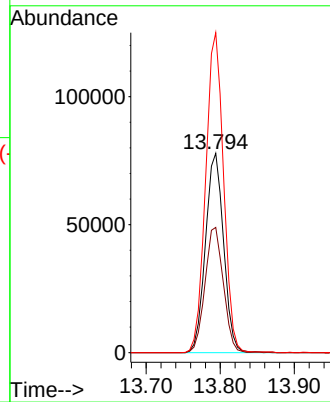
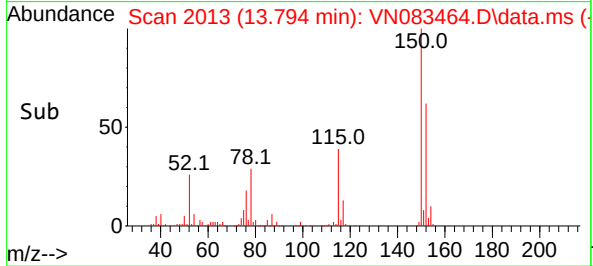
Tgt Ion:152 Resp: 132452

Ion Ratio Lower Upper

152 100

115 63.7 30.6 91.6

150 158.1 0.0 348.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082324\
Data File : VN083464.D
Acq On : 23 Aug 2024 16:44
Operator : JC\MD
Sample : P3716-07
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
1052-MW-17A(15.5)

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M

Title : SW846 8260

Signal : TIC: VN083464.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.295	53	58	66	rVB	27266	46649	5.17%	0.773%
2	2.483	85	90	92	rBV3	6357	10534	1.17%	0.174%
3	2.512	92	95	100	rVB2	7737	11561	1.28%	0.191%
4	2.818	138	147	149	rBV4	9263	20773	2.30%	0.344%
5	4.436	412	422	441	rBV2	48811	147500	16.34%	2.443%
6	5.771	641	649	660	rVB2	6211	17482	1.94%	0.290%
7	7.483	929	940	959	rBV	272133	729732	80.86%	12.086%
8	8.165	1047	1056	1060	rBV2	114764	262293	29.06%	4.344%
9	8.218	1060	1065	1083	rVB2	179772	418637	46.39%	6.933%
10	8.577	1115	1126	1134	rBV	121294	276503	30.64%	4.579%
11	9.100	1207	1215	1229	rVB	306571	645596	71.53%	10.692%
12	9.353	1250	1258	1267	rVB	63741	131954	14.62%	2.185%
13	10.565	1456	1464	1474	rBV	436701	809870	89.74%	13.413%
14	11.106	1549	1556	1564	rVB2	27068	49349	5.47%	0.817%
15	11.865	1677	1685	1697	rBV	506080	902490	100.00%	14.947%
16	12.071	1712	1720	1728	rVB2	15776	28985	3.21%	0.480%
17	12.847	1844	1852	1862	rBV	384858	660382	73.17%	10.937%
18	13.794	2005	2013	2021	rBV	509321	867691	96.14%	14.371%

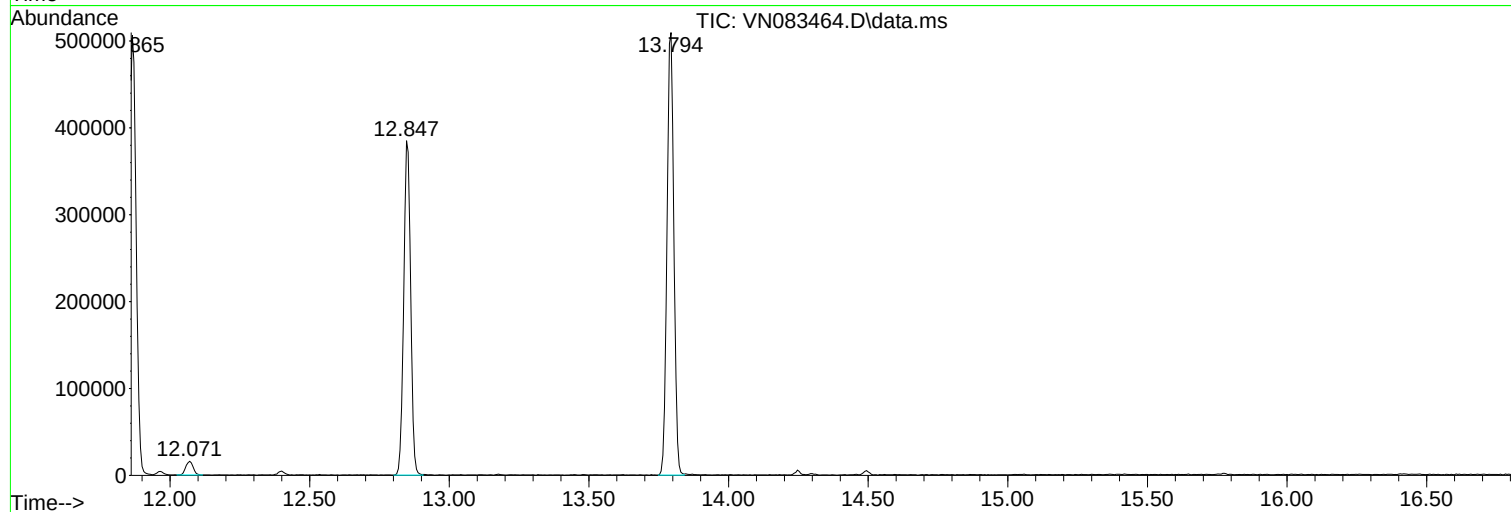
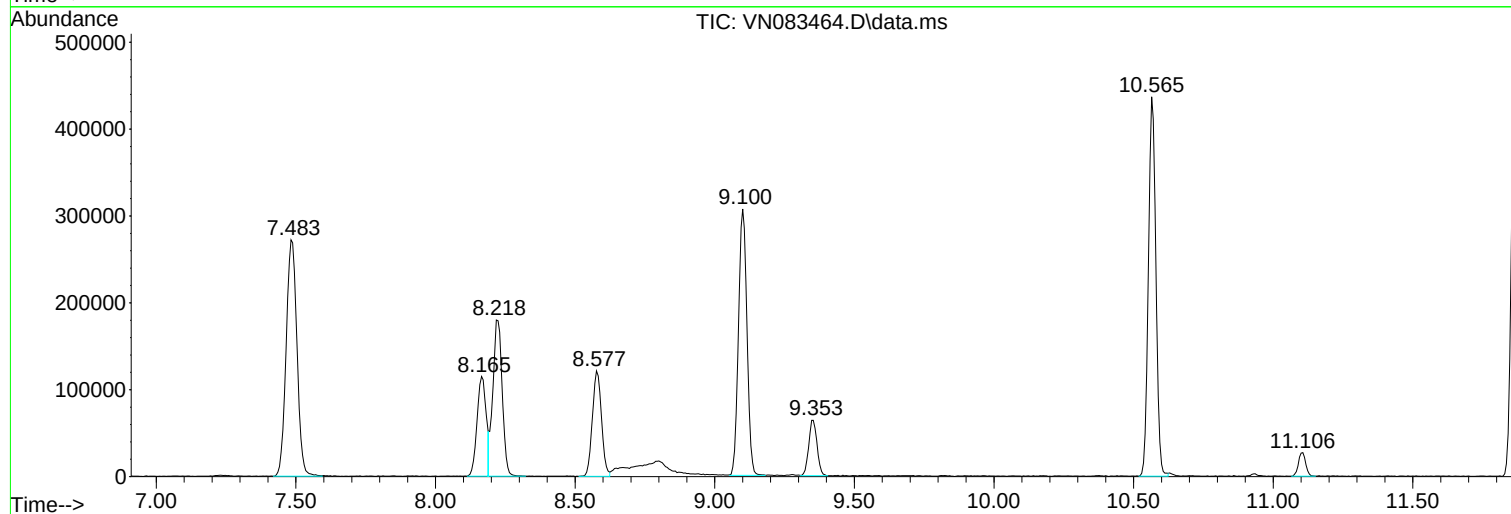
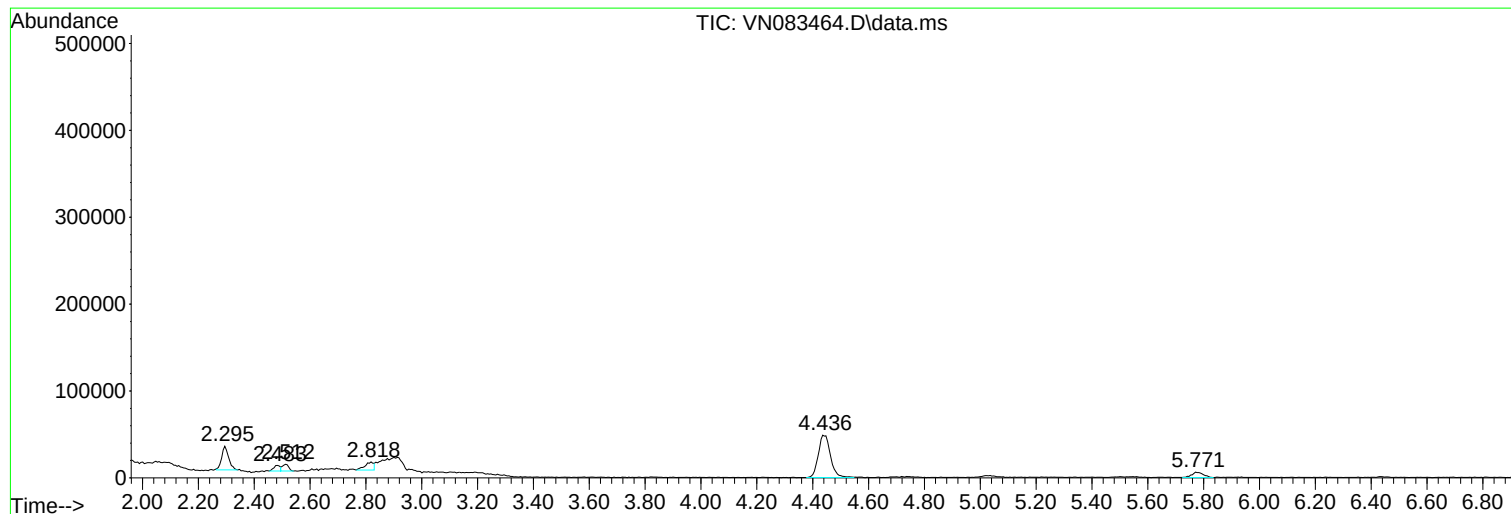
Sum of corrected areas: 6037981

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082324\
Data File : VN083464.D
Acq On : 23 Aug 2024 16:44
Operator : JC\MD
Sample : P3716-07
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
1052-MW-17A(15.5)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082324\
Data File : VN083464.D
Acq On : 23 Aug 2024 16:44
Operator : JC\MD
Sample : P3716-07
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
1052-MW-17A(15.5)

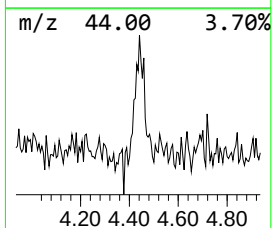
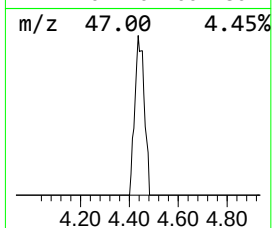
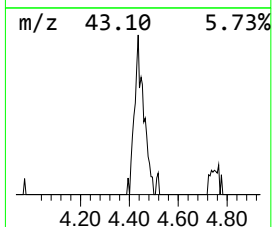
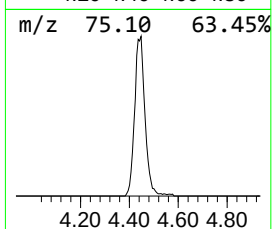
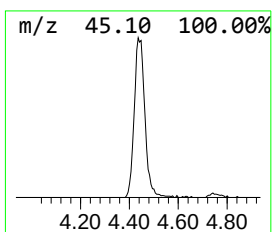
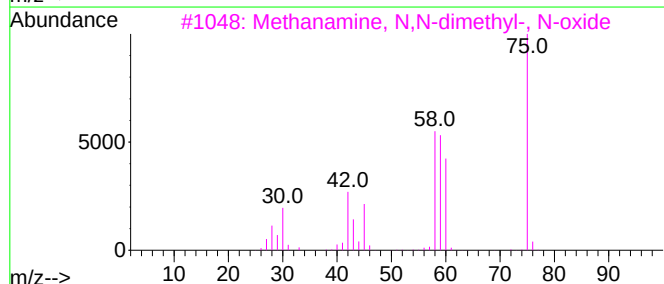
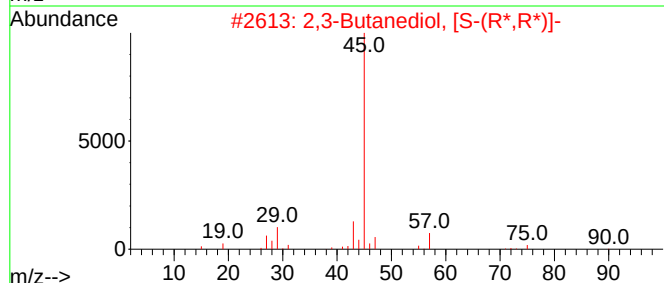
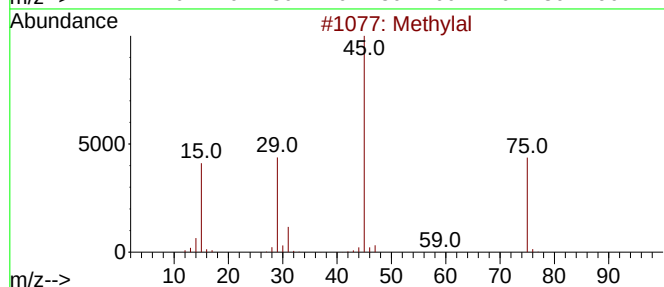
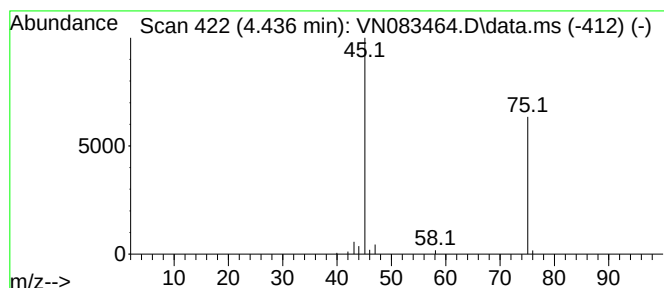
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
Quant Title : SW846 8260

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

Peak Number 2 Methylal Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.436	17.62 ug/l	147500	Pentafluorobenzene	8.218

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Methylal	76	C3H8O2	000109-87-5	90
2			2,3-Butanediol, [S-(R*,R*)]-	90	C4H10O2	019132-06-0	9
3			Methanamine, N,N-dimethyl-, N-oxide	75	C3H9NO	001184-78-7	7
4			Ethanol, 2-methoxy-	76	C3H8O2	000109-86-4	5
5			(S)-(+)-1,2-Propanediol	76	C3H8O2	004254-15-3	4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082324\
Data File : VN083464.D
Acq On : 23 Aug 2024 16:44
Operator : JC\MD
Sample : P3716-07
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
1052-MW-17A(15.5)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.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--			
					#	RT	Resp	Conc
Methylal	4.436	17.6	ug/l	147500	1	8.218	418637	50.0

Report of Analysis

Client:	Day Environmental, Inc.		Date Collected:	08/20/24	
Project:	NYSDEC Andrews St Site #E828144		Date Received:	08/22/24	
Client Sample ID:	1053-FB082024		SDG No.:	P3716	
Lab Sample ID:	P3716-08		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
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	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN083493.D	1		08/26/24 19:47	VN082624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.21	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.35	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.34	1.00	ug/L
74-83-9	Bromomethane	5.00	U	1.40	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.26	1.00	ug/L
67-64-1	Acetone	12.6		1.40	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.60	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.60	5.00	ug/L
78-93-3	2-Butanone	5.00	U	1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00	U	0.25	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.18	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.19	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.19	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	UQ	0.24	1.00	ug/L
79-01-6	Trichloroethene	1.00	U	0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.19	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.75	5.00	ug/L
108-88-3	Toluene	1.00	U	0.18	1.00	ug/L

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	08/20/24
Project:	NYSDEC Andrews St Site #E828144	Date Received:	08/22/24
Client Sample ID:	1053-FB082024	SDG No.:	P3716
Lab Sample ID:	P3716-08	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
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
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN083493.D	1		08/26/24 19:47	VN082624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	1.00	UQ	0.21	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	1.10	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	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	1.00	U	0.25	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.13	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	2.70		0.31	2.00	ug/L
95-47-6	o-Xylene	1.00	U	0.14	1.00	ug/L
100-42-5	Styrene	1.00	U	0.16	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.21	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	58.3		74 - 125	117%	SPK: 50
1868-53-7	Dibromofluoromethane	53.2		75 - 124	106%	SPK: 50
2037-26-5	Toluene-d8	48.6		86 - 113	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	57.2		77 - 121	114%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	111000	8.224			
540-36-3	1,4-Difluorobenzene	227000	9.1			
3114-55-4	Chlorobenzene-d5	246000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	119000	13.794			

TENTATIVE IDENTIFIED COMPOUNDS

Report of Analysis

Client:	Day Environmental, Inc.		Date Collected:	08/20/24	
Project:	NYSDEC Andrews St Site #E828144		Date Received:	08/22/24	
Client Sample ID:	1053-FB082024		SDG No.:	P3716	
Lab Sample ID:	P3716-08		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
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	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN083493.D	1		08/26/24 19:47	VN082624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
007446-09-5	Sulfur dioxide	25.3	J		2.28	ug/L

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\VN082624\
Data File : VN083493.D
Acq On : 26 Aug 2024 19:47
Operator : JC\MD
Sample : P3716-08
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
1053-FB082024

Quant Time: Aug 27 02:02:39 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 08 06:30:41 2024
Response via : Initial Calibration

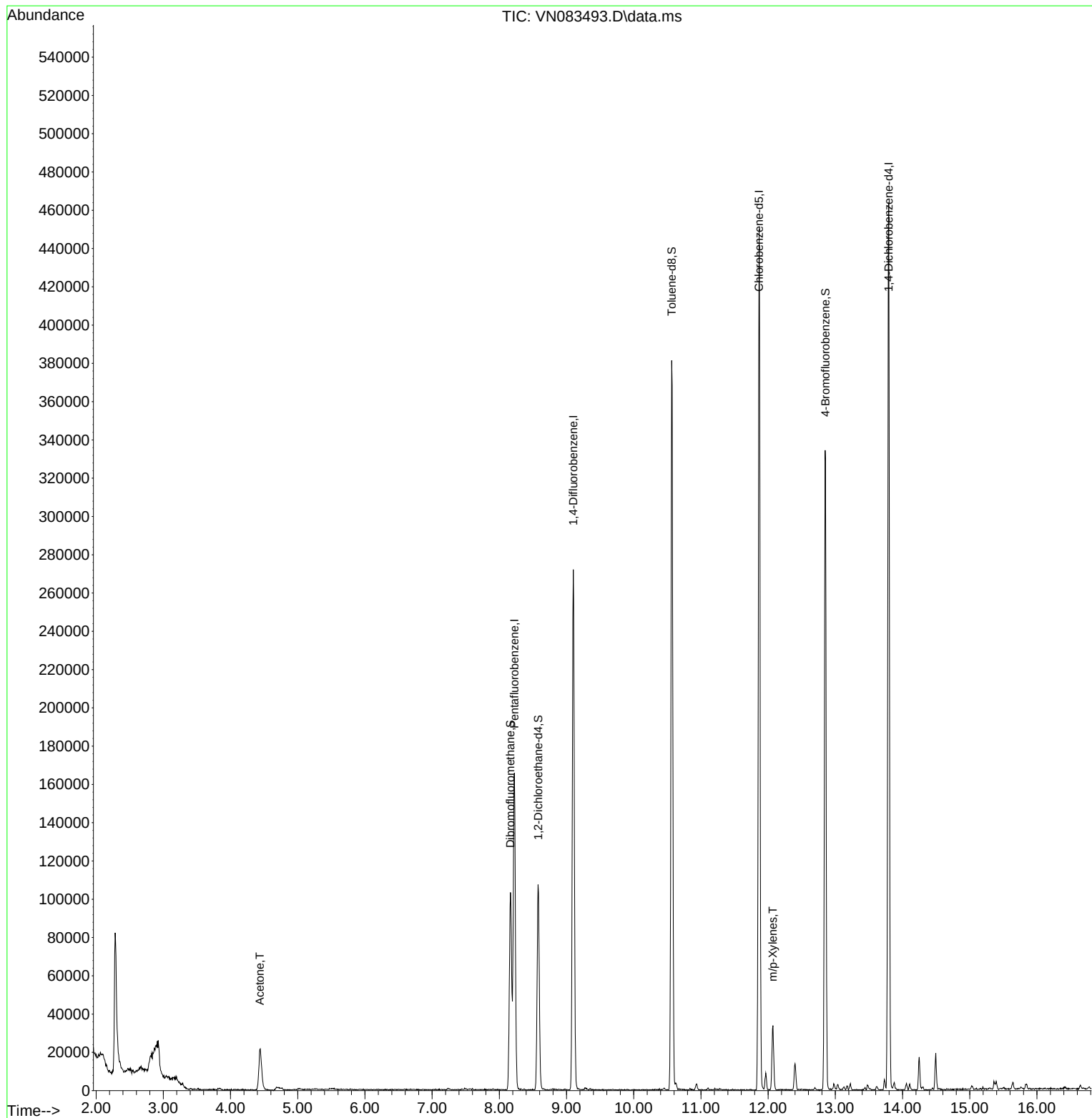
Compound		R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards							
1) Pentafluorobenzene		8.224	168	111449	50.000	ug/l	0.00
34) 1,4-Difluorobenzene		9.100	114	227351	50.000	ug/l	0.00
63) Chlorobenzene-d5		11.865	117	245554	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4		13.794	152	118552	50.000	ug/l	0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4		8.577	65	92412	58.254	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125		Recovery	=	116.500%	
35) Dibromofluoromethane		8.165	113	75559	53.245	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124		Recovery	=	106.500%	
50) Toluene-d8		10.565	98	257046	48.559	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113		Recovery	=	97.120%	
62) 4-Bromofluorobenzene		12.853	95	118093	57.224	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121		Recovery	=	114.440%	
Target Compounds							Qvalue
16) Acetone		4.436	43	7795	12.558	ug/l	# 88
68) m/p-Xylenes		12.071	106	10155	2.723	ug/l	93

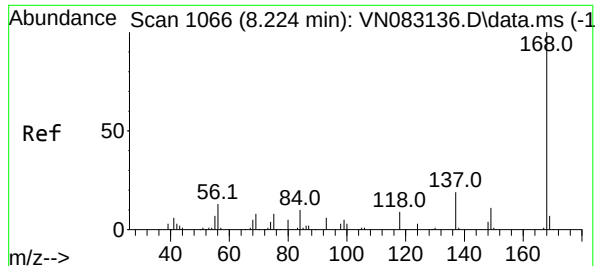
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082624\
Data File : VN083493.D
Acq On : 26 Aug 2024 19:47
Operator : JC\MD
Sample : P3716-08
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
1053-FB082024

Quant Time: Aug 27 02:02:39 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 08 06:30:41 2024
Response via : Initial Calibration

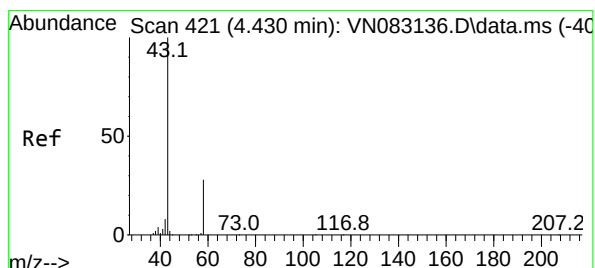
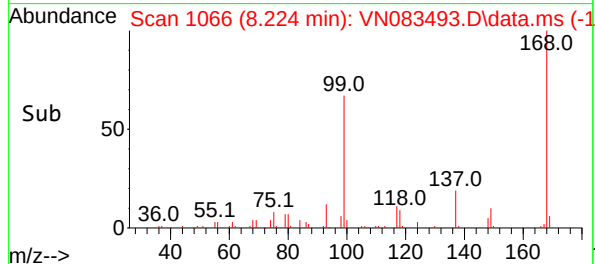
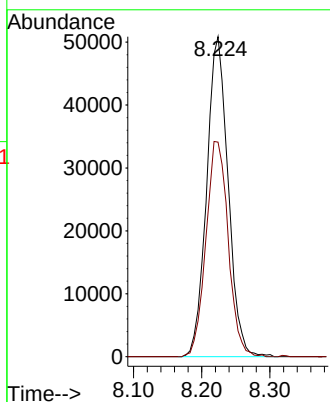
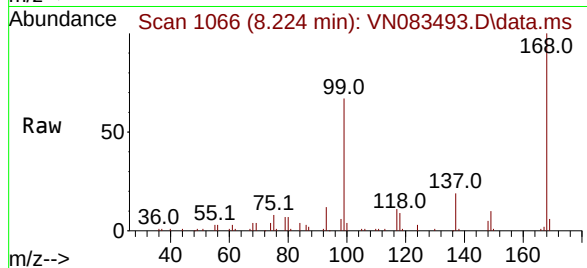




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083493.D
Acq: 26 Aug 2024 19:47

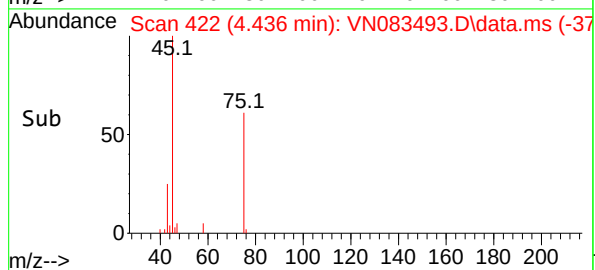
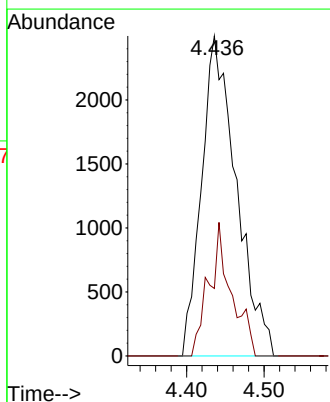
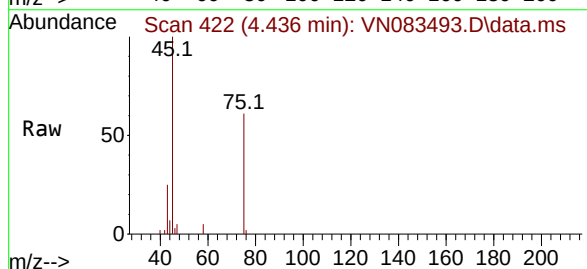
Instrument :
MSVOA_N
ClientSampleId :
1053-FB082024

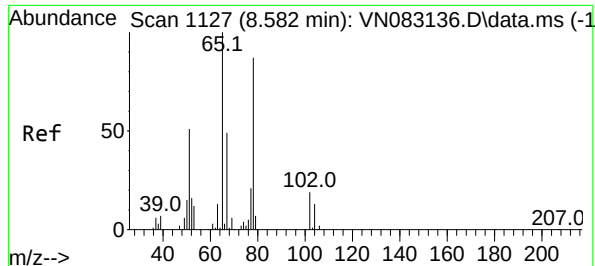
Tgt Ion:168 Resp: 111449
Ion Ratio Lower Upper
168 100
99 67.1 48.2 72.4



#16
Acetone
Concen: 12.558 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.006 min
Lab File: VN083493.D
Acq: 26 Aug 2024 19:47

Tgt Ion: 43 Resp: 7795
Ion Ratio Lower Upper
43 100
58 21.1 21.8 32.6#





#33

1,2-Dichloroethane-d4

Concen: 58.254 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.005 min

Lab File: VN083493.D

Acq: 26 Aug 2024 19:47

Instrument :

MSVOA_N

ClientSampleId :

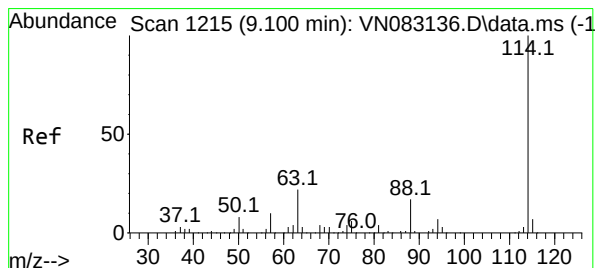
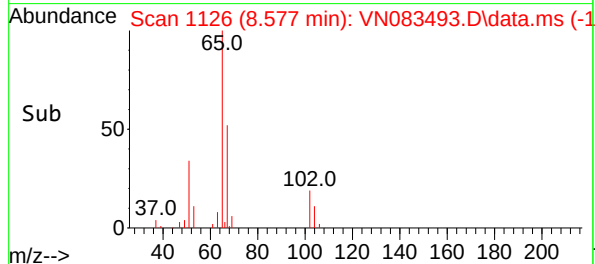
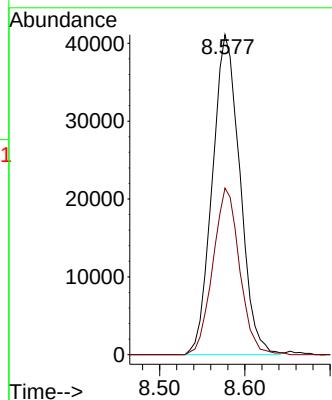
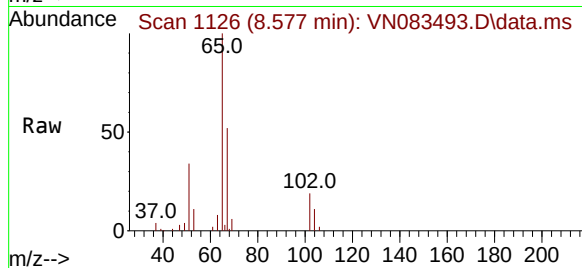
1053-FB082024

Tgt Ion: 65 Resp: 92412

Ion Ratio Lower Upper

65 100

67 50.5 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN083493.D

Acq: 26 Aug 2024 19:47

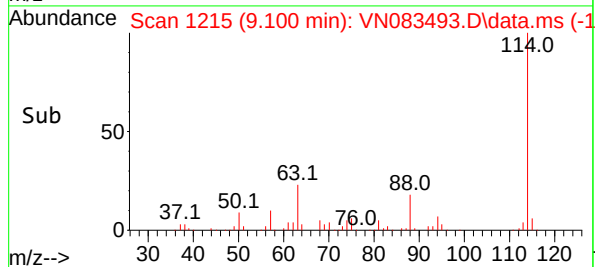
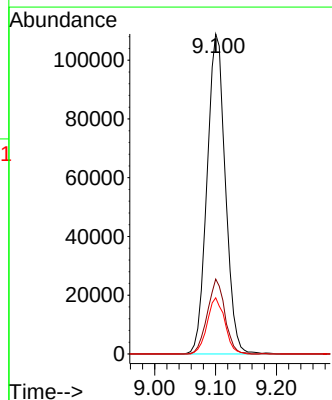
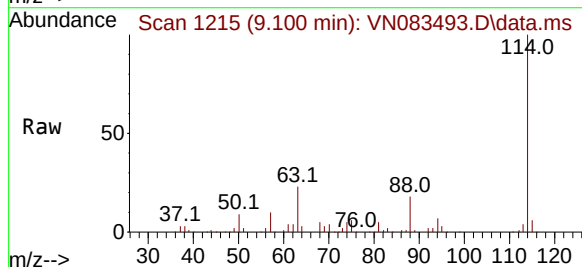
Tgt Ion: 114 Resp: 227351

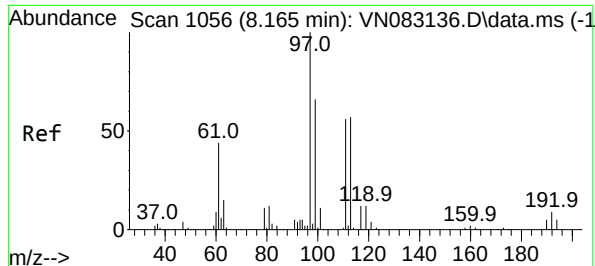
Ion Ratio Lower Upper

114 100

63 23.4 0.0 44.6

88 17.6 0.0 31.4





#35

Dibromofluoromethane

Concen: 53.245 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN083493.D

Acq: 26 Aug 2024 19:47

Instrument :

MSVOA_N

ClientSampleId :

1053-FB082024

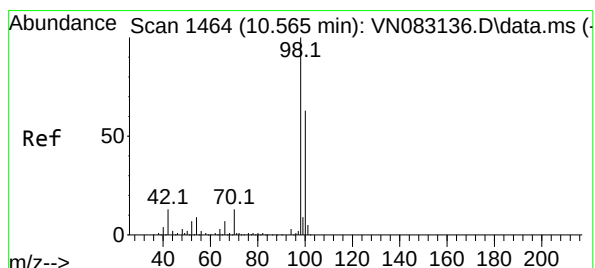
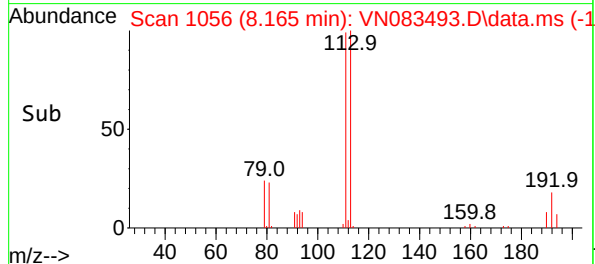
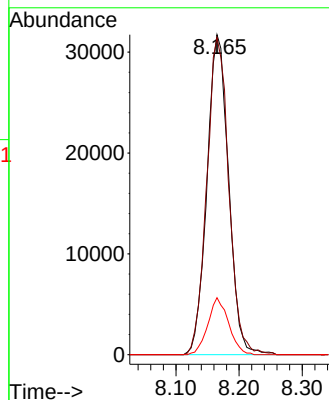
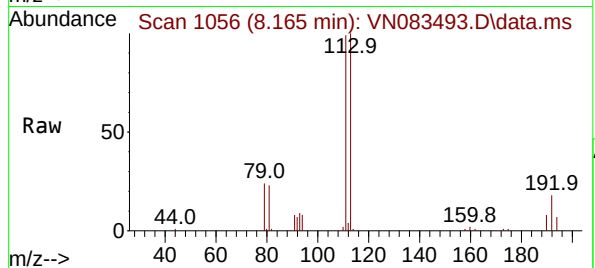
Tgt Ion:113 Resp: 75559

Ion Ratio Lower Upper

113 100

111 100.9 82.4 123.6

192 17.1 14.9 22.3



#50

Toluene-d8

Concen: 48.559 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN083493.D

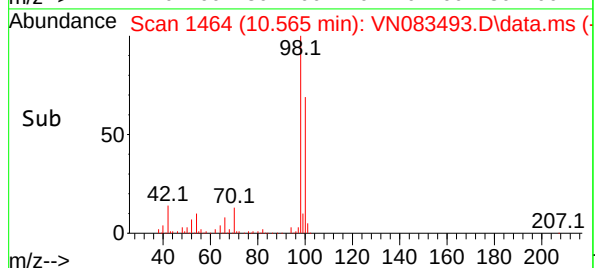
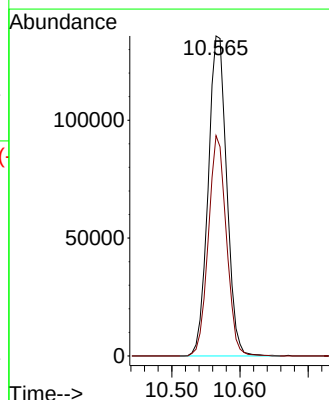
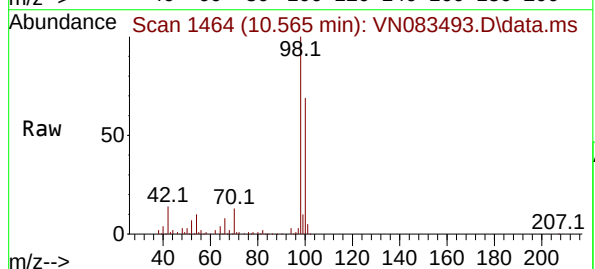
Acq: 26 Aug 2024 19:47

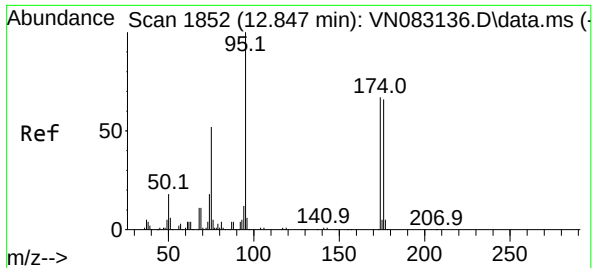
Tgt Ion: 98 Resp: 257046

Ion Ratio Lower Upper

98 100

100 66.7 51.5 77.3

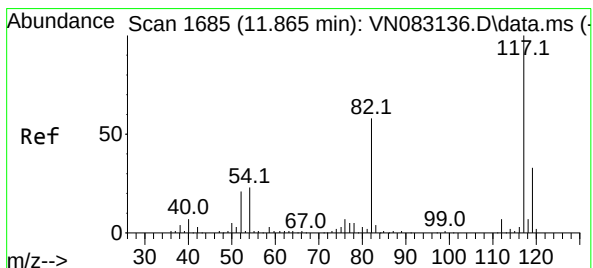
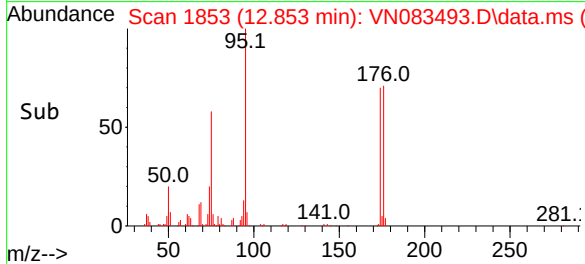
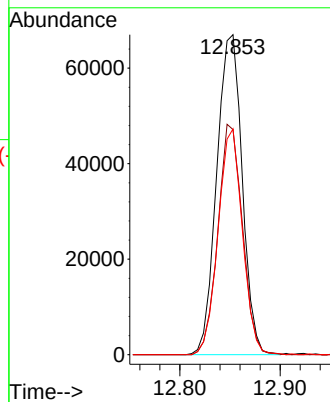
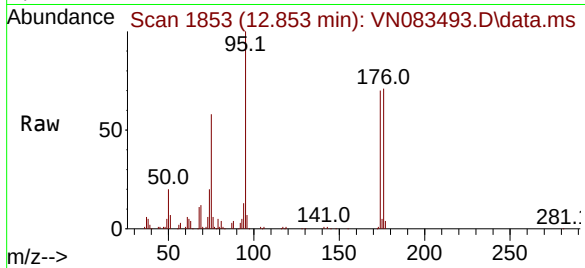




#62
4-Bromofluorobenzene
Concen: 57.224 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN083493.D
Acq: 26 Aug 2024 19:47

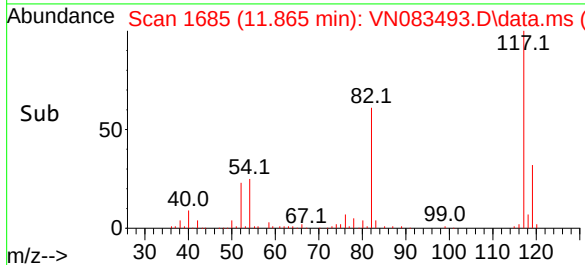
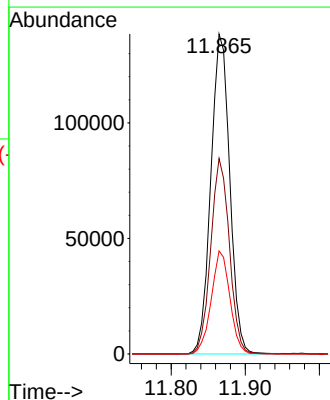
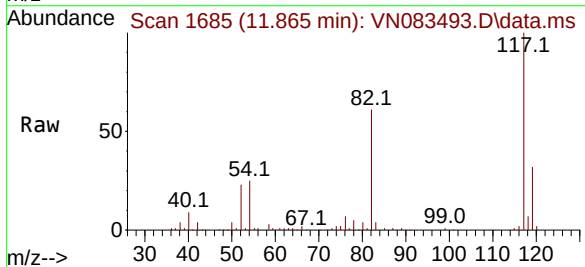
Instrument :
MSVOA_N
ClientSampleId :
1053-FB082024

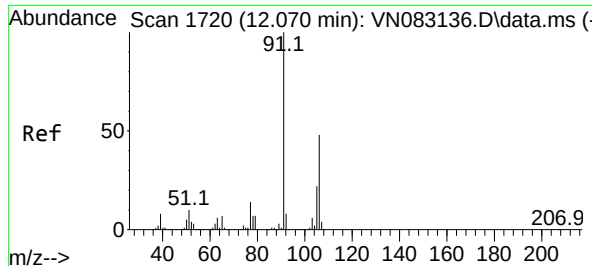
Tgt Ion: 95 Resp: 118093
Ion Ratio Lower Upper
95 100
174 69.5 0.0 159.2
176 67.3 0.0 147.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN083493.D
Acq: 26 Aug 2024 19:47

Tgt Ion: 117 Resp: 245554
Ion Ratio Lower Upper
117 100
82 61.1 47.5 71.3
119 32.2 25.6 38.4





#68

m/p-Xylenes

Concen: 2.723 ug/l

RT: 12.071 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN083493.D

Acq: 26 Aug 2024 19:47

Instrument :

MSVOA_N

ClientSampleId :

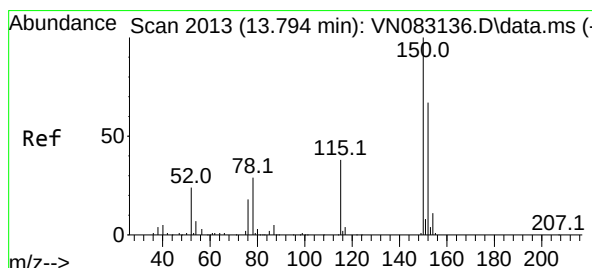
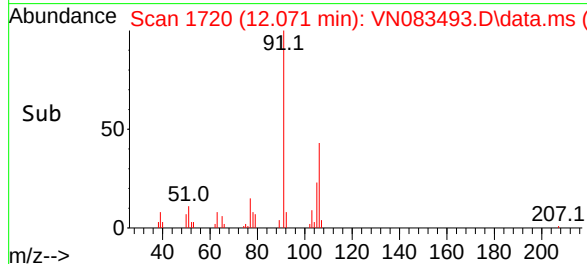
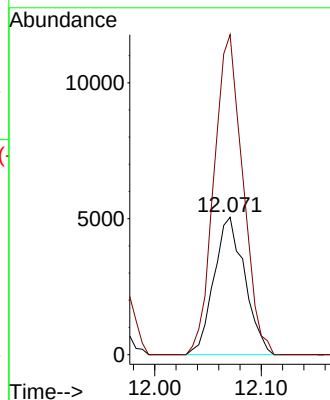
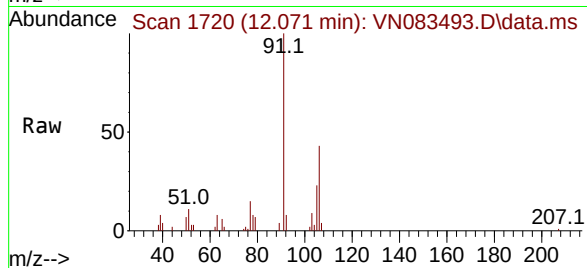
1053-FB082024

Tgt Ion:106 Resp: 10155

Ion Ratio Lower Upper

106 100

91 218.3 166.1 249.1



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.000 min

Lab File: VN083493.D

Acq: 26 Aug 2024 19:47

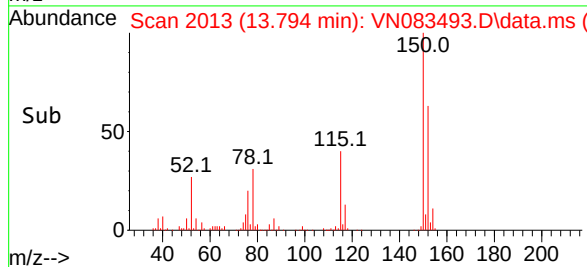
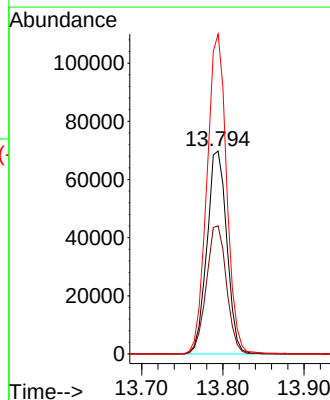
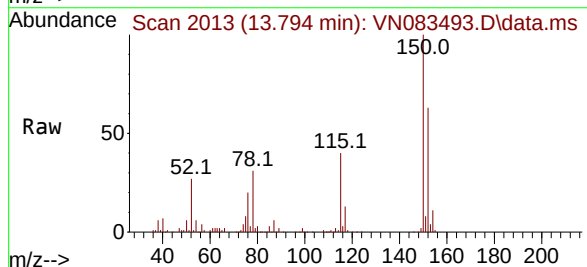
Tgt Ion:152 Resp: 118552

Ion Ratio Lower Upper

152 100

115 64.1 30.6 91.6

150 156.4 0.0 348.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082624\
Data File : VN083493.D
Acq On : 26 Aug 2024 19:47
Operator : JC\MD
Sample : P3716-08
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
1053-FB082024

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
Title : SW846 8260

Signal : TIC: VN083493.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.283	51	56	79	rVB2	72930	182161	22.96%	3.874%
2	2.812	139	146	147	rBV4	7508	14696	1.85%	0.313%
3	4.442	411	423	435	rBV2	21460	63384	7.99%	1.348%
4	8.165	1046	1056	1061	rBV	103418	254996	32.15%	5.422%
5	8.224	1061	1066	1076	rVB	165144	360046	45.39%	7.656%
6	8.577	1117	1126	1137	rBV	107187	242050	30.51%	5.147%
7	9.100	1206	1215	1225	rBV	271899	561136	70.74%	11.933%
8	10.565	1456	1464	1473	rBV	381250	710320	89.54%	15.105%
9	11.865	1678	1685	1697	rBV	449841	793265	100.00%	16.869%
10	11.965	1697	1702	1707	rVB	8713	13464	1.70%	0.286%
11	12.071	1713	1720	1730	rVB	33801	64252	8.10%	1.366%
12	12.400	1768	1776	1783	rBV4	13786	26512	3.34%	0.564%
13	12.847	1844	1852	1863	rBV	334308	581443	73.30%	12.364%
14	13.794	2006	2013	2023	rVV	463609	781099	98.47%	16.610%
15	14.247	2085	2090	2096	rBV2	17125	26147	3.30%	0.556%
16	14.494	2127	2132	2137	rBV	19072	27613	3.48%	0.587%

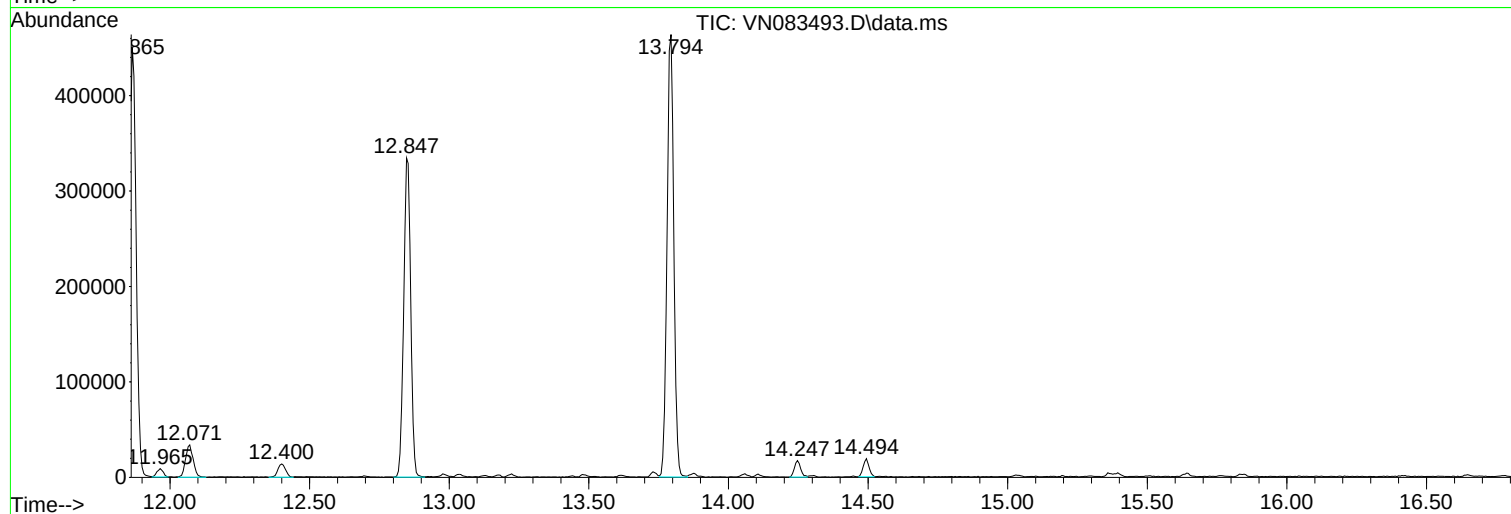
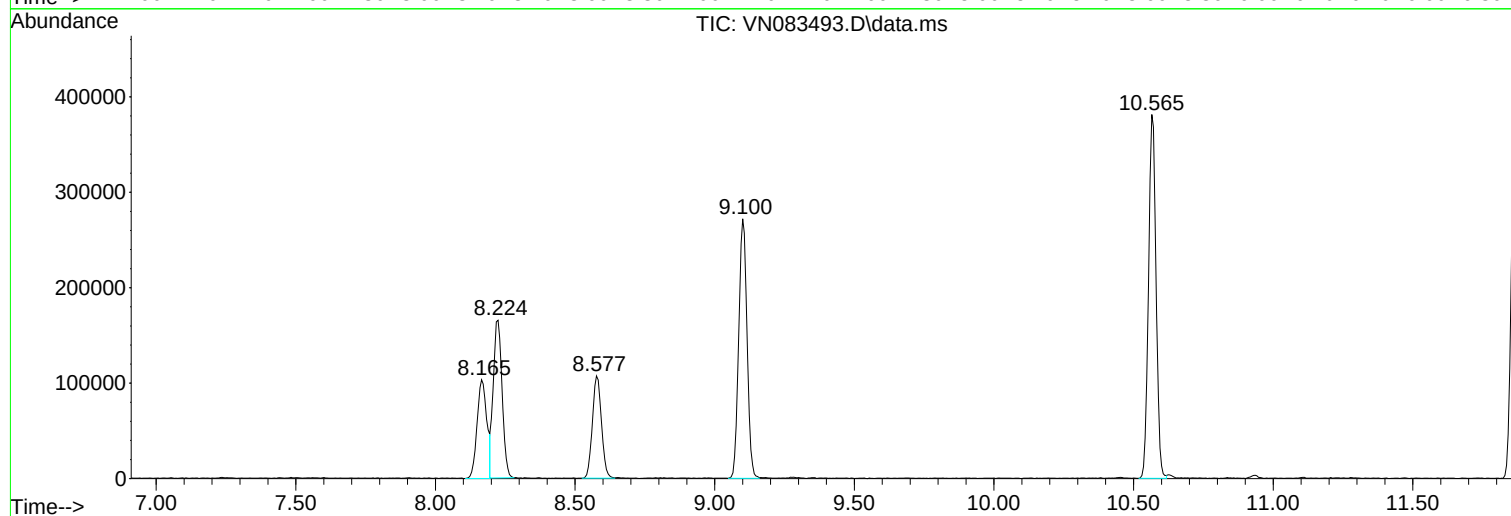
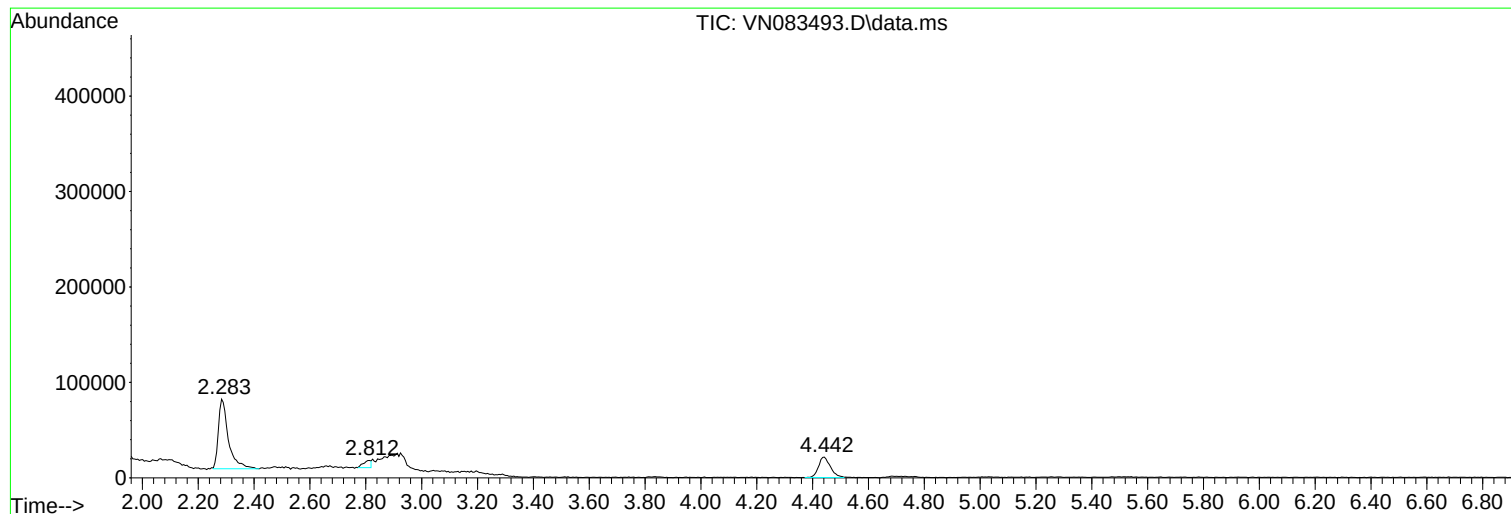
Sum of corrected areas: 4702584

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082624\
Data File : VN083493.D
Acq On : 26 Aug 2024 19:47
Operator : JC\MD
Sample : P3716-08
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
1053-FB082024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082624\
Data File : VN083493.D
Acq On : 26 Aug 2024 19:47
Operator : JC\MD
Sample : P3716-08
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
1053-FB082024

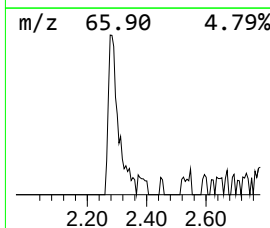
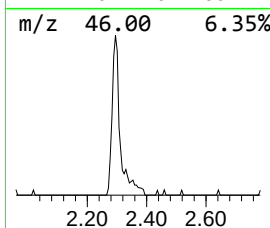
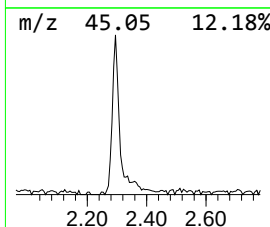
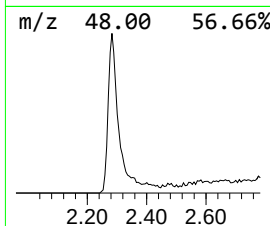
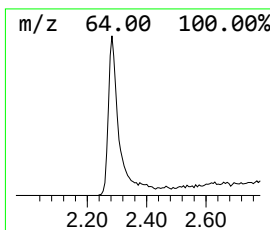
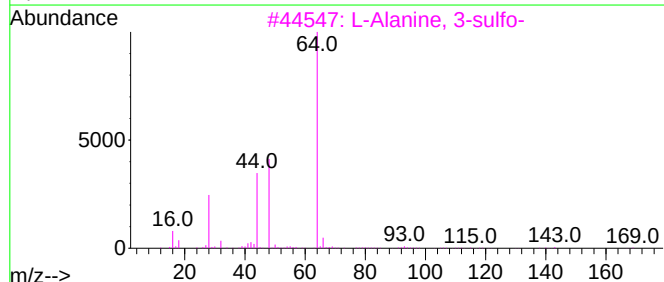
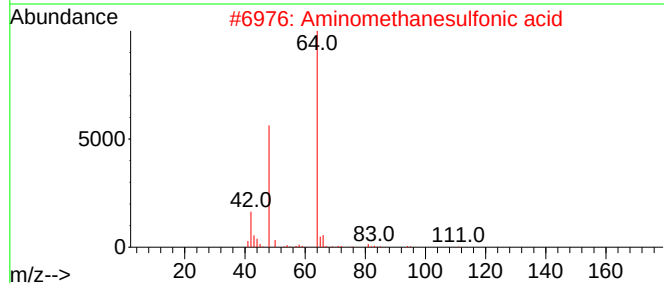
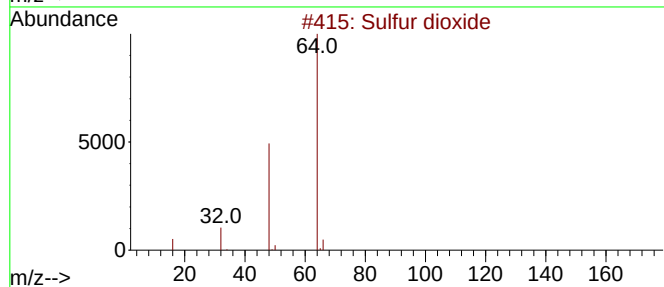
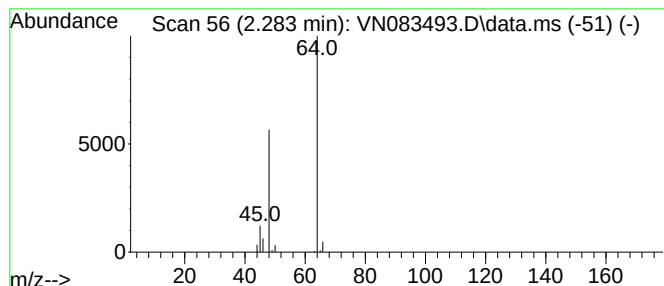
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
Quant Title : SW846 8260

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.
2.283	25.30 ug/l	182161	Pentafluorobenzene	8.224

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	64
3			L-Alanine, 3-sulfo-	169	C3H7NO5S	000498-40-8	9
4			Ethene, 1,2-difluoro-	64	C2H2F2	001691-13-0	5
5			Ethene, 1,1-difluoro-	64	C2H2F2	000075-38-7	4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082624\
Data File : VN083493.D
Acq On : 26 Aug 2024 19:47
Operator : JC\MD
Sample : P3716-08
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
1053-FB082024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.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--			
					#	RT	Resp	Conc
Sulfur dioxide	2.283	25.3	ug/l	182161	1	8.224	360046	50.0

Report of Analysis

Client:	Day Environmental, Inc.		Date Collected:	08/20/24	
Project:	NYSDEC Andrews St Site #E828144		Date Received:	08/22/24	
Client Sample ID:	1054-TB082024		SDG No.:	P3716	
Lab Sample ID:	P3716-09		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
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	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN083499.D	1		08/27/24 10:28	VN082724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.21	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.35	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.34	1.00	ug/L
74-83-9	Bromomethane	5.00	U	1.40	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	UQ	0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	UQ	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.26	1.00	ug/L
67-64-1	Acetone	5.00	U	1.40	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.60	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	UQ	0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	UQ	0.23	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.60	5.00	ug/L
78-93-3	2-Butanone	5.00	U	1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00	UQ	0.25	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.18	1.00	ug/L
67-66-3	Chloroform	1.00	UQ	0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	UQ	0.19	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.19	1.00	ug/L
71-43-2	Benzene	1.00	UQ	0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	UQ	0.24	1.00	ug/L
79-01-6	Trichloroethene	1.00	U	0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	UQ	0.19	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	UQ	0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.75	5.00	ug/L
108-88-3	Toluene	1.00	UQ	0.18	1.00	ug/L

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	08/20/24
Project:	NYSDEC Andrews St Site #E828144	Date Received:	08/22/24
Client Sample ID:	1054-TB082024	SDG No.:	P3716
Lab Sample ID:	P3716-09	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
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
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN083499.D	1		08/27/24 10:28	VN082724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	UQ	0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	1.00	UQ	0.21	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	1.10	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	UQ	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	UQ	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	1.00	U	0.25	1.00	ug/L
108-90-7	Chlorobenzene	1.00	UQ	0.13	1.00	ug/L
100-41-4	Ethyl Benzene	2.50		0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	11.3		0.31	2.00	ug/L
95-47-6	o-Xylene	1.90		0.14	1.00	ug/L
100-42-5	Styrene	1.00	U	0.16	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.21	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.0		74 - 125	106%	SPK: 50
1868-53-7	Dibromofluoromethane	48.6		75 - 124	97%	SPK: 50
2037-26-5	Toluene-d8	46.2		86 - 113	92%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.2		77 - 121	108%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	148000	8.224			
540-36-3	1,4-Difluorobenzene	292000	9.1			
3114-55-4	Chlorobenzene-d5	310000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	145000	13.794			

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	08/20/24
Project:	NYSDEC Andrews St Site #E828144	Date Received:	08/22/24
Client Sample ID:	1054-TB082024	SDG No.:	P3716
Lab Sample ID:	P3716-09	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5	Units:	mL
Soil Aliquot Vol:			uL
GC Column:	RXI-624	ID :	0.25
Prep Method :		Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN083499.D	1		08/27/24 10:28	VN082724

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\VN082724\
Data File : VN083499.D
Acq On : 27 Aug 2024 10:28
Operator : JC\MD
Sample : P3716-09
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
1054-TB082024

Quant Time: Aug 28 05:01:01 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 08 06:30:41 2024
Response via : Initial Calibration

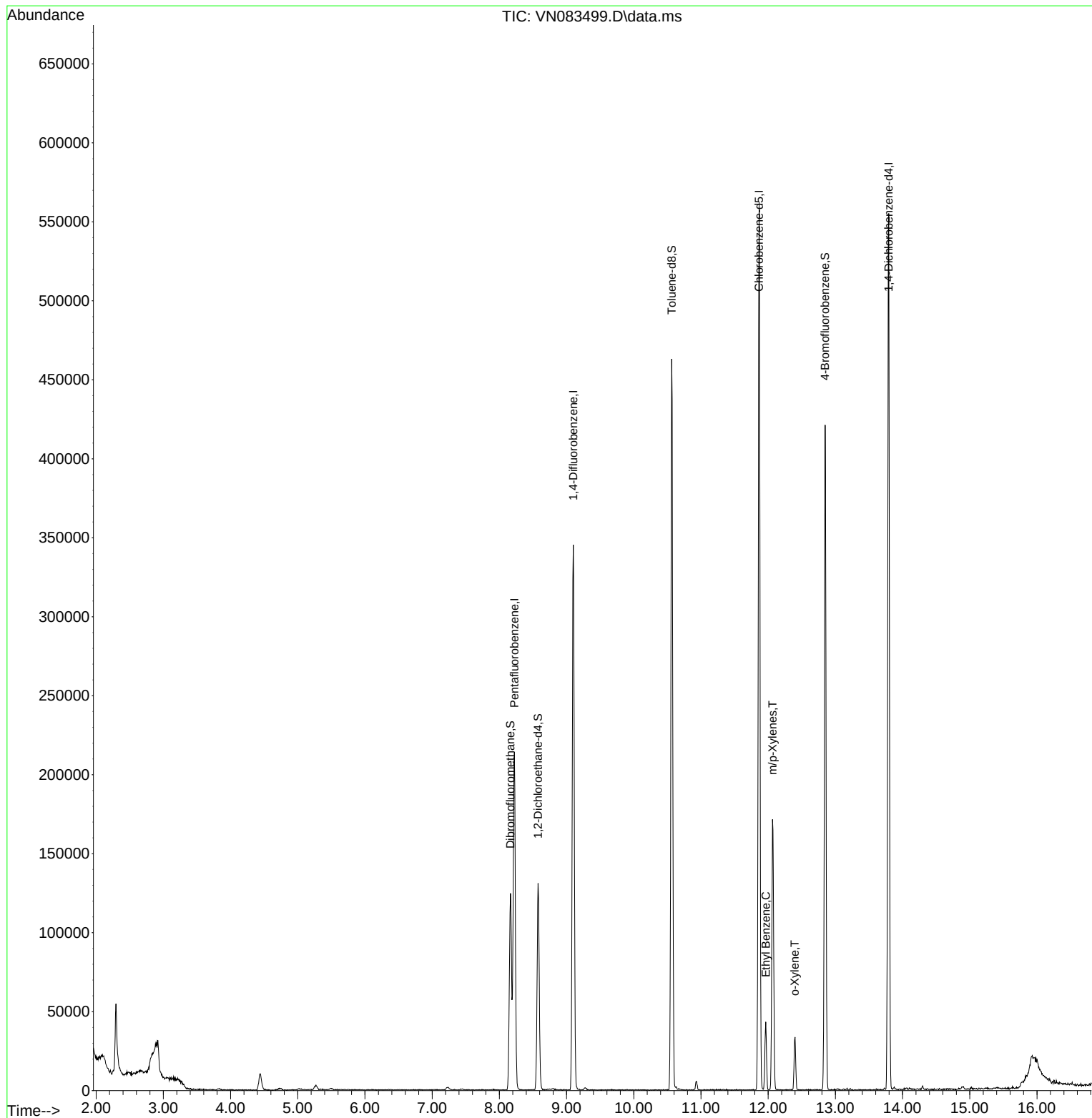
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	147634	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	291610	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	309738	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	144572	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	111311	52.970	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 105.940%		
35) Dibromofluoromethane	8.165	113	88480	48.611	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 97.220%		
50) Toluene-d8	10.565	98	313498	46.173	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 92.340%		
62) 4-Bromofluorobenzene	12.847	95	143356	54.158	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 108.320%		
Target Compounds						Qvalue
67) Ethyl Benzene	11.965	91	31207	2.485	ug/l	96
68) m/p-Xylenes	12.065	106	53090	11.287	ug/l	94
69) o-Xylene	12.394	106	9040	1.949	ug/l	97

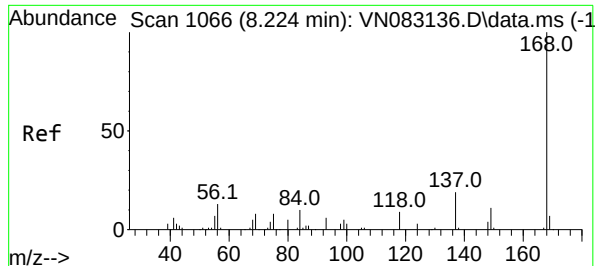
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082724\
Data File : VN083499.D
Acq On : 27 Aug 2024 10:28
Operator : JC\MD
Sample : P3716-09
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
1054-TB082024

Quant Time: Aug 28 05:01:01 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 08 06:30:41 2024
Response via : Initial Calibration

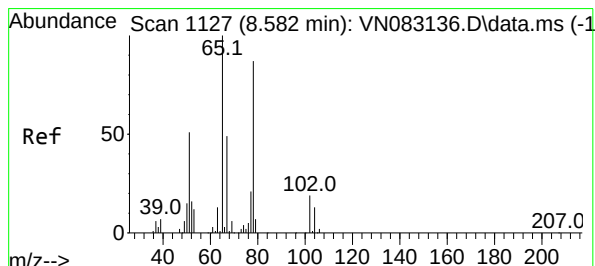
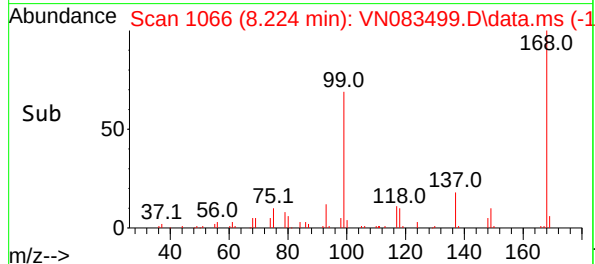
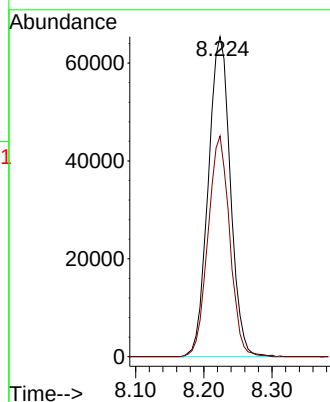
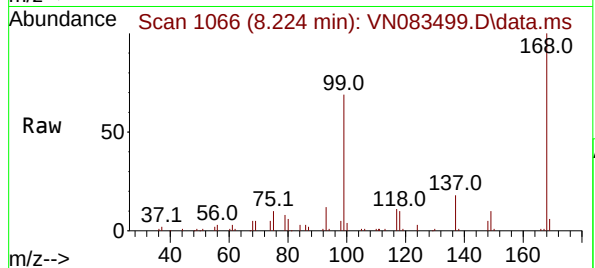




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083499.D
Acq: 27 Aug 2024 10:28

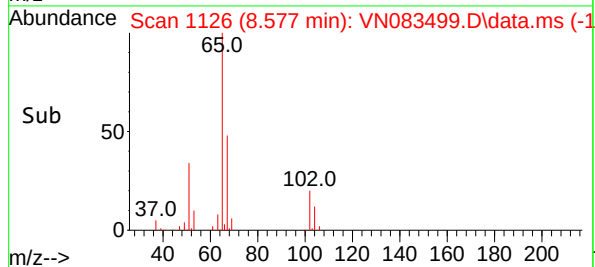
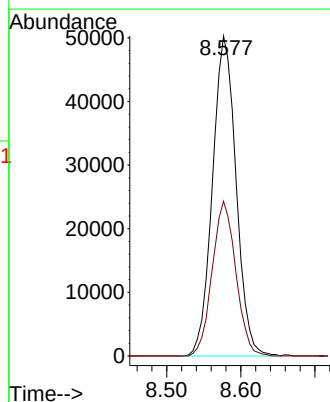
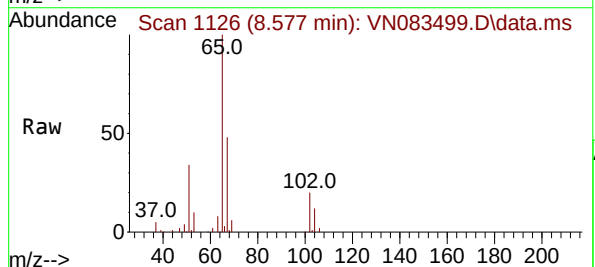
Instrument :
MSVOA_N
ClientSampleId :
1054-TB082024

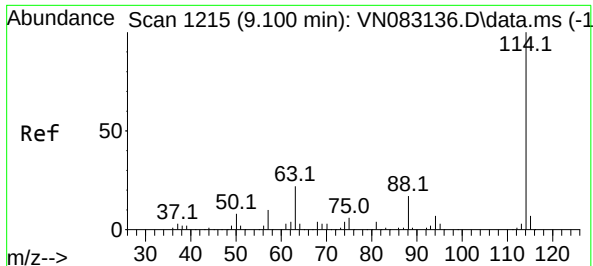
Tgt Ion:168 Resp: 147634
Ion Ratio Lower Upper
168 100
99 69.0 48.2 72.4



#33
1,2-Dichloroethane-d4
Concen: 52.970 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.005 min
Lab File: VN083499.D
Acq: 27 Aug 2024 10:28

Tgt Ion: 65 Resp: 111311
Ion Ratio Lower Upper
65 100
67 48.4 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN083499.D

Acq: 27 Aug 2024 10:28

Instrument :

MSVOA_N

ClientSampleId :

1054-TB082024

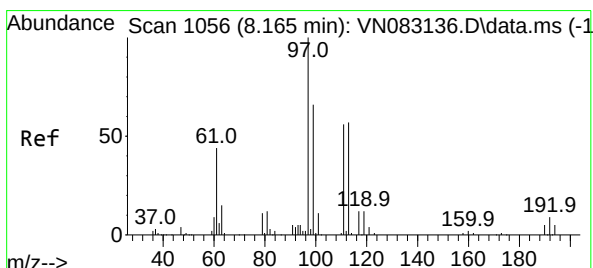
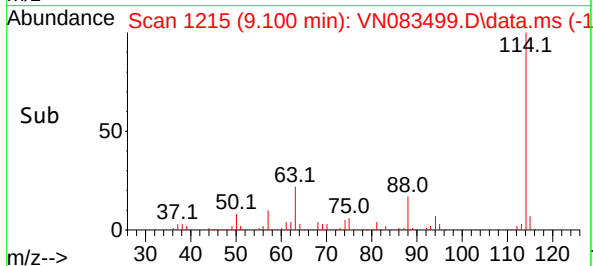
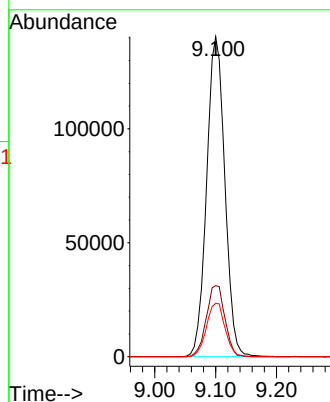
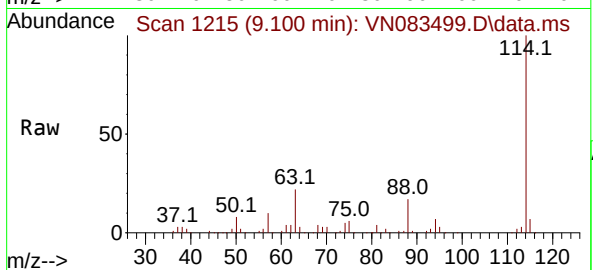
Tgt Ion:114 Resp: 291610

Ion Ratio Lower Upper

114 100

63 22.2 0.0 44.6

88 16.7 0.0 31.4



#35

Dibromofluoromethane

Concen: 48.611 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN083499.D

Acq: 27 Aug 2024 10:28

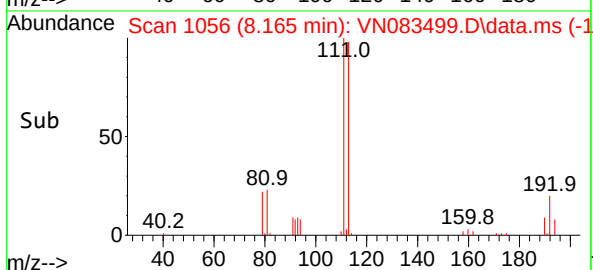
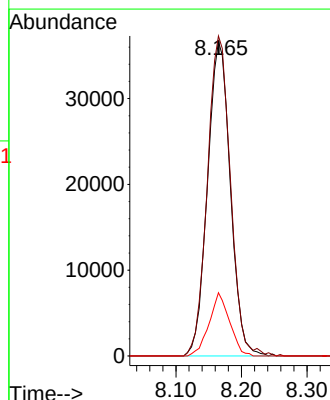
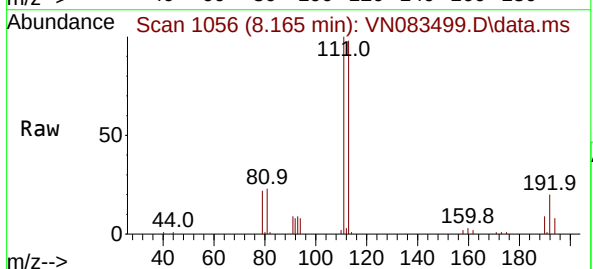
Tgt Ion:113 Resp: 88480

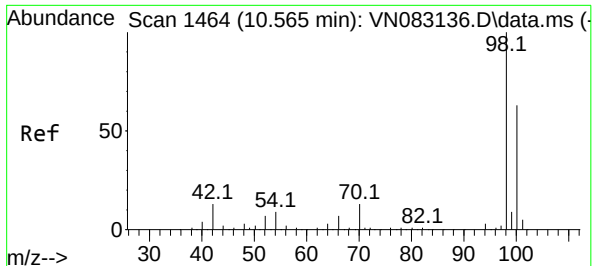
Ion Ratio Lower Upper

113 100

111 103.0 82.4 123.6

192 18.0 14.9 22.3





#50

Toluene-d8

Concen: 46.173 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN083499.D

Acq: 27 Aug 2024 10:28

Instrument :

MSVOA_N

ClientSampleId :

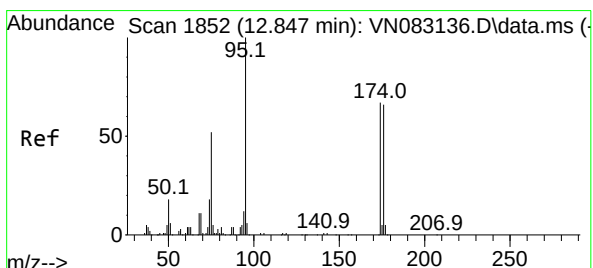
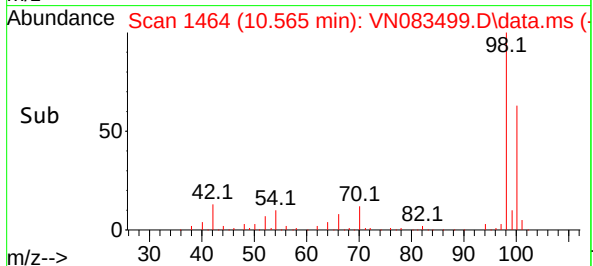
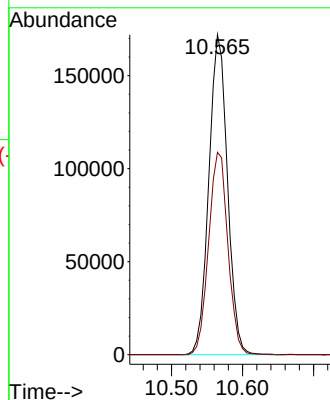
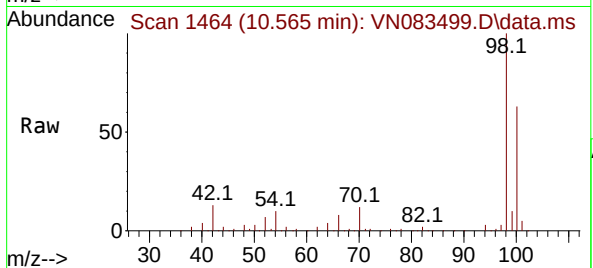
1054-TB082024

Tgt Ion: 98 Resp: 313498

Ion Ratio Lower Upper

98 100

100 65.5 51.5 77.3



#62

4-Bromofluorobenzene

Concen: 54.158 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.000 min

Lab File: VN083499.D

Acq: 27 Aug 2024 10:28

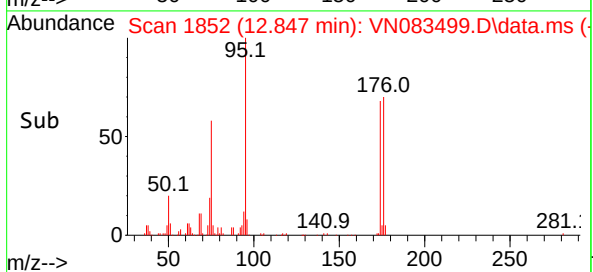
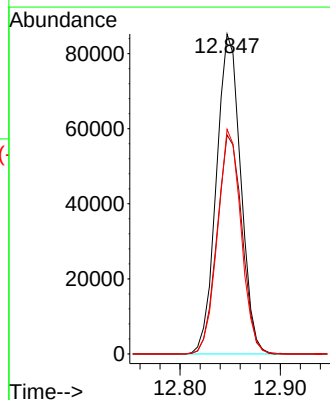
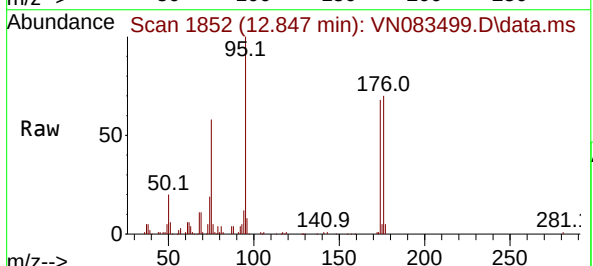
Tgt Ion: 95 Resp: 143356

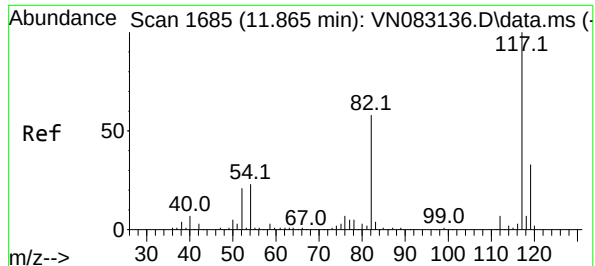
Ion Ratio Lower Upper

95 100

174 70.4 0.0 159.2

176 68.2 0.0 147.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN083499.D

Acq: 27 Aug 2024 10:28

Instrument :

MSVOA_N

ClientSampleId :

1054-TB082024

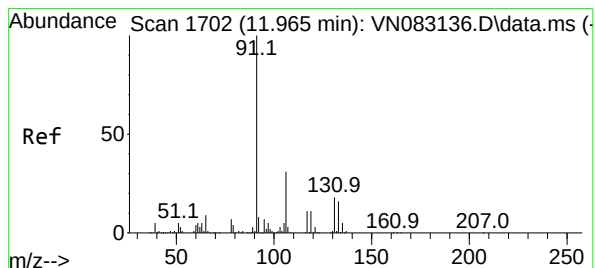
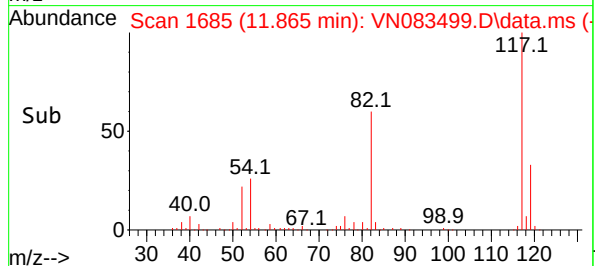
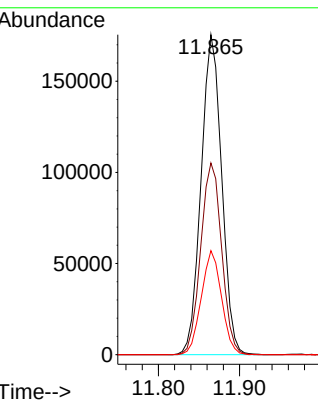
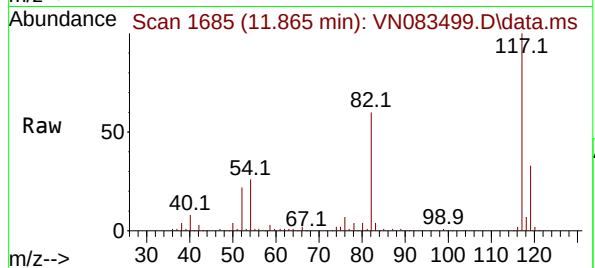
Tgt Ion:117 Resp: 309738

Ion Ratio Lower Upper

117 100

82 59.9 47.5 71.3

119 32.5 25.6 38.4



#67

Ethyl Benzene

Concen: 2.485 ug/l

RT: 11.965 min Scan# 1702

Delta R.T. -0.000 min

Lab File: VN083499.D

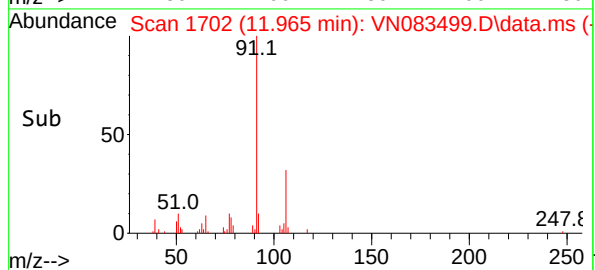
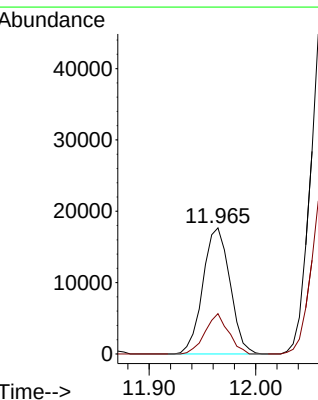
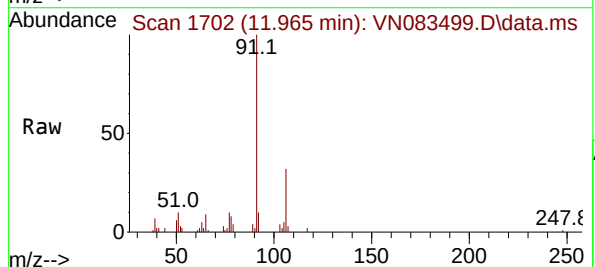
Acq: 27 Aug 2024 10:28

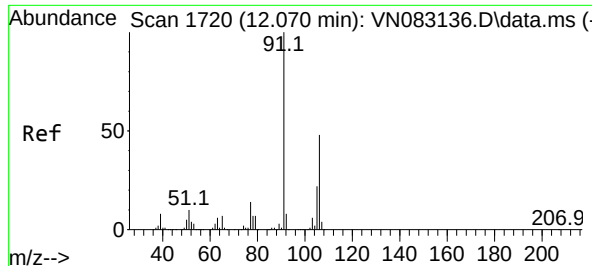
Tgt Ion: 91 Resp: 31207

Ion Ratio Lower Upper

91 100

106 32.0 24.0 36.0





#68

m/p-Xylenes

Concen: 11.287 ug/l

RT: 12.065 min Scan# 1719

Delta R.T. -0.006 min

Lab File: VN083499.D

Acq: 27 Aug 2024 10:28

Instrument :

MSVOA_N

ClientSampleId :

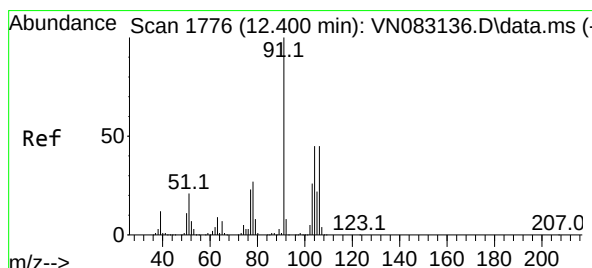
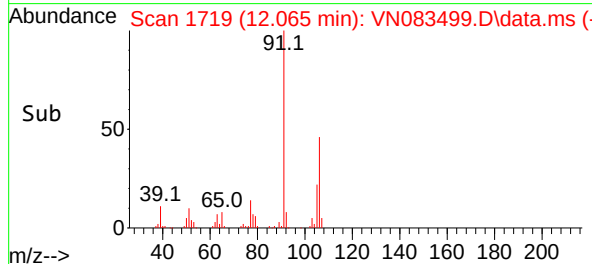
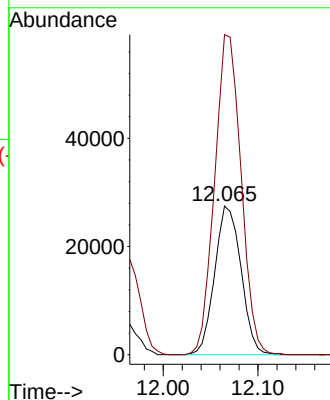
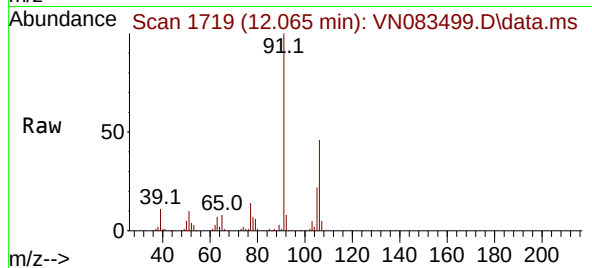
1054-TB082024

Tgt Ion:106 Resp: 53090

Ion Ratio Lower Upper

106 100

91 216.6 166.1 249.1



#69

o-Xylene

Concen: 1.949 ug/l

RT: 12.394 min Scan# 1775

Delta R.T. -0.006 min

Lab File: VN083499.D

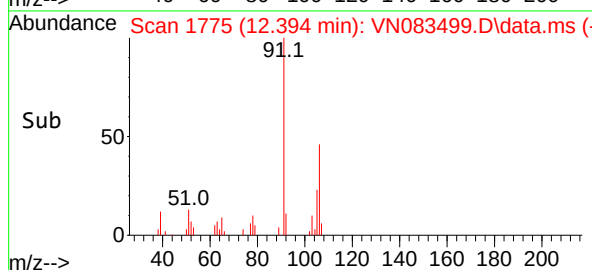
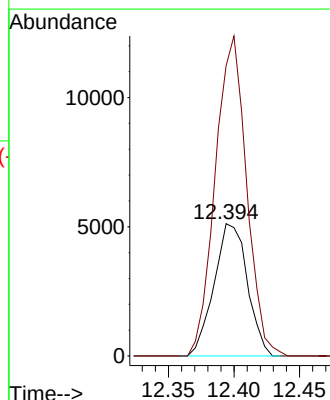
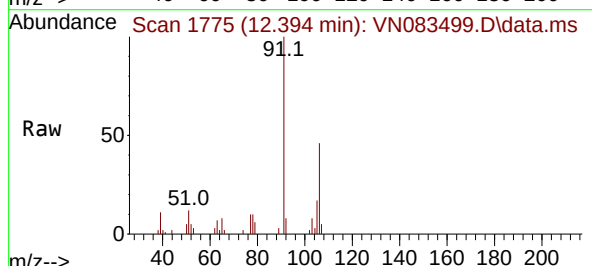
Acq: 27 Aug 2024 10:28

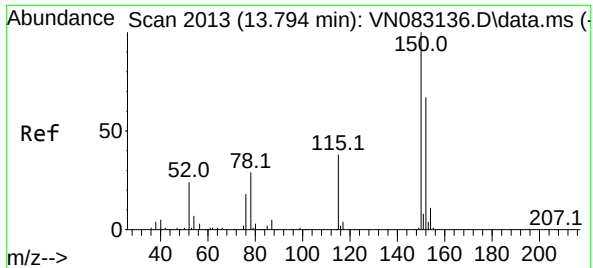
Tgt Ion:106 Resp: 9040

Ion Ratio Lower Upper

106 100

91 227.3 111.3 333.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 20

Delta R.T. -0.000 min

Lab File: VN083499.D

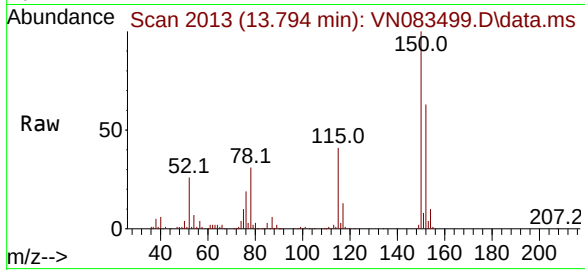
Acq: 27 Aug 2024 10:28

Instrument :

MSVOA_N

ClientSampleId :

1054-TB082024



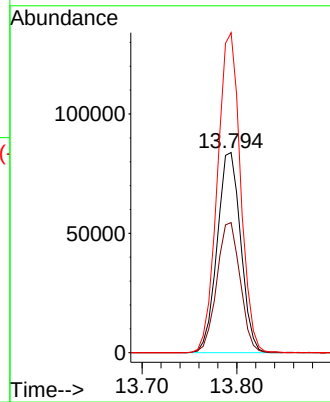
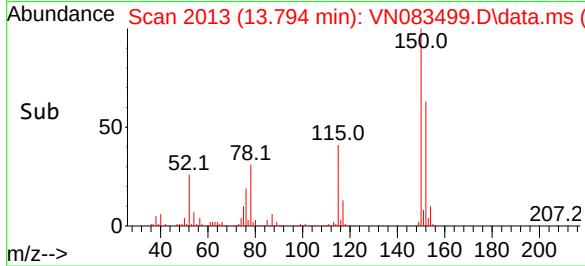
Tgt Ion:152 Resp: 144572

Ion Ratio Lower Upper

152 100

115 64.7 30.6 91.6

150 157.1 0.0 348.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082724\
Data File : VN083499.D
Acq On : 27 Aug 2024 10:28
Operator : JC\MD
Sample : P3716-09
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
1054-TB082024

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
Title : SW846 8260

Signal : TIC: VN083499.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.295	52	58	75	rVB2	45098	101303	10.17%	1.684%
2	2.883	142	158	159	rBV6	17000	63908	6.41%	1.062%
3	2.918	162	164	173	rVB6	22119	35043	3.52%	0.582%
4	4.442	413	423	433	rBV2	10562	31786	3.19%	0.528%
5	8.165	1047	1056	1060	rBV	124510	285097	28.61%	4.738%
6	8.224	1060	1066	1082	rVB	214043	489776	49.15%	8.139%
7	8.577	1116	1126	1139	rBV	130861	291025	29.21%	4.836%
8	9.100	1207	1215	1228	rBV	345063	716243	71.88%	11.903%
9	10.565	1456	1464	1474	rBV	462666	855578	85.87%	14.219%
10	10.929	1519	1526	1533	rBV3	5580	10122	1.02%	0.168%
11	11.865	1675	1685	1696	rBV	561729	996414	100.00%	16.559%
12	11.965	1696	1702	1709	rVB	42978	70176	7.04%	1.166%
13	12.065	1712	1719	1728	rVB	170901	326717	32.79%	5.430%
14	12.400	1768	1776	1783	rBV	33647	57872	5.81%	0.962%
15	12.847	1842	1852	1860	rBV	420893	701468	70.40%	11.657%
16	13.794	2005	2013	2023	rBV	554550	944429	94.78%	15.695%
17	15.929	2363	2376	2378	rBV4	13190	40391	4.05%	0.671%

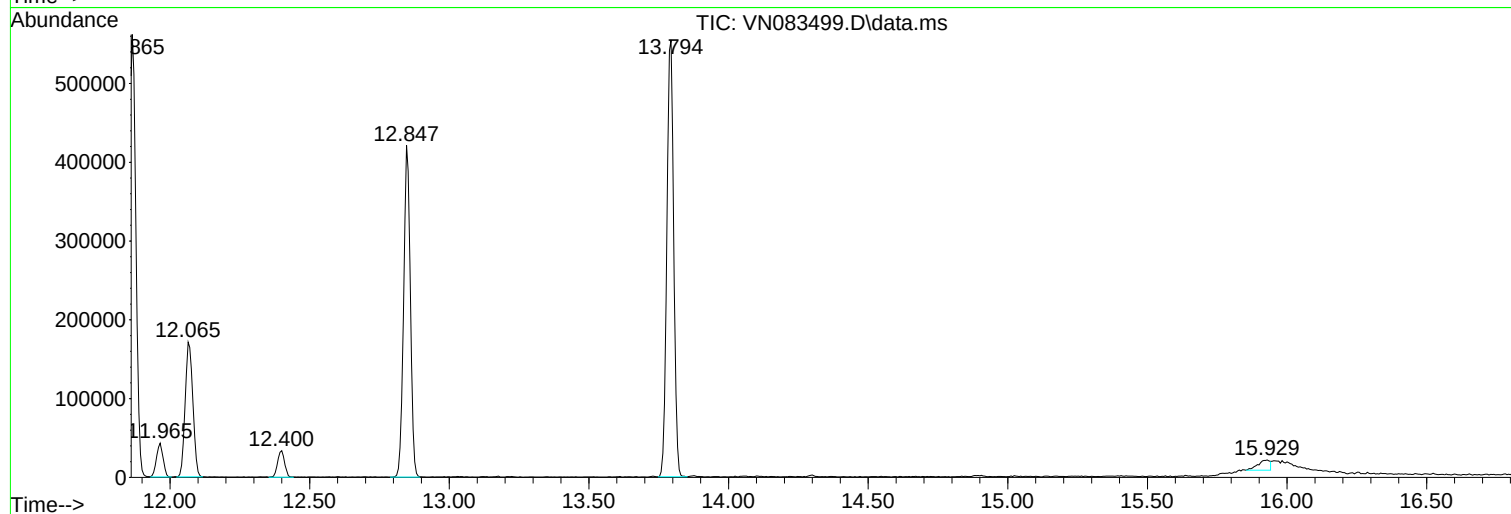
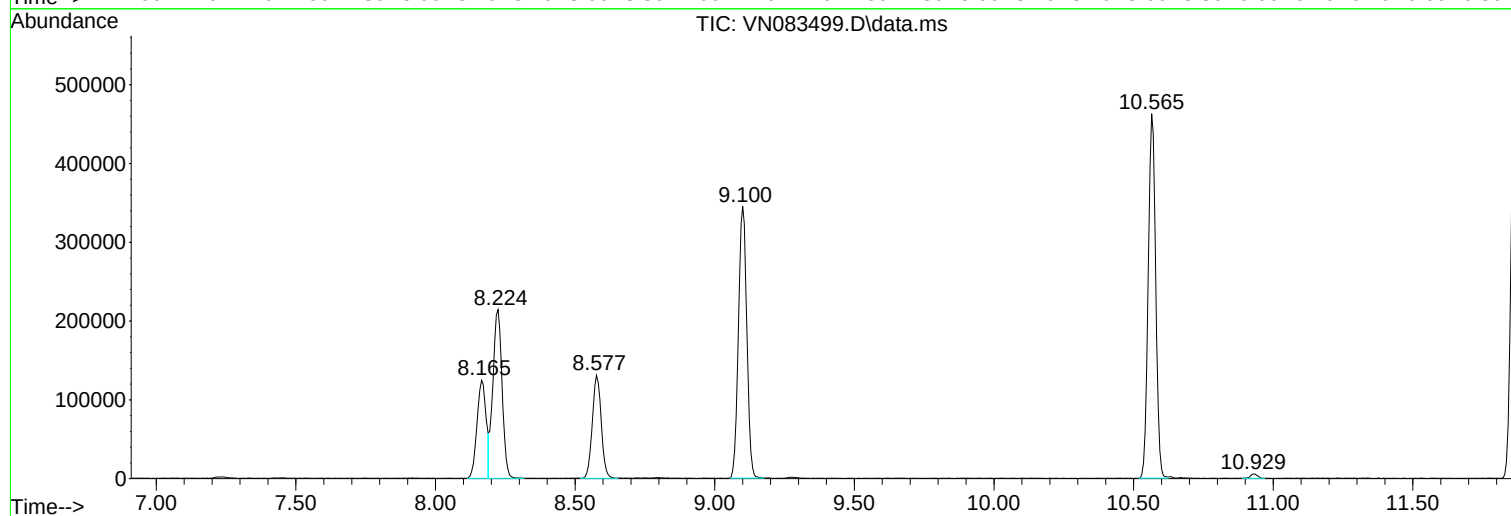
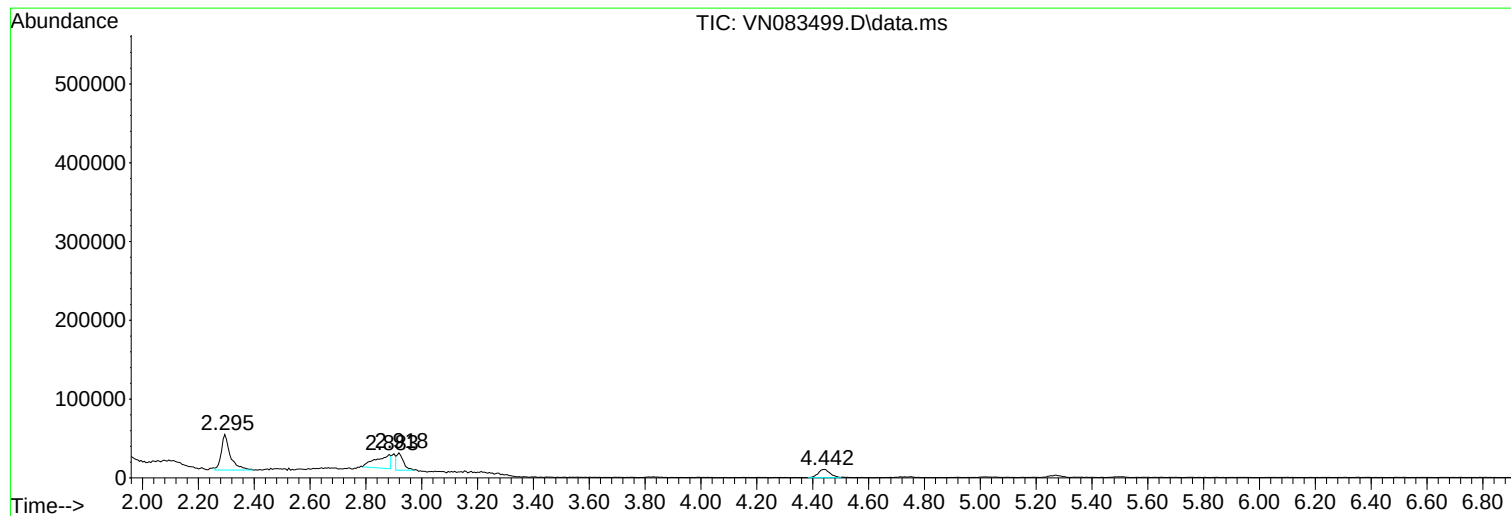
Sum of corrected areas: 6017348

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082724\
Data File : VN083499.D
Acq On : 27 Aug 2024 10:28
Operator : JC\MD
Sample : P3716-09
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
1054-TB082024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082724\
Data File : VN083499.D
Acq On : 27 Aug 2024 10:28
Operator : JC\MD
Sample : P3716-09
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
1054-TB082024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082724\
Data File : VN083499.D
Acq On : 27 Aug 2024 10:28
Operator : JC\MD
Sample : P3716-09
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
1054-TB082024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
Quant Title : SW846 8260

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

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



CALIBRATION SUMMARY

1
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15
16

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: P3716 SAS No.: P3716 SDG No.: P3716
 Instrument ID: MSVOA_N Calibration Date(s): 08/07/2024 08/07/2024
 Heated Purge: (Y/N) N Calibration Time(s): 10:33 12:34
 GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:	RRF100 = VN083135.D	RRF050 = VN083136.D	RRF020 = VN083137.D	RRF010 = VN083138.D	RRF005 = VN083139.D	RRF001 = VN083140.D		
COMPOUND	RRF100	RRF050	RRF020	RRF010	RRF005	RRF001	RRF	% RSD
Dichlorodifluoromethane	0.548	0.571	0.566	0.579	0.597	0.542	0.567	3.6
Chloromethane	0.547	0.591	0.584	0.589	0.595	0.576	0.581	3.1
Vinyl Chloride	0.562	0.598	0.588	0.612	0.586	0.607	0.592	3
Bromomethane	0.313	0.357	0.370	0.385	0.413		0.368	10.1
Chloroethane	0.340	0.356	0.356	0.355	0.381	0.436	0.371	9.3
Trichlorofluoromethane	0.955	0.995	1.005	1.013	1.003	0.901	0.979	4.4
1,1,2-Trichlorotrifluoroethane	0.524	0.548	0.548	0.550	0.558	0.510	0.539	3.4
1,1-Dichloroethene	0.524	0.544	0.538	0.564	0.581	0.575	0.554	4.1
Acetone	0.302	0.286	0.260	0.284	0.274	0.265	0.278	5.5
Carbon Disulfide	1.466	1.560	1.596	1.599	1.630	1.879	1.622	8.5
Methyl tert-butyl Ether	1.927	2.028	2.028	2.015	2.053	1.953	2.001	2.5
Methyl Acetate	0.758	0.776	0.773	0.842	0.844	0.985	0.830	10.2
Methylene Chloride	0.569	0.599	0.619	0.614	0.640	0.805	0.641	13
trans-1,2-Dichloroethene	0.533	0.574	0.577	0.586	0.568	0.599	0.573	3.9
1,1-Dichloroethane	1.038	1.084	1.093	1.096	1.093	1.035	1.073	2.7
Cyclohexane	0.933	0.982	1.010	1.110	1.238		1.055	11.5
2-Butanone	0.418	0.427	0.424	0.430	0.414	0.453	0.428	3.2
Carbon Tetrachloride	0.524	0.546	0.548	0.541	0.539	0.493	0.532	3.9
cis-1,2-Dichloroethene	0.658	0.689	0.691	0.701	0.687	0.721	0.691	3
Bromochloromethane	0.427	0.439	0.420	0.391	0.489	0.465	0.439	7.9
Chloroform	1.087	1.137	1.110	1.132	1.122	1.102	1.115	1.7
1,1,1-Trichloroethane	1.027	1.075	1.066	1.076	1.081	1.007	1.055	2.9
Methylcyclohexane	0.565	0.597	0.587	0.583	0.575	0.572	0.580	2
Benzene	1.386	1.447	1.431	1.429	1.403	1.343	1.406	2.7
1,2-Dichloroethane	0.494	0.520	0.514	0.524	0.524	0.498	0.512	2.6
Trichloroethene	0.331	0.344	0.343	0.341	0.340	0.310	0.335	3.9
1,2-Dichloropropane	0.331	0.346	0.344	0.341	0.326	0.316	0.334	3.5
Bromodichloromethane	0.521	0.539	0.540	0.533	0.541	0.544	0.537	1.6
4-Methyl-2-Pentanone	0.495	0.517	0.516	0.516	0.499	0.457	0.500	4.6
Toluene	0.892	0.926	0.905	0.900	0.885	0.824	0.889	3.9

* 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.

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: P3716 SAS No.: P3716 SDG No.: P3716
 Instrument ID: MSVOA_N Calibration Date(s): 08/07/2024 08/07/2024
 Heated Purge: (Y/N) N Calibration Time(s): 10:33 12:34
 GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:		RRF100 = VN083135.D		RRF050 = VN083136.D		RRF020 = VN083137.D			
		RRF010 = VN083138.D		RRF005 = VN083139.D		RRF001 = VN083140.D			
COMPOUND	RRF100	RRF050	RRF020	RRF010	RRF005	RRF001	RRF	% RSD	
t-1,3-Dichloropropene	0.569	0.597	0.573	0.552	0.546	0.469	0.551	8	
cis-1,3-Dichloropropene	0.586	0.606	0.597	0.595	0.588	0.546	0.586	3.5	
1,1,2-Trichloroethane	0.322	0.334	0.331	0.327	0.314	0.283	0.318	6	
2-Hexanone	0.388	0.397	0.395	0.389	0.385	0.367	0.387	2.7	
Dibromochloromethane	0.400	0.413	0.397	0.388	0.383	0.329	0.385	7.7	
1,2-Dibromoethane	0.334	0.347	0.336	0.342	0.332	0.317	0.335	3.1	
Tetrachloroethene	0.319	0.343	0.338	0.343	0.324	0.320	0.331	3.5	
Chlorobenzene	1.070	1.142	1.101	1.153	1.094	1.069	1.105	3.2	
Ethyl Benzene	1.967	2.075	2.061	2.070	2.032	1.957	2.027	2.6	
m/p-Xylenes	0.747	0.787	0.771	0.785	0.759	0.706	0.759	4	
o-Xylene	0.735	0.773	0.759	0.773	0.750	0.703	0.749	3.6	
Styrene	1.261	1.336	1.288	1.300	1.261	1.100	1.258	6.5	
Bromoform	0.310	0.318	0.309	0.292	0.275	0.267	0.295	7	
Isopropylbenzene	3.822	4.249	4.133	4.386	4.249	4.254	4.182	4.6	
1,1,2,2-Tetrachloroethane	1.085	1.167	1.163	1.211	1.237	1.234	1.183	4.9	
1,3-Dichlorobenzene	1.643	1.771	1.739	1.757	1.708	1.870	1.748	4.3	
1,4-Dichlorobenzene	1.655	1.783	1.728	1.751	1.795	1.862	1.762	4	
1,2-Dichlorobenzene	1.571	1.704	1.664	1.739	1.731	1.741	1.692	3.9	
1,2-Dibromo-3-Chloropropane	0.258	0.281	0.277	0.289	0.307	0.310	0.287	6.8	
1,2,4-Trichlorobenzene	0.914	0.984	0.943	0.938	0.893	1.014	0.948	4.7	
1,2,3-Trichlorobenzene	0.877	0.963	0.920	0.974	0.920	0.972	0.938	4.1	
1,2-Dichloroethane-d4	0.717	0.745	0.601	0.710	0.786		0.712	9.7	
Dibromofluoromethane	0.311	0.332	0.264	0.307	0.346		0.312	10	
Toluene-d8	1.201	1.261	0.985	1.133	1.240		1.164	9.6	
4-Bromofluorobenzene	0.473	0.492	0.390	0.432	0.483		0.454	9.4	

* 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.

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 82N080724W.M
 Title : SW846 8260
 Last Update : Thu Aug 08 06:30:41 2024
 Response Via : Initial Calibration

Calibration Files

1 =VN083140.D 5 =VN083139.D 10 =VN083138.D 20 =VN083137.D 50 =VN083136.D 100 =VN083135.D

	Compound	1	5	10	20	50	100	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.542	0.597	0.579	0.566	0.571	0.548	0.567	3.55
3) P	Chloromethane	0.576	0.595	0.589	0.584	0.591	0.547	0.581	3.06
4) C	Vinyl Chloride	0.607	0.586	0.612	0.588	0.598	0.562	0.592	3.02#
5) T	Bromomethane		0.413	0.385	0.370	0.357	0.313	0.368	10.07
6) T	Chloroethane	0.436	0.381	0.355	0.356	0.356	0.340	0.371	9.33
7) T	Trichlorofluor...	0.901	1.003	1.013	1.005	0.995	0.955	0.979	4.42
8) T	Diethyl Ether	0.338	0.380	0.385	0.367	0.366	0.348	0.364	4.97
9) T	1,1,2-Trichlor...	0.510	0.558	0.550	0.548	0.548	0.524	0.539	3.41
10) T	Methyl Iodide		0.688	0.710	0.703	0.740	0.707	0.710	2.72
11) T	Tert butyl alc...		0.155	0.155	0.146	0.147	0.136	0.148	5.22
12) CM	1,1-Dichloroet...	0.575	0.581	0.564	0.538	0.544	0.524	0.554	4.08#
13) T	Acrolein		0.095	0.101	0.083	0.102	0.100	0.096	7.99
14) T	Allyl chloride	1.210	1.099	1.083	1.063	0.933	0.896	1.047	11.00
15) T	Acrylonitrile	0.306	0.311	0.306	0.304	0.306	0.293	0.304	1.95
16) T	Acetone	0.265	0.274	0.284	0.260	0.286	0.302	0.278	5.51
17) T	Carbon Disulfide	1.879	1.630	1.599	1.596	1.560	1.466	1.622	8.52
18) T	Methyl Acetate	0.985	0.844	0.842	0.773	0.776	0.758	0.830	10.20
19) T	Methyl tert-bu...	1.953	2.053	2.015	2.028	2.028	1.927	2.001	2.46
20) T	Methylene Chlo...	0.805	0.640	0.614	0.619	0.599	0.569	0.641	13.03
21) T	trans-1,2-Dich...	0.599	0.568	0.586	0.577	0.574	0.533	0.573	3.93
22) T	Diisopropyl ether	1.945	1.966	2.009	1.976	2.008	1.909	1.969	1.94
23) T	Vinyl Acetate	1.930	2.006	2.040	2.046	2.096	1.990	2.018	2.80
24) P	1,1-Dichloroet...	1.035	1.093	1.096	1.093	1.084	1.038	1.073	2.65
25) T	2-Butanone	0.453	0.414	0.430	0.424	0.427	0.418	0.428	3.22
26) T	2,2-Dichloropr...	0.925	0.984	1.032	1.019	1.023	0.997	0.997	3.95
27) T	cis-1,2-Dichlo...	0.721	0.687	0.701	0.691	0.689	0.658	0.691	2.99
28) T	Bromochloromet...	0.465	0.489	0.391	0.420	0.439	0.427	0.439	7.91
29) T	Tetrahydrofuran	0.271	0.280	0.286	0.272	0.279	0.270	0.276	2.24
30) C	Chloroform	1.102	1.122	1.132	1.110	1.137	1.087	1.115	1.71#
31) T	Cyclohexane		1.238	1.110	1.010	0.982	0.933	1.055	11.50
32) T	1,1,1-Trichlor...	1.007	1.081	1.076	1.066	1.075	1.027	1.055	2.89
33) S	1,2-Dichloroet...		0.786	0.710	0.601	0.745	0.717	0.712	9.68
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...		0.346	0.307	0.264	0.332	0.311	0.312	9.99
36) T	1,1-Dichloropr...	0.488	0.463	0.477	0.472	0.475	0.457	0.472	2.33
37) T	Ethyl Acetate	0.665	0.515	0.512	0.502	0.499	0.479	0.529	12.83
38) T	Carbon Tetrach...	0.493	0.539	0.541	0.548	0.546	0.524	0.532	3.93
39) T	Methylcyclohexane	0.572	0.575	0.583	0.587	0.597	0.565	0.580	1.96
40) TM	Benzene	1.343	1.403	1.429	1.431	1.447	1.386	1.406	2.68
41) T	Methacrylonitrile	0.377	0.290	0.277	0.300	0.283	0.276	0.301	12.78
42) TM	1,2-Dichloroet...	0.498	0.524	0.524	0.514	0.520	0.494	0.512	2.63
43) T	Isopropyl Acetate	2.156	1.289	1.075	0.956	0.921	0.869	1.211	40.18
44) TM	Trichloroethene	0.310	0.340	0.341	0.343	0.344	0.331	0.335	3.94
45) C	1,2-Dichloropr...	0.316	0.326	0.341	0.344	0.346	0.331	0.334	3.50#
46) T	Dibromomethane	0.218	0.243	0.240	0.245	0.251	0.238	0.239	4.73
47) T	Bromodichlorom...	0.544	0.541	0.533	0.540	0.539	0.521	0.537	1.55
48) T	Methyl methacr...	0.506	0.423	0.432	0.421	0.425	0.415	0.437	7.88
49) T	1,4-Dioxane	0.008	0.008	0.008	0.008	0.008	0.008	0.008	2.64
50) S	Toluene-d8		1.240	1.133	0.985	1.261	1.201	1.164	9.56
51) T	4-Methyl-2-Pen...	0.457	0.499	0.516	0.516	0.517	0.495	0.500	4.62
52) CM	Toluene	0.824	0.885	0.900	0.905	0.926	0.892	0.889	3.91#
53) T	t-1,3-Dichloro...	0.469	0.546	0.552	0.573	0.597	0.569	0.551	7.99
54) T	cis-1,3-Dichlo...	0.546	0.588	0.595	0.597	0.606	0.586	0.586	3.54
55) T	1,1,2-Trichlor...	0.283	0.314	0.327	0.331	0.334	0.322	0.318	5.95
56) T	Ethyl methacry...	0.553	0.594	0.612	0.617	0.624	0.601	0.600	4.24

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 82N080724W.M

57)	T	1,3-Dichloropr...	0.552	0.545	0.575	0.581	0.592	0.561	0.568	3.17
58)	T	2-Chloroethyl ...	0.243	0.250	0.262	0.242	0.261	0.264	0.254	3.91
59)	T	2-Hexanone	0.367	0.385	0.389	0.395	0.397	0.388	0.387	2.70
60)	T	Dibromochlorom...	0.329	0.383	0.388	0.397	0.413	0.400	0.385	7.68
61)	T	1,2-Dibromoethane	0.317	0.332	0.342	0.336	0.347	0.334	0.335	3.13
62)	S	4-Bromofluorob...	0.483	0.432	0.390	0.492	0.473	0.454		9.36
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.320	0.324	0.343	0.338	0.343	0.319	0.331	3.46
65)	PM	Chlorobenzene	1.069	1.094	1.153	1.101	1.142	1.070	1.105	3.23
66)	T	1,1,1,2-Tetrac...	0.370	0.401	0.403	0.385	0.399	0.380	0.390	3.37
67)	C	Ethyl Benzene	1.957	2.032	2.070	2.061	2.075	1.967	2.027	2.59#
68)	T	m/p-Xylenes	0.706	0.759	0.785	0.771	0.787	0.747	0.759	3.99
69)	T	o-Xylene	0.703	0.750	0.773	0.759	0.773	0.735	0.749	3.60
70)	T	Styrene	1.100	1.261	1.300	1.288	1.336	1.261	1.258	6.51
71)	P	Bromoform	0.267	0.275	0.292	0.309	0.318	0.310	0.295	7.01
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	4.254	4.249	4.386	4.133	4.249	3.822	4.182	4.63
74)	T	N-amyl acetate	2.341	2.051	2.108	1.945	2.003	1.826	2.046	8.50
75)	P	1,1,2,2-Tetrac...	1.234	1.237	1.210	1.163	1.167	1.085	1.183	4.85
76)	T	1,2,3-Trichlor...	1.233	1.083	1.128	1.094	1.063	0.984	1.097	7.47
77)	T	Bromobenzene	0.900	0.975	0.946	0.927	0.959	0.868	0.929	4.27
78)	T	n-propylbenzene	4.800	4.849	4.998	4.753	4.968	4.526	4.816	3.55
79)	T	2-Chlorotoluene	3.146	3.083	3.184	3.027	3.076	2.802	3.053	4.42
80)	T	1,3,5-Trimethy...	3.479	3.563	3.641	3.490	3.589	3.245	3.501	3.98
81)	T	trans-1,4-Dich...	0.530	0.468	0.524	0.493	0.508	0.504		4.97
82)	T	4-Chlorotoluene	3.261	3.081	3.116	3.014	3.104	2.799	3.062	4.99
83)	T	tert-Butylbenzene	3.103	3.199	3.192	3.098	3.162	2.850	3.101	4.19
84)	T	1,2,4-Trimethy...	3.416	3.592	3.679	3.526	3.654	3.305	3.529	4.10
85)	T	sec-Butylbenzene	4.235	4.265	4.325	4.202	4.384	3.976	4.231	3.33
86)	T	p-Isopropyltol...	3.355	3.569	3.510	3.491	3.682	3.354	3.493	3.62
87)	T	1,3-Dichlorobe...	1.870	1.708	1.757	1.739	1.771	1.643	1.748	4.29
88)	T	1,4-Dichlorobe...	1.862	1.795	1.751	1.728	1.783	1.655	1.762	3.96
89)	T	n-Butylbenzene	2.851	3.017	3.045	3.023	3.216	3.011	3.027	3.84
90)	T	Hexachloroethane	0.620	0.696	0.708	0.686	0.689	0.650	0.675	4.92
91)	T	1,2-Dichlorobe...	1.741	1.731	1.739	1.664	1.704	1.571	1.692	3.90
92)	T	1,2-Dibromo-3-...	0.310	0.307	0.289	0.277	0.281	0.258	0.287	6.84
93)	T	1,2,4-Trichlor...	1.014	0.893	0.938	0.943	0.984	0.914	0.948	4.72
94)	T	Hexachlorobuta...	0.480	0.445	0.429	0.397	0.409	0.368	0.421	9.32
95)	T	Naphthalene	3.429	3.230	3.435	3.365	3.481	3.202	3.357	3.44
96)	T	1,2,3-Trichlor...	0.972	0.920	0.974	0.920	0.963	0.877	0.938	4.09

(#) = Out of Range

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080724\
 Data File : VN083135.D
 Acq On : 07 Aug 2024 10:33
 Operator : JC\MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Quant Time: Aug 08 06:14:38 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 08 05:50:26 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 08/08/2024
 Supervised By :Mahesh Dadoda 08/09/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	217317	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	373033	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	329850	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	162834	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	311531	100.713	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 201.420%#			
35) Dibromofluoromethane	8.165	113	231805	99.556	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 199.120%#			
50) Toluene-d8	10.565	98	896022	103.163	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 206.320%#			
62) 4-Bromofluorobenzene	12.847	95	352947	104.234	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 208.460%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	238119	96.624	ug/l	99
3) Chloromethane	2.359	50	237633	94.185	ug/l	98
4) Vinyl Chloride	2.512	62	244329	94.904	ug/l	100
5) Bromomethane	2.924	94	135920	85.085	ug/l	96
6) Chloroethane	3.100	64	147611	91.645	ug/l	99
7) Trichlorofluoromethane	3.489	101	414913	97.558	ug/l	96
8) Diethyl Ether	3.959	74	151291	95.597	ug/l	83
9) 1,1,2-Trichlorotrifluo...	4.365	101	227550	97.044	ug/l	98
10) Methyl Iodide	4.583	142	307476	99.686	ug/l	97
11) Tert butyl alcohol	5.524	59	296420	461.112	ug/l	98
12) 1,1-Dichloroethene	4.336	96	227537	94.453	ug/l	90
13) Acrolein	4.177	56	218130	520.640	ug/l	98
14) Allyl chloride	5.018	41	389580	85.577	ug/l	93
15) Acrylonitrile	5.718	53	636894	481.734	ug/l	99
16) Acetone	4.424	43	656348	542.264	ug/l	95
17) Carbon Disulfide	4.712	76	637255	90.406	ug/l	99
18) Methyl Acetate	5.024	43	329457	91.357	ug/l	92
19) Methyl tert-butyl Ether	5.794	73	837562	96.324	ug/l	99
20) Methylene Chloride	5.277	84	247283	88.771	ug/l	88
21) trans-1,2-Dichloroethene	5.783	96	231530	92.991	ug/l	95
22) Diisopropyl ether	6.671	45	829706	96.959	ug/l	96
23) Vinyl Acetate	6.600	43	4324915	493.177	ug/l	95
24) 1,1-Dichloroethane	6.571	63	451253	96.746	ug/l	99
25) 2-Butanone	7.482	43	908992	489.098	ug/l	91
26) 2,2-Dichloropropane	7.488	77	433489	100.075	ug/l	98
27) cis-1,2-Dichloroethene	7.488	96	286100	95.225	ug/l	93
28) Bromochloromethane	7.812	49	185533	97.333	ug/l	85
29) Tetrahydrofuran	7.841	42	587324	488.865	ug/l	88
30) Chloroform	7.965	83	472257	97.456	ug/l	99
31) Cyclohexane	8.259	56	405666	88.496	ug/l	98
32) 1,1,1-Trichloroethane	8.171	97	446446	97.332	ug/l	95
36) 1,1-Dichloropropene	8.371	75	340980	96.808	ug/l	98
37) Ethyl Acetate	7.559	43	357308	90.602	ug/l #	93
38) Carbon Tetrachloride	8.359	117	391148	98.597	ug/l	96
39) Methylcyclohexane	9.600	83	421743	97.486	ug/l	97
40) Benzene	8.606	78	1034059	98.550	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080724\
Data File : VN083135.D
Acq On : 07 Aug 2024 10:33
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Quant Time: Aug 08 06:14:38 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 08 05:50:26 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	205844	91.799	ug/l	95
42) 1,2-Dichloroethane	8.671	62	368412	96.385	ug/l	97
43) Isopropyl Acetate	8.688	43	648582	99.962	ug/l #	93
44) Trichloroethene	9.353	130	246689	98.774	ug/l	93
45) 1,2-Dichloropropane	9.624	63	247262	99.275	ug/l	98
46) Dibromomethane	9.712	93	177294	99.449	ug/l	98
47) Bromodichloromethane	9.888	83	389020	97.184	ug/l	100
48) Methyl methacrylate	9.682	41	309367	94.886	ug/l	91
49) 1,4-Dioxane	9.694	88	117342	1994.879	ug/l	94
51) 4-Methyl-2-Pentanone	10.447	43	1846346	495.091	ug/l	92
52) Toluene	10.629	92	665274	100.347	ug/l	97
53) t-1,3-Dichloropropene	10.835	75	424825	103.317	ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	436928	99.903	ug/l	90
55) 1,1,2-Trichloroethane	11.018	97	240237	101.114	ug/l	96
56) Ethyl methacrylate	10.876	69	448632	100.164	ug/l #	84
57) 1,3-Dichloropropane	11.165	76	418505	98.824	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	984478	519.987	ug/l	96
59) 2-Hexanone	11.194	43	1447307	501.642	ug/l	92
60) Dibromochloromethane	11.359	129	298498	103.914	ug/l	98
61) 1,2-Dibromoethane	11.470	107	249072	99.794	ug/l	96
64) Tetrachloroethene	11.106	164	210334	96.284	ug/l	96
65) Chlorobenzene	11.894	112	705635	96.805	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.959	131	250772	97.546	ug/l	99
67) Ethyl Benzene	11.965	91	1297632	97.041	ug/l	99
68) m/p-Xylenes	12.070	106	984984	196.641	ug/l	99
69) o-Xylene	12.400	106	484673	98.107	ug/l	97
70) Styrene	12.412	104	831903	100.261	ug/l	99
71) Bromoform	12.576	173	204380	104.942	ug/l #	99
73) Isopropylbenzene	12.694	105	1244845	91.399	ug/l	100
74) N-amyl acetate	12.494	43	594797	89.282	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.941	83	353346	91.727	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	320302m	89.478	ug/l	
77) Bromobenzene	12.982	156	282676	93.431	ug/l	96
78) n-propylbenzene	13.035	91	1473868	93.979	ug/l	99
79) 2-Chlorotoluene	13.123	91	912618	91.785	ug/l	98
80) 1,3,5-Trimethylbenzene	13.170	105	1056912	92.690	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	165326	100.628	ug/l	89
82) 4-Chlorotoluene	13.223	91	911384	91.381	ug/l	98
83) tert-Butylbenzene	13.441	119	928195	91.918	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	1076449	93.675	ug/l	99
85) sec-Butylbenzene	13.617	105	1294900	93.978	ug/l	100
86) p-Isopropyltoluene	13.729	119	1092439	96.022	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	535193	94.009	ug/l	99
88) 1,4-Dichlorobenzene	13.811	146	538924	93.900	ug/l	99
89) n-Butylbenzene	14.059	91	980482	99.461	ug/l	98
90) Hexachloroethane	14.335	117	211710	96.320	ug/l	95
91) 1,2-Dichlorobenzene	14.106	146	511584	92.863	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	83930	89.788	ug/l	98
93) 1,2,4-Trichlorobenzene	15.394	180	297699	96.456	ug/l	99
94) Hexachlorobutadiene	15.500	225	119783	87.268	ug/l	98
95) Naphthalene	15.641	128	1042864	95.391	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	285769	93.575	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080724\
Data File : VN083135.D
Acq On : 07 Aug 2024 10:33
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024

Quant Time: Aug 08 06:14:38 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 08 05:50:26 2024
Response via : Initial Calibration

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

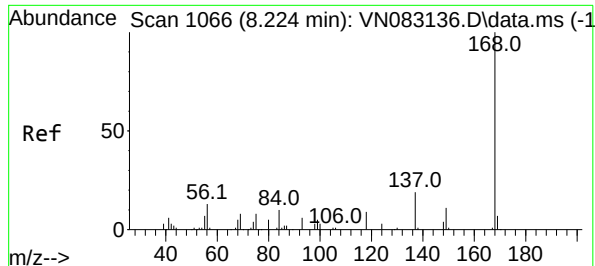
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations

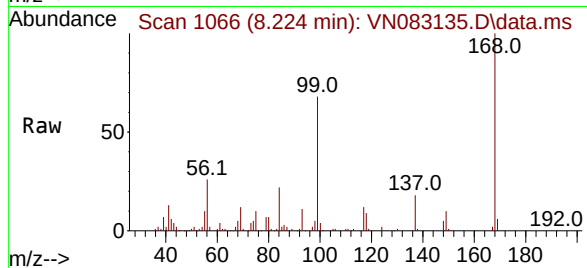
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083135.D
Acq: 07 Aug 2024 10:33

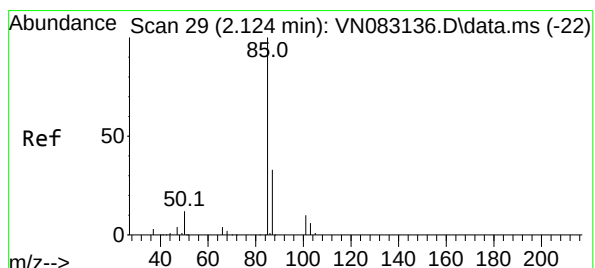
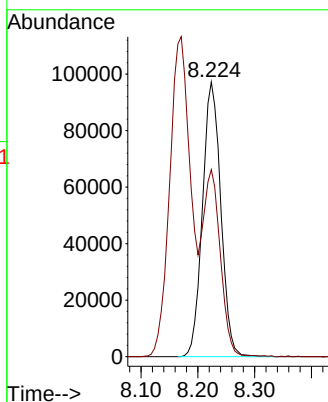
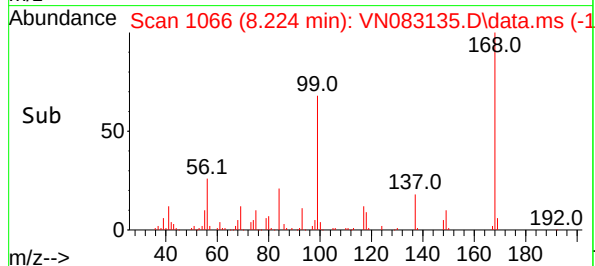
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



Tgt Ion:168 Resp: 21731
Ion Ratio Lower Upper
168 100
99 68.1 48.2 72.4

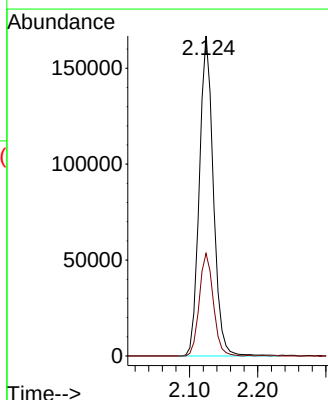
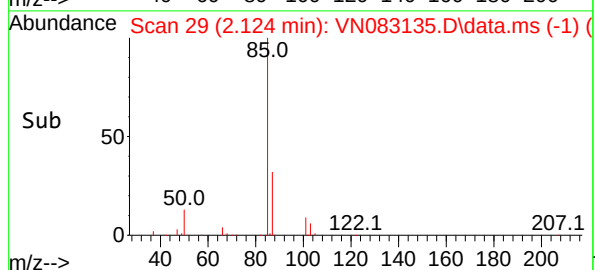
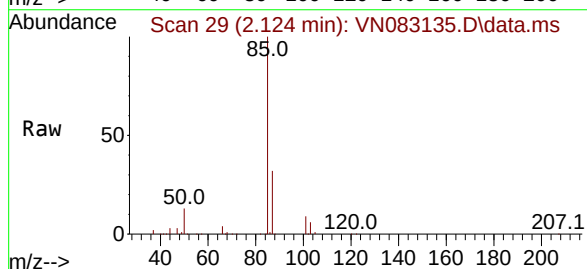
Manual Integrations
APPROVED

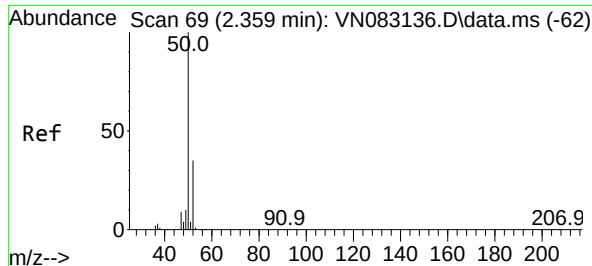
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#2
Dichlorodifluoromethane
Concen: 96.624 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN083135.D
Acq: 07 Aug 2024 10:33

Tgt Ion: 85 Resp: 238119
Ion Ratio Lower Upper
85 100
87 32.1 15.7 47.0





#3

Chloromethane

Concen: 94.185 ug/l

RT: 2.359 min Scan# 69

Delta R.T. -0.000 min

Lab File: VN083135.D

Acq: 07 Aug 2024 10:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion: 50 Resp: 23763

Ion Ratio Lower Upper

50 100

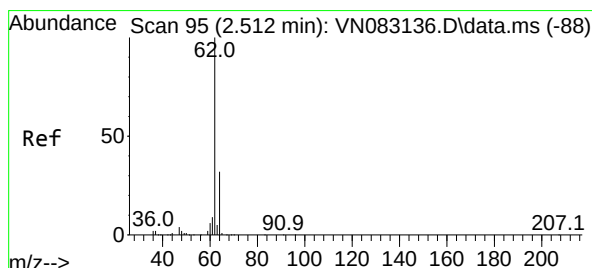
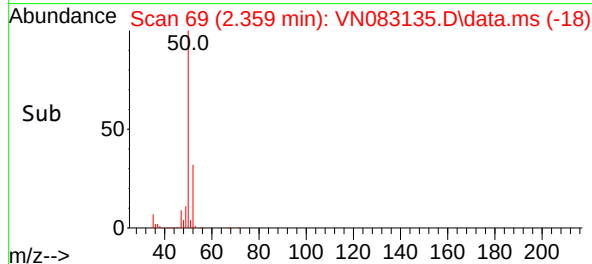
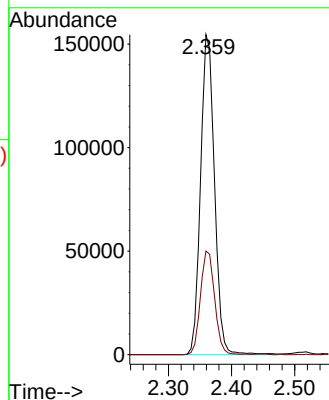
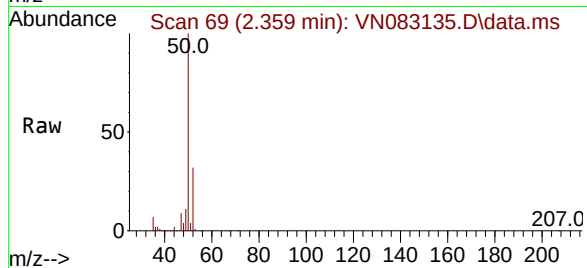
52 32.4 25.0 37.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#4

Vinyl Chloride

Concen: 94.904 ug/l

RT: 2.512 min Scan# 95

Delta R.T. -0.000 min

Lab File: VN083135.D

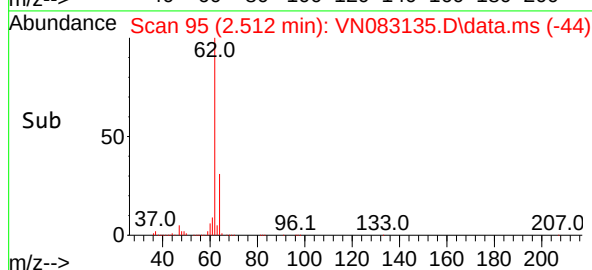
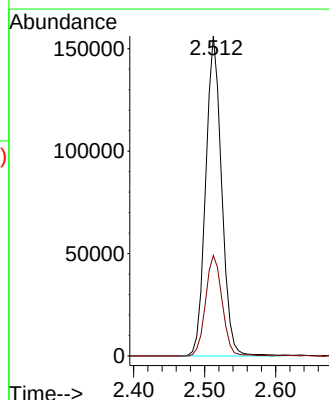
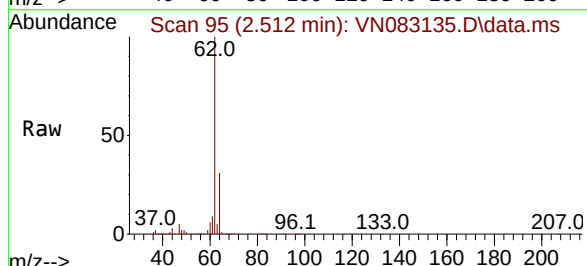
Acq: 07 Aug 2024 10:33

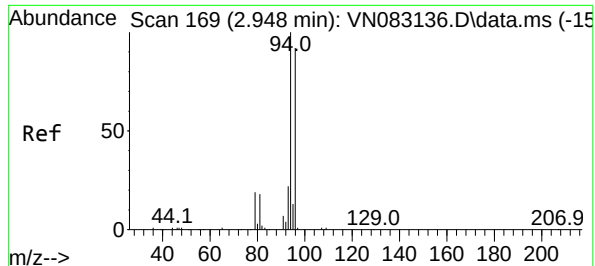
Tgt Ion: 62 Resp: 244329

Ion Ratio Lower Upper

62 100

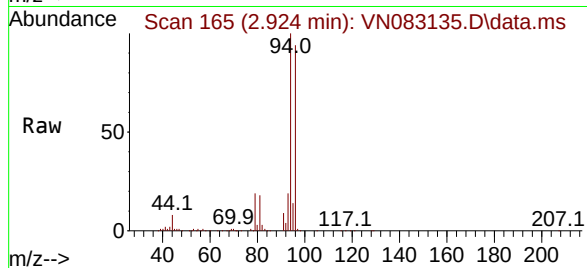
64 31.4 25.0 37.6





#5
Bromomethane
Concen: 85.085 ug/l
RT: 2.924 min Scan# 10
Delta R.T. -0.024 min
Lab File: VN083135.D
Acq: 07 Aug 2024 10:33

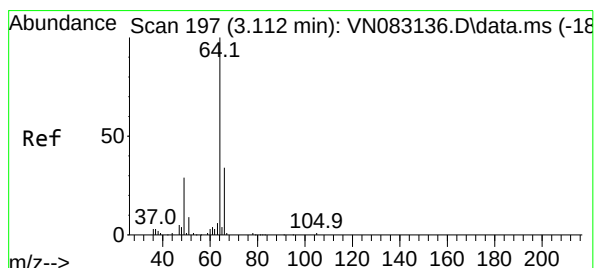
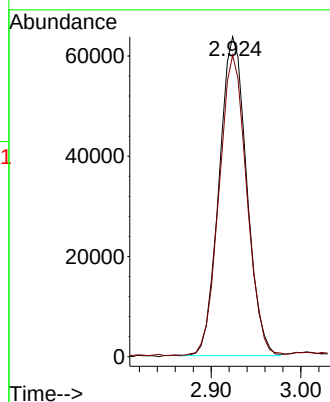
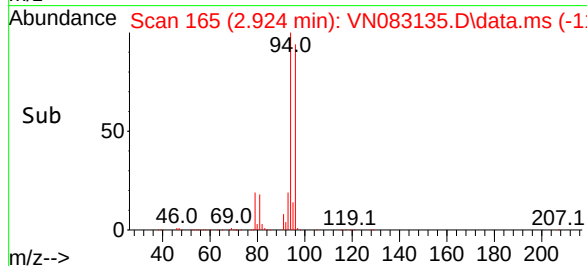
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



Tgt Ion: 94 Resp: 135920
Ion Ratio Lower Upper
94 100
96 94.0 78.0 117.0

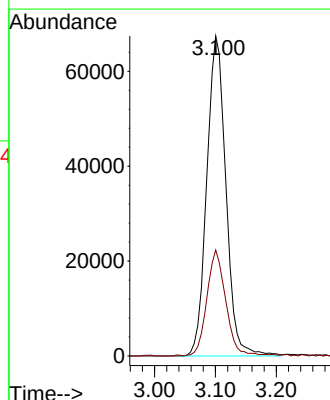
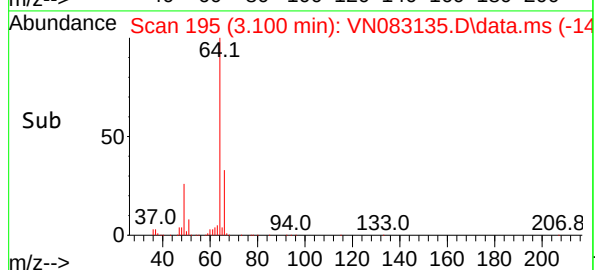
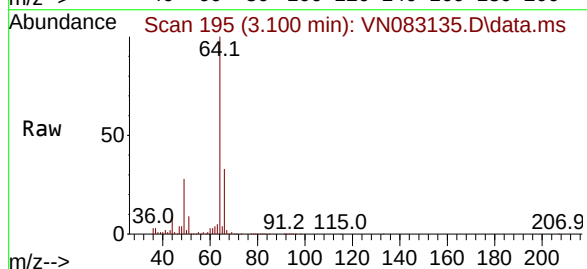
Manual Integrations
APPROVED

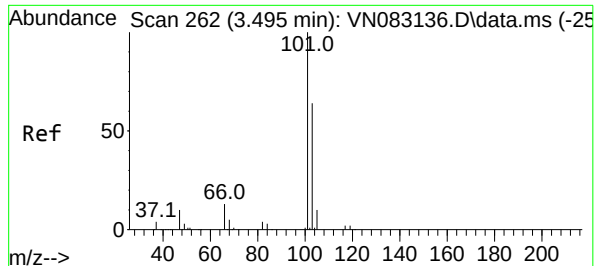
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#6
Chloroethane
Concen: 91.645 ug/l
RT: 3.100 min Scan# 195
Delta R.T. -0.012 min
Lab File: VN083135.D
Acq: 07 Aug 2024 10:33

Tgt Ion: 64 Resp: 147611
Ion Ratio Lower Upper
64 100
66 32.9 26.6 40.0





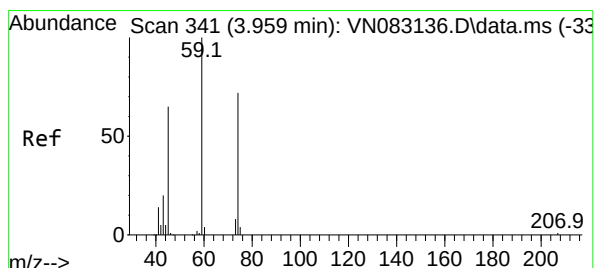
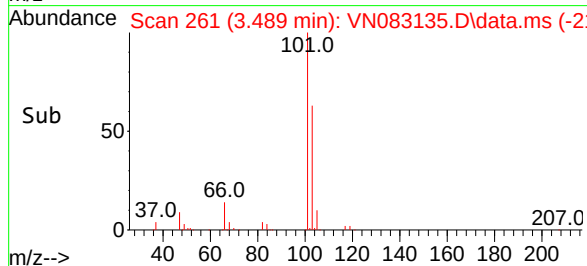
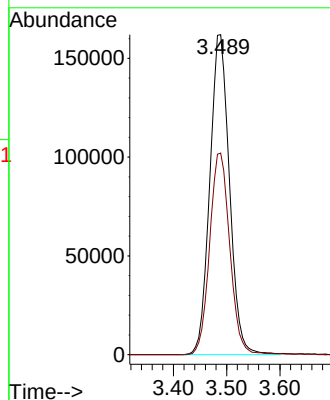
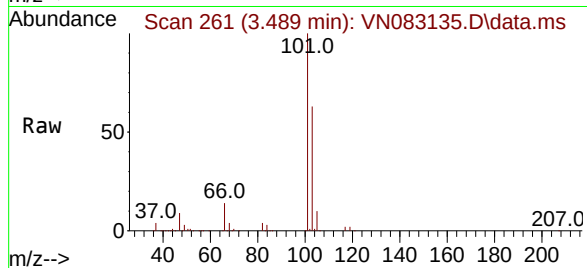
#7
Trichlorofluoromethane
Concen: 97.558 ug/l
RT: 3.489 min Scan# 262
Delta R.T. -0.006 min
Lab File: VN083135.D
Acq: 07 Aug 2024 10:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 41491
Ion Ratio Lower Upper
101 100
103 63.0 52.7 79.1

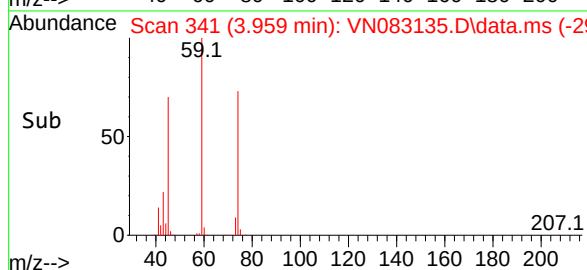
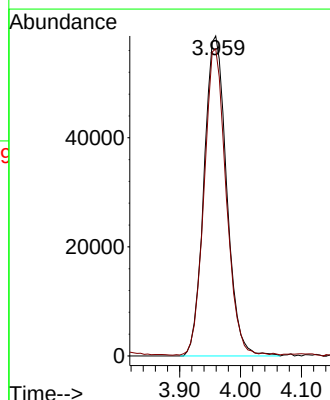
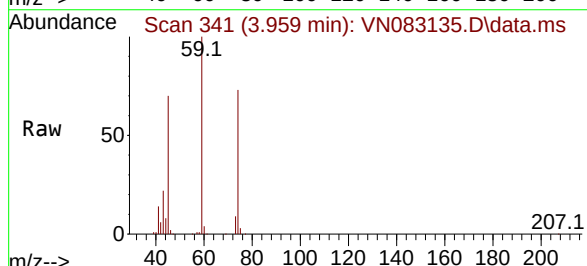
Manual Integrations
APPROVED

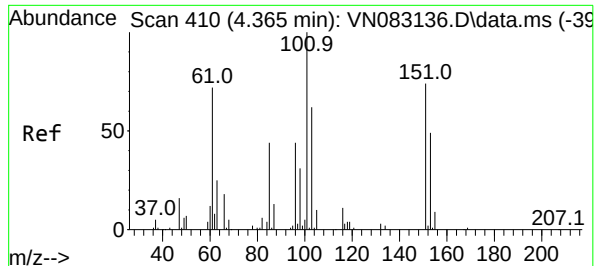
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#8
Diethyl Ether
Concen: 95.597 ug/l
RT: 3.959 min Scan# 341
Delta R.T. -0.000 min
Lab File: VN083135.D
Acq: 07 Aug 2024 10:33

Tgt Ion: 74 Resp: 151291
Ion Ratio Lower Upper
74 100
45 93.4 55.5 166.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 97.044 ug/l

RT: 4.365 min Scan# 410

Delta R.T. -0.000 min

Lab File: VN083135.D

Acq: 07 Aug 2024 10:33

Instrument :

MSVOA_N

ClientSampleId :

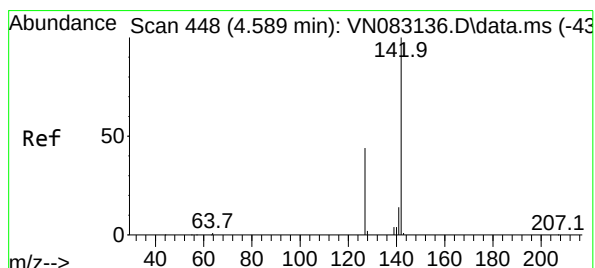
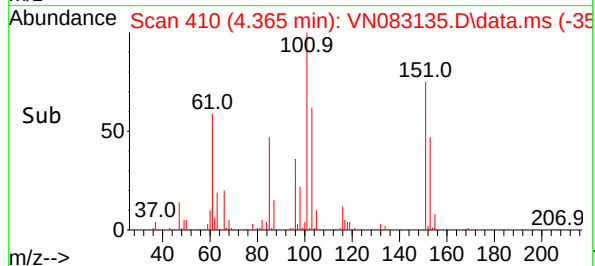
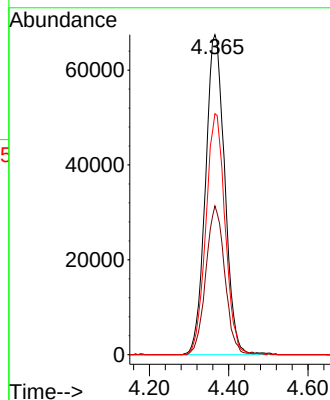
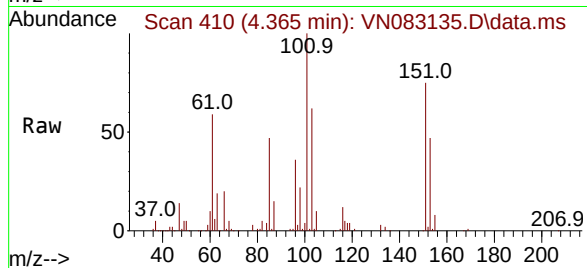
VSTDICC100

Tgt Ion:	101	Resp:	227550
Ion	Ratio	Lower	Upper
101	100		
85	45.6	38.3	57.5
151	75.2	59.3	88.9

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#10

Methyl Iodide

Concen: 99.686 ug/l

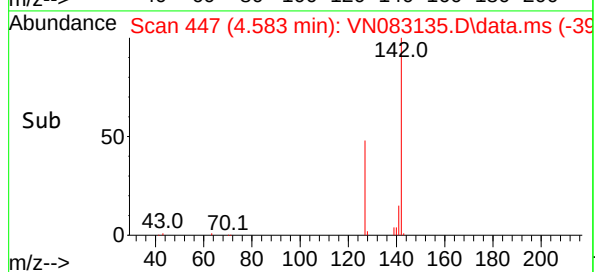
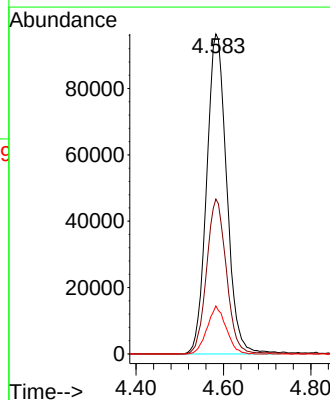
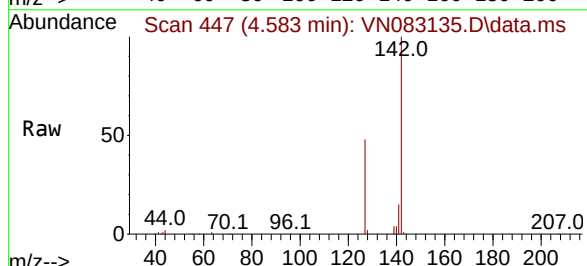
RT: 4.583 min Scan# 447

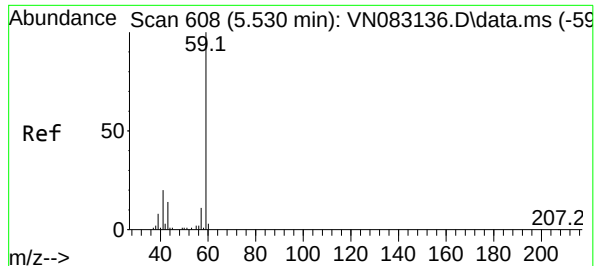
Delta R.T. -0.006 min

Lab File: VN083135.D

Acq: 07 Aug 2024 10:33

Tgt Ion:	142	Resp:	307476
Ion	Ratio	Lower	Upper
142	100		
127	48.4	37.5	56.3
141	15.0	13.1	19.7





#11

Tert butyl alcohol

Concen: 461.112 ug/l

RT: 5.524 min Scan# 608

Delta R.T. -0.006 min

Lab File: VN083135.D

Acq: 07 Aug 2024 10:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion: 59 Resp: 296420

Ion Ratio Lower Upper

59 100

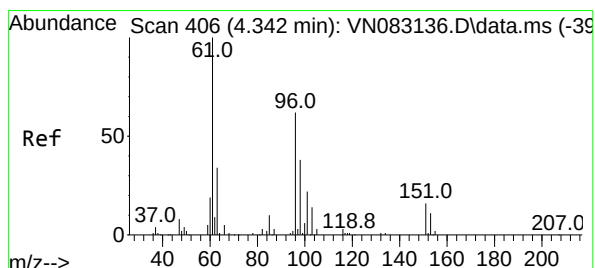
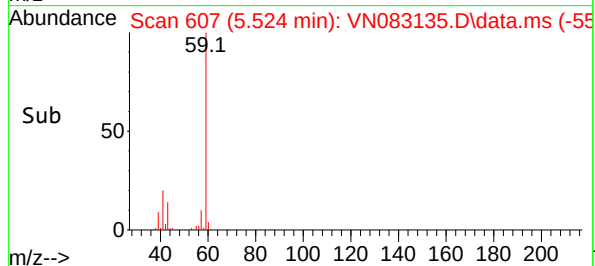
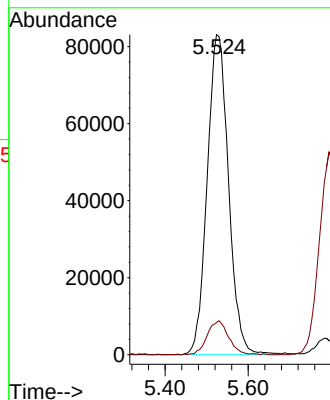
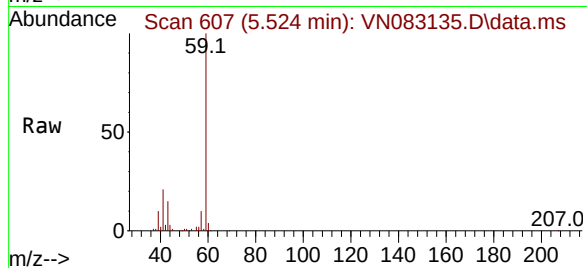
57 10.5 8.9 13.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#12

1,1-Dichloroethene

Concen: 94.453 ug/l

RT: 4.336 min Scan# 405

Delta R.T. -0.006 min

Lab File: VN083135.D

Acq: 07 Aug 2024 10:33

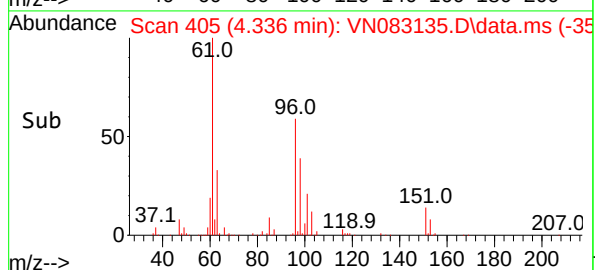
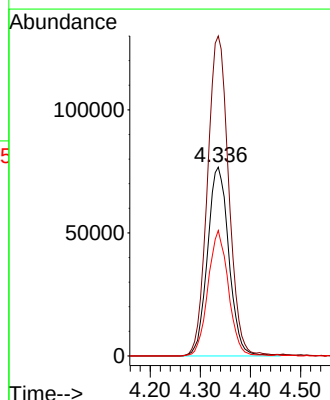
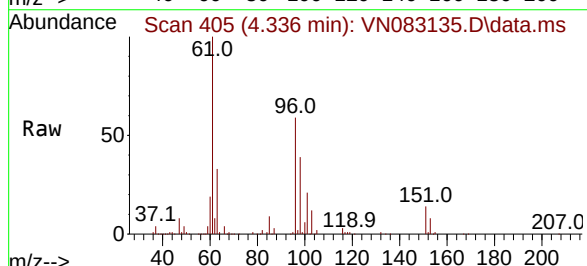
Tgt Ion: 96 Resp: 227537

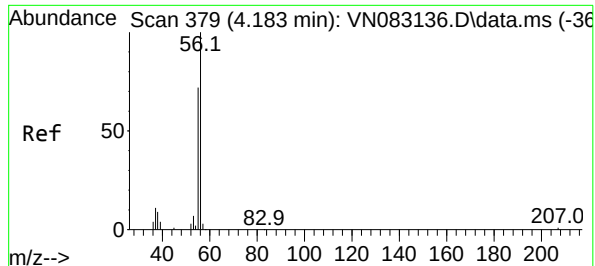
Ion Ratio Lower Upper

96 100

61 169.4 149.7 224.5

98 66.5 50.1 75.1





#13

Acrolein

Concen: 520.640 ug/l

RT: 4.177 min Scan# 31

Delta R.T. -0.006 min

Lab File: VN083135.D

Acq: 07 Aug 2024 10:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion: 56 Resp: 218130

Ion Ratio Lower Upper

56 100

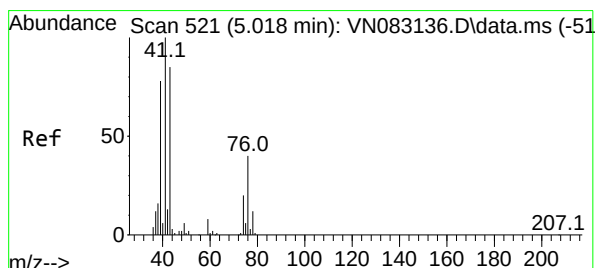
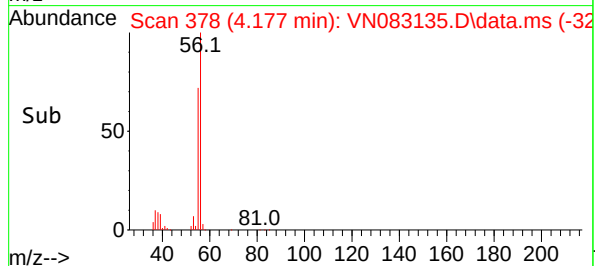
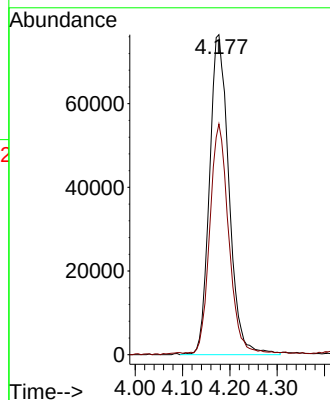
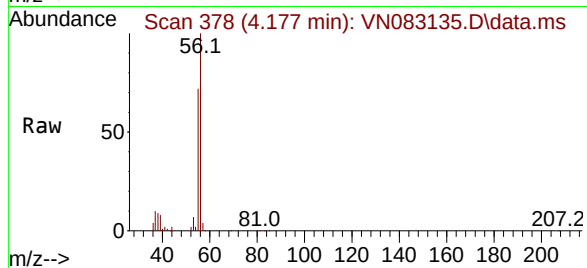
55 68.5 56.4 84.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#14

Allyl chloride

Concen: 85.577 ug/l

RT: 5.018 min Scan# 521

Delta R.T. -0.000 min

Lab File: VN083135.D

Acq: 07 Aug 2024 10:33

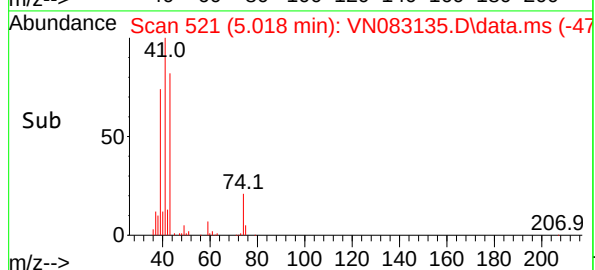
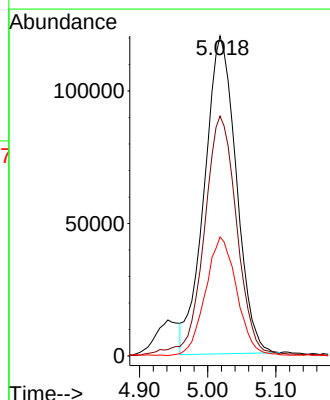
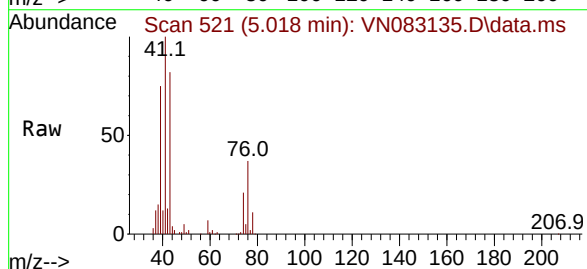
Tgt Ion: 41 Resp: 389580

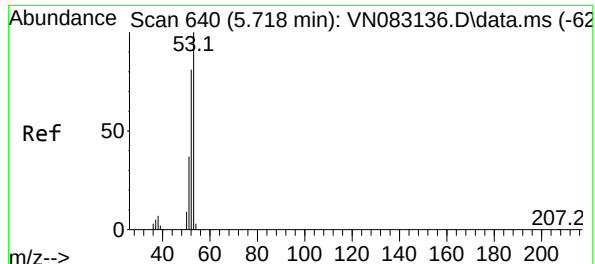
Ion Ratio Lower Upper

41 100

39 78.4 67.8 101.6

76 36.6 25.8 38.8





#15

Acrylonitrile

Concen: 481.734 ug/l

RT: 5.718 min Scan# 64

Delta R.T. -0.000 min

Lab File: VN083135.D

Acq: 07 Aug 2024 10:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion: 53 Resp: 636894

Ion Ratio Lower Upper

53 100

52 82.5 66.6 100.0

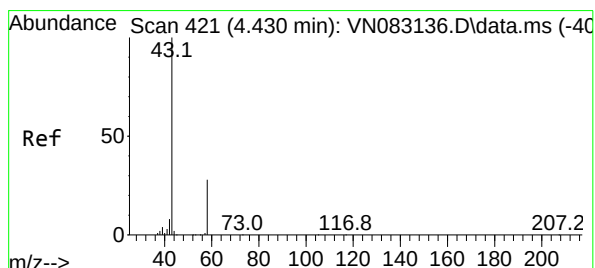
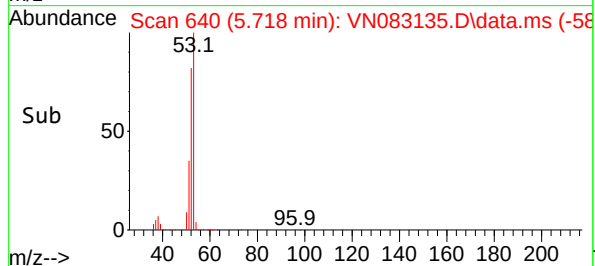
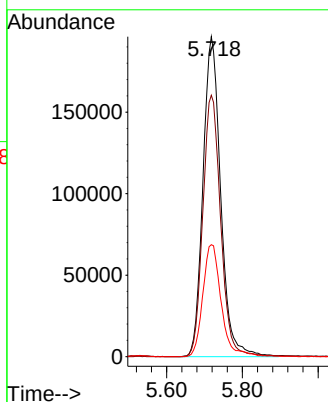
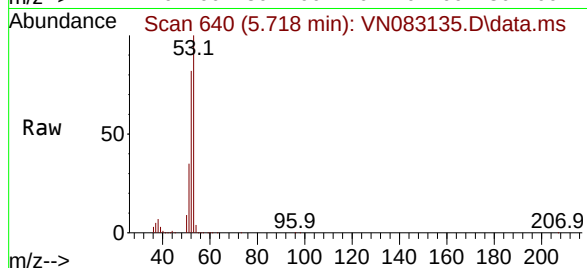
51 36.4 30.1 45.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#16

Acetone

Concen: 542.264 ug/l

RT: 4.424 min Scan# 420

Delta R.T. -0.006 min

Lab File: VN083135.D

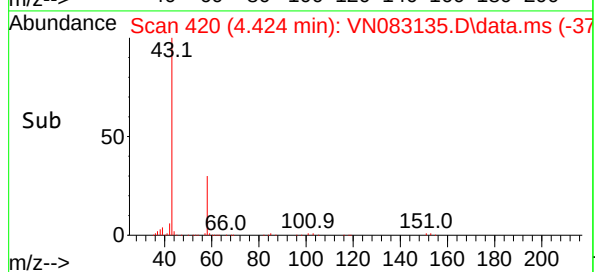
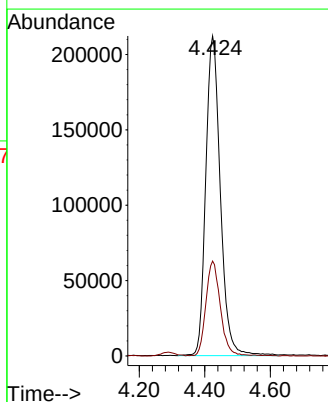
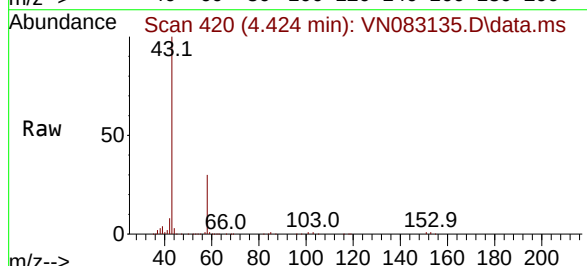
Acq: 07 Aug 2024 10:33

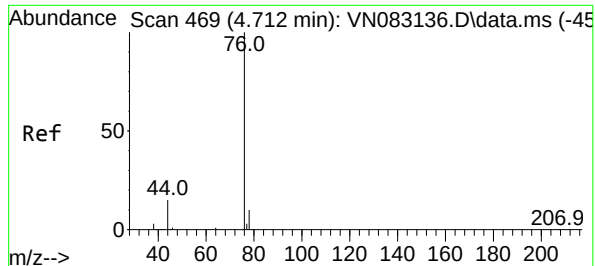
Tgt Ion: 43 Resp: 656348

Ion Ratio Lower Upper

43 100

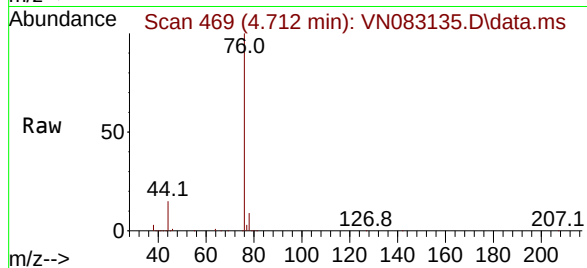
58 29.7 21.8 32.6





#17
Carbon Disulfide
Concen: 90.406 ug/l
RT: 4.712 min Scan# 469
Delta R.T. -0.000 min
Lab File: VN083135.D
Acq: 07 Aug 2024 10:33

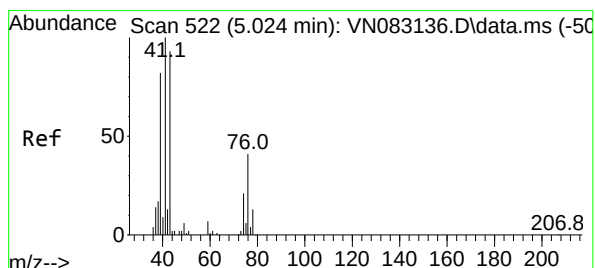
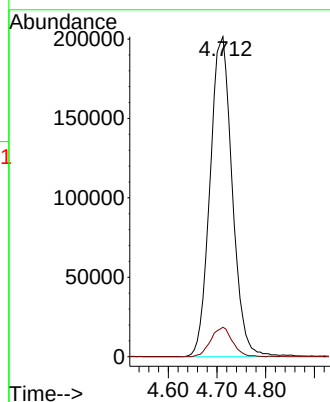
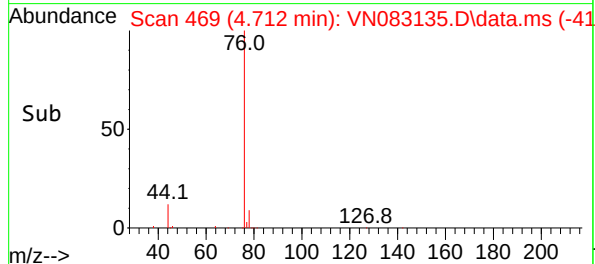
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



Tgt Ion: 76 Resp: 63725
Ion Ratio Lower Upper
76 100
78 9.2 7.2 10.8

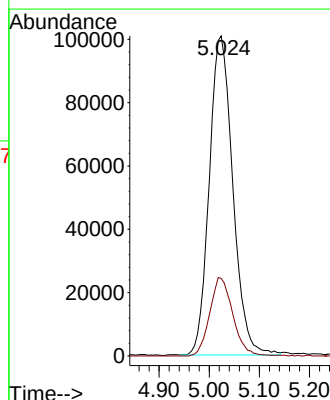
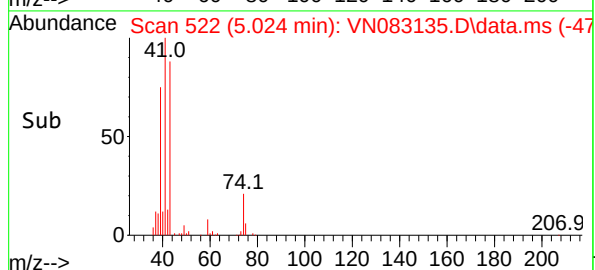
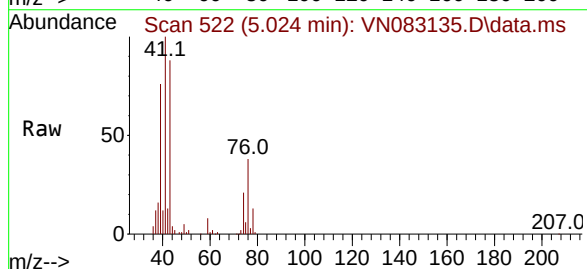
Manual Integrations
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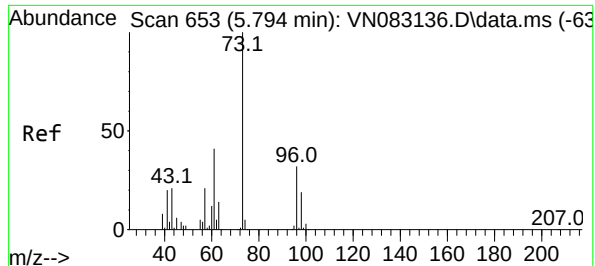
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#18
Methyl Acetate
Concen: 91.357 ug/l
RT: 5.024 min Scan# 522
Delta R.T. -0.000 min
Lab File: VN083135.D
Acq: 07 Aug 2024 10:33

Tgt Ion: 43 Resp: 329457
Ion Ratio Lower Upper
43 100
74 24.0 16.3 24.5





#19

Methyl tert-butyl Ether

Concen: 96.324 ug/l

RT: 5.794 min Scan# 61

Delta R.T. -0.000 min

Lab File: VN083135.D

Acq: 07 Aug 2024 10:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion: 73 Resp: 837562

Ion Ratio Lower Upper

73 100

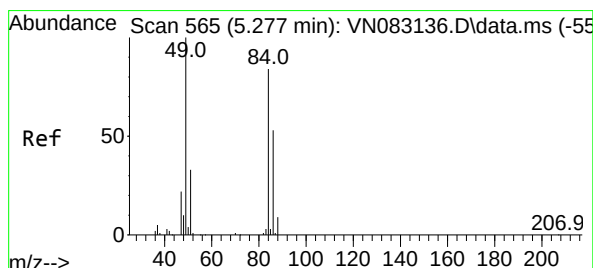
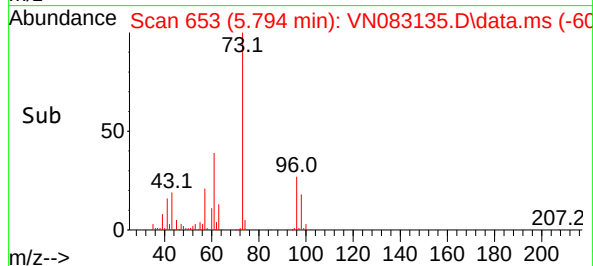
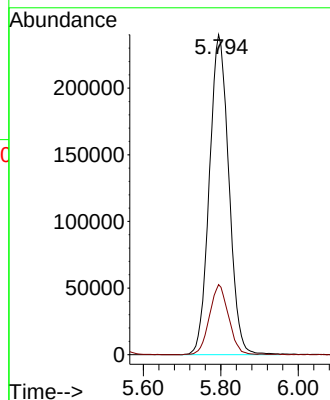
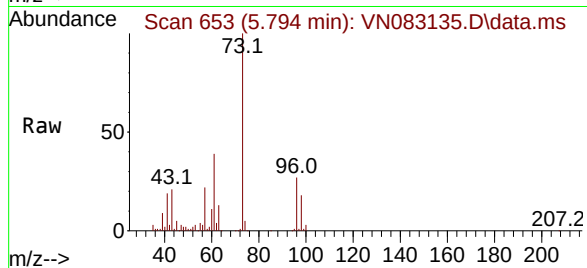
57 21.9 17.9 26.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#20

Methylene Chloride

Concen: 88.771 ug/l

RT: 5.277 min Scan# 565

Delta R.T. -0.000 min

Lab File: VN083135.D

Acq: 07 Aug 2024 10:33

Tgt Ion: 84 Resp: 247283

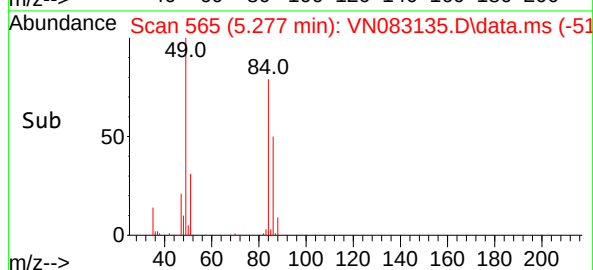
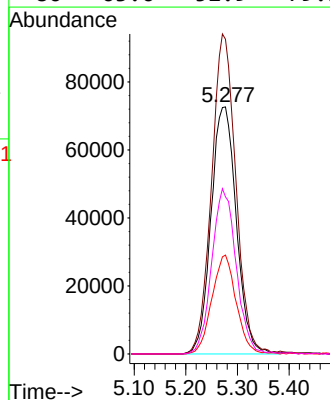
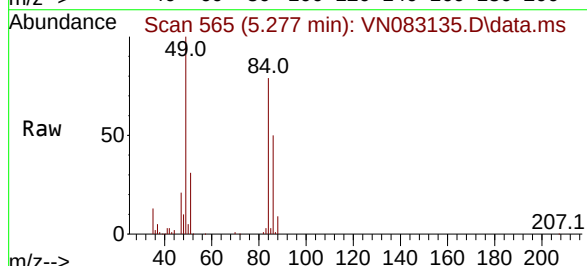
Ion Ratio Lower Upper

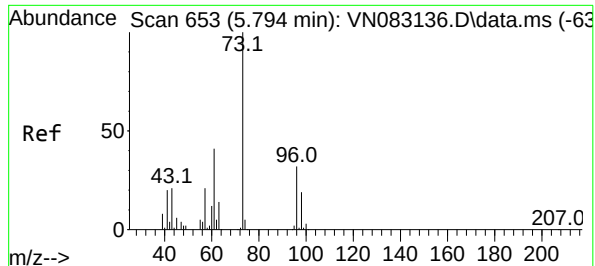
84 100

49 127.4 119.6 179.4

51 40.0 34.8 52.2

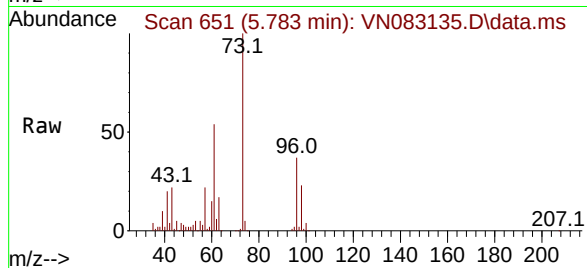
86 63.6 52.9 79.3





#21
trans-1,2-Dichloroethene
Concen: 92.991 ug/l
RT: 5.783 min Scan# 651
Delta R.T. -0.012 min
Lab File: VN083135.D
Acq: 07 Aug 2024 10:33

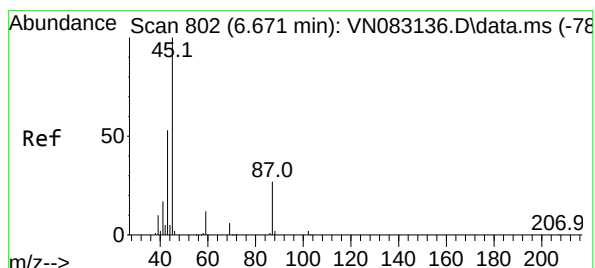
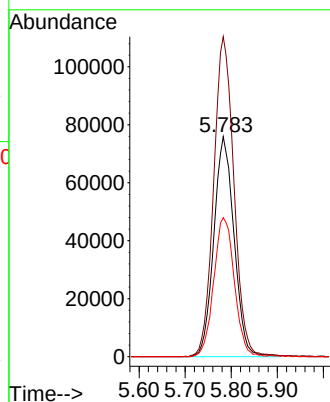
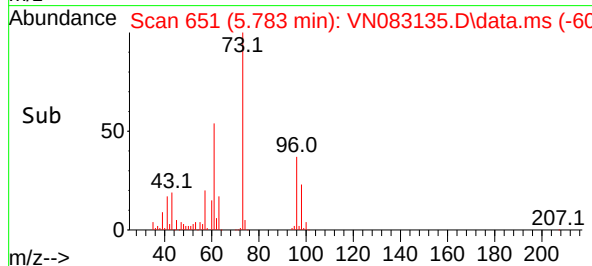
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



Tgt Ion: 96 Resp: 231530
Ion Ratio Lower Upper
96 100
61 145.4 123.4 185.2
98 63.2 49.3 73.9

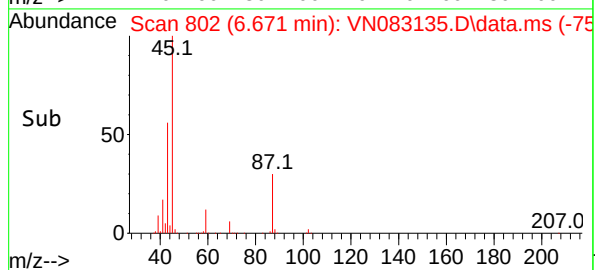
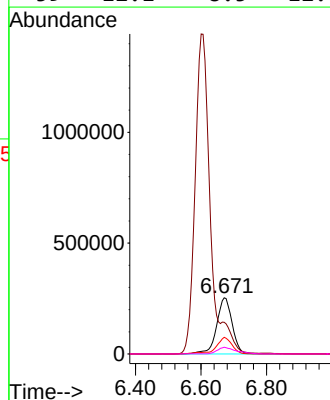
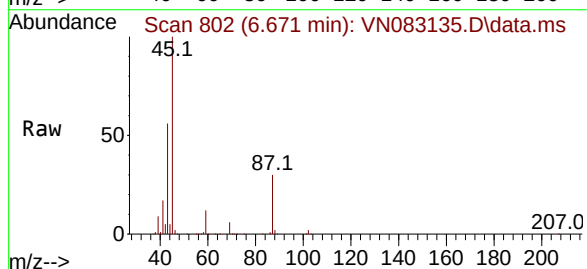
Manual Integrations
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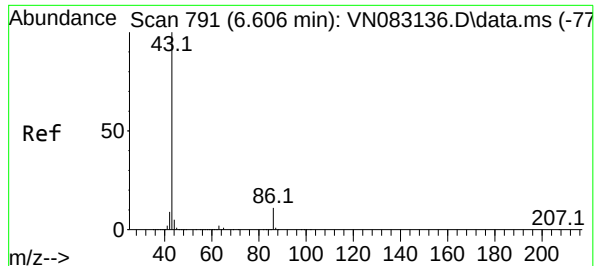
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#22
Diisopropyl ether
Concen: 96.959 ug/l
RT: 6.671 min Scan# 802
Delta R.T. -0.000 min
Lab File: VN083135.D
Acq: 07 Aug 2024 10:33

Tgt Ion: 45 Resp: 829706
Ion Ratio Lower Upper
45 100
43 55.8 44.0 66.0
87 29.5 19.7 29.5
59 12.1 8.5 12.7





#23

Vinyl Acetate

Concen: 493.177 ug/l

RT: 6.600 min Scan# 791

Delta R.T. -0.006 min

Lab File: VN083135.D

Acq: 07 Aug 2024 10:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion: 43 Resp: 432491

Ion Ratio Lower Upper

43

100

86

10.9

7.3

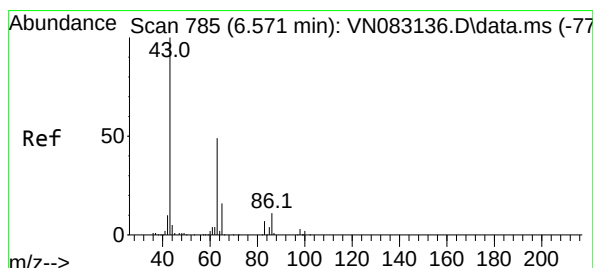
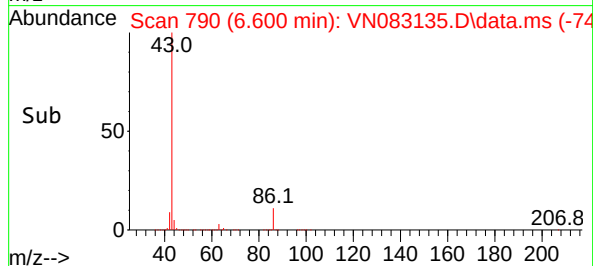
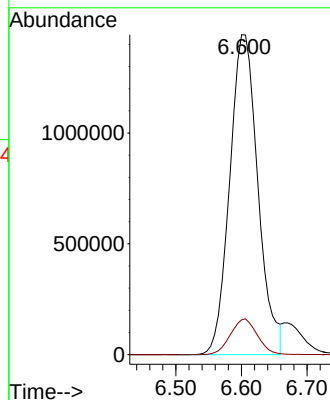
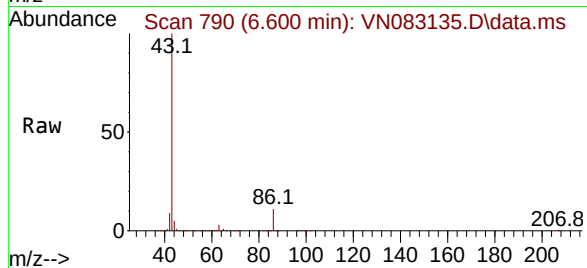
10.9

Manual Integrations

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Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#24

1,1-Dichloroethane

Concen: 96.746 ug/l

RT: 6.571 min Scan# 785

Delta R.T. -0.000 min

Lab File: VN083135.D

Acq: 07 Aug 2024 10:33

Tgt Ion: 63 Resp: 451253

Ion Ratio Lower Upper

63

100

98

6.8

3.3

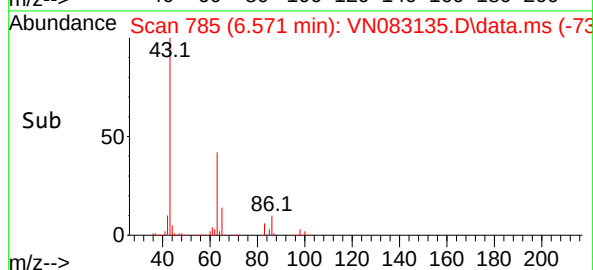
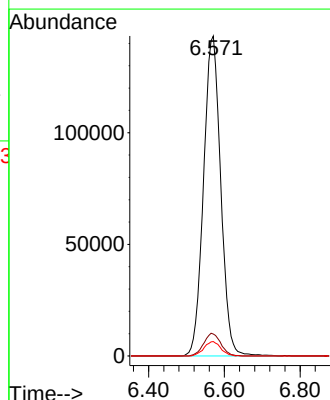
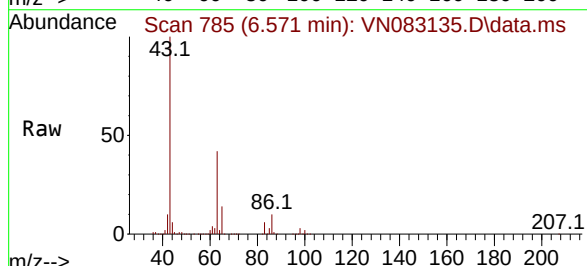
9.9

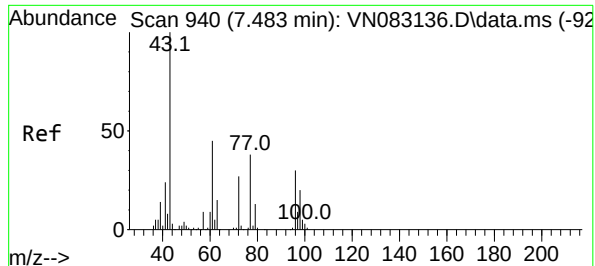
100

4.5

2.0

6.0





#25

2-Butanone

Concen: 489.098 ug/l

RT: 7.482 min Scan# 940

Delta R.T. -0.000 min

Lab File: VN083135.D

Acq: 07 Aug 2024 10:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion: 43 Resp: 908992

Ion Ratio Lower Upper

43 100

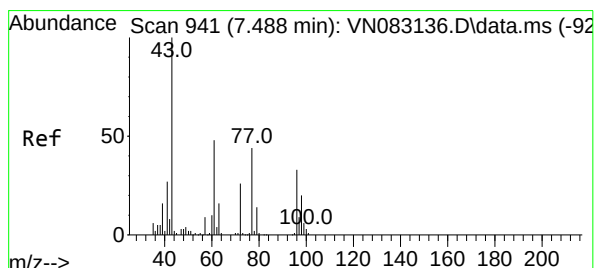
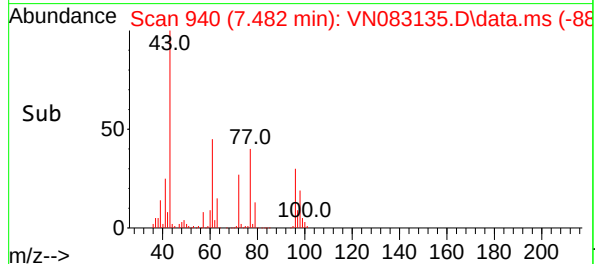
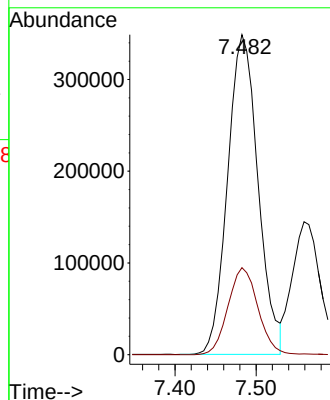
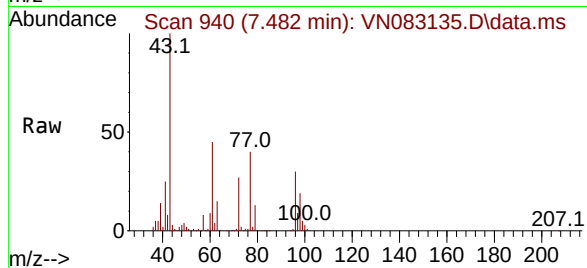
72 27.2 18.2 27.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#26

2,2-Dichloropropane

Concen: 100.075 ug/l

RT: 7.488 min Scan# 941

Delta R.T. -0.000 min

Lab File: VN083135.D

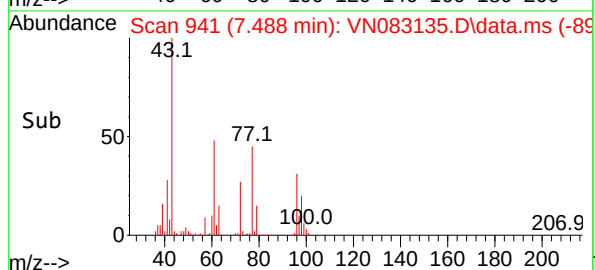
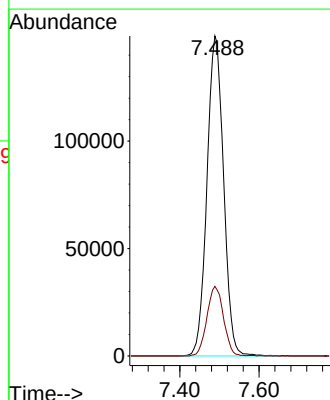
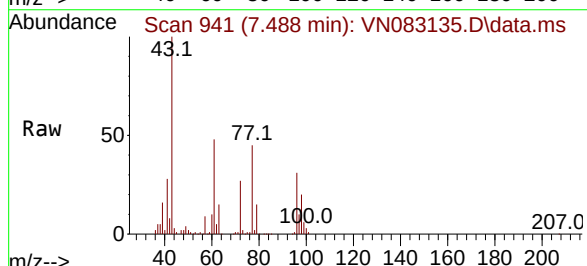
Acq: 07 Aug 2024 10:33

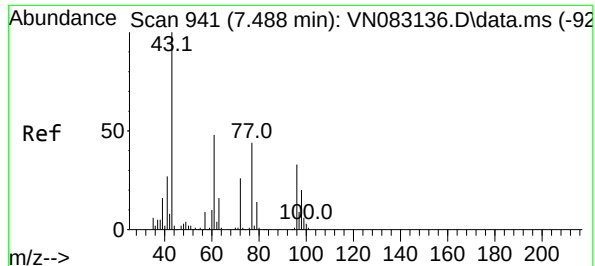
Tgt Ion: 77 Resp: 433489

Ion Ratio Lower Upper

77 100

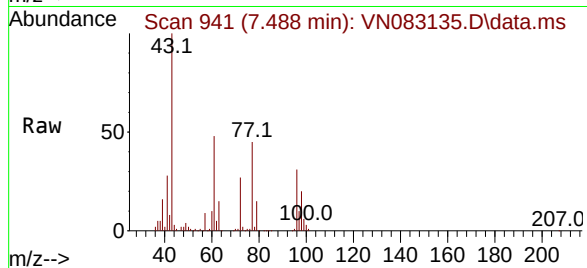
97 21.7 10.3 30.9





#27
cis-1,2-Dichloroethene
Concen: 95.225 ug/l
RT: 7.488 min Scan# 941
Delta R.T. -0.000 min
Lab File: VN083135.D
Acq: 07 Aug 2024 10:33

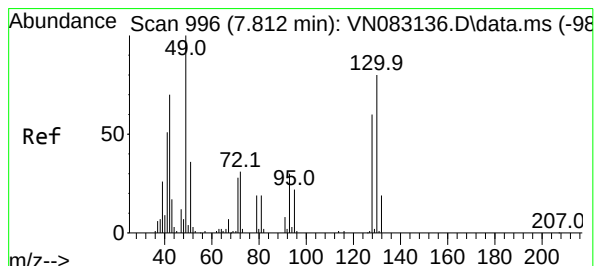
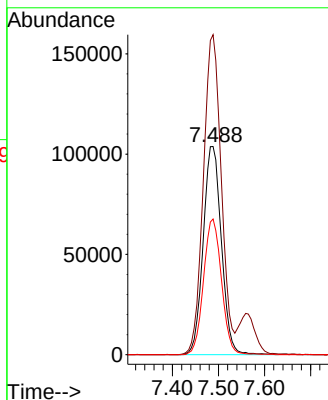
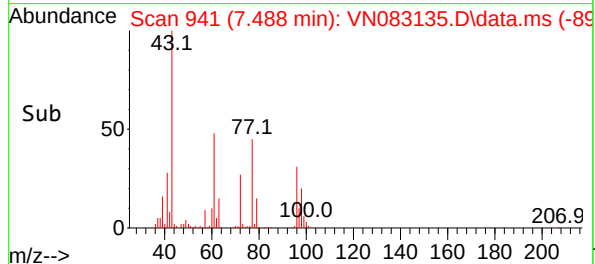
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



Tgt Ion: 96 Resp: 286100
Ion Ratio Lower Upper
96 100
61 151.6 0.0 329.6
98 64.3 0.0 128.6

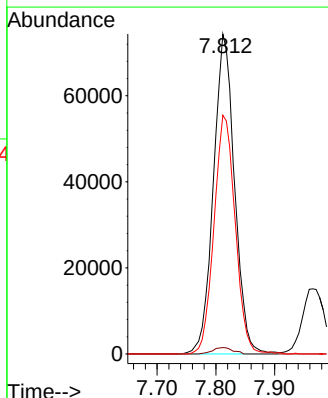
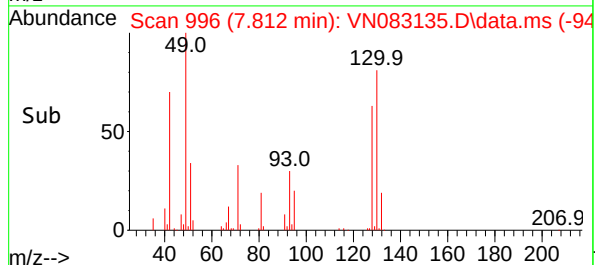
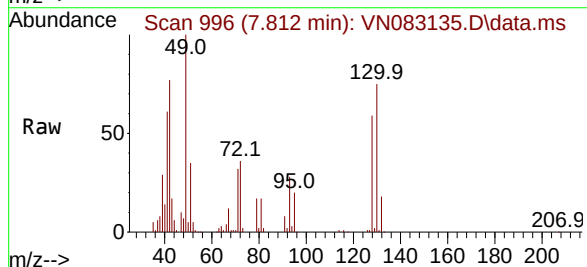
Manual Integrations
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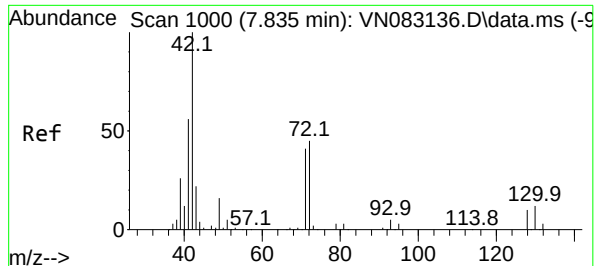
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#28
Bromochloromethane
Concen: 97.333 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VN083135.D
Acq: 07 Aug 2024 10:33

Tgt Ion: 49 Resp: 185533
Ion Ratio Lower Upper
49 100
129 1.9 0.0 3.8
130 74.9 50.5 75.7





#29

Tetrahydrofuran

Concen: 488.865 ug/l

RT: 7.841 min Scan# 1000

Delta R.T. 0.006 min

Lab File: VN083135.D

Acq: 07 Aug 2024 10:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 42 Resp: 587324

Ion Ratio Lower Upper

42 100

72 44.6 30.0 45.0

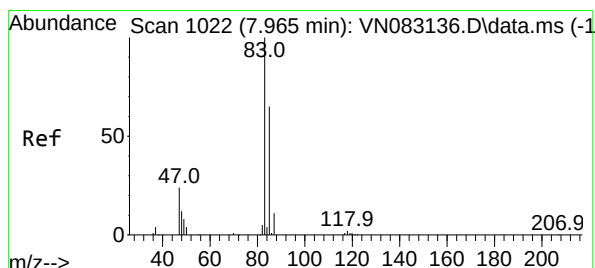
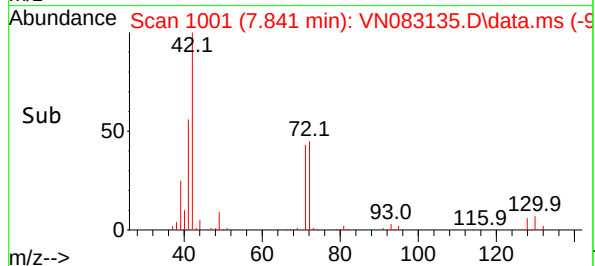
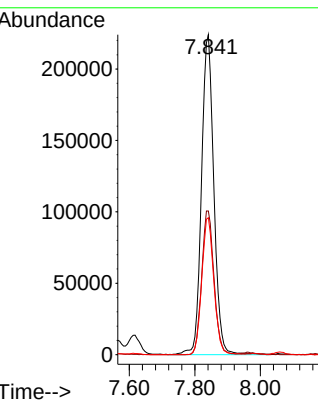
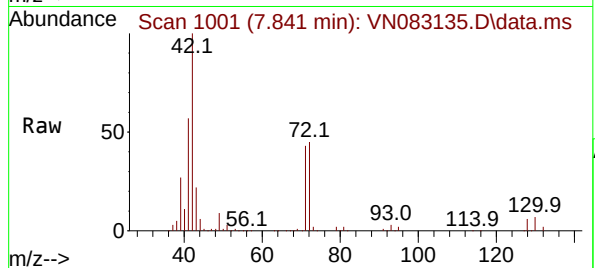
71 41.9 28.3 42.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#30

Chloroform

Concen: 97.456 ug/l

RT: 7.965 min Scan# 1022

Delta R.T. -0.000 min

Lab File: VN083135.D

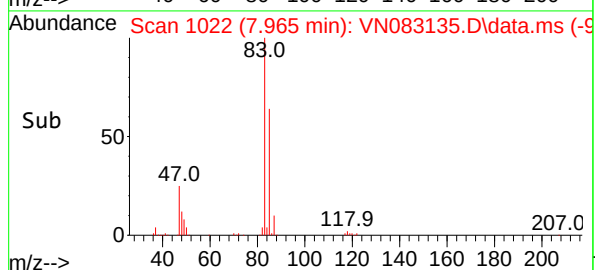
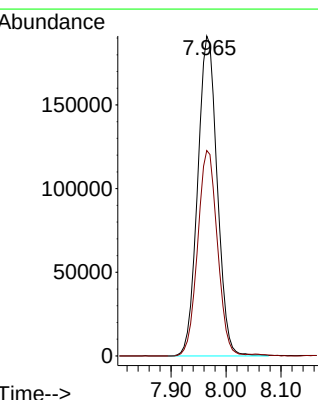
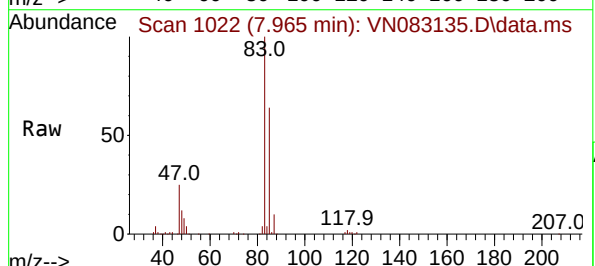
Acq: 07 Aug 2024 10:33

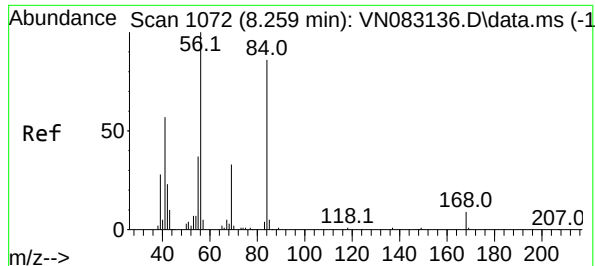
Tgt Ion: 83 Resp: 472257

Ion Ratio Lower Upper

83 100

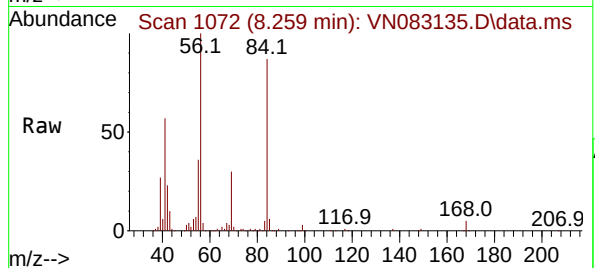
85 64.2 50.9 76.3





#31
Cyclohexane
Concen: 88.496 ug/l
RT: 8.259 min Scan# 1072
Delta R.T. -0.000 min
Lab File: VN083135.D
Acq: 07 Aug 2024 10:33

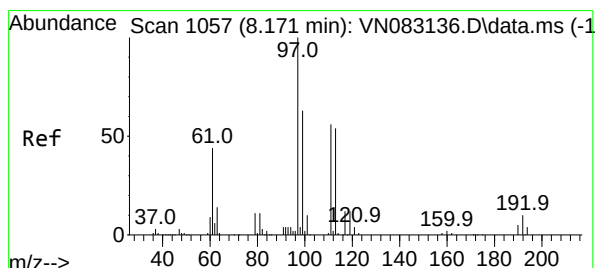
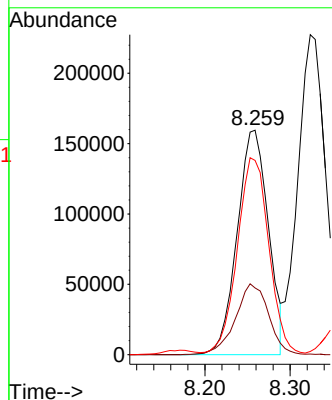
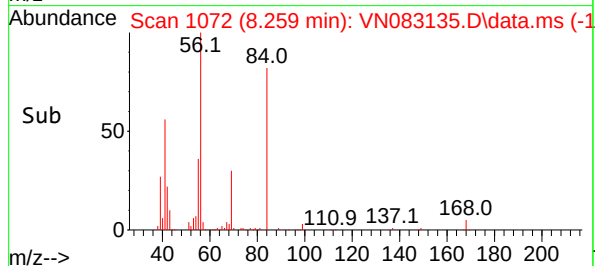
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



Tgt Ion: 56 Resp: 40566
Ion Ratio Lower Upper
56 100
69 29.7 24.5 36.7
84 84.5 66.0 99.0

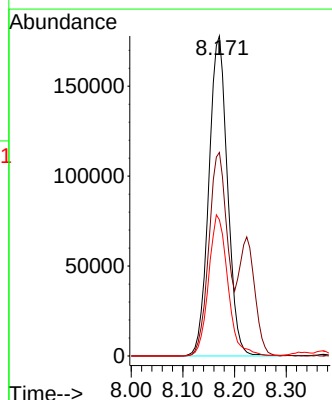
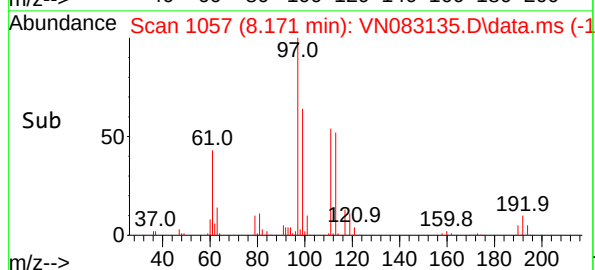
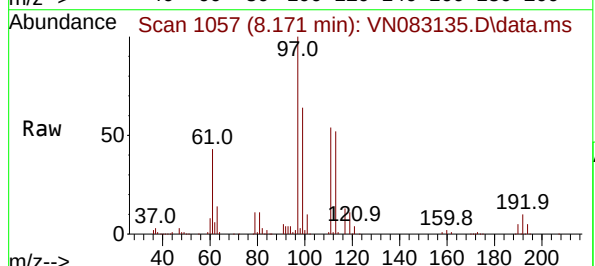
Manual Integrations
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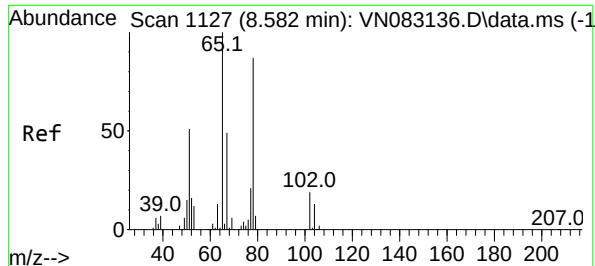
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#32
1,1,1-Trichloroethane
Concen: 97.332 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN083135.D
Acq: 07 Aug 2024 10:33

Tgt Ion: 97 Resp: 446446
Ion Ratio Lower Upper
97 100
99 64.7 52.0 78.0
61 45.7 42.1 63.1





#33

1,2-Dichloroethane-d4

Concen: 100.713 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VN083135.D

Acq: 07 Aug 2024 10:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion: 65 Resp: 31153

Ion Ratio Lower Upper

65 100

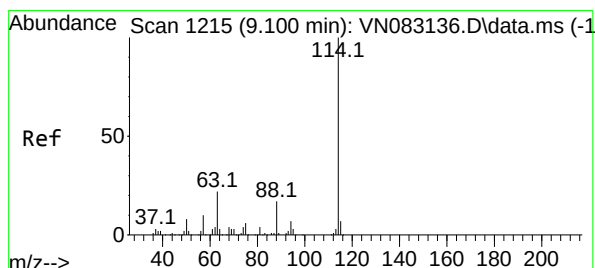
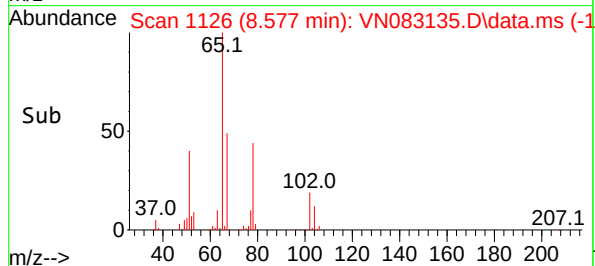
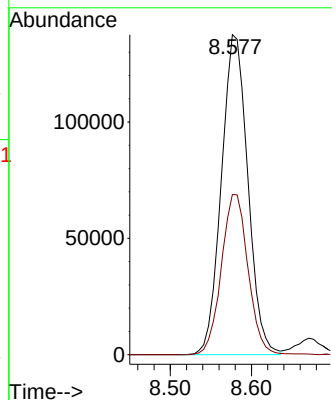
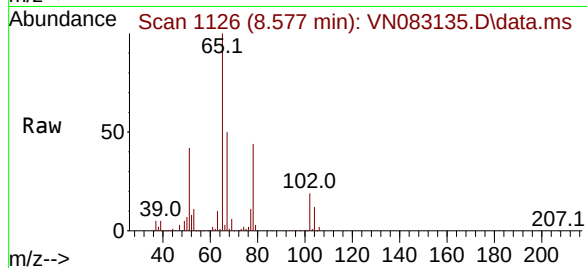
67 50.6 0.0 104.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN083135.D

Acq: 07 Aug 2024 10:33

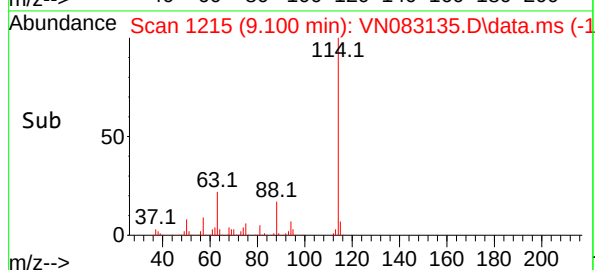
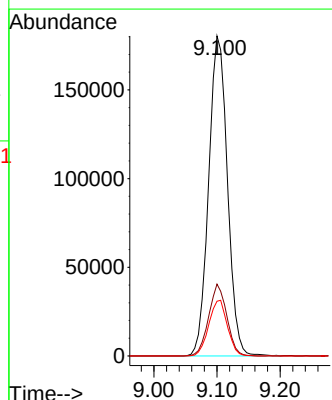
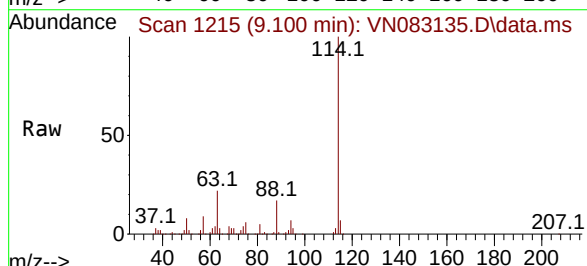
Tgt Ion:114 Resp: 373033

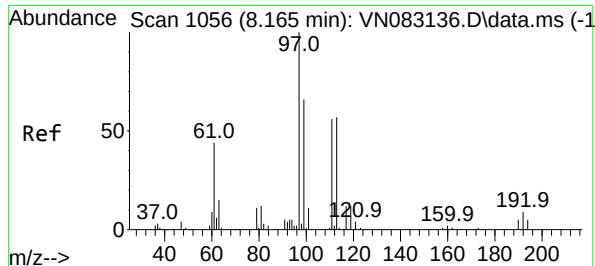
Ion Ratio Lower Upper

114 100

63 22.5 0.0 44.6

88 17.1 0.0 31.4





#35

Dibromofluoromethane

Concen: 99.556 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN083135.D

Acq: 07 Aug 2024 10:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion:113 Resp: 23180

Ion Ratio Lower Upper

113 100

111 103.7 82.4 123.6

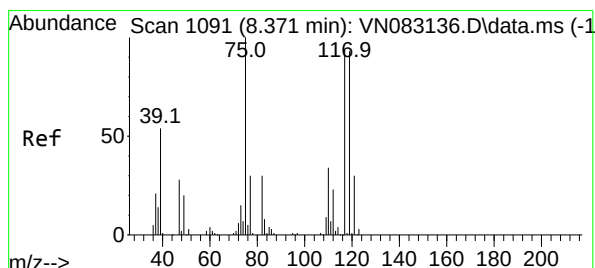
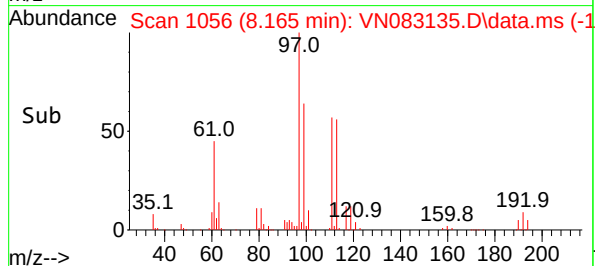
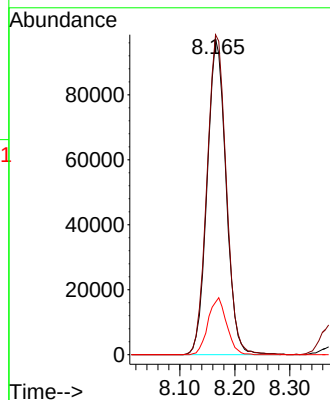
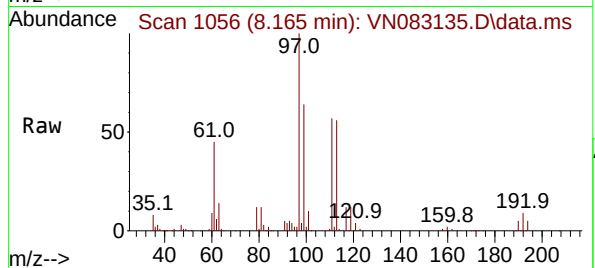
192 17.7 14.9 22.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#36

1,1-Dichloropropene

Concen: 96.808 ug/l

RT: 8.371 min Scan# 1091

Delta R.T. -0.000 min

Lab File: VN083135.D

Acq: 07 Aug 2024 10:33

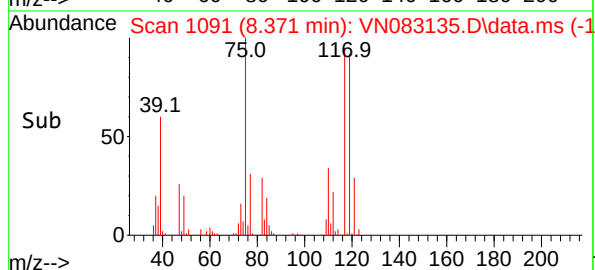
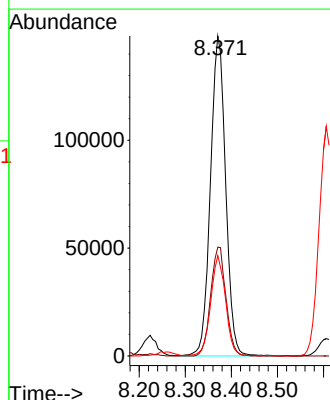
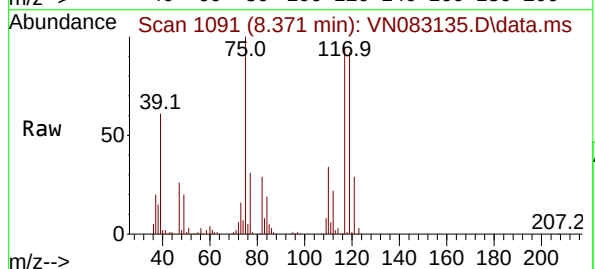
Tgt Ion: 75 Resp: 340980

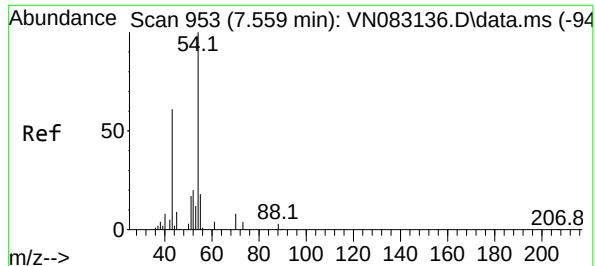
Ion Ratio Lower Upper

75 100

110 34.1 16.3 48.9

77 30.6 24.6 37.0





#37

Ethyl Acetate

Concen: 90.602 ug/l

RT: 7.559 min Scan# 91

Delta R.T. -0.000 min

Lab File: VN083135.D

Acq: 07 Aug 2024 10:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion: 43 Resp: 357308

Ion Ratio Lower Upper

43 100

61 14.4 9.3 13.9

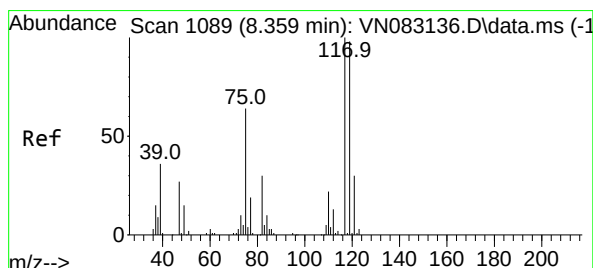
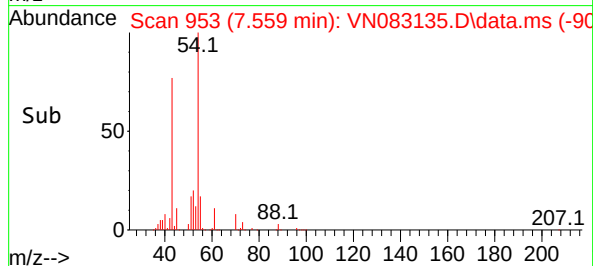
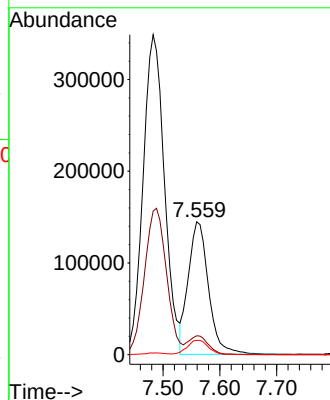
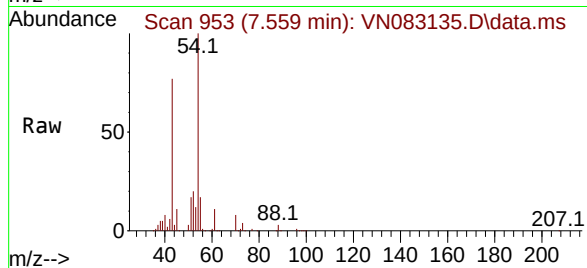
70 11.4 7.0 10.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#38

Carbon Tetrachloride

Concen: 98.597 ug/l

RT: 8.359 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VN083135.D

Acq: 07 Aug 2024 10:33

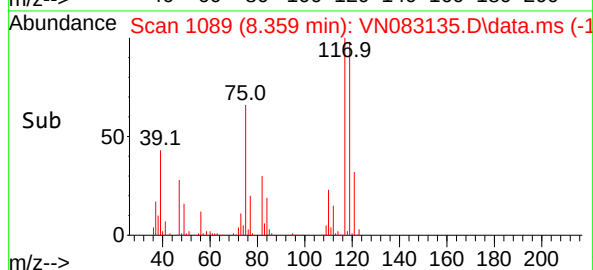
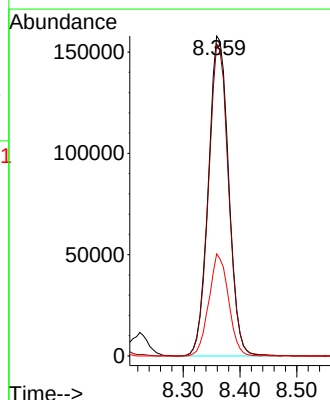
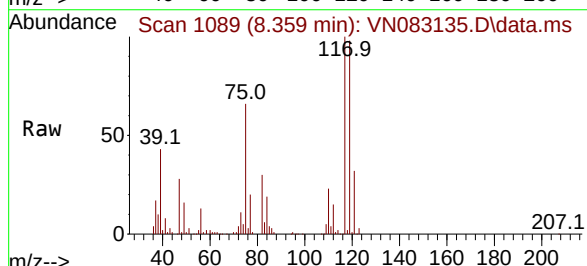
Tgt Ion:117 Resp: 391148

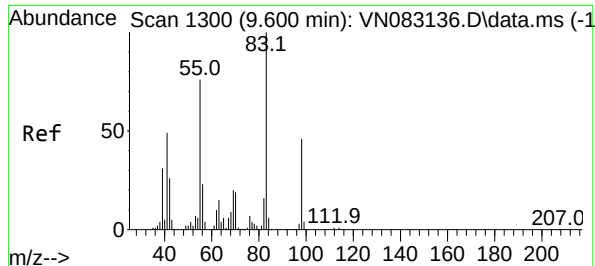
Ion Ratio Lower Upper

117 100

119 97.5 74.9 112.3

121 31.9 24.3 36.5





#39

Methylcyclohexane

Concen: 97.486 ug/l

RT: 9.600 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VN083135.D

Acq: 07 Aug 2024 10:33

Instrument :

MSVOA_N

ClientSampleId :

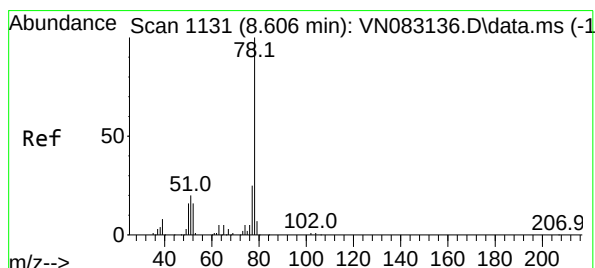
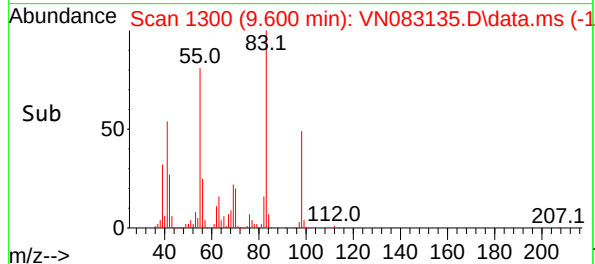
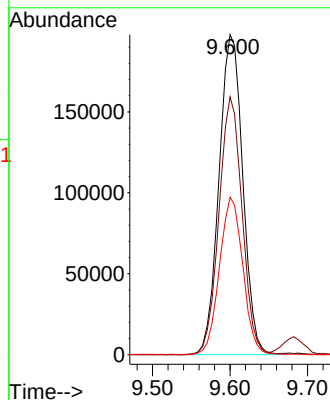
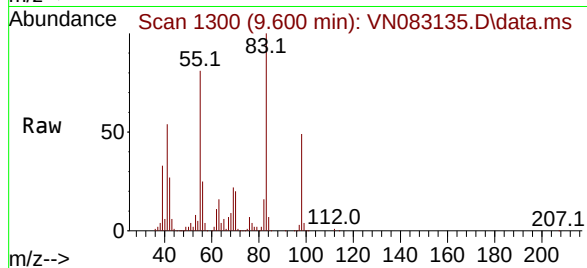
VSTDICC100

Tgt Ion:	83	Resp:	42174
Ion	Ratio	Lower	Upper
83	100		
55	80.6	66.4	99.6
98	49.2	40.7	61.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#40

Benzene

Concen: 98.550 ug/l

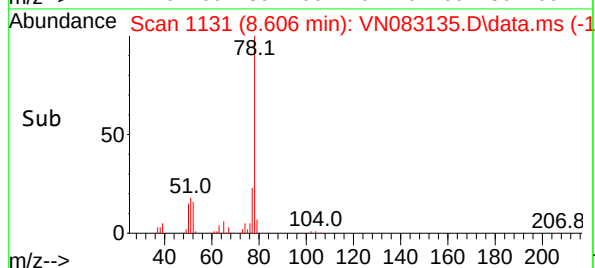
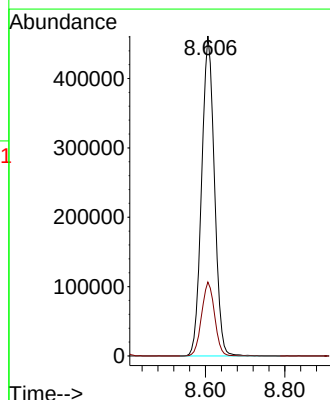
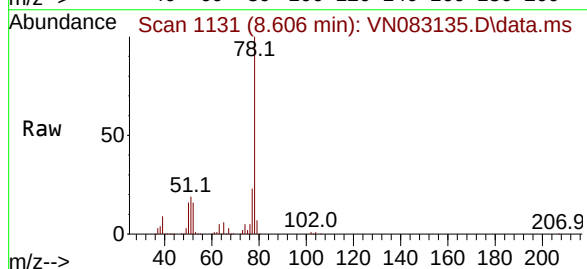
RT: 8.606 min Scan# 1131

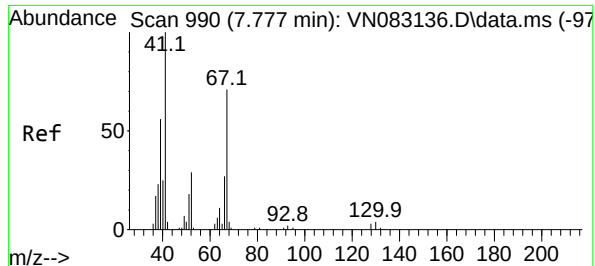
Delta R.T. -0.000 min

Lab File: VN083135.D

Acq: 07 Aug 2024 10:33

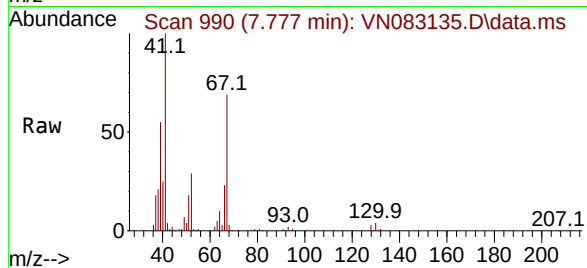
Tgt Ion:	78	Resp:	1034059
Ion	Ratio	Lower	Upper
78	100		
77	23.1	19.0	28.4





#41
Methacrylonitrile
Concen: 91.799 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN083135.D
Acq: 07 Aug 2024 10:33

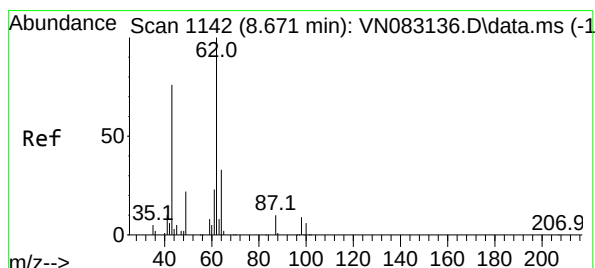
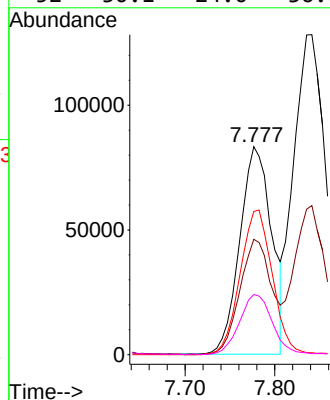
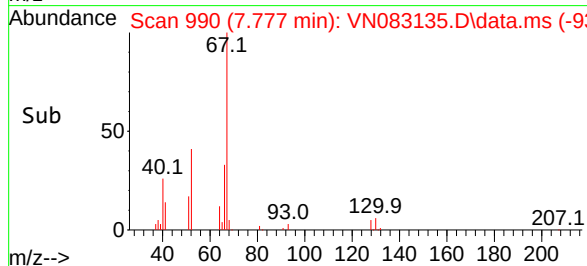
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



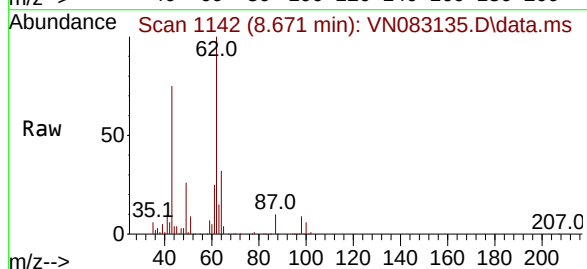
Tgt Ion: 41 Resp: 205844
Ion Ratio Lower Upper
41 100
39 55.7 45.5 68.3
67 70.9 50.5 75.7
52 30.1 24.0 36.0

Manual Integrations
APPROVED

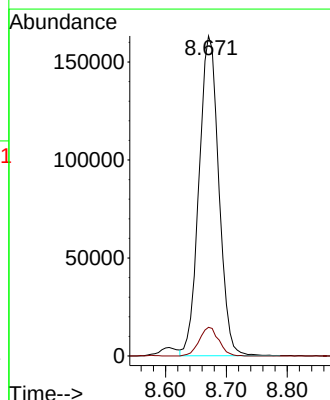
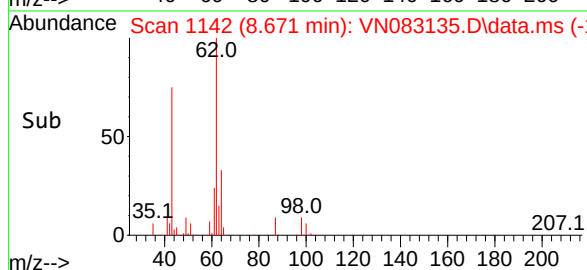
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024

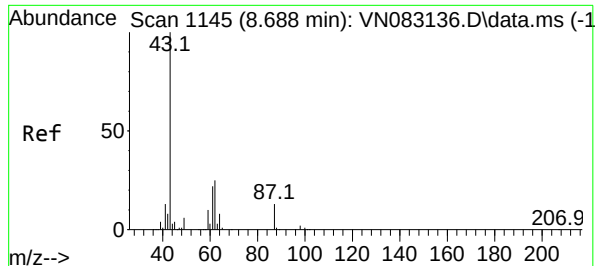


#42
1,2-Dichloroethane
Concen: 96.385 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VN083135.D
Acq: 07 Aug 2024 10:33



Tgt Ion: 62 Resp: 368412
Ion Ratio Lower Upper
62 100
98 8.8 0.0 15.8





#43

Isopropyl Acetate

Concen: 99.962 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VN083135.D

Acq: 07 Aug 2024 10:33

Instrument :

MSVOA_N

ClientSampleId :

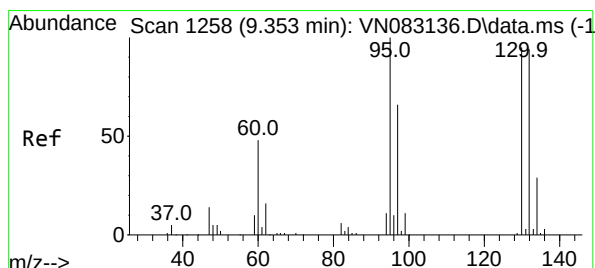
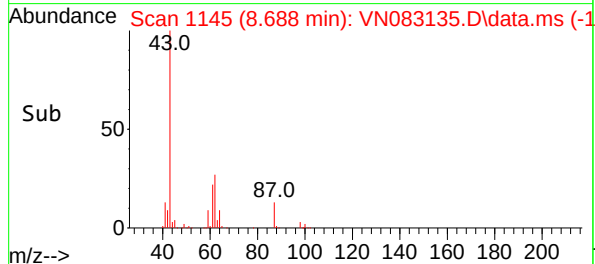
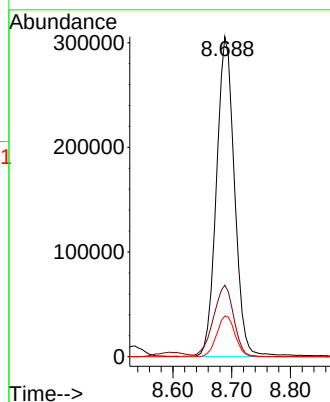
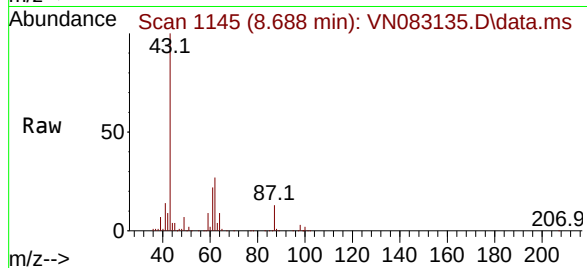
VSTDICC100

Tgt Ion: 43	Resp: 64858
Ion Ratio	Lower Upper
43	100
61	25.2 17.8 26.6
87	13.0 8.2 12.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#44

Trichloroethene

Concen: 98.774 ug/l

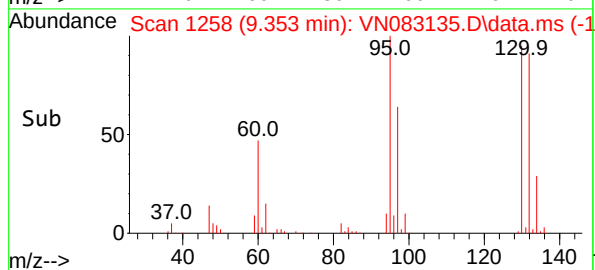
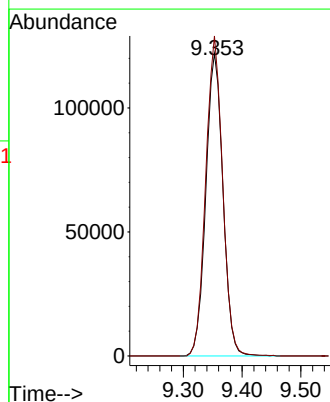
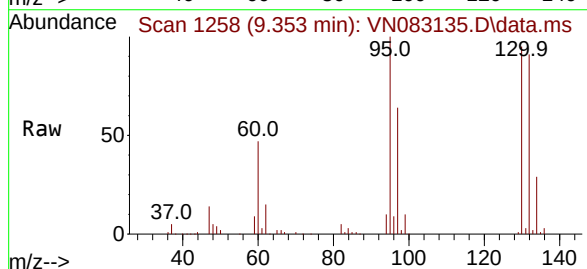
RT: 9.353 min Scan# 1258

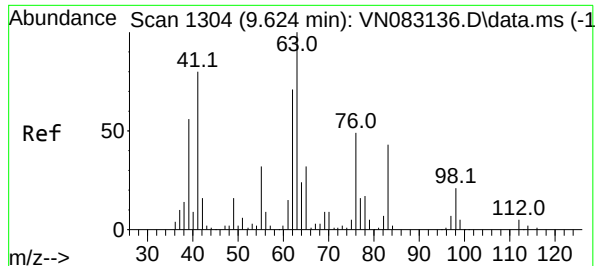
Delta R.T. -0.000 min

Lab File: VN083135.D

Acq: 07 Aug 2024 10:33

Tgt Ion:130	Resp: 246689
Ion Ratio	Lower Upper
130	100
95	105.7 0.0 197.8





#45

1,2-Dichloropropane

Concen: 99.275 ug/l

RT: 9.624 min Scan# 1304

Delta R.T. -0.000 min

Lab File: VN083135.D

Acq: 07 Aug 2024 10:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 63 Resp: 247262

Ion Ratio Lower Upper

63 100

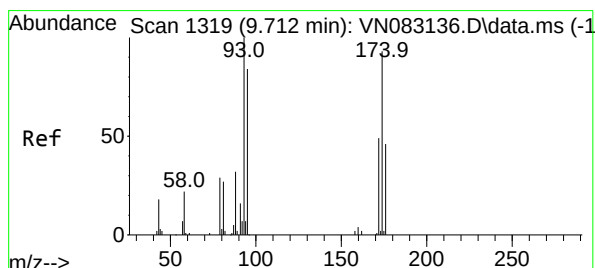
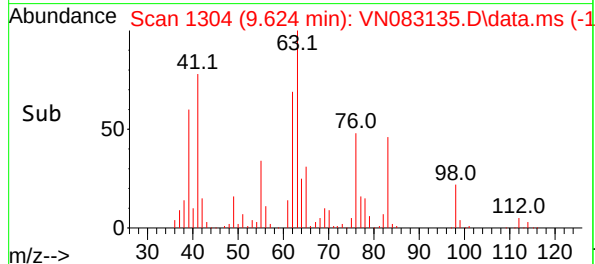
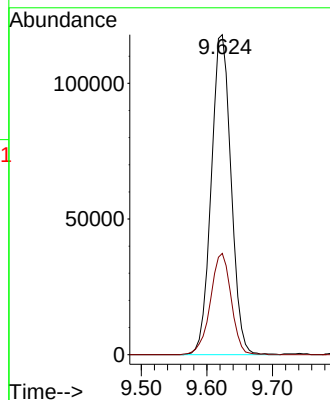
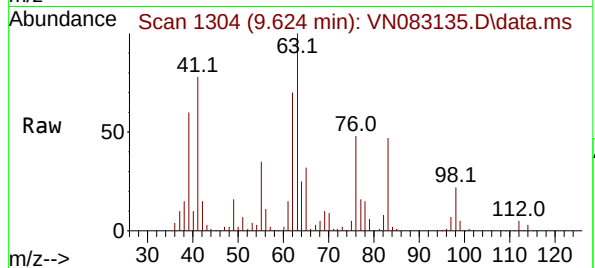
65 31.6 24.4 36.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#46

Dibromomethane

Concen: 99.449 ug/l

RT: 9.712 min Scan# 1319

Delta R.T. -0.000 min

Lab File: VN083135.D

Acq: 07 Aug 2024 10:33

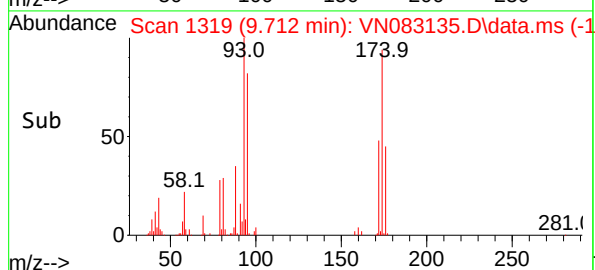
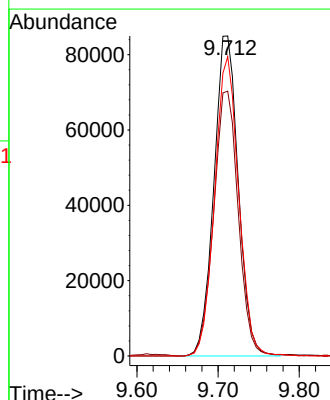
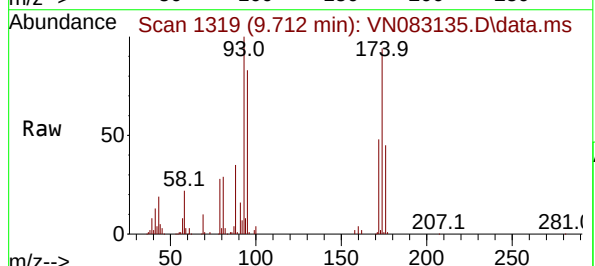
Tgt Ion: 93 Resp: 177294

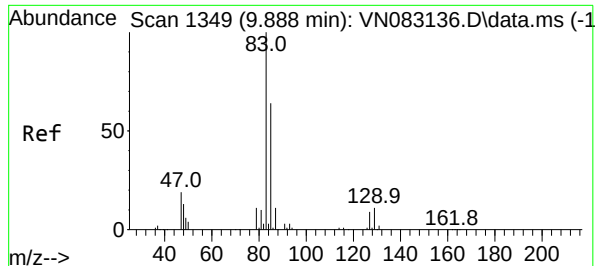
Ion Ratio Lower Upper

93 100

95 83.4 65.8 98.6

174 92.1 71.7 107.5





#47

Bromodichloromethane

Concen: 97.184 ug/l

RT: 9.888 min Scan# 1349

Delta R.T. -0.000 min

Lab File: VN083135.D

Acq: 07 Aug 2024 10:33

Instrument :

MSVOA_N

ClientSampleId :

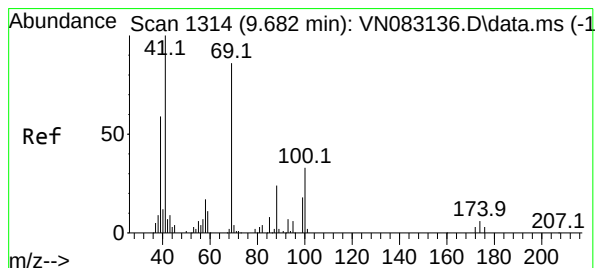
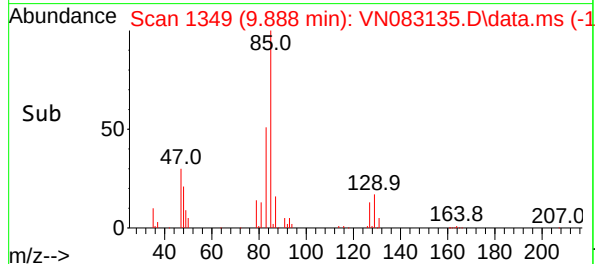
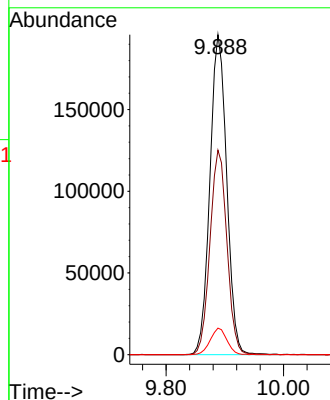
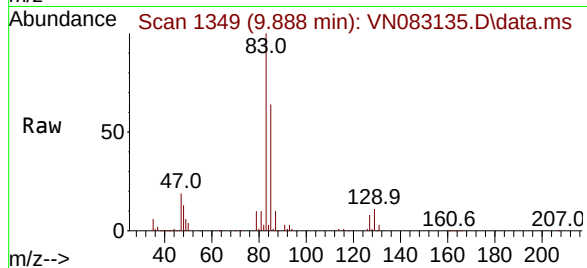
VSTDICC100

Tgt Ion:	83	Resp:	389020
Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.1	76.7
127	8.3	7.2	10.8

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#48

Methyl methacrylate

Concen: 94.886 ug/l

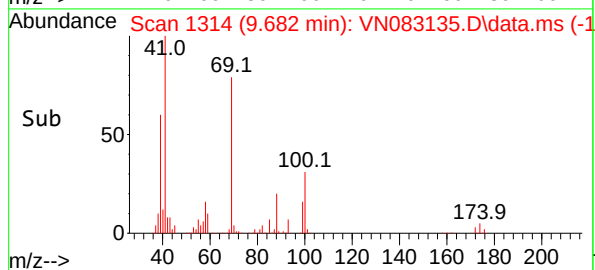
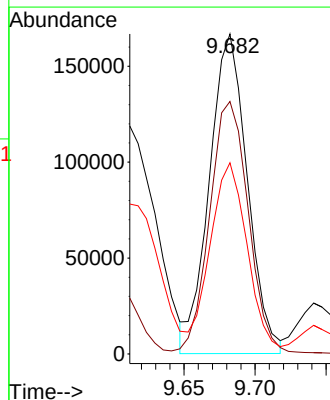
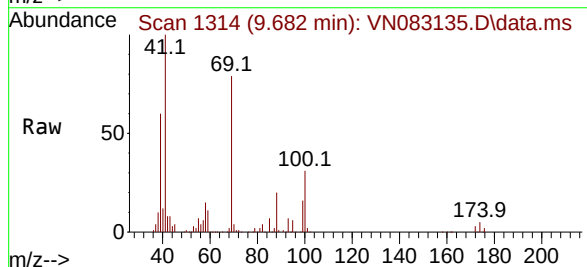
RT: 9.682 min Scan# 1314

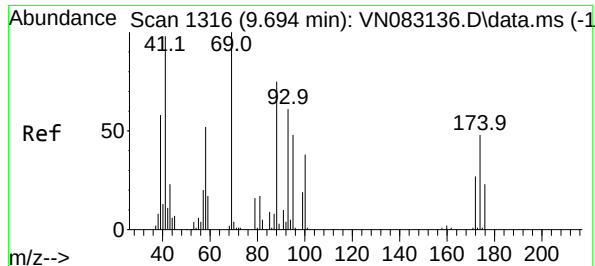
Delta R.T. -0.000 min

Lab File: VN083135.D

Acq: 07 Aug 2024 10:33

Tgt Ion:	41	Resp:	309367
Ion	Ratio	Lower	Upper
41	100		
69	81.0	56.3	84.5
39	58.7	50.3	75.5





#49

1,4-Dioxane

Concen: 1994.879 ug/l

RT: 9.694 min Scan# 11734

Delta R.T. -0.000 min

Lab File: VN083135.D

Acq: 07 Aug 2024 10:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion: 88 Resp: 11734

Ion Ratio Lower Upper

88 100

43 28.2 27.8 41.8

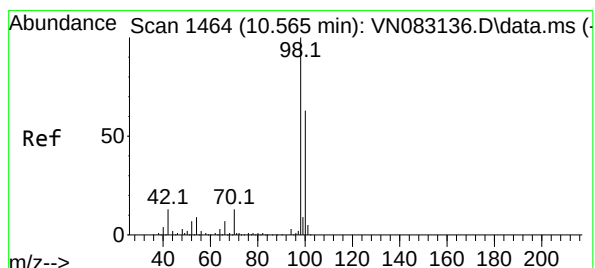
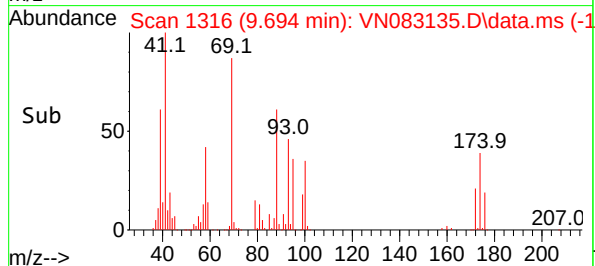
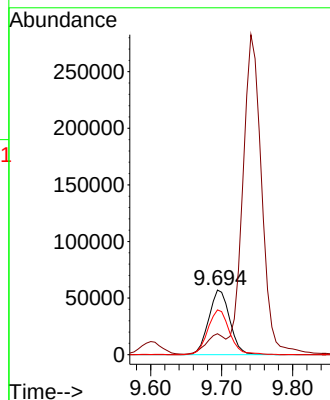
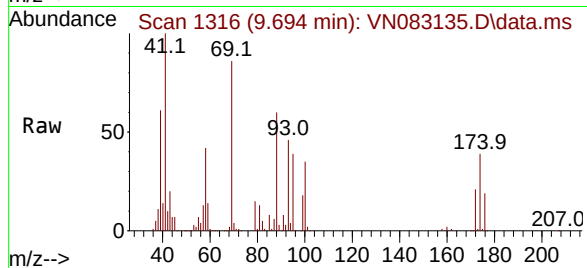
58 71.8 59.4 89.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#50

Toluene-d8

Concen: 103.163 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN083135.D

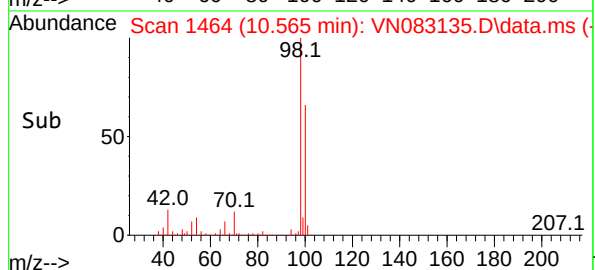
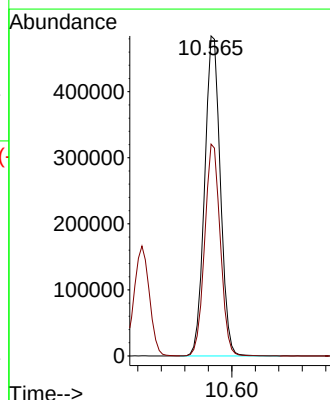
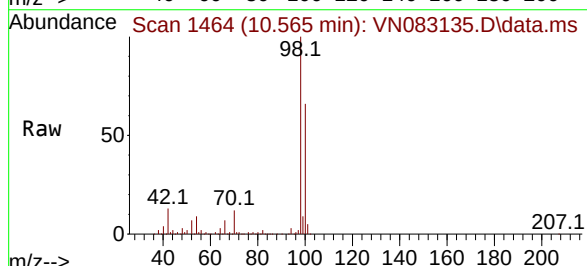
Acq: 07 Aug 2024 10:33

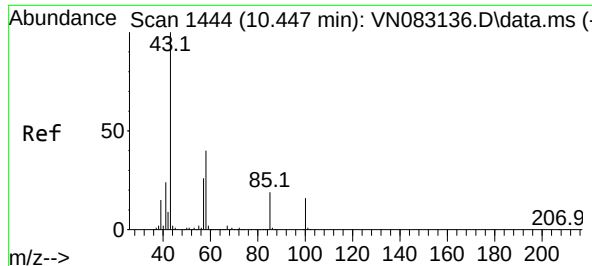
Tgt Ion: 98 Resp: 896022

Ion Ratio Lower Upper

98 100

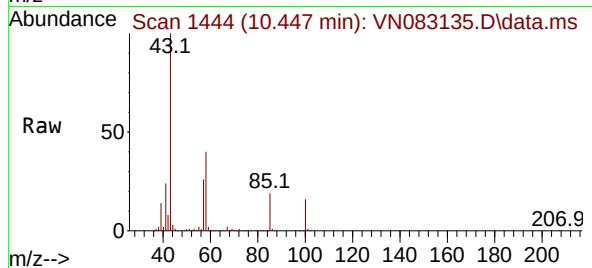
100 65.8 51.5 77.3





#51
4-Methyl-2-Pentanone
Concen: 495.091 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN083135.D
Acq: 07 Aug 2024 10:33

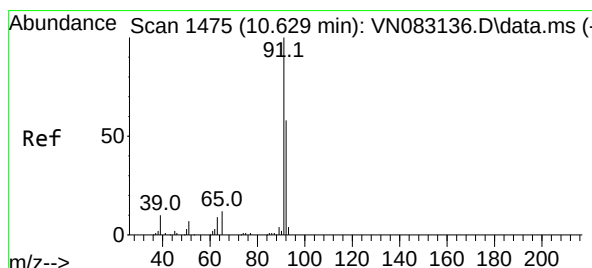
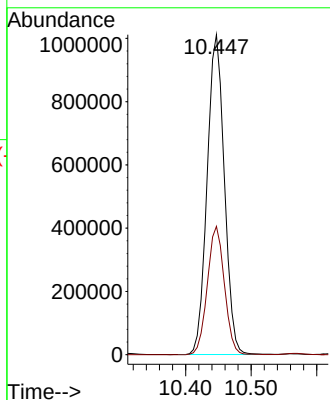
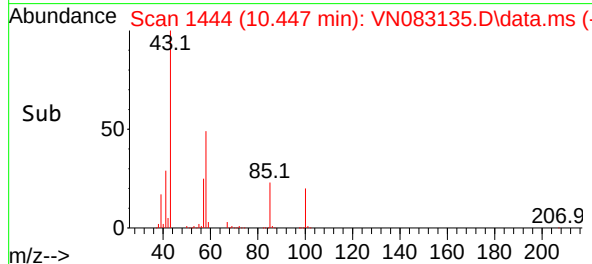
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



Tgt Ion: 43 Resp: 1846340
Ion Ratio Lower Upper
43 100
58 39.7 28.2 42.4

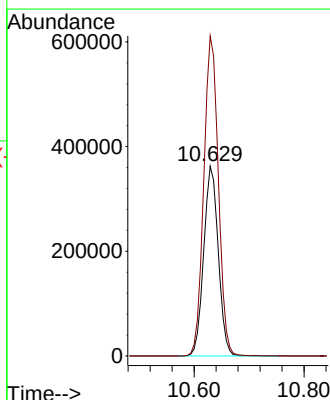
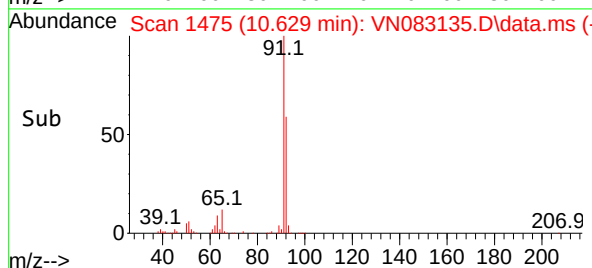
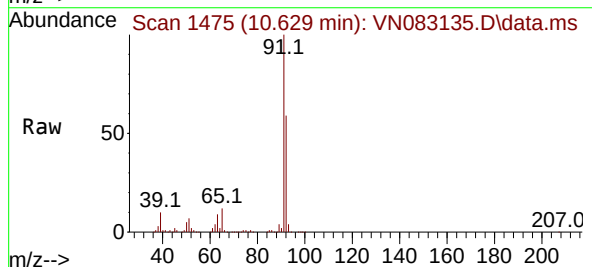
Manual Integrations
APPROVED

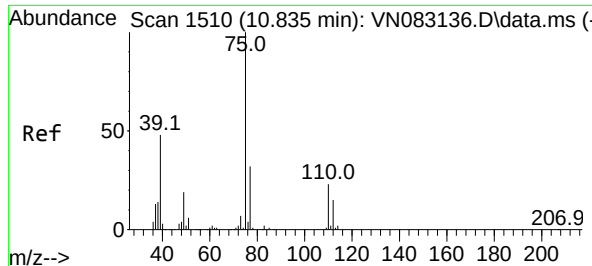
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#52
Toluene
Concen: 100.347 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN083135.D
Acq: 07 Aug 2024 10:33

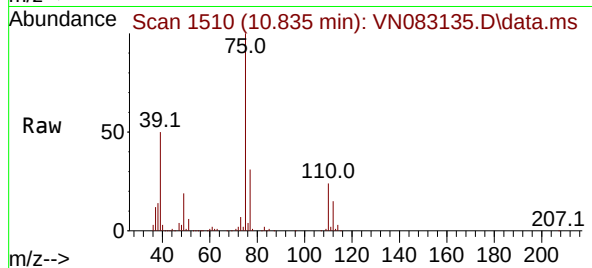
Tgt Ion: 92 Resp: 665274
Ion Ratio Lower Upper
92 100
91 169.4 139.4 209.0





#53
t-1,3-Dichloropropene
Concen: 103.317 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. -0.000 min
Lab File: VN083135.D
Acq: 07 Aug 2024 10:33

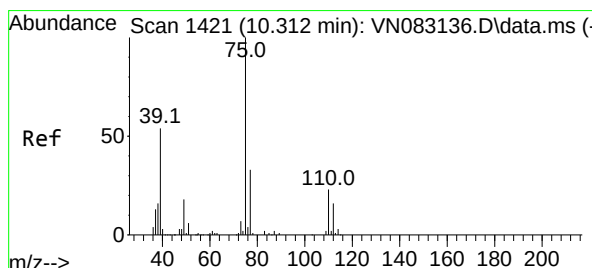
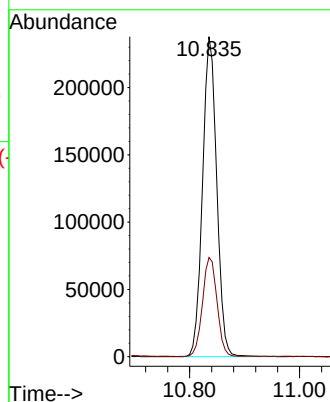
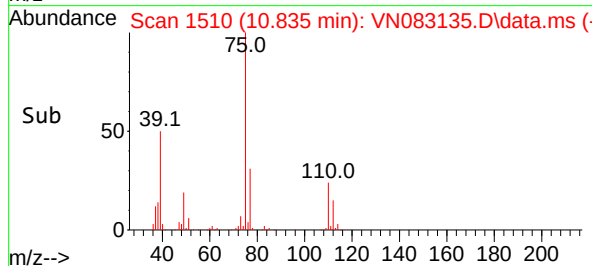
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



Tgt Ion: 75 Resp: 424829
Ion Ratio Lower Upper
75 100
77 30.9 25.7 38.5

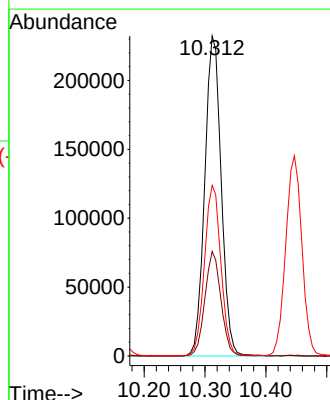
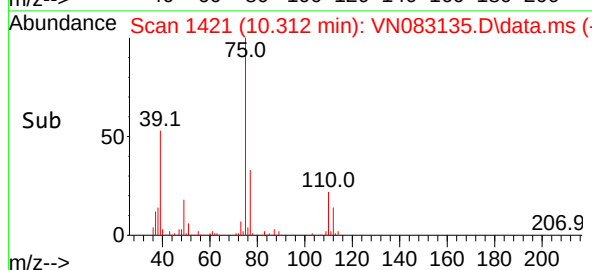
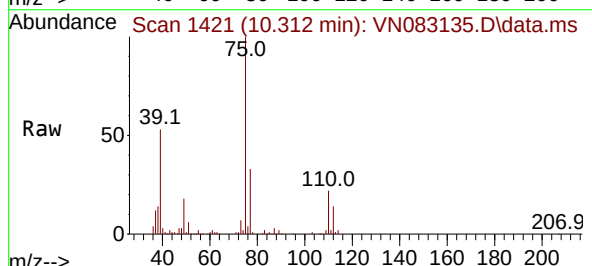
Manual Integrations
APPROVED

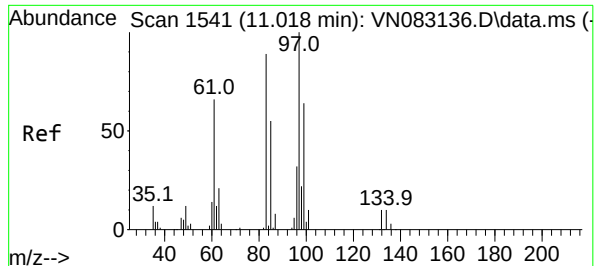
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#54
cis-1,3-Dichloropropene
Concen: 99.903 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.000 min
Lab File: VN083135.D
Acq: 07 Aug 2024 10:33

Tgt Ion: 75 Resp: 436928
Ion Ratio Lower Upper
75 100
77 32.7 24.3 36.5
39 53.2 50.5 75.7





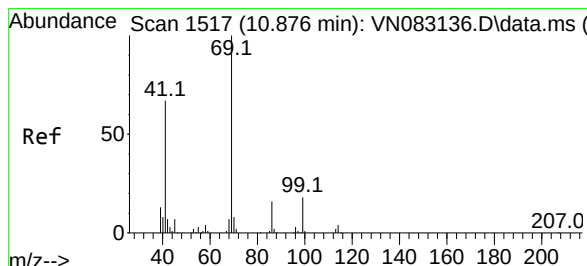
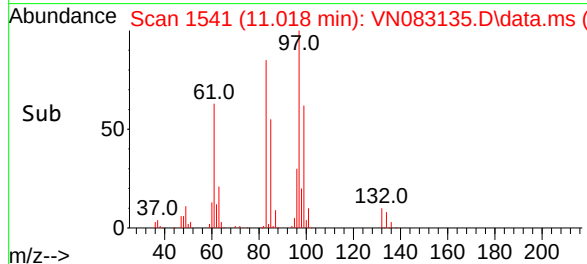
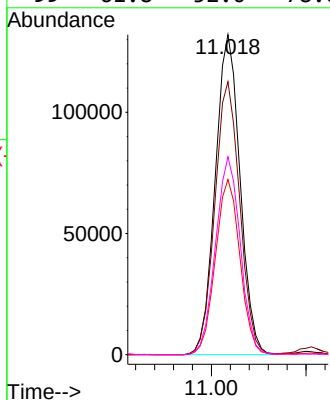
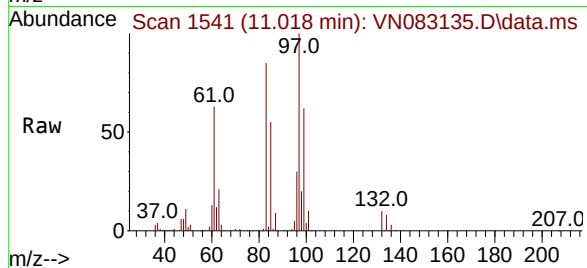
#55
1,1,2-Trichloroethane
Concen: 101.114 ug/l
RT: 11.018 min Scan# 1541
Delta R.T. -0.000 min
Lab File: VN083135.D
Acq: 07 Aug 2024 10:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:	97	Resp:	24023
Ion	Ratio	Lower	Upper
97	100		
83	85.3	71.4	107.0
85	54.8	45.8	68.6
99	61.8	52.0	78.0

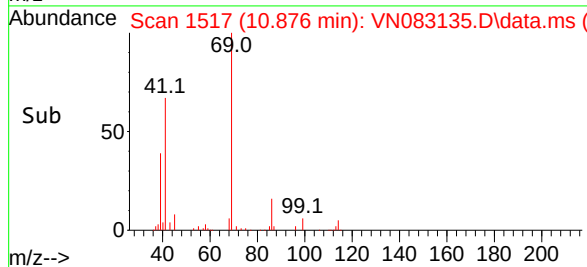
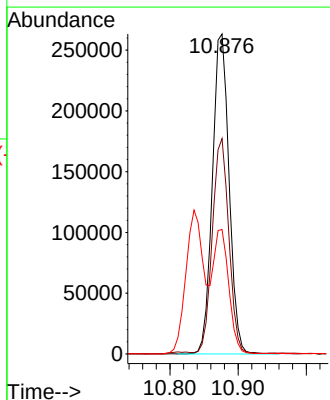
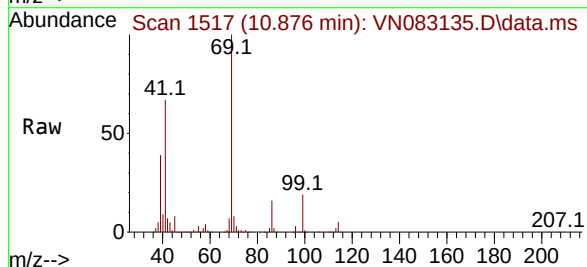
Manual Integrations
APPROVED

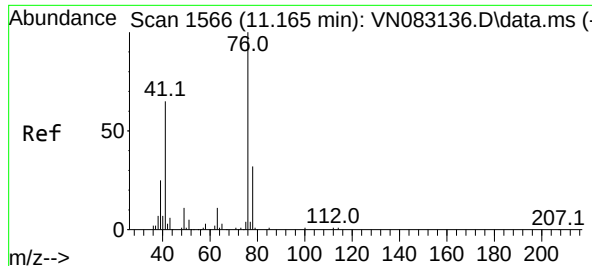
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#56
Ethyl methacrylate
Concen: 100.164 ug/l
RT: 10.876 min Scan# 1517
Delta R.T. -0.000 min
Lab File: VN083135.D
Acq: 07 Aug 2024 10:33

Tgt Ion:	69	Resp:	448632
Ion	Ratio	Lower	Upper
69	100		
41	66.4	63.4	95.2
39	34.5	37.4	56.0





#57

1,3-Dichloropropane

Concen: 98.824 ug/l

RT: 11.165 min Scan# 1566

Delta R.T. -0.000 min

Lab File: VN083135.D

Acq: 07 Aug 2024 10:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion: 76 Resp: 41850

Ion Ratio Lower Upper

76 100

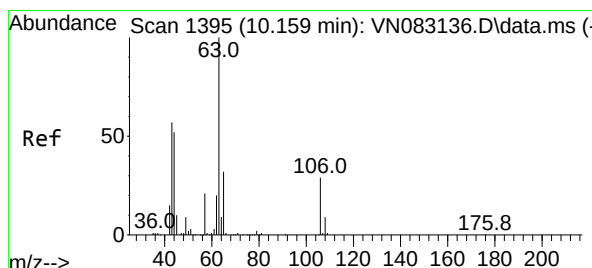
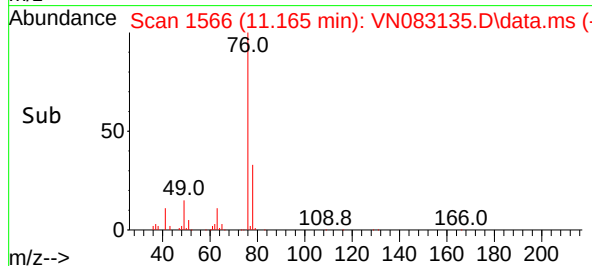
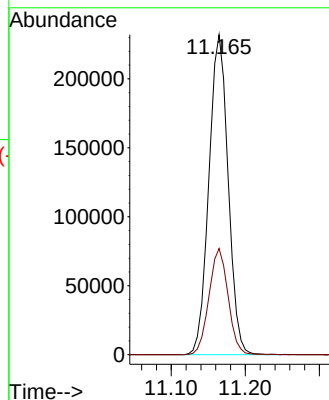
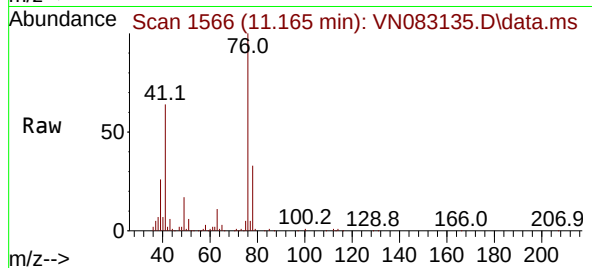
78 32.9 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#58

2-Chloroethyl Vinyl ether

Concen: 519.987 ug/l

RT: 10.159 min Scan# 1395

Delta R.T. -0.000 min

Lab File: VN083135.D

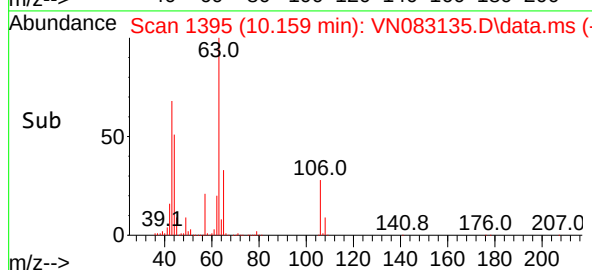
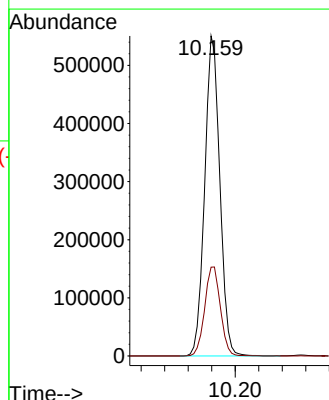
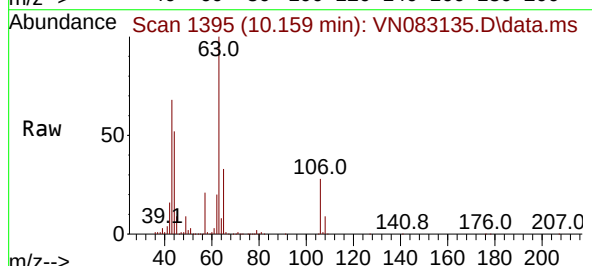
Acq: 07 Aug 2024 10:33

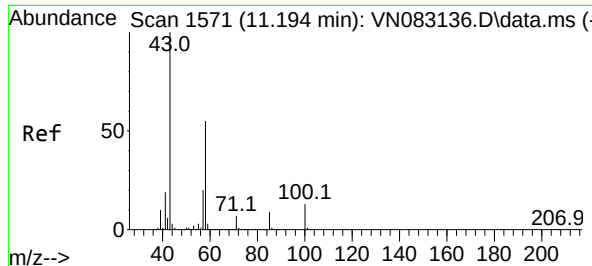
Tgt Ion: 63 Resp: 984478

Ion Ratio Lower Upper

63 100

106 28.8 21.4 32.0





#59

2-Hexanone

Concen: 501.642 ug/l

RT: 11.194 min Scan# 1571

Delta R.T. -0.000 min

Lab File: VN083135.D

Acq: 07 Aug 2024 10:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion: 43 Resp: 144730

Ion Ratio Lower Upper

43 100

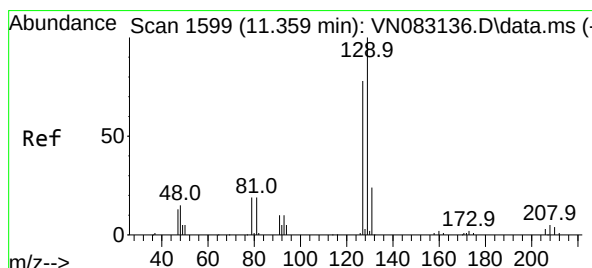
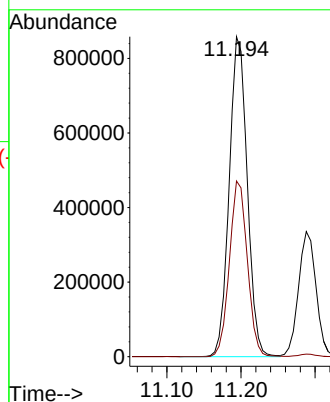
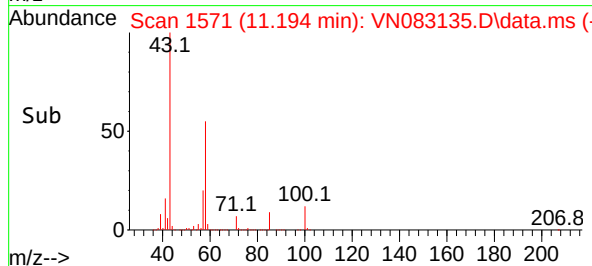
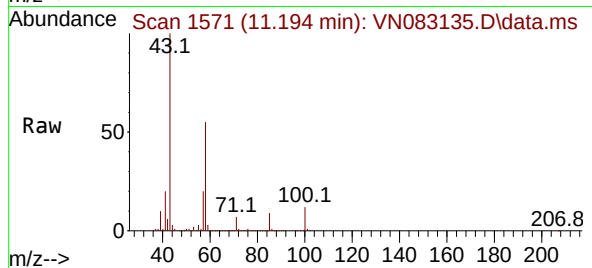
58 54.7 24.6 73.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#60

Dibromochloromethane

Concen: 103.914 ug/l

RT: 11.359 min Scan# 1599

Delta R.T. -0.000 min

Lab File: VN083135.D

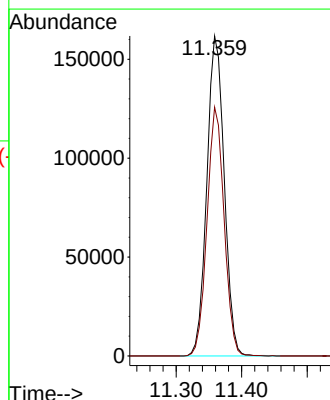
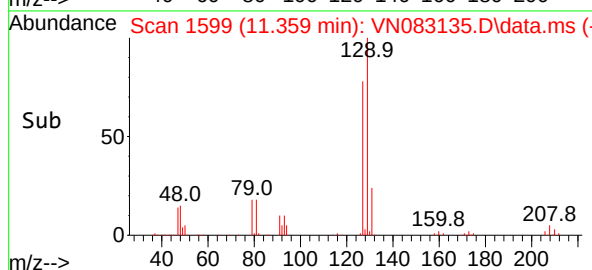
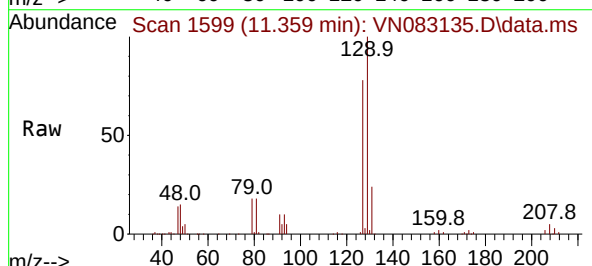
Acq: 07 Aug 2024 10:33

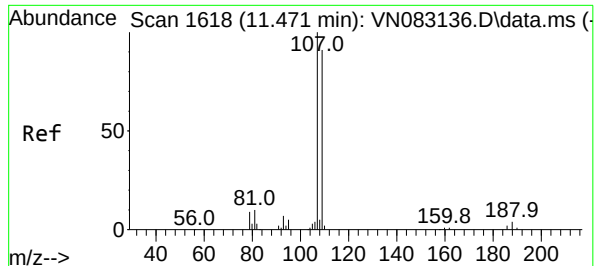
Tgt Ion:129 Resp: 298498

Ion Ratio Lower Upper

129 100

127 76.3 39.2 117.6





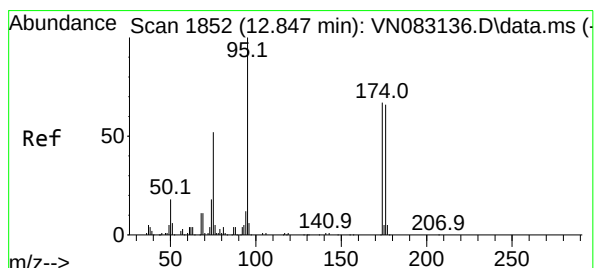
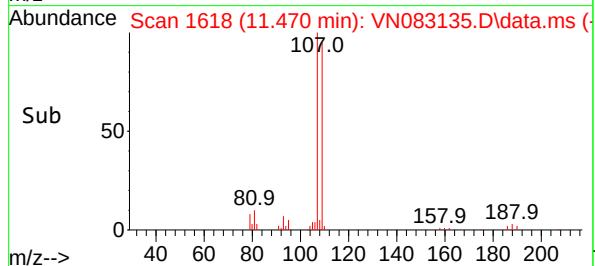
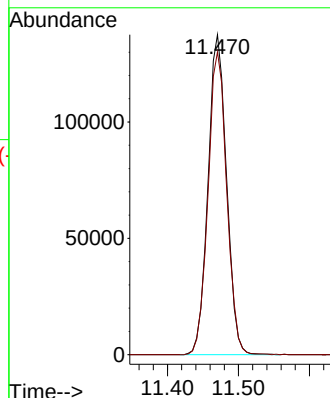
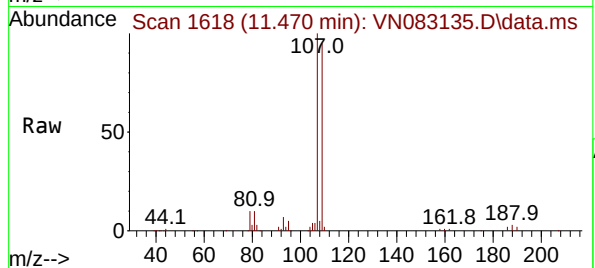
#61
1,2-Dibromoethane
Concen: 99.794 ug/l
RT: 11.470 min Scan# 1618
Delta R.T. -0.000 min
Lab File: VN083135.D
Acq: 07 Aug 2024 10:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:107 Resp: 249072
Ion Ratio Lower Upper
107 100
109 95.5 73.7 110.5

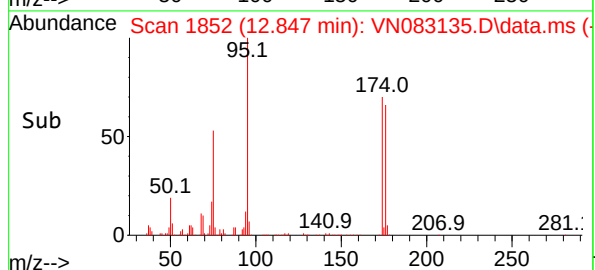
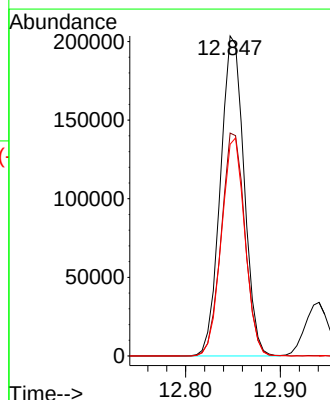
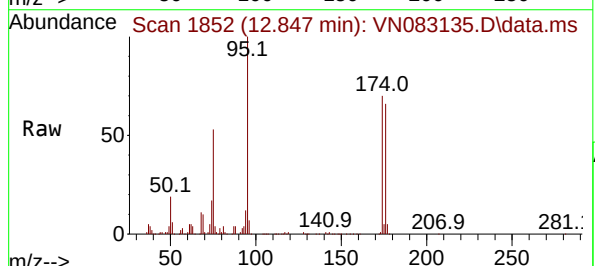
Manual Integrations
APPROVED

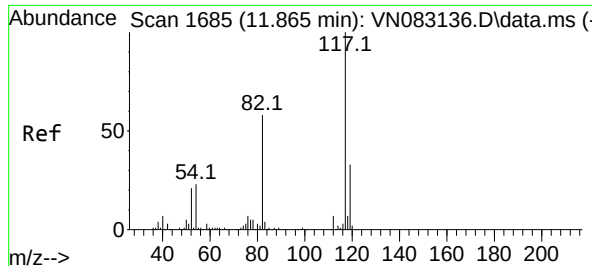
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#62
4-Bromofluorobenzene
Concen: 104.234 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN083135.D
Acq: 07 Aug 2024 10:33

Tgt Ion: 95 Resp: 352947
Ion Ratio Lower Upper
95 100
174 69.9 0.0 159.2
176 67.6 0.0 147.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN083135.D

Acq: 07 Aug 2024 10:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion:117 Resp: 329850

Ion Ratio Lower Upper

117 100

82 59.0 47.5 71.3

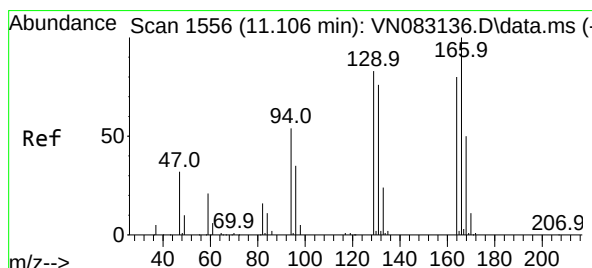
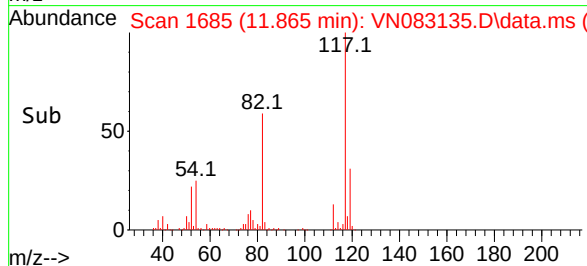
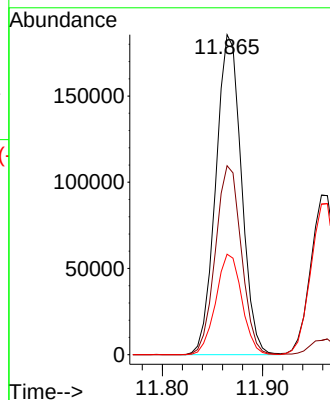
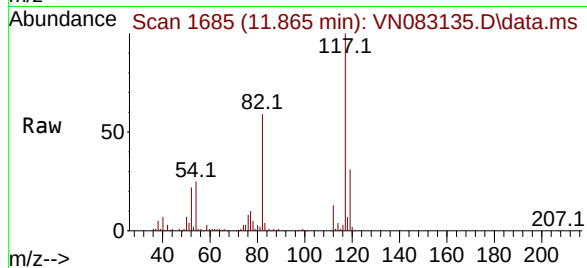
119 31.4 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#64

Tetrachloroethene

Concen: 96.284 ug/l

RT: 11.106 min Scan# 1556

Delta R.T. -0.000 min

Lab File: VN083135.D

Acq: 07 Aug 2024 10:33

Tgt Ion:164 Resp: 210334

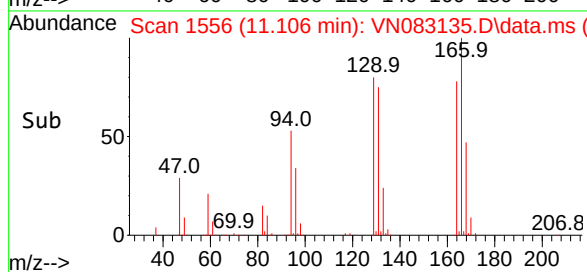
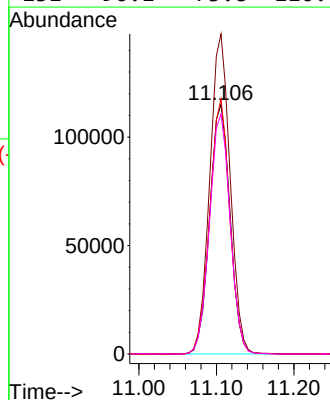
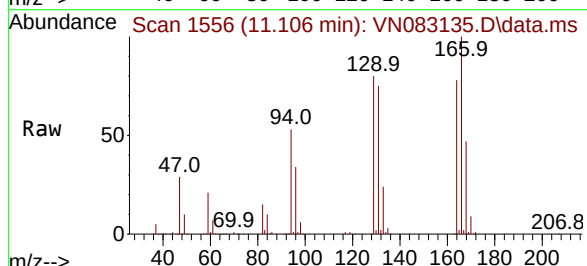
Ion Ratio Lower Upper

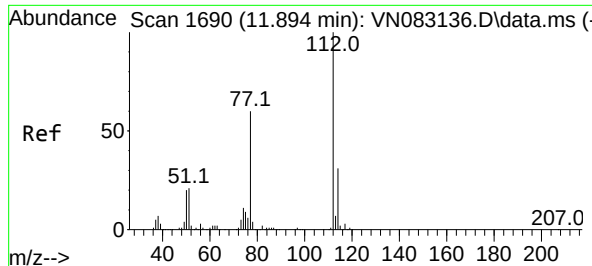
164 100

166 128.2 101.4 152.0

129 102.1 75.7 113.5

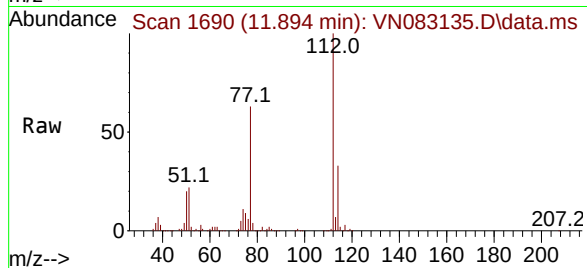
131 96.1 73.8 110.6





#65
Chlorobenzene
Concen: 96.805 ug/l
RT: 11.894 min Scan# 110
Delta R.T. -0.000 min
Lab File: VN083135.D
Acq: 07 Aug 2024 10:33

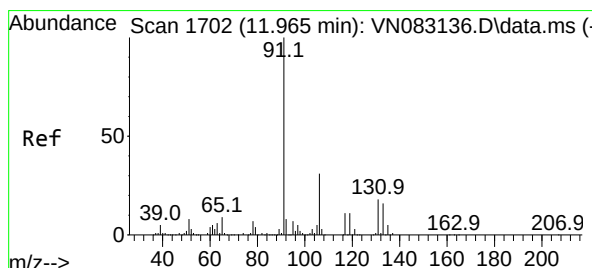
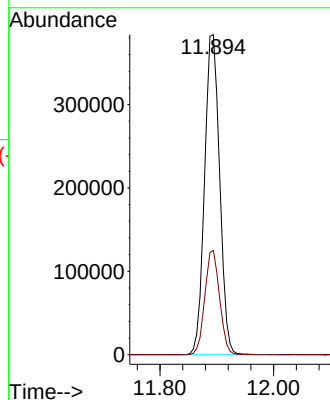
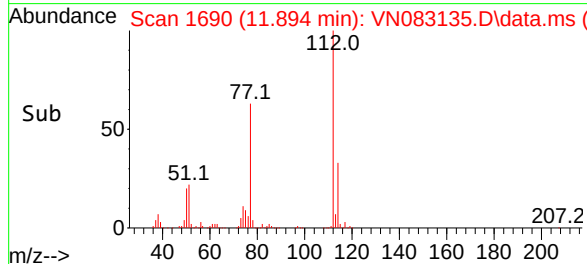
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



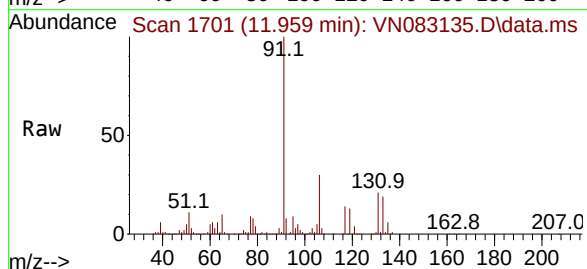
Tgt Ion:112 Resp: 705639
Ion Ratio Lower Upper
112 100
114 32.5 26.2 39.2

Manual Integrations
APPROVED

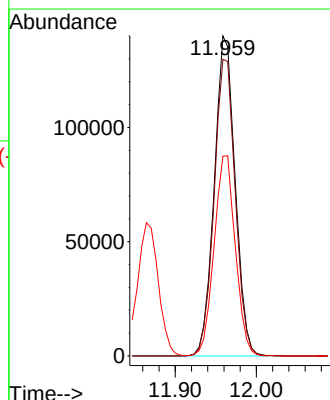
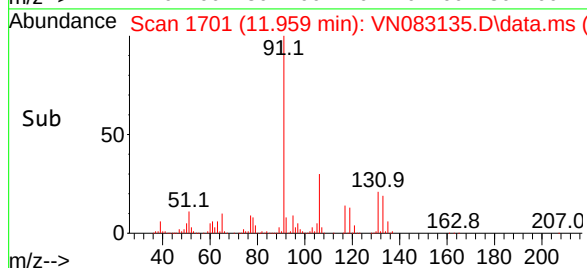
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024

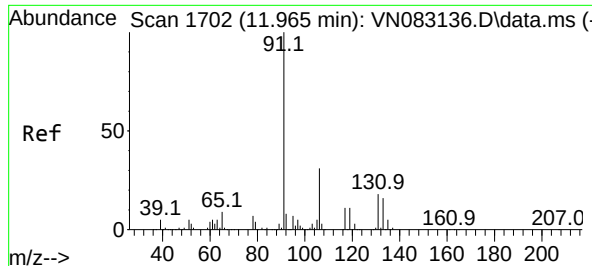


#66
1,1,1,2-Tetrachloroethane
Concen: 97.546 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.006 min
Lab File: VN083135.D
Acq: 07 Aug 2024 10:33



Tgt Ion:131 Resp: 250772
Ion Ratio Lower Upper
131 100
133 93.9 47.3 142.0
119 63.6 32.5 97.4





#67

Ethyl Benzene

Concen: 97.041 ug/l

RT: 11.965 min Scan# 1702

Delta R.T. -0.000 min

Lab File: VN083135.D

Acq: 07 Aug 2024 10:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion: 91 Resp: 129763

Ion Ratio Lower Upper

91 100

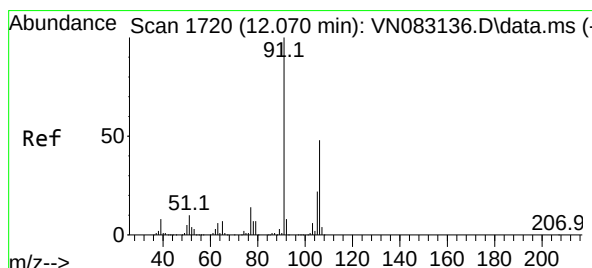
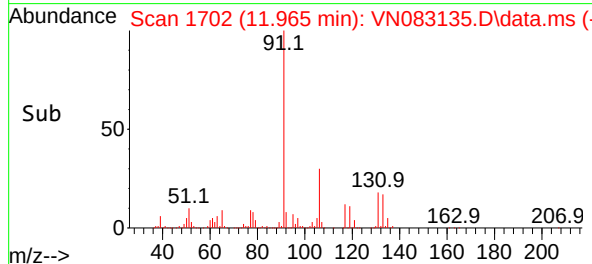
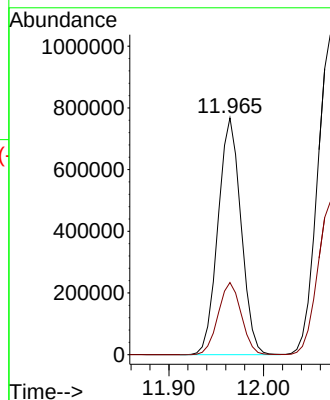
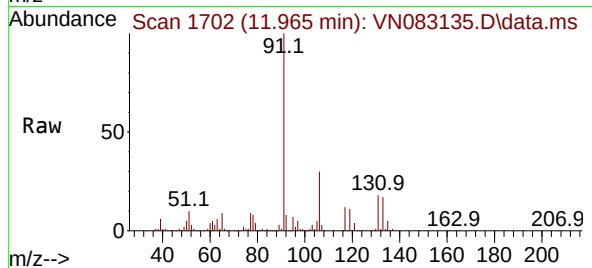
106 30.5 24.0 36.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#68

m/p-Xylenes

Concen: 196.641 ug/l

RT: 12.070 min Scan# 1720

Delta R.T. -0.000 min

Lab File: VN083135.D

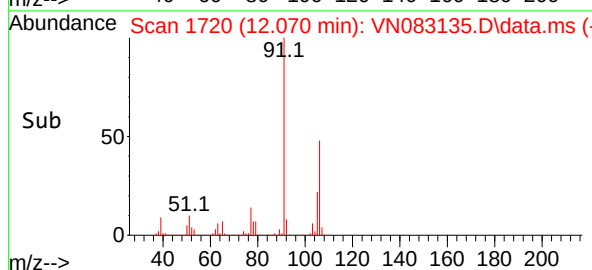
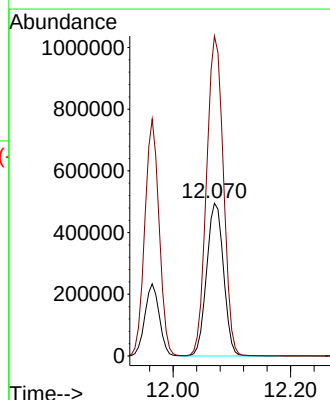
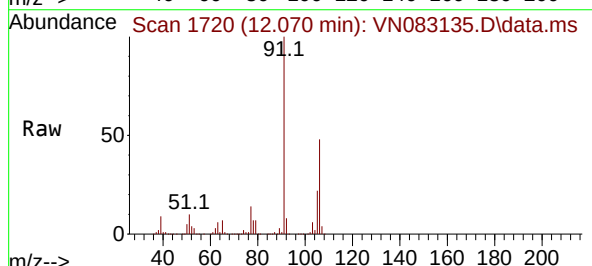
Acq: 07 Aug 2024 10:33

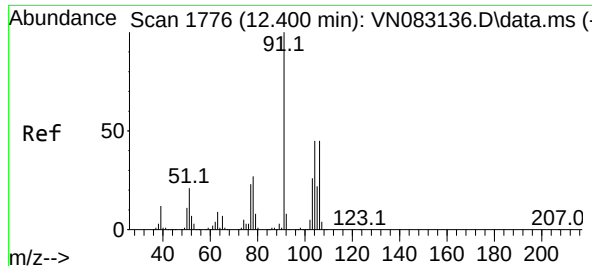
Tgt Ion:106 Resp: 984984

Ion Ratio Lower Upper

106 100

91 208.8 166.1 249.1





#69

o-Xylene

Concen: 98.107 ug/l

RT: 12.400 min Scan# 1776

Delta R.T. -0.000 min

Lab File: VN083135.D

Acq: 07 Aug 2024 10:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion:106 Resp: 48467

Ion Ratio Lower Upper

106 100

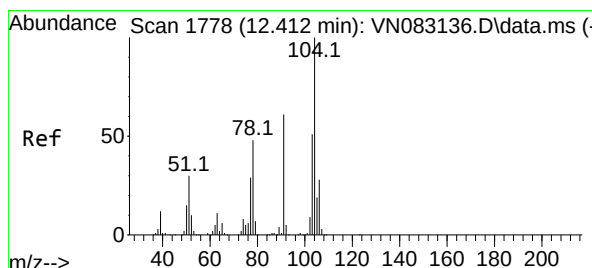
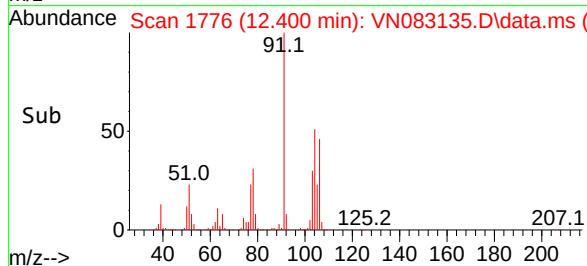
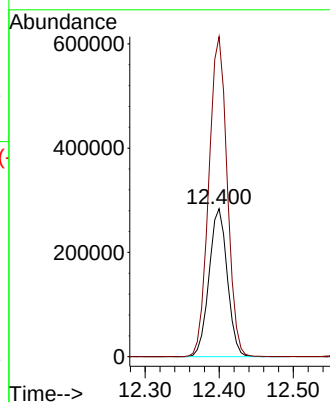
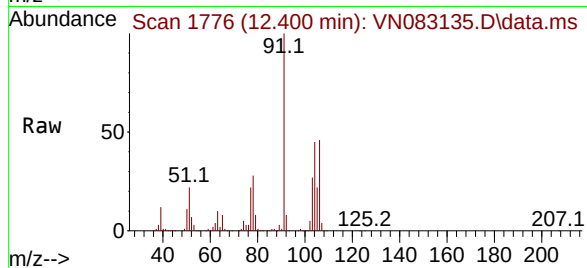
91 218.1 111.3 333.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#70

Styrene

Concen: 100.261 ug/l

RT: 12.412 min Scan# 1778

Delta R.T. -0.000 min

Lab File: VN083135.D

Acq: 07 Aug 2024 10:33

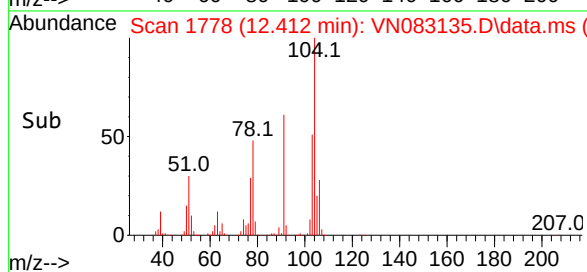
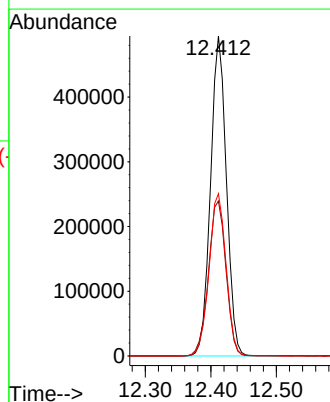
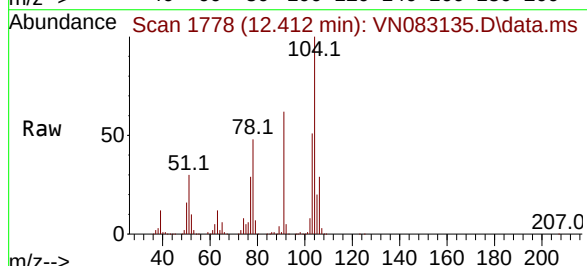
Tgt Ion:104 Resp: 831903

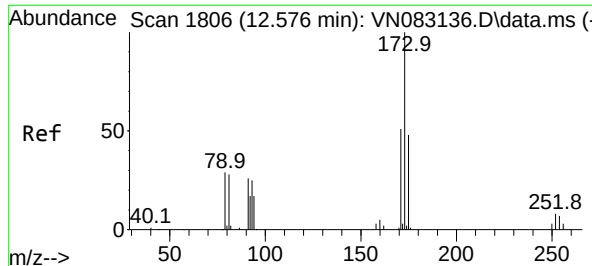
Ion Ratio Lower Upper

104 100

78 53.5 41.6 62.4

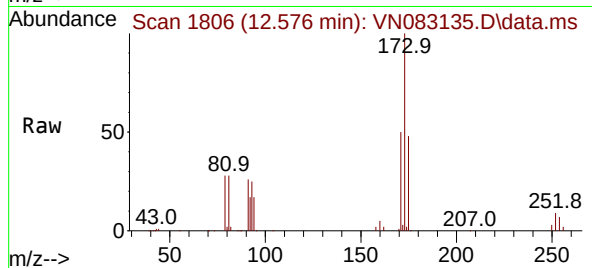
103 54.4 44.0 66.0





#71
Bromoform
Concen: 104.942 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VN083135.D
Acq: 07 Aug 2024 10:33

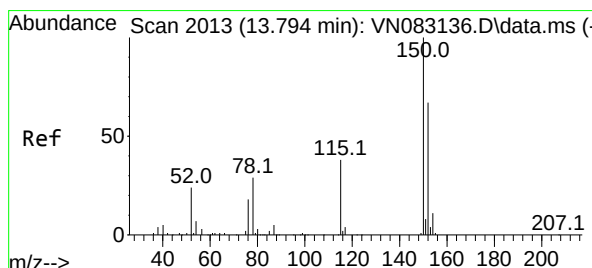
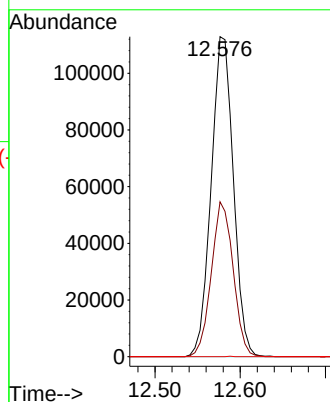
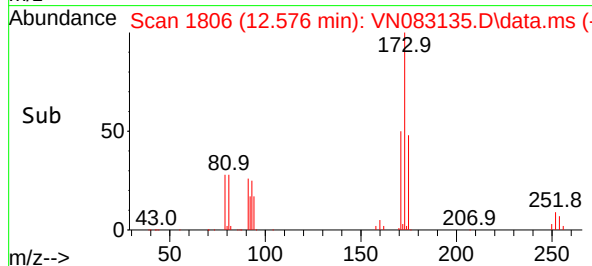
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



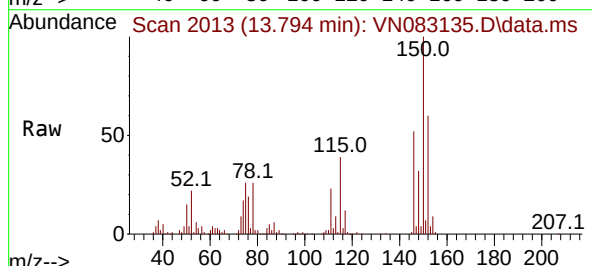
Tgt Ion:173 Resp: 204380
Ion Ratio Lower Upper
173 100
175 47.6 24.0 72.0
254 0.0 0.0 0.0

Manual Integrations
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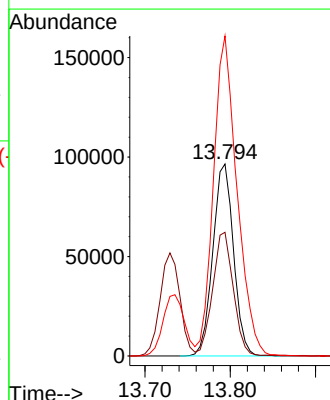
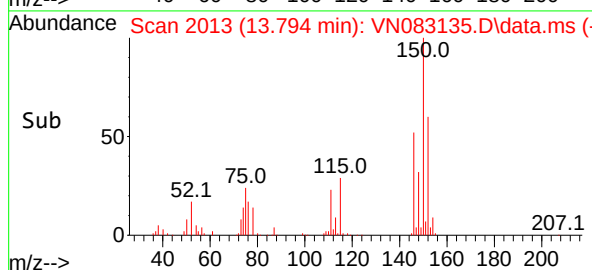
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024

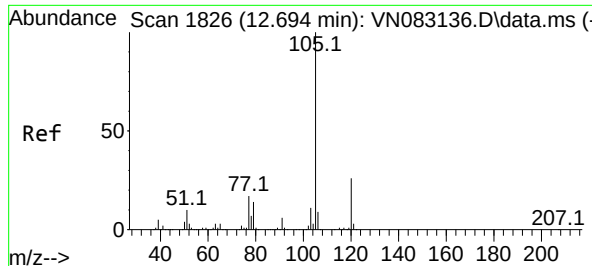


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN083135.D
Acq: 07 Aug 2024 10:33



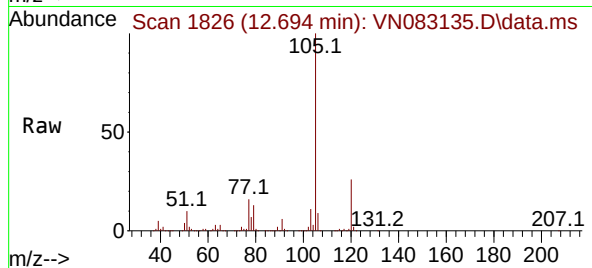
Tgt Ion:152 Resp: 162834
Ion Ratio Lower Upper
152 100
115 63.9 30.6 91.6
150 189.9 0.0 348.6





#73
Isopropylbenzene
Concen: 91.399 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN083135.D
Acq: 07 Aug 2024 10:33

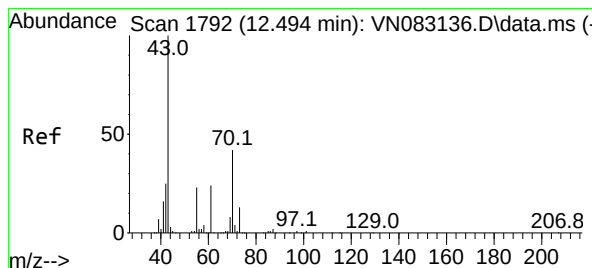
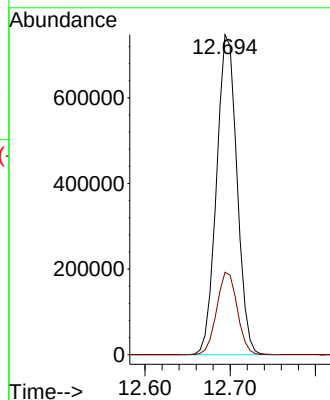
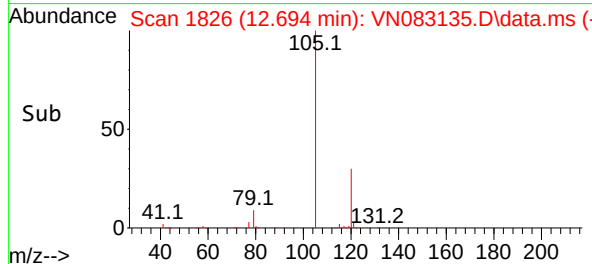
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



Tgt Ion:105 Resp: 1244849
Ion Ratio Lower Upper
105 100
120 25.9 12.9 38.6

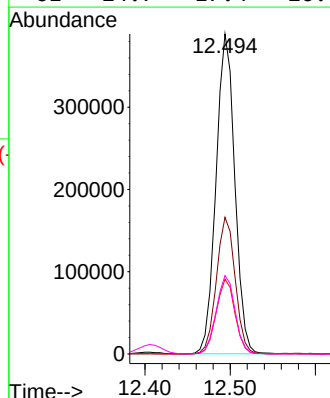
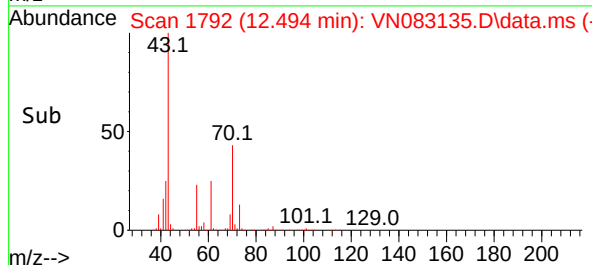
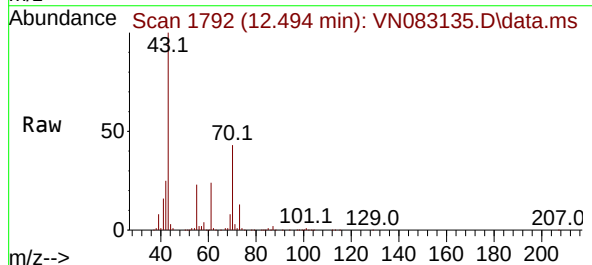
Manual Integrations
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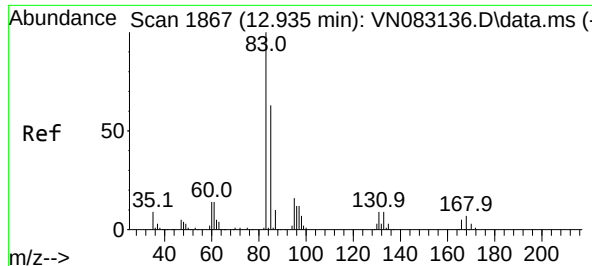
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#74
N-ethyl acetate
Concen: 89.282 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN083135.D
Acq: 07 Aug 2024 10:33

Tgt Ion: 43 Resp: 594797
Ion Ratio Lower Upper
43 100
70 42.7 29.8 44.6
55 23.4 18.7 28.1
61 24.7 17.4 26.0





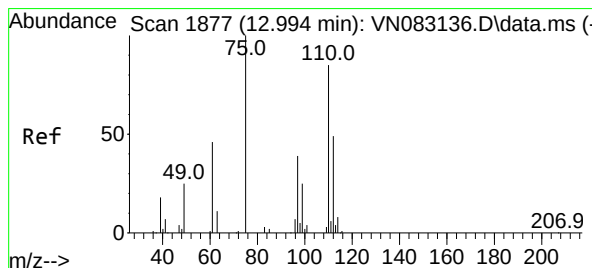
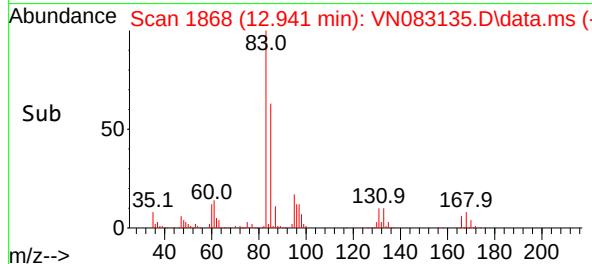
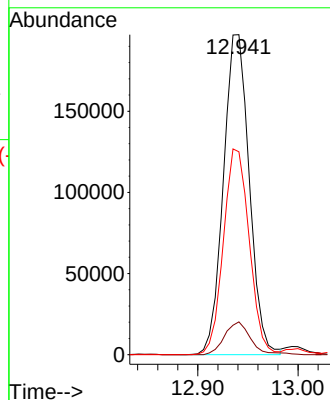
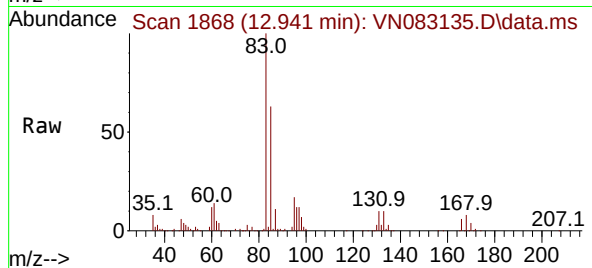
#75
1,1,2,2-Tetrachloroethane
Concen: 91.727 ug/l
RT: 12.941 min Scan# 1868
Delta R.T. 0.006 min
Lab File: VN083135.D
Acq: 07 Aug 2024 10:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 353340
Ion Ratio Lower Upper
83 100
131 10.3 5.0 14.9
85 64.2 31.9 95.7

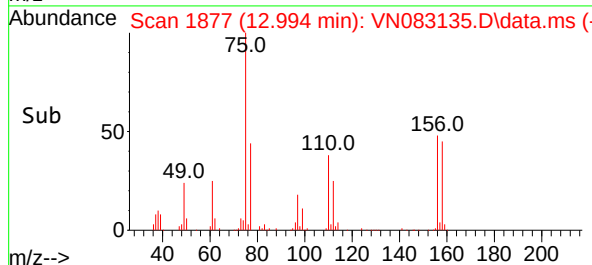
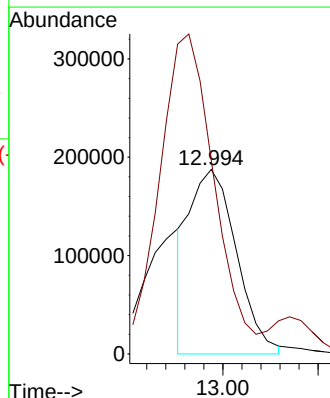
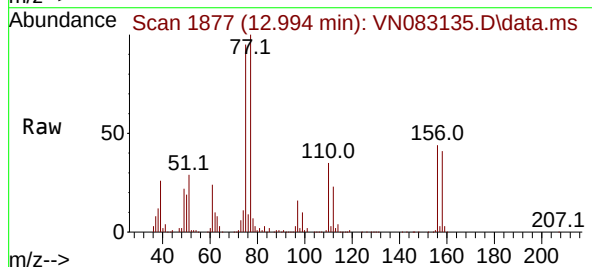
Manual Integrations
APPROVED

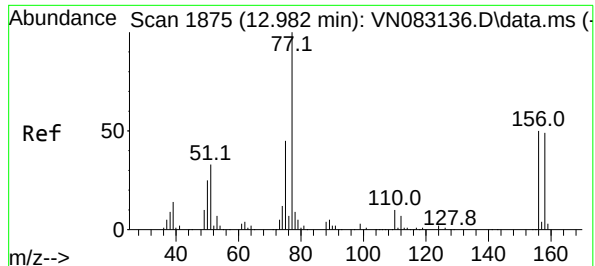
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#76
1,2,3-Trichloropropane
Concen: 89.478 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. -0.000 min
Lab File: VN083135.D
Acq: 07 Aug 2024 10:33

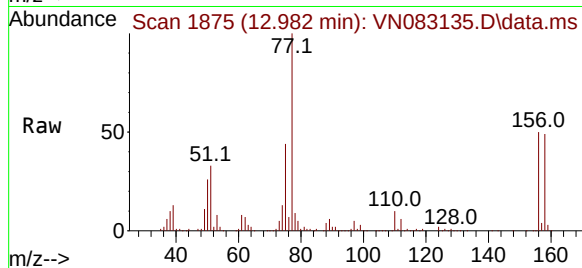
Tgt Ion: 75 Resp: 320302
Ion Ratio Lower Upper
75 100
77 203.7 110.9 332.6





#77
Bromobenzene
Concen: 93.431 ug/l
RT: 12.982 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VN083135.D
Acq: 07 Aug 2024 10:33

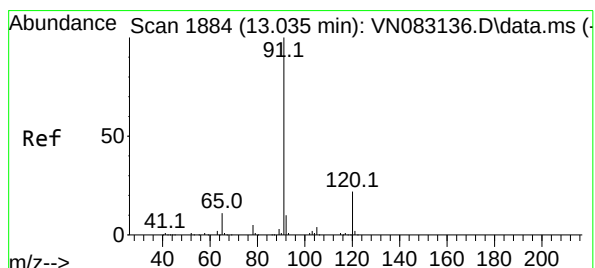
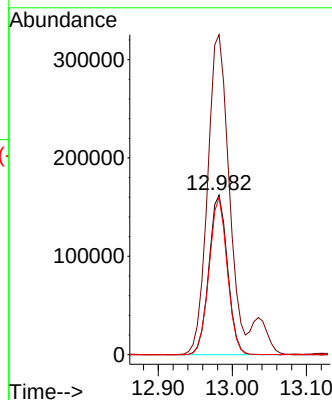
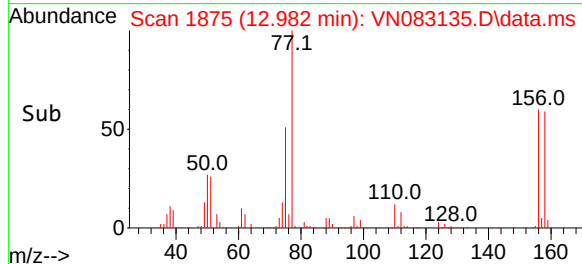
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



Tgt Ion:156 Resp: 282670
Ion Ratio Lower Upper
156 100
77 230.9 111.3 333.8
158 96.4 48.3 144.9

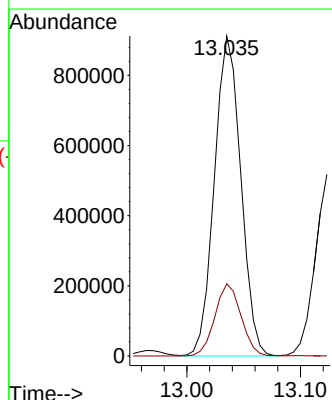
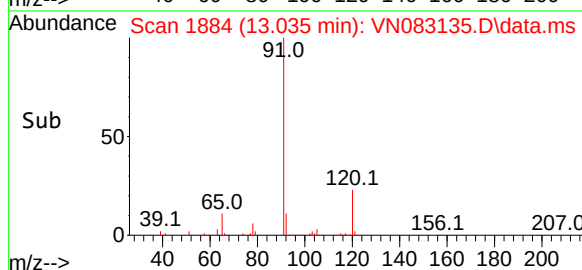
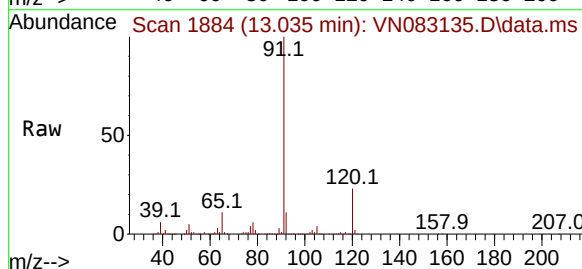
Manual Integrations
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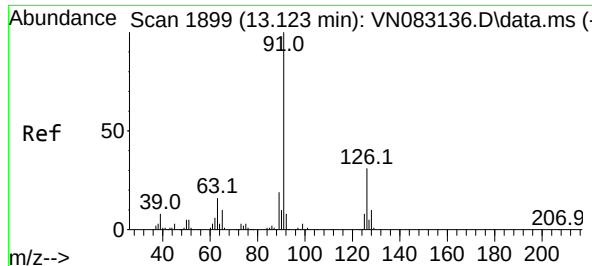
Reviewed By :John Carbone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#78
n-propylbenzene
Concen: 93.979 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN083135.D
Acq: 07 Aug 2024 10:33

Tgt Ion: 91 Resp: 1473868
Ion Ratio Lower Upper
91 100
120 22.3 10.9 32.9





#79

2-Chlorotoluene

Concen: 91.785 ug/l

RT: 13.123 min Scan# 1899

Delta R.T. -0.000 min

Lab File: VN083135.D

Acq: 07 Aug 2024 10:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion: 91 Resp: 912618

Ion Ratio Lower Upper

91 100

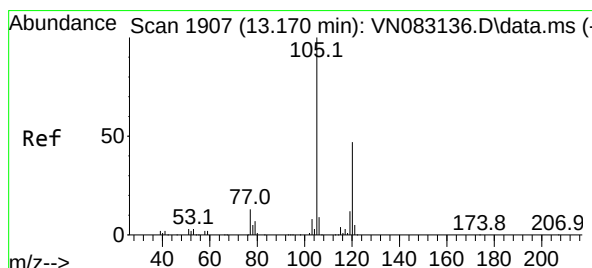
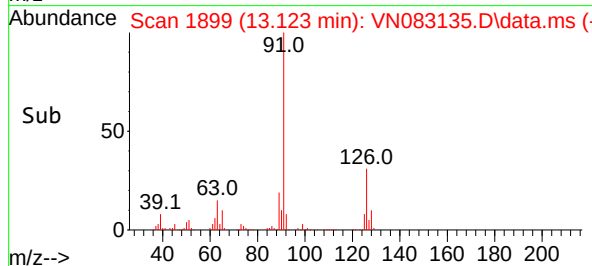
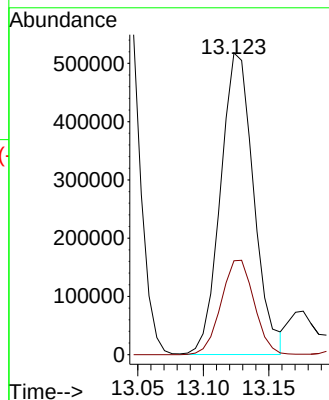
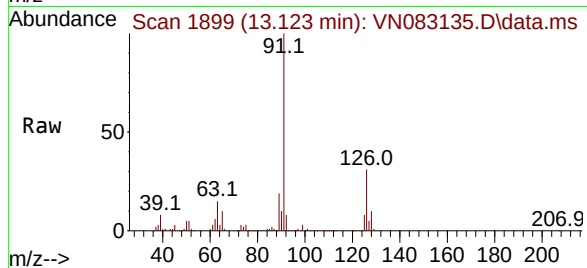
126 31.1 16.2 48.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#80

1,3,5-Trimethylbenzene

Concen: 92.690 ug/l

RT: 13.170 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VN083135.D

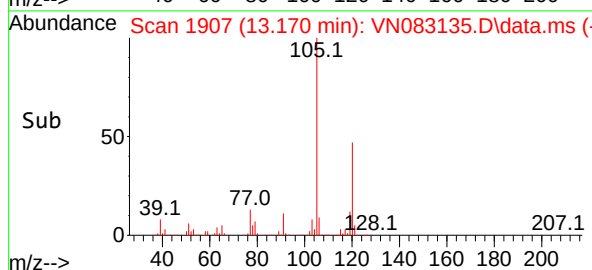
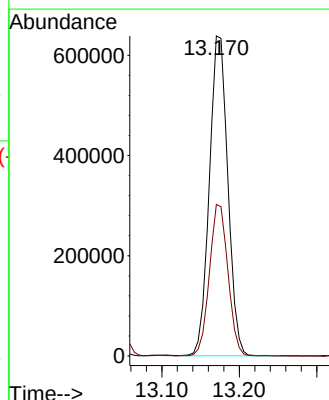
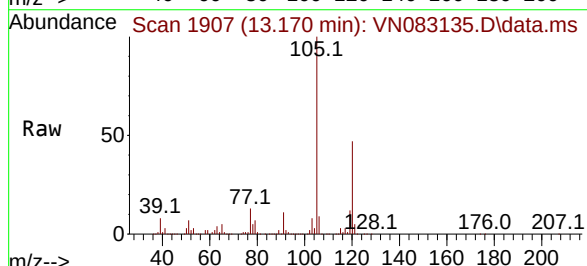
Acq: 07 Aug 2024 10:33

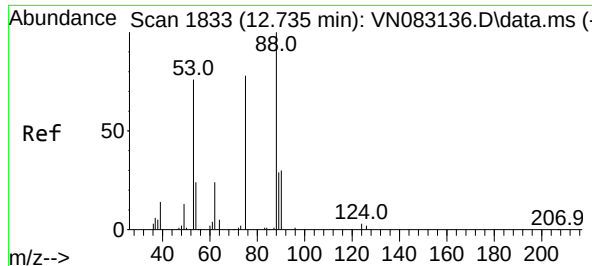
Tgt Ion:105 Resp: 1056912

Ion Ratio Lower Upper

105 100

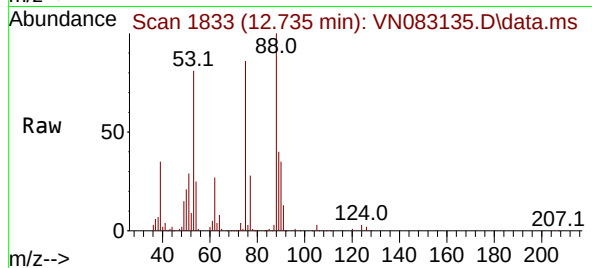
120 47.4 24.3 72.8





#81
trans-1,4-Dichloro-2-butene
Concen: 100.628 ug/l
RT: 12.735 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN083135.D
Acq: 07 Aug 2024 10:33

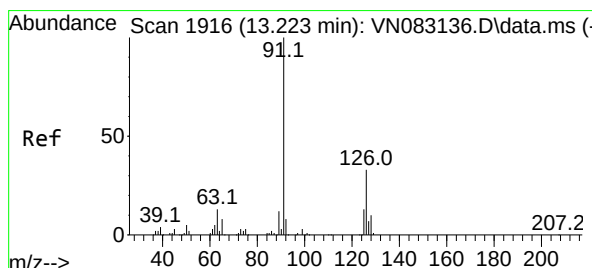
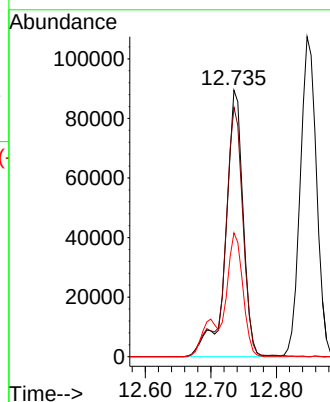
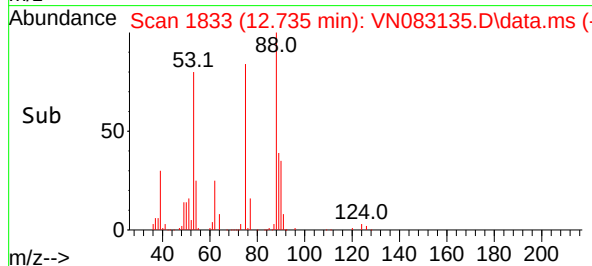
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



Tgt Ion: 75 Resp: 165320
Ion Ratio Lower Upper
75 100
53 96.5 88.4 132.6
89 41.9 36.3 54.5

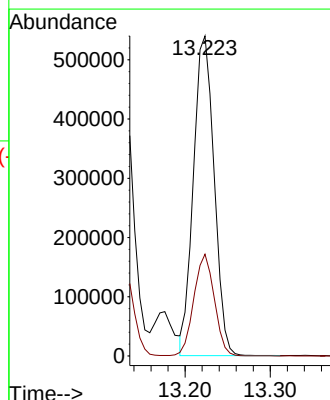
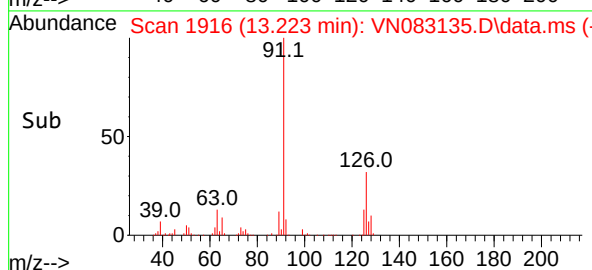
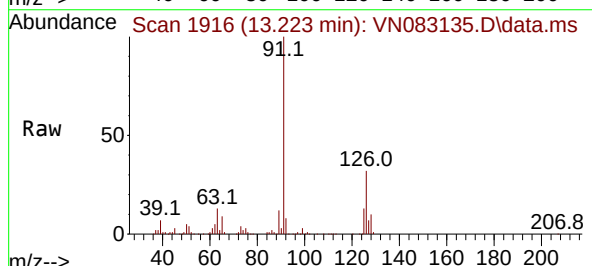
Manual Integrations
APPROVED

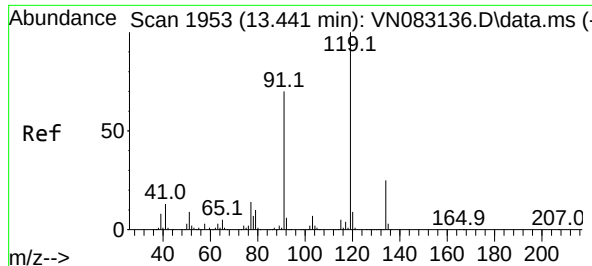
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#82
4-Chlorotoluene
Concen: 91.381 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. -0.000 min
Lab File: VN083135.D
Acq: 07 Aug 2024 10:33

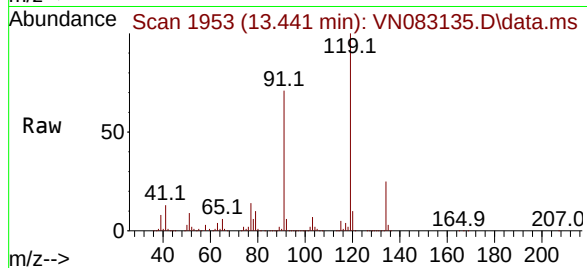
Tgt Ion: 91 Resp: 911384
Ion Ratio Lower Upper
91 100
126 31.4 16.2 48.6





#83
tert-Butylbenzene
Concen: 91.918 ug/l
RT: 13.441 min Scan# 1953
Delta R.T. -0.000 min
Lab File: VN083135.D
Acq: 07 Aug 2024 10:33

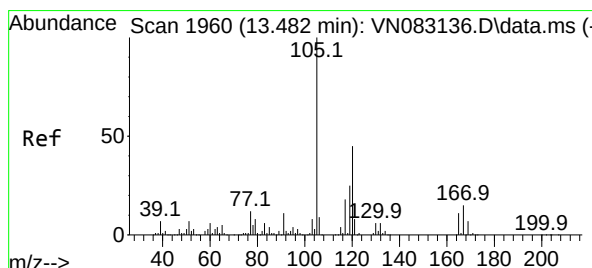
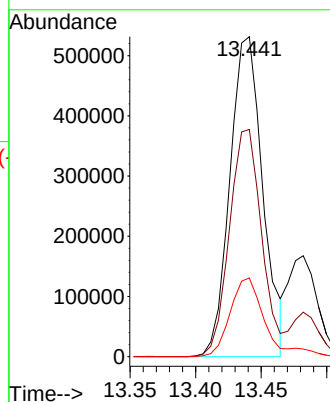
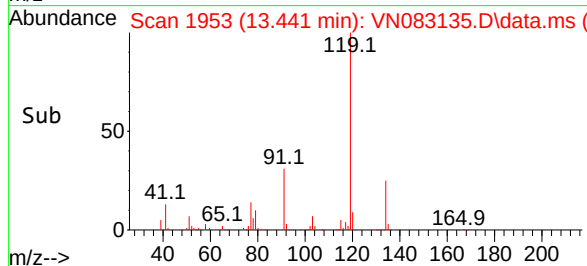
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



Tgt Ion:119 Resp: 92819
Ion Ratio Lower Upper
119 100
91 69.3 35.0 105.1
134 26.1 13.3 39.8

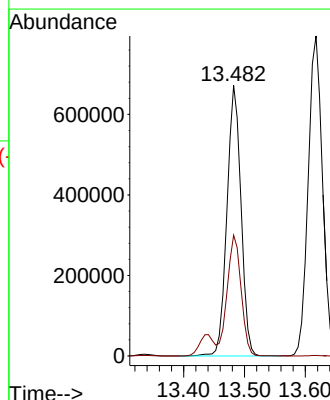
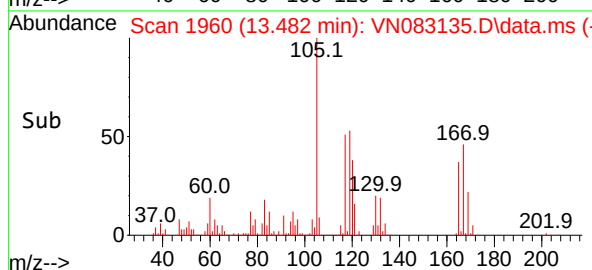
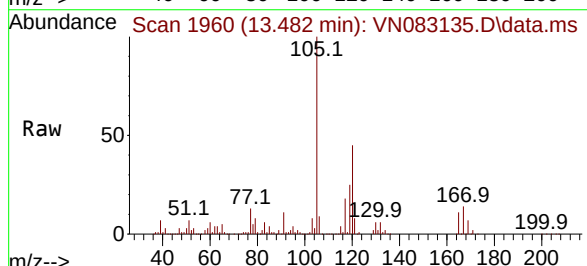
Manual Integrations
APPROVED

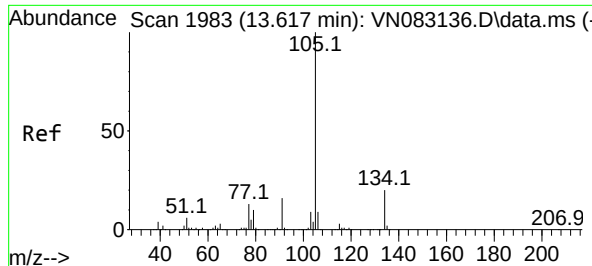
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#84
1,2,4-Trimethylbenzene
Concen: 93.675 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN083135.D
Acq: 07 Aug 2024 10:33

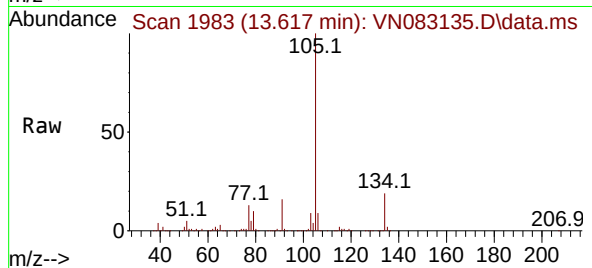
Tgt Ion:105 Resp: 1076449
Ion Ratio Lower Upper
105 100
120 44.4 21.9 65.8





#85
sec-Butylbenzene
Concen: 93.978 ug/l
RT: 13.617 min Scan# 1983
Delta R.T. -0.000 min
Lab File: VN083135.D
Acq: 07 Aug 2024 10:33

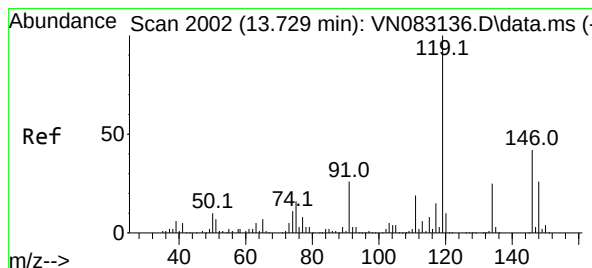
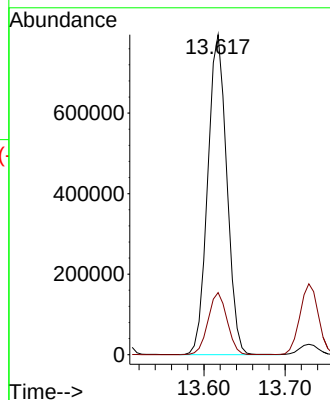
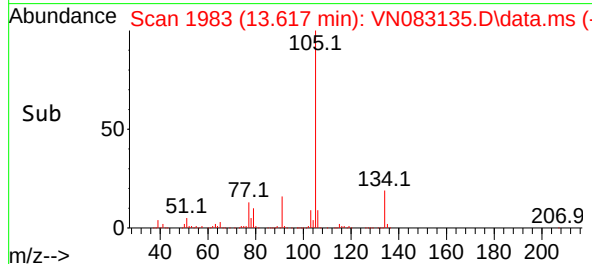
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



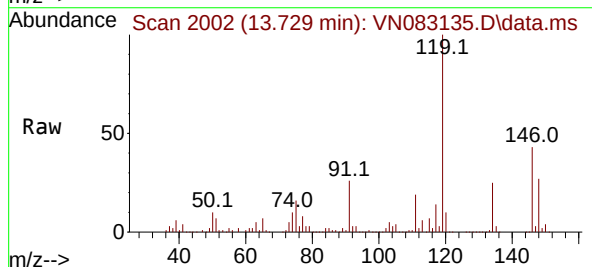
Tgt Ion:105 Resp: 1294900
Ion Ratio Lower Upper
105 100
134 19.4 9.8 29.3

Manual Integrations
APPROVED

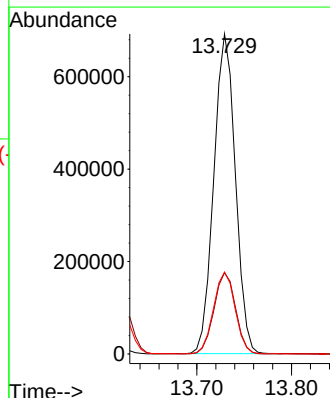
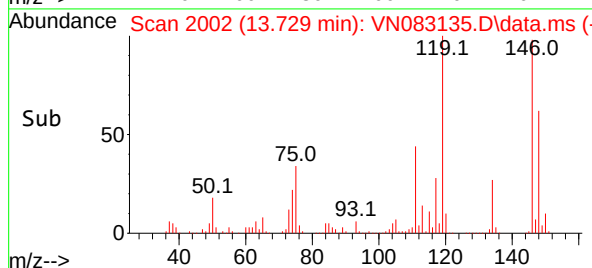
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024

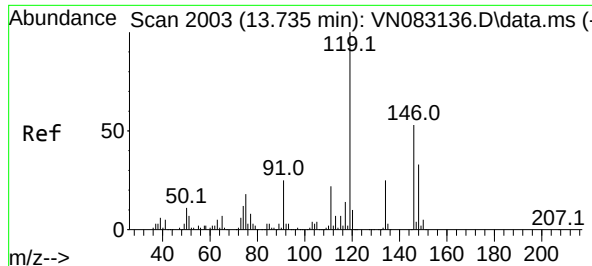


#86
p-Isopropyltoluene
Concen: 96.022 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN083135.D
Acq: 07 Aug 2024 10:33



Tgt Ion:119 Resp: 1092439
Ion Ratio Lower Upper
119 100
134 25.5 13.0 39.0
91 25.5 12.3 36.9





#87

1,3-Dichlorobenzene

Concen: 94.009 ug/l

RT: 13.735 min Scan# 2003

Delta R.T. -0.000 min

Lab File: VN083135.D

Acq: 07 Aug 2024 10:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion:146 Resp: 53519

Ion Ratio Lower Upper

146 100

111 43.5 20.6 61.9

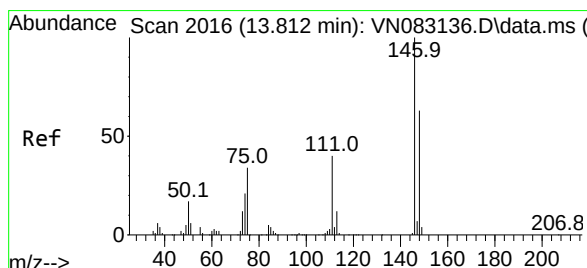
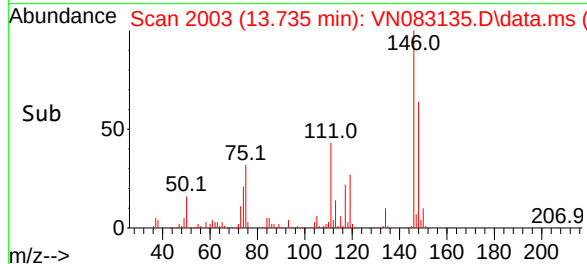
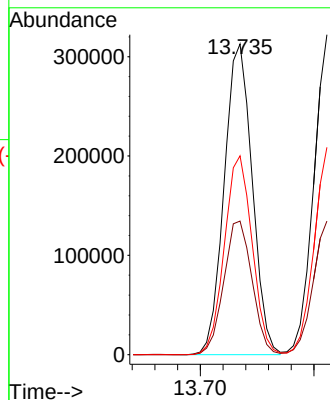
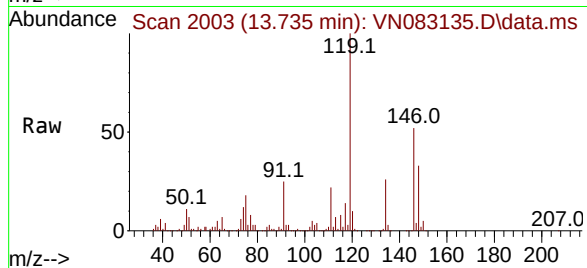
148 63.6 31.8 95.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#88

1,4-Dichlorobenzene

Concen: 93.900 ug/l

RT: 13.811 min Scan# 2016

Delta R.T. -0.000 min

Lab File: VN083135.D

Acq: 07 Aug 2024 10:33

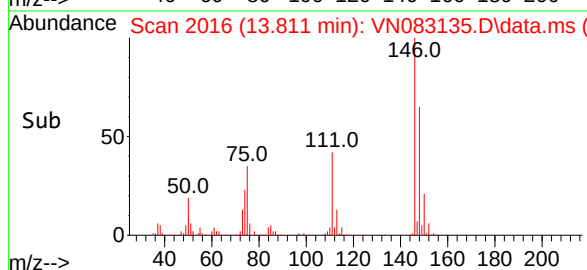
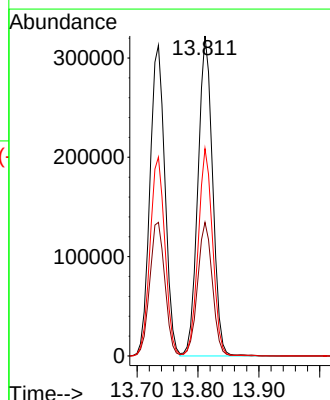
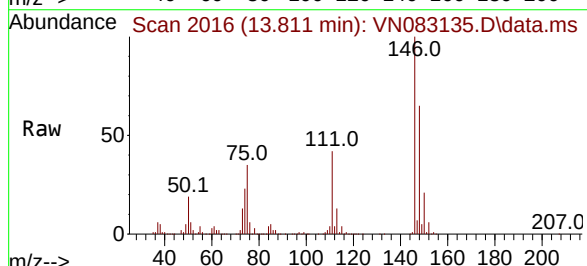
Tgt Ion:146 Resp: 538924

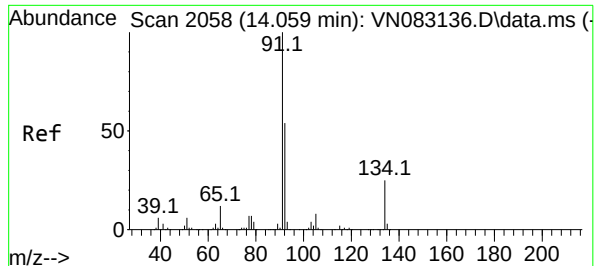
Ion Ratio Lower Upper

146 100

111 41.5 20.1 60.3

148 63.6 32.2 96.6





#89

n-Butylbenzene

Concen: 99.461 ug/l

RT: 14.059 min Scan# 2058

Delta R.T. -0.000 min

Lab File: VN083135.D

Acq: 07 Aug 2024 10:33

Instrument :

MSVOA_N

ClientSampleId :

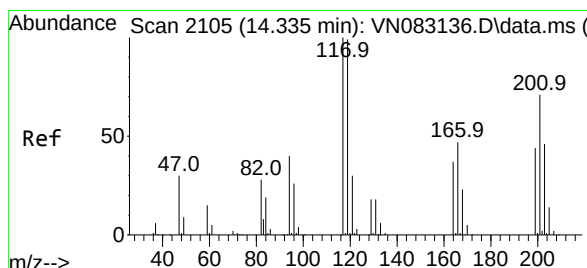
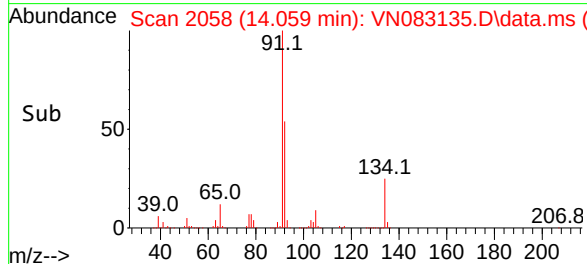
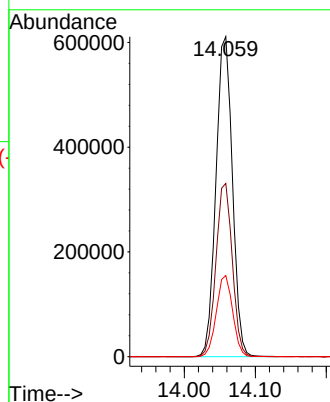
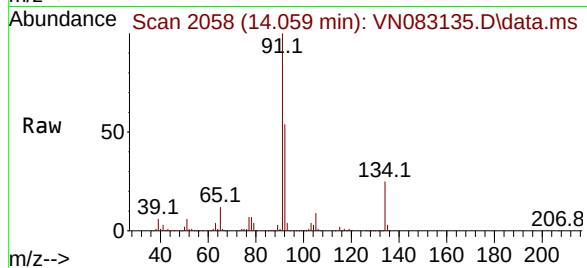
VSTDICC100

Tgt Ion:	91	Resp:	98048
Ion	Ratio	Lower	Upper
91	100		
92	53.8	26.1	78.3
134	25.2	12.1	36.3

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#90

Hexachloroethane

Concen: 96.320 ug/l

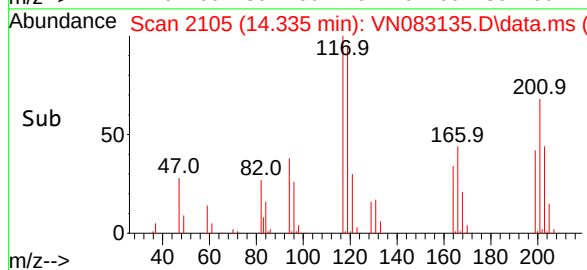
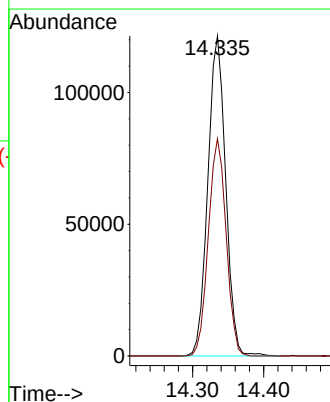
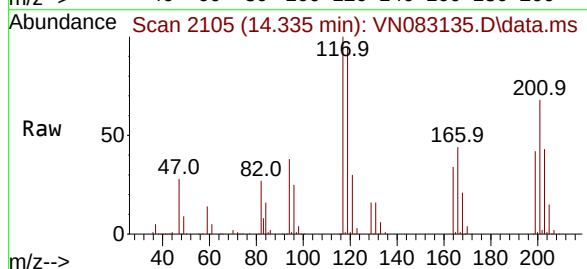
RT: 14.335 min Scan# 2105

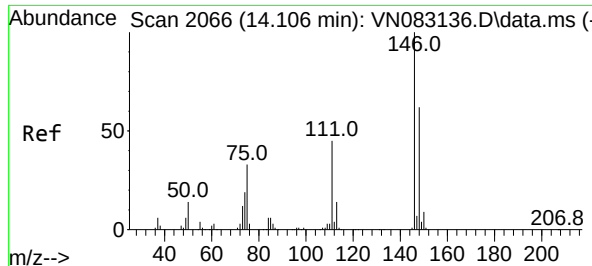
Delta R.T. -0.000 min

Lab File: VN083135.D

Acq: 07 Aug 2024 10:33

Tgt Ion:	117	Resp:	211710
Ion	Ratio	Lower	Upper
117	100		
201	67.7	35.8	107.3





#91

1,2-Dichlorobenzene

Concen: 92.863 ug/l

RT: 14.106 min Scan# 2066

Delta R.T. -0.000 min

Lab File: VN083135.D

Acq: 07 Aug 2024 10:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion:146 Resp: 511584

Ion Ratio Lower Upper

146 100

111 45.4 21.4 64.2

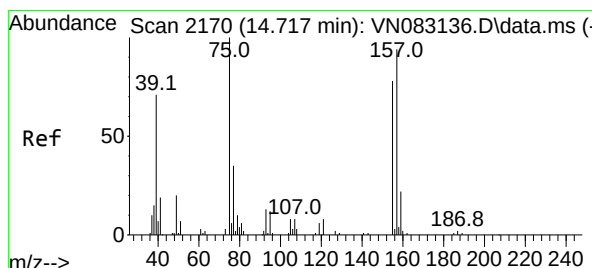
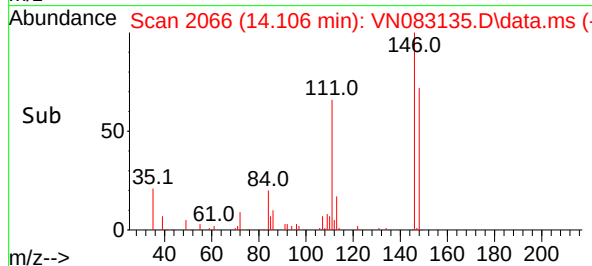
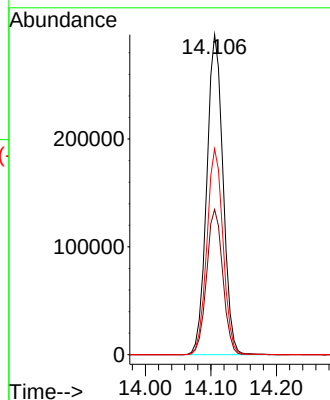
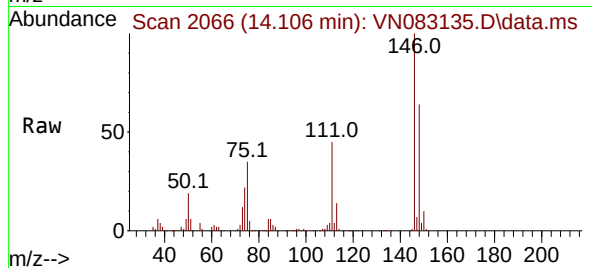
148 63.9 32.1 96.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#92

1,2-Dibromo-3-Chloropropane

Concen: 89.788 ug/l

RT: 14.723 min Scan# 2171

Delta R.T. 0.006 min

Lab File: VN083135.D

Acq: 07 Aug 2024 10:33

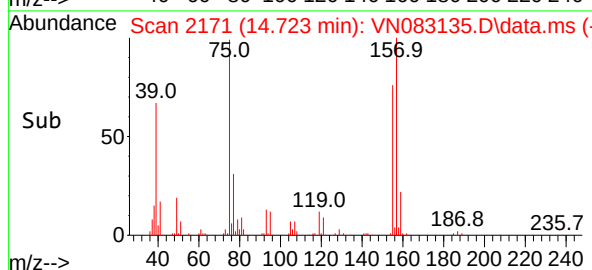
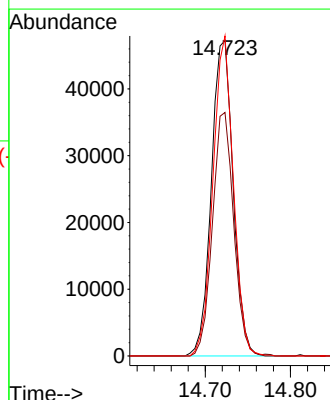
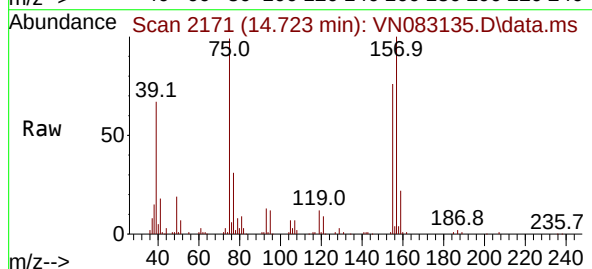
Tgt Ion: 75 Resp: 83930

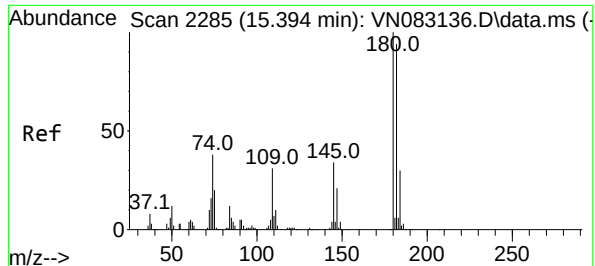
Ion Ratio Lower Upper

75 100

155 75.2 36.6 109.8

157 95.1 46.9 140.6





#93

1,2,4-Trichlorobenzene

Concen: 96.456 ug/l

RT: 15.394 min Scan# 2285

Delta R.T. -0.000 min

Lab File: VN083135.D

Acq: 07 Aug 2024 10:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion:180 Resp: 297699

Ion Ratio Lower Upper

180 100

182 94.1 47.3 141.8

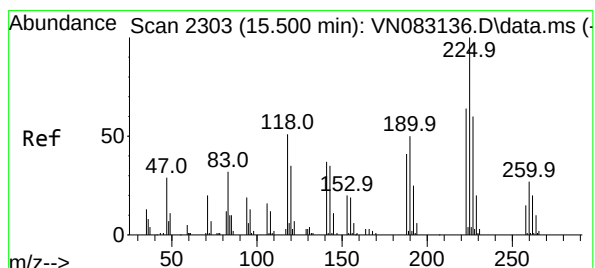
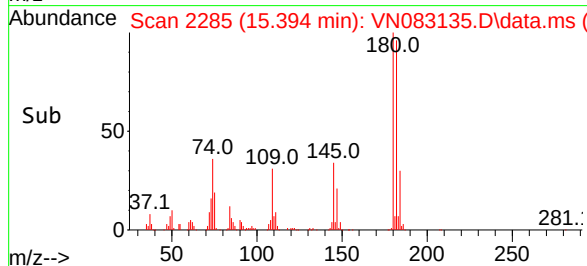
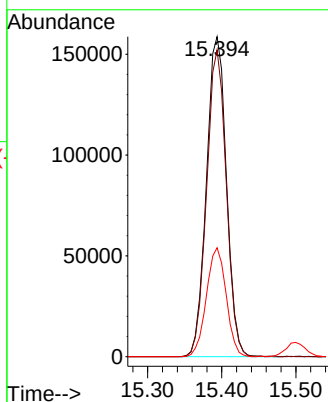
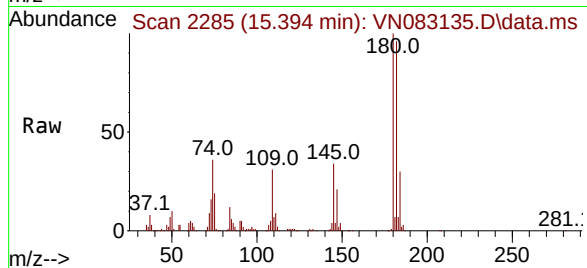
145 33.6 15.7 47.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#94

Hexachlorobutadiene

Concen: 87.268 ug/l

RT: 15.500 min Scan# 2303

Delta R.T. -0.000 min

Lab File: VN083135.D

Acq: 07 Aug 2024 10:33

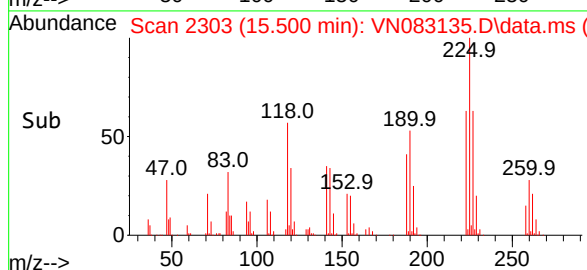
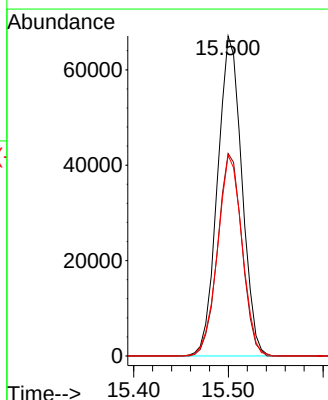
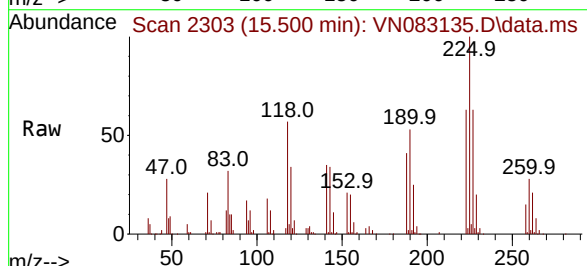
Tgt Ion:225 Resp: 119783

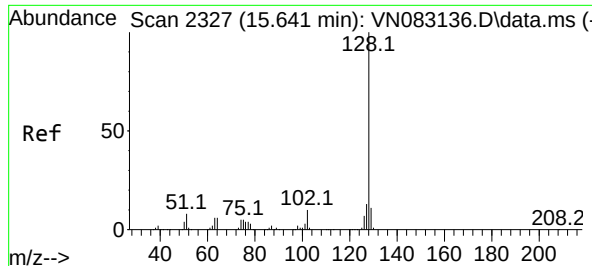
Ion Ratio Lower Upper

225 100

223 63.0 31.9 95.7

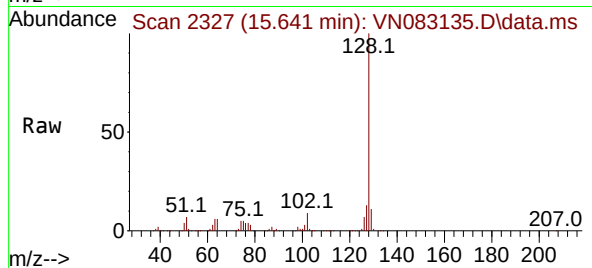
227 63.3 32.5 97.5





#95
Naphthalene
Concen: 95.391 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. -0.000 min
Lab File: VN083135.D
Acq: 07 Aug 2024 10:33

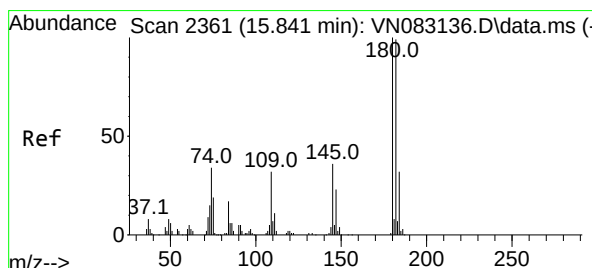
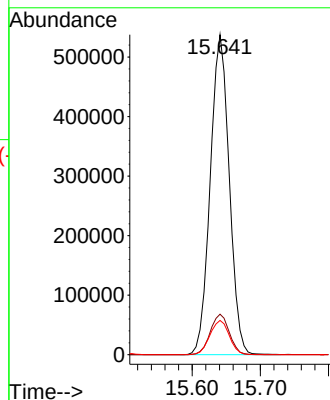
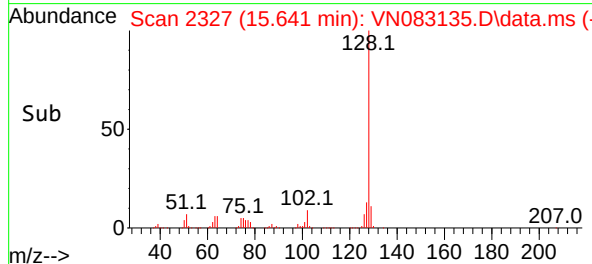
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



Tgt Ion:128 Resp: 1042864
Ion Ratio Lower Upper
128 100
127 12.7 10.6 16.0
129 10.9 8.6 12.8

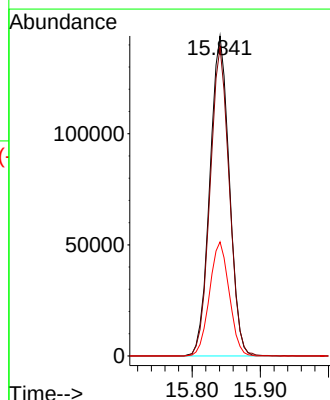
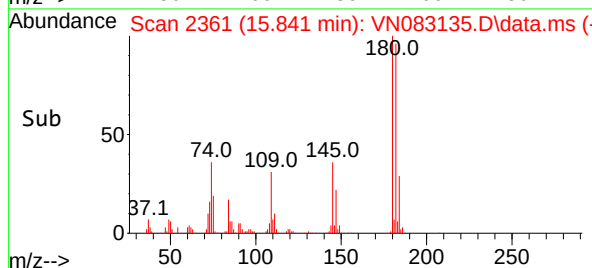
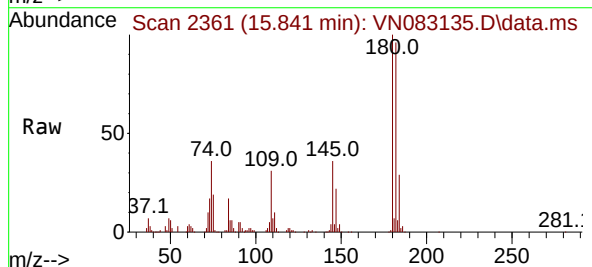
Manual Integrations
APPROVED

Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#96
1,2,3-Trichlorobenzene
Concen: 93.575 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. -0.000 min
Lab File: VN083135.D
Acq: 07 Aug 2024 10:33

Tgt Ion:180 Resp: 285769
Ion Ratio Lower Upper
180 100
182 95.1 48.9 146.8
145 36.0 16.8 50.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080724\
 Data File : VN083136.D
 Acq On : 07 Aug 2024 10:58
 Operator : JC\MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Quant Time: Aug 08 06:15:41 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 08 05:50:26 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 08/08/2024
 Supervised By : Mahesh Dadoda 08/09/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	204914	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	348813	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	303118	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	143466	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	152684	52.348	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.700%			
35) Dibromofluoromethane	8.165	113	115863	53.216	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.440%			
50) Toluene-d8	10.565	98	439976	54.174	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 108.340%			
62) 4-Bromofluorobenzene	12.847	95	171524	54.173	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 108.340%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	116913	50.312	ug/l	97
3) Chloromethane	2.359	50	121130	50.915	ug/l	93
4) Vinyl Chloride	2.512	62	122548	50.482	ug/l	98
5) Bromomethane	2.948	94	73113	48.538	ug/l	95
6) Chloroethane	3.112	64	72966	48.043	ug/l	98
7) Trichlorofluoromethane	3.495	101	203848	50.832	ug/l	98
8) Diethyl Ether	3.959	74	75087	50.318	ug/l	84
9) 1,1,2-Trichlorotrifluo...	4.365	101	112201	50.747	ug/l	98
10) Methyl Iodide	4.589	142	151731	52.170	ug/l	96
11) Tert butyl alcohol	5.530	59	150267	247.904	ug/l	100
12) 1,1-Dichloroethene	4.342	96	111564	49.114	ug/l	87
13) Acrolein	4.183	56	104276	263.954	ug/l	98
14) Allyl chloride	5.018	41	191195	44.541	ug/l	93
15) Acrylonitrile	5.718	53	313090	251.149	ug/l	98
16) Acetone	4.430	43	293091	256.804	ug/l	97
17) Carbon Disulfide	4.712	76	319654	48.094	ug/l	98
18) Methyl Acetate	5.024	43	159022	46.765	ug/l	91
19) Methyl tert-butyl Ether	5.794	73	415489	50.676	ug/l	97
20) Methylene Chloride	5.277	84	122780	46.744	ug/l	85
21) trans-1,2-Dichloroethene	5.794	96	117685	50.127	ug/l	85
22) Diisopropyl ether	6.671	45	411409	50.987	ug/l	96
23) Vinyl Acetate	6.606	43	2147591m	259.716	ug/l	
24) 1,1-Dichloroethane	6.571	63	222071	50.493	ug/l	99
25) 2-Butanone	7.483	43	437392	249.591	ug/l	91
26) 2,2-Dichloropropane	7.488	77	209679	51.336	ug/l	97
27) cis-1,2-Dichloroethene	7.488	96	141110	49.809	ug/l	92
28) Bromochloromethane	7.812	49	89942	50.041	ug/l #	83
29) Tetrahydrofuran	7.835	42	285853	252.334	ug/l	88
30) Chloroform	7.965	83	232933	50.978	ug/l	99
31) Cyclohexane	8.259	56	201273	46.565	ug/l	96
32) 1,1,1-Trichloroethane	8.171	97	220296	50.935	ug/l	95
36) 1,1-Dichloropropene	8.371	75	165826	50.349	ug/l	99
37) Ethyl Acetate	7.559	43	174105	47.213	ug/l #	92
38) Carbon Tetrachloride	8.359	117	190357	51.315	ug/l	97
39) Methylcyclohexane	9.600	83	208177	51.461	ug/l	93
40) Benzene	8.606	78	504662	51.436	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080724\
Data File : VN083136.D
Acq On : 07 Aug 2024 10:58
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024

Quant Time: Aug 08 06:15:41 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 08 05:50:26 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	98869	47.154	ug/l	94
42) 1,2-Dichloroethane	8.671	62	181440	50.765	ug/l	98
43) Isopropyl Acetate	8.688	43	321088	50.219	ug/l #	93
44) Trichloroethene	9.353	130	119998	51.383	ug/l	94
45) 1,2-Dichloropropane	9.624	63	120518	51.747	ug/l	97
46) Dibromomethane	9.712	93	87411	52.436	ug/l	99
47) Bromodichloromethane	9.888	83	188069	50.245	ug/l	99
48) Methyl methacrylate	9.682	41	148264	48.631	ug/l	91
49) 1,4-Dioxane	9.694	88	57033	1036.917	ug/l	95
51) 4-Methyl-2-Pentanone	10.447	43	901412	258.493	ug/l	92
52) Toluene	10.629	92	323148	52.127	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	208411	54.205	ug/l	100
54) cis-1,3-Dichloropropene	10.312	75	211396	51.692	ug/l	91
55) 1,1,2-Trichloroethane	11.018	97	116384	52.387	ug/l	99
56) Ethyl methacrylate	10.876	69	217635	51.964	ug/l #	85
57) 1,3-Dichloropropane	11.165	76	206442	52.133	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	454871	256.939	ug/l	95
59) 2-Hexanone	11.194	43	691708	256.396	ug/l	92
60) Dibromochloromethane	11.359	129	144208	53.688	ug/l	99
61) 1,2-Dibromoethane	11.471	107	121153	51.912	ug/l	98
64) Tetrachloroethene	11.106	164	103955	51.784	ug/l	96
65) Chlorobenzene	11.894	112	346172	51.679	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.965	131	121057	51.242	ug/l	100
67) Ethyl Benzene	11.965	91	628906	51.179	ug/l	98
68) m/p-Xylenes	12.070	106	477261	103.683	ug/l	99
69) o-Xylene	12.400	106	234432	51.638	ug/l	100
70) Styrene	12.412	104	405002	53.115	ug/l	98
71) Bromoform	12.576	173	96377	53.850	ug/l #	99
73) Isopropylbenzene	12.694	105	609529	50.795	ug/l	100
74) N-amyl acetate	12.494	43	287319	48.950	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.935	83	167489	49.349	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	152531m	48.363	ug/l	
77) Bromobenzene	12.982	156	137514	51.587	ug/l	97
78) n-propylbenzene	13.035	91	712768	51.584	ug/l	99
79) 2-Chlorotoluene	13.123	91	441262	50.371	ug/l	98
80) 1,3,5-Trimethylbenzene	13.170	105	514918	51.254	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	70776	48.894	ug/l	89
82) 4-Chlorotoluene	13.223	91	445369	50.684	ug/l	99
83) tert-Butylbenzene	13.441	119	453597	50.983	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	524226	51.778	ug/l	100
85) sec-Butylbenzene	13.617	105	628959	51.809	ug/l	100
86) p-Isopropyltoluene	13.729	119	528236	52.699	ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	254058	50.651	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	255814	50.589	ug/l	99
89) n-Butylbenzene	14.059	91	461372	53.120	ug/l	97
90) Hexachloroethane	14.335	117	98836	51.037	ug/l	98
91) 1,2-Dichlorobenzene	14.106	146	244462	50.365	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	40369	49.017	ug/l	98
93) 1,2,4-Trichlorobenzene	15.394	180	141229	51.937	ug/l	99
94) Hexachlorobutadiene	15.500	225	58664	48.509	ug/l	98
95) Naphthalene	15.641	128	499372	51.844	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	138125	51.335	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080724\
Data File : VN083136.D
Acq On : 07 Aug 2024 10:58
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024

Quant Time: Aug 08 06:15:41 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 08 05:50:26 2024
Response via : Initial Calibration

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

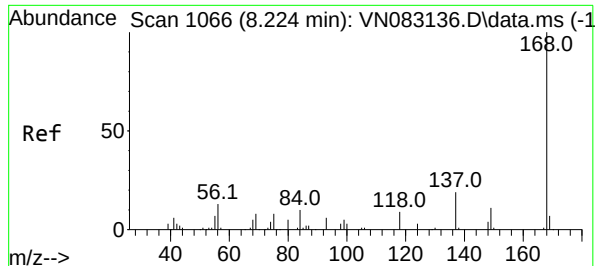
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

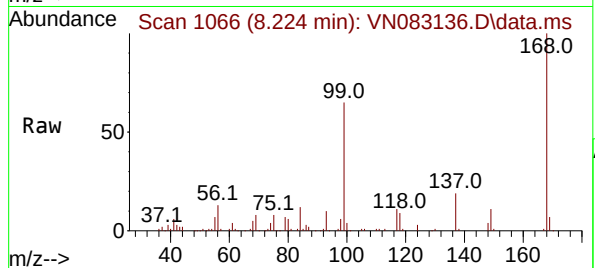
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083136.D
Acq: 07 Aug 2024 10:58

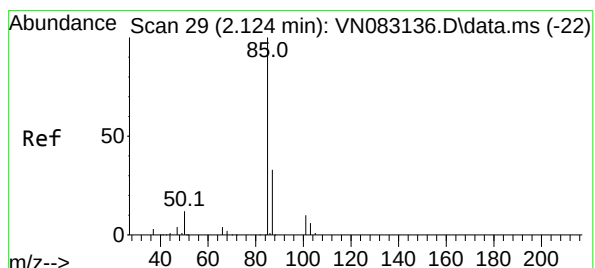
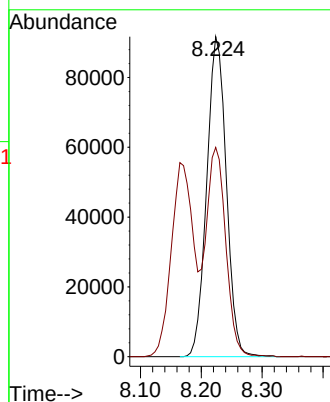
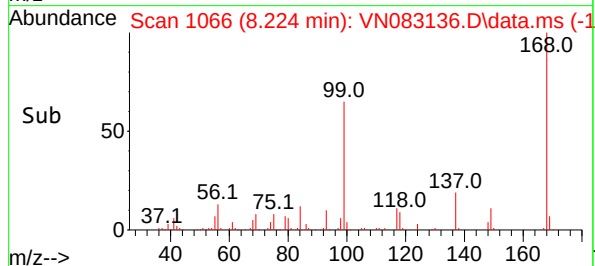
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050



Tgt Ion:168 Resp: 204914
Ion Ratio Lower Upper
168 100
99 65.4 48.2 72.4

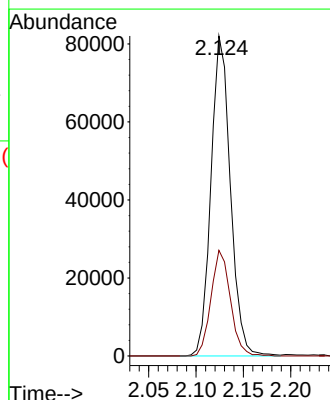
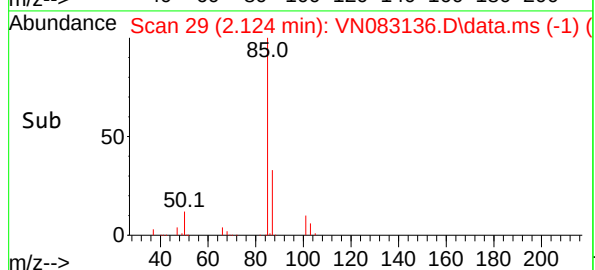
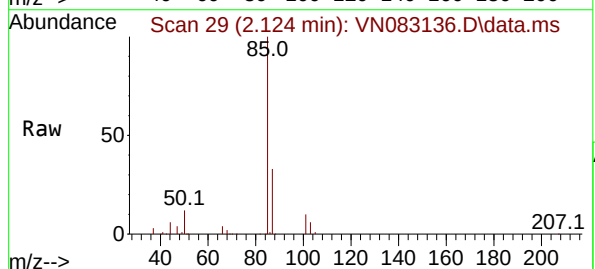
Manual Integrations
APPROVED

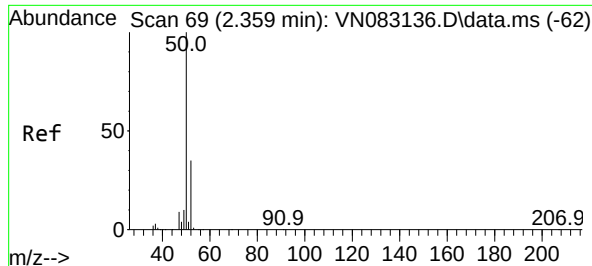
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#2
Dichlorodifluoromethane
Concen: 50.312 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN083136.D
Acq: 07 Aug 2024 10:58

Tgt Ion: 85 Resp: 116913
Ion Ratio Lower Upper
85 100
87 33.0 15.7 47.0





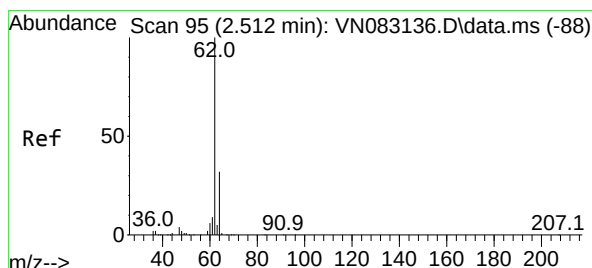
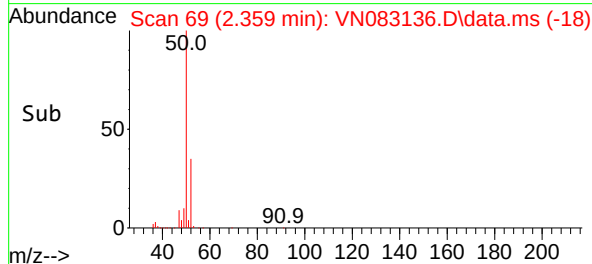
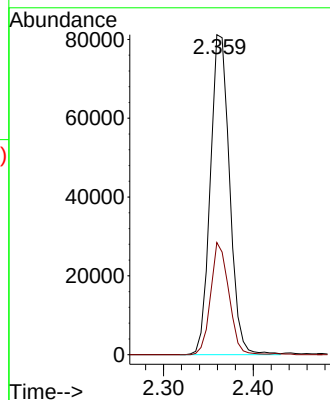
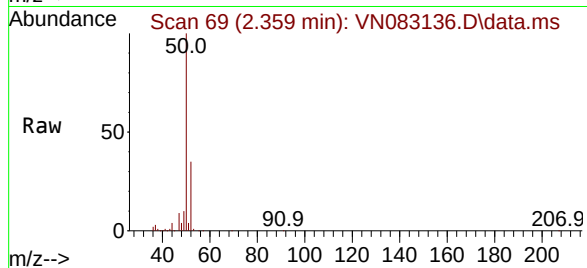
#3
Chloromethane
Concen: 50.915 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN083136.D
Acq: 07 Aug 2024 10:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 50 Resp: 121130
Ion Ratio Lower Upper
50 100
52 35.1 25.0 37.4

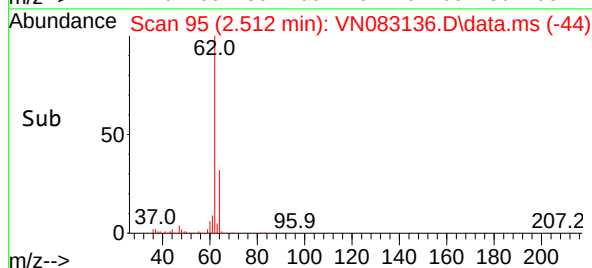
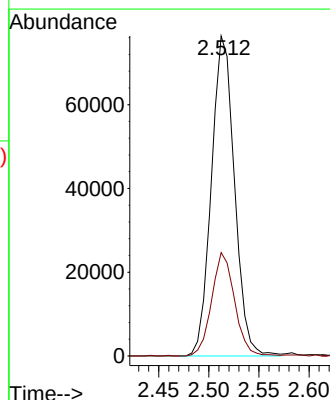
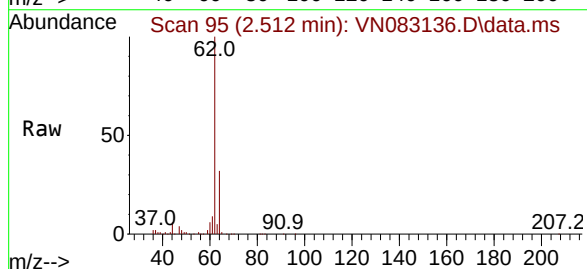
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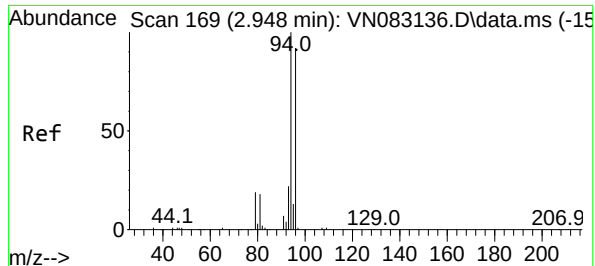
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#4
Vinyl Chloride
Concen: 50.482 ug/l
RT: 2.512 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN083136.D
Acq: 07 Aug 2024 10:58

Tgt Ion: 62 Resp: 122548
Ion Ratio Lower Upper
62 100
64 32.3 25.0 37.6





#5

Bromomethane

Concen: 48.538 ug/l

RT: 2.948 min Scan# 169

Delta R.T. 0.000 min

Lab File: VN083136.D

Acq: 07 Aug 2024 10:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 94 Resp: 7311

Ion Ratio Lower Upper

94 100

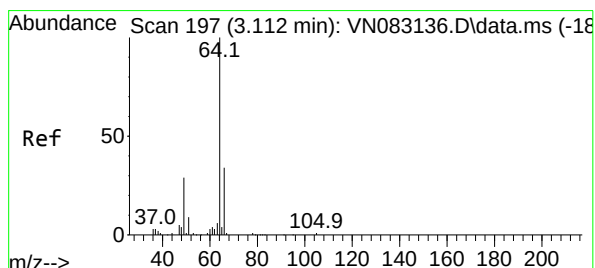
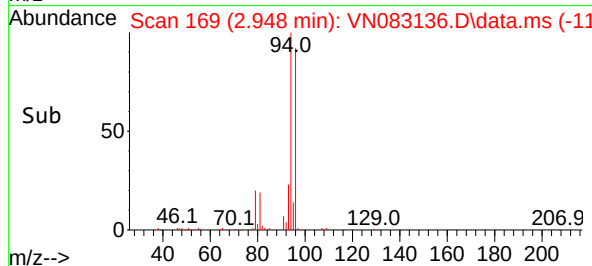
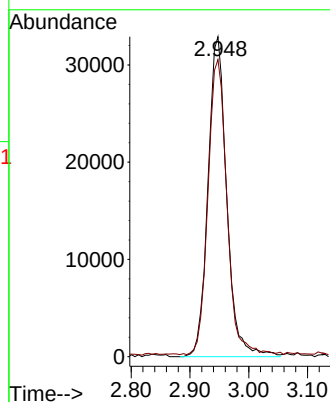
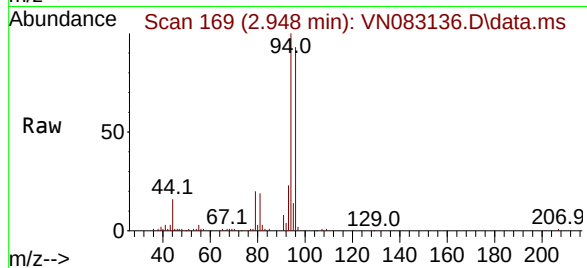
96 92.2 78.0 117.0

Manual Integrations

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Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#6

Chloroethane

Concen: 48.043 ug/l

RT: 3.112 min Scan# 197

Delta R.T. 0.000 min

Lab File: VN083136.D

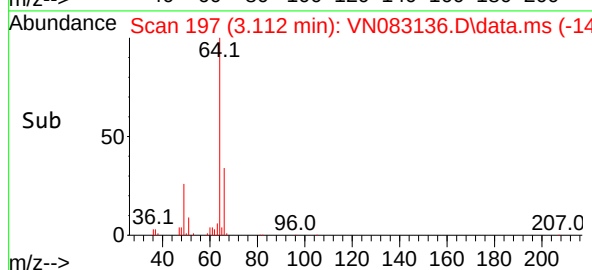
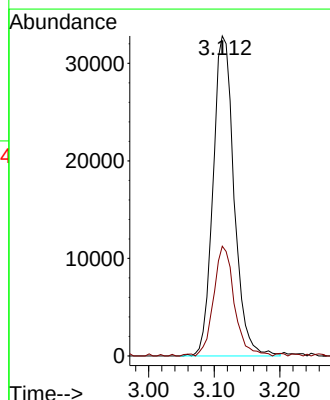
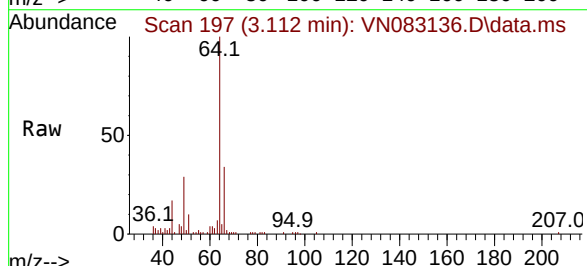
Acq: 07 Aug 2024 10:58

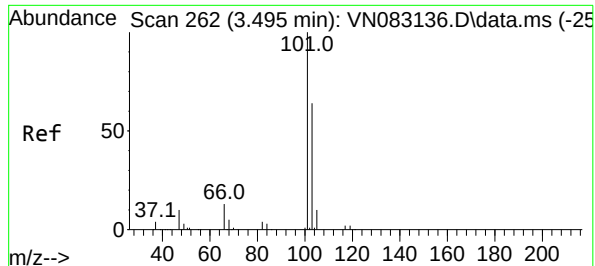
Tgt Ion: 64 Resp: 72966

Ion Ratio Lower Upper

64 100

66 34.3 26.6 40.0





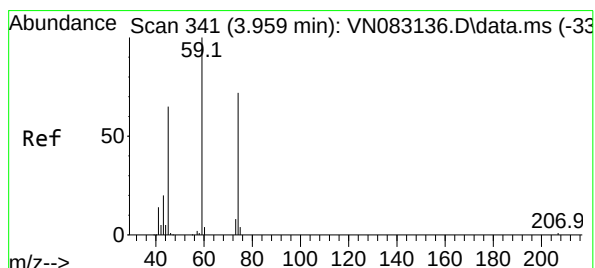
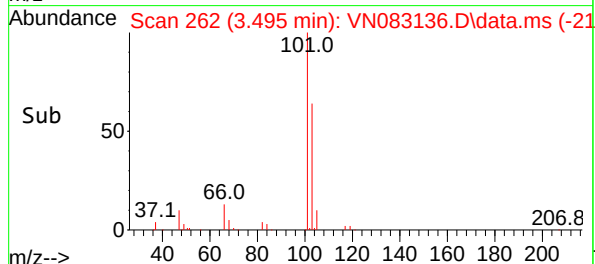
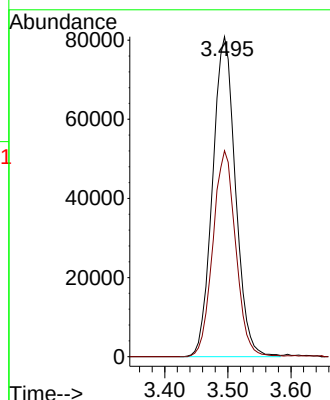
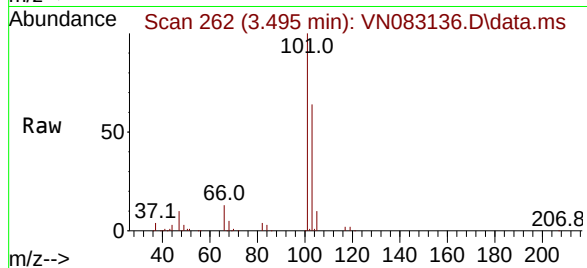
#7
Trichlorofluoromethane
Concen: 50.832 ug/l
RT: 3.495 min Scan# 262
Delta R.T. -0.000 min
Lab File: VN083136.D
Acq: 07 Aug 2024 10:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 20384
Ion Ratio Lower Upper
101 100
103 64.3 52.7 79.1

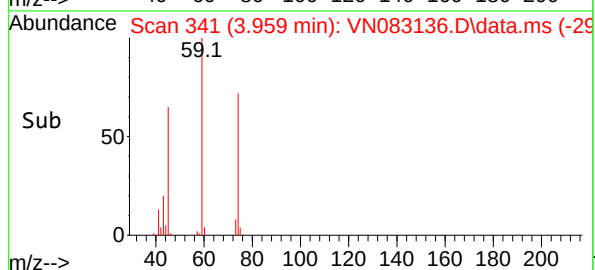
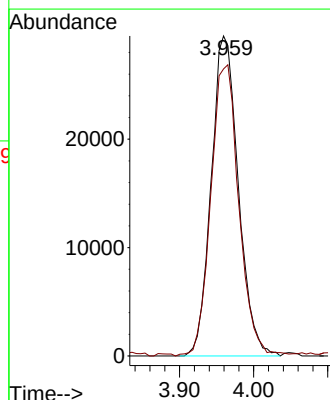
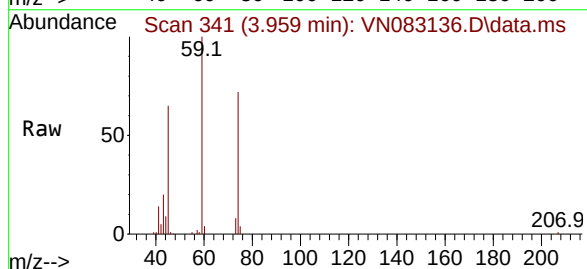
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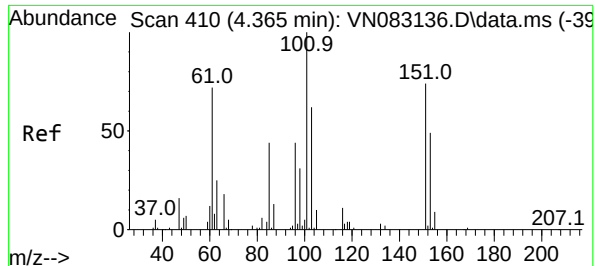
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#8
Diethyl Ether
Concen: 50.318 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.000 min
Lab File: VN083136.D
Acq: 07 Aug 2024 10:58

Tgt Ion: 74 Resp: 75087
Ion Ratio Lower Upper
74 100
45 94.0 55.5 166.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.747 ug/l

RT: 4.365 min Scan# 410

Delta R.T. 0.000 min

Lab File: VN083136.D

Acq: 07 Aug 2024 10:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion:101 Resp: 11220

Ion Ratio Lower Upper

101 100

85 45.9 38.3 57.5

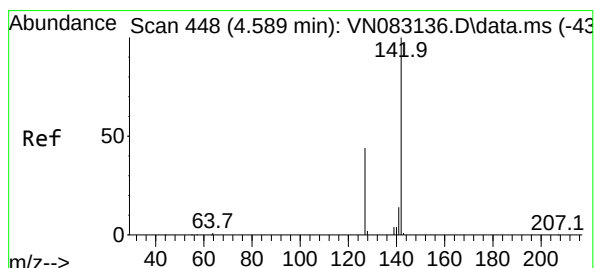
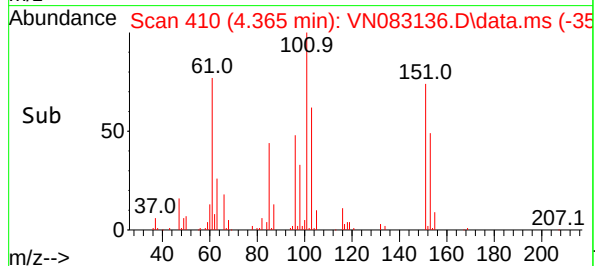
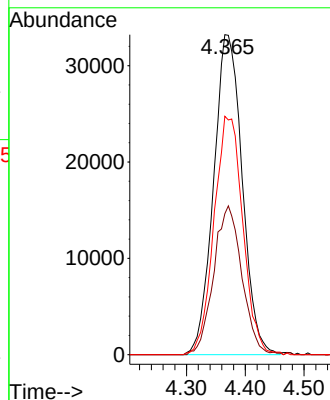
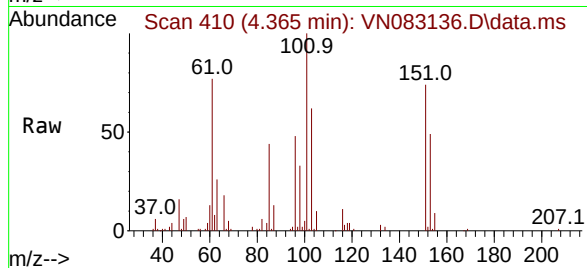
151 75.1 59.3 88.9

Manual Integrations

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Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#10

Methyl Iodide

Concen: 52.170 ug/l

RT: 4.589 min Scan# 448

Delta R.T. 0.000 min

Lab File: VN083136.D

Acq: 07 Aug 2024 10:58

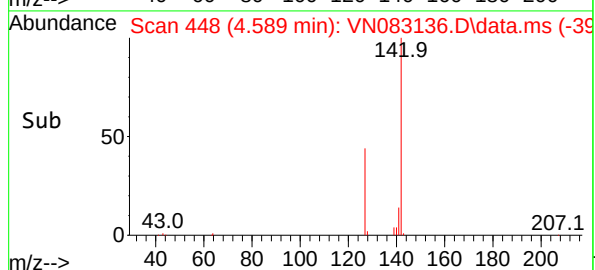
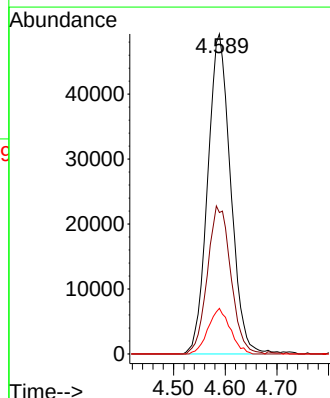
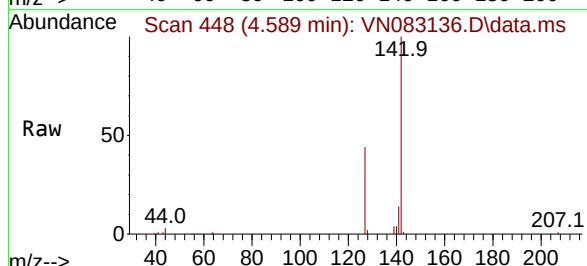
Tgt Ion:142 Resp: 151731

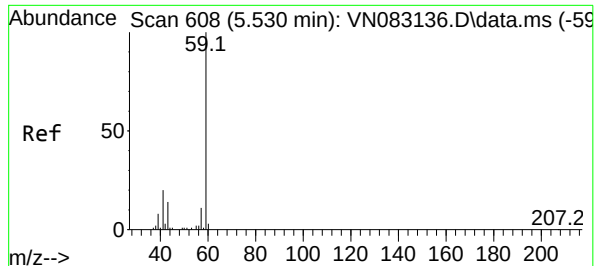
Ion Ratio Lower Upper

142 100

127 44.2 37.5 56.3

141 14.3 13.1 19.7





#11

Tert butyl alcohol

Concen: 247.904 ug/l

RT: 5.530 min Scan# 608

Delta R.T. 0.000 min

Lab File: VN083136.D

Acq: 07 Aug 2024 10:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 59 Resp: 15026

Ion Ratio Lower Upper

59 100

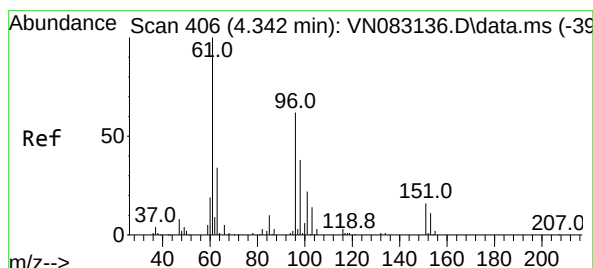
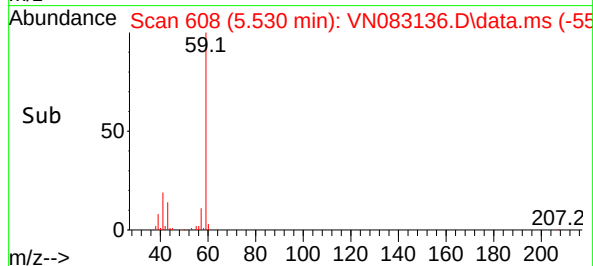
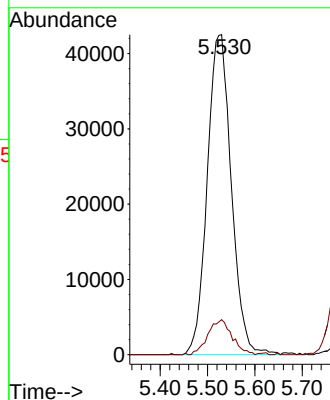
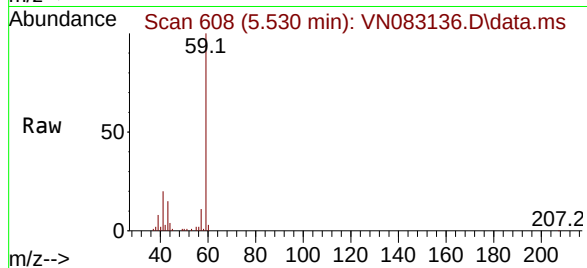
57 11.0 8.9 13.3

Manual Integrations

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Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#12

1,1-Dichloroethene

Concen: 49.114 ug/l

RT: 4.342 min Scan# 406

Delta R.T. 0.000 min

Lab File: VN083136.D

Acq: 07 Aug 2024 10:58

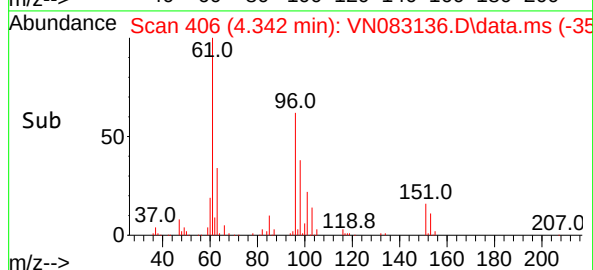
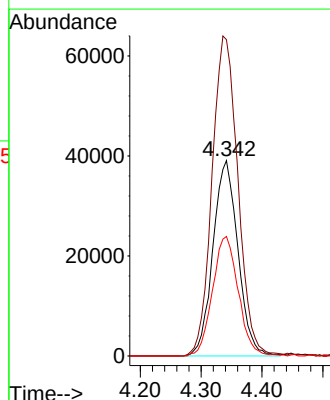
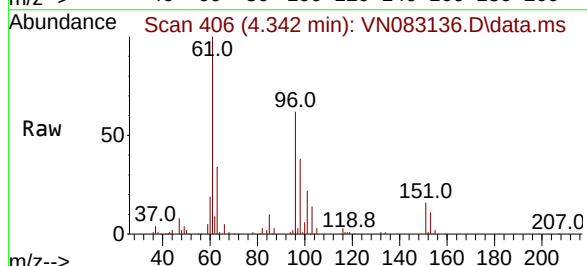
Tgt Ion: 96 Resp: 111564

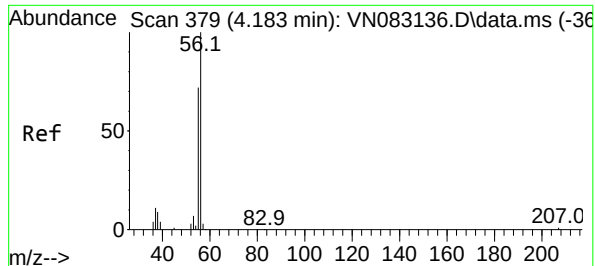
Ion Ratio Lower Upper

96 100

61 162.0 149.7 224.5

98 61.2 50.1 75.1





#13

Acrolein

Concen: 263.954 ug/l

RT: 4.183 min Scan# 379

Delta R.T. 0.000 min

Lab File: VN083136.D

Acq: 07 Aug 2024 10:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 56 Resp: 104270

Ion Ratio Lower Upper

56 100

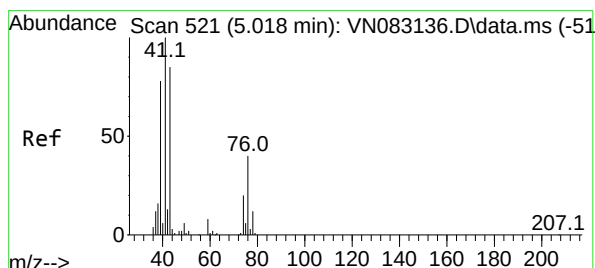
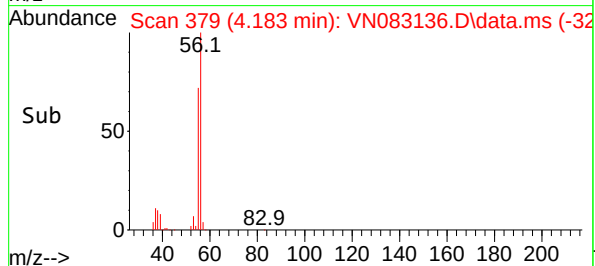
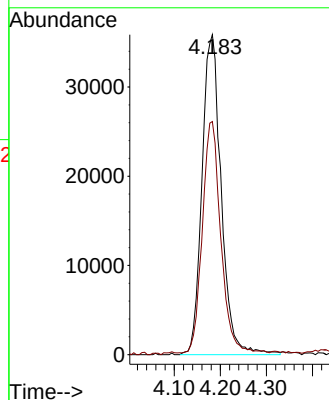
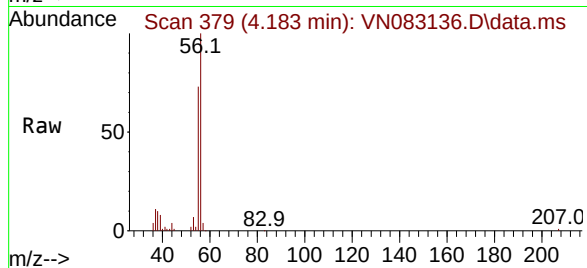
55 68.8 56.4 84.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#14

Allyl chloride

Concen: 44.541 ug/l

RT: 5.018 min Scan# 521

Delta R.T. 0.000 min

Lab File: VN083136.D

Acq: 07 Aug 2024 10:58

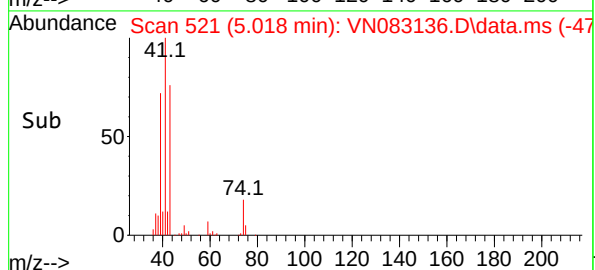
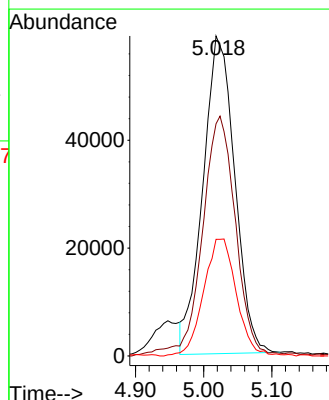
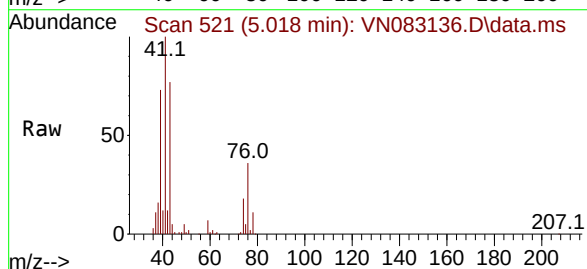
Tgt Ion: 41 Resp: 191195

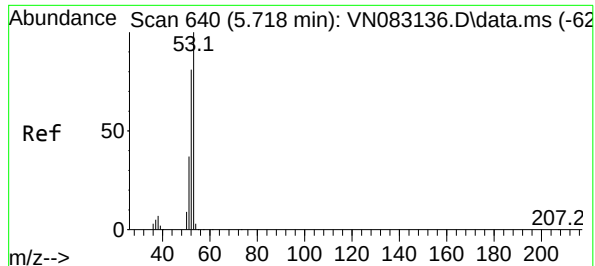
Ion Ratio Lower Upper

41 100

39 78.9 67.8 101.6

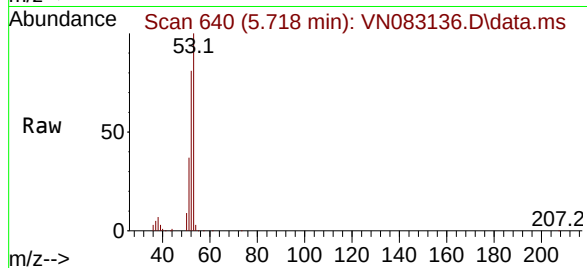
76 38.1 25.8 38.8





#15
Acrylonitrile
Concen: 251.149 ug/l
RT: 5.718 min Scan# 640
Delta R.T. 0.000 min
Lab File: VN083136.D
Acq: 07 Aug 2024 10:58

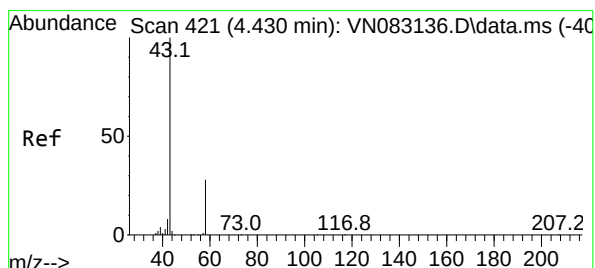
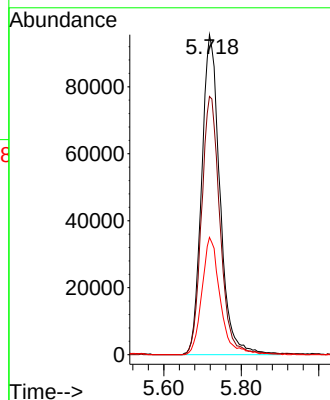
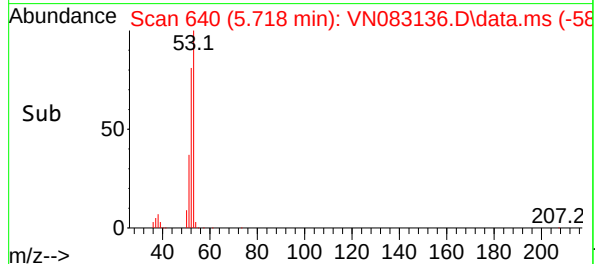
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050



Tgt Ion: 53 Resp: 313090
Ion Ratio Lower Upper
53 100
52 81.2 66.6 100.0
51 36.5 30.1 45.1

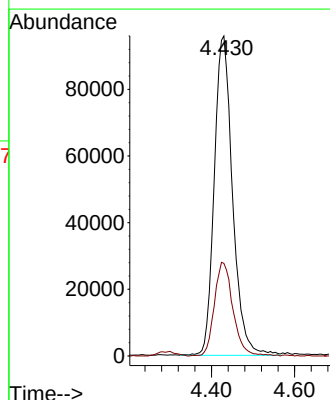
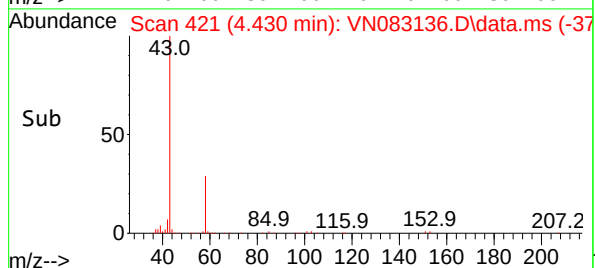
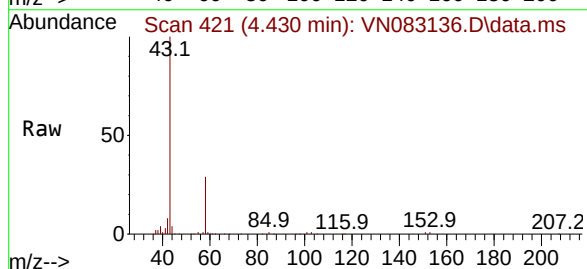
Manual Integrations
APPROVED

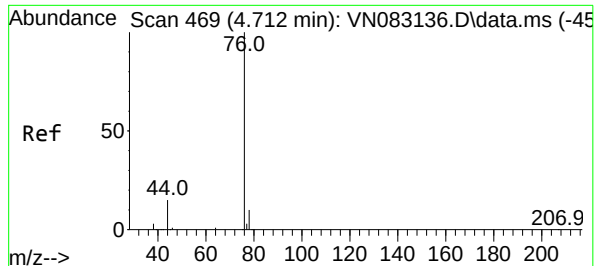
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#16
Acetone
Concen: 256.804 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.000 min
Lab File: VN083136.D
Acq: 07 Aug 2024 10:58

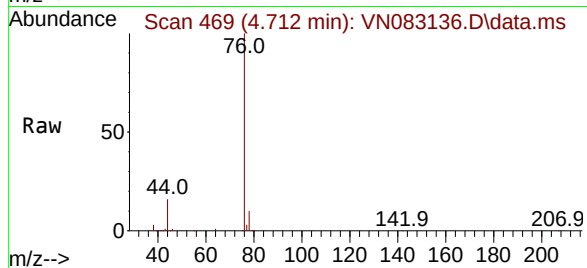
Tgt Ion: 43 Resp: 293091
Ion Ratio Lower Upper
43 100
58 29.0 21.8 32.6





#17
Carbon Disulfide
Concen: 48.094 ug/l
RT: 4.712 min Scan# 469
Delta R.T. 0.000 min
Lab File: VN083136.D
Acq: 07 Aug 2024 10:58

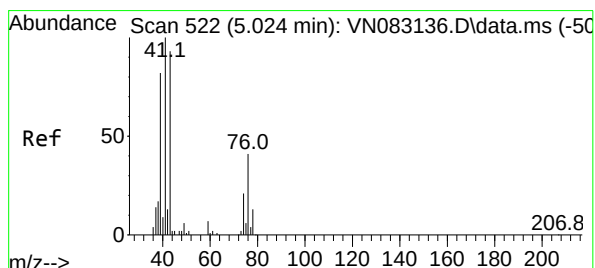
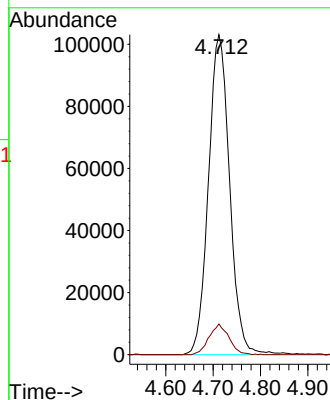
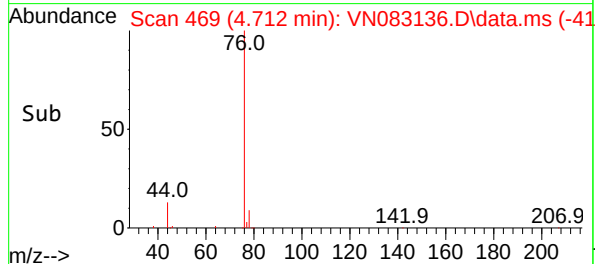
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050



Tgt Ion: 76 Resp: 319654
Ion Ratio Lower Upper
76 100
78 9.6 7.2 10.8

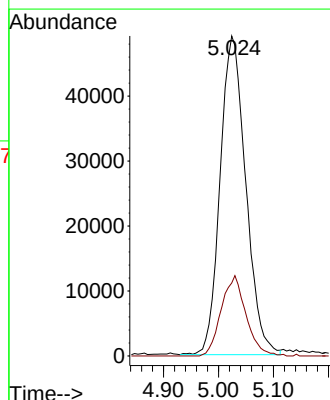
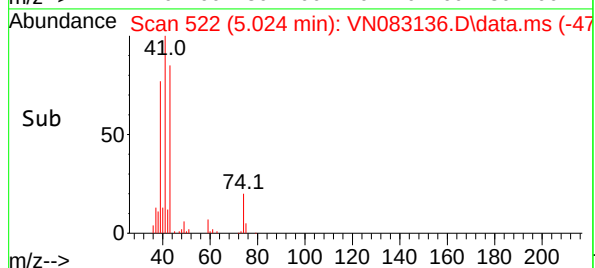
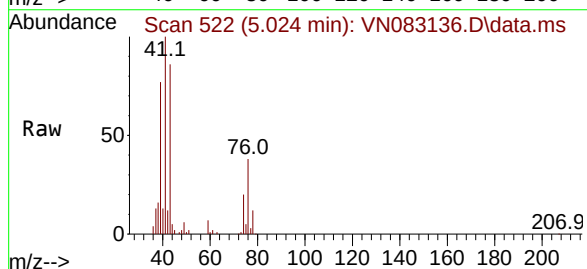
Manual Integrations
APPROVED

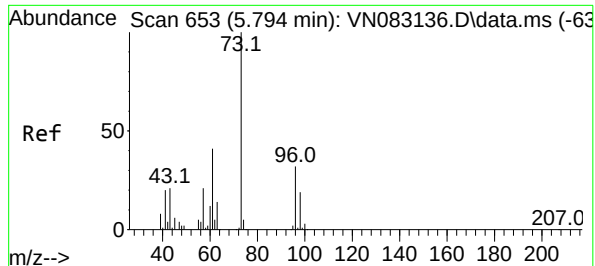
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#18
Methyl Acetate
Concen: 46.765 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.000 min
Lab File: VN083136.D
Acq: 07 Aug 2024 10:58

Tgt Ion: 43 Resp: 159022
Ion Ratio Lower Upper
43 100
74 24.3 16.3 24.5





#19

Methyl tert-butyl Ether

Concen: 50.676 ug/l

RT: 5.794 min Scan# 653

Delta R.T. 0.000 min

Lab File: VN083136.D

Acq: 07 Aug 2024 10:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 73 Resp: 415489

Ion Ratio Lower Upper

73 100

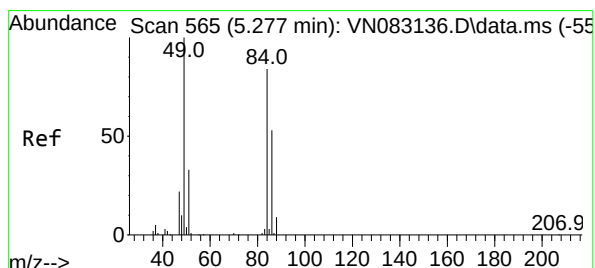
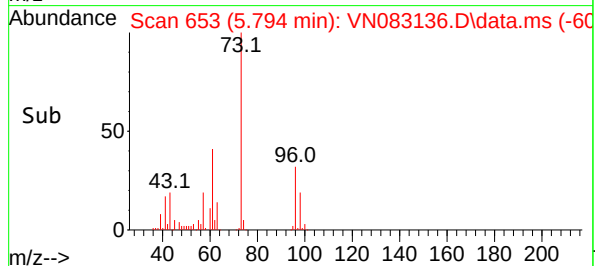
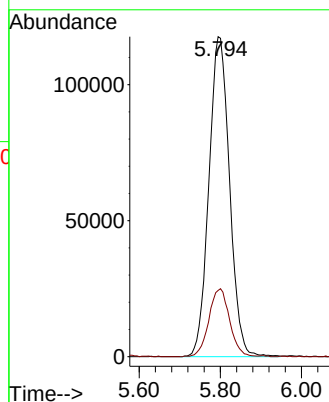
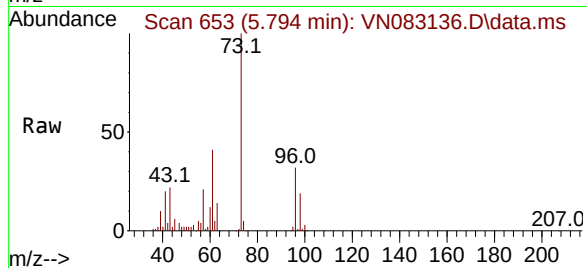
57 20.7 17.9 26.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#20

Methylene Chloride

Concen: 46.744 ug/l

RT: 5.277 min Scan# 565

Delta R.T. 0.000 min

Lab File: VN083136.D

Acq: 07 Aug 2024 10:58

Tgt Ion: 84 Resp: 122780

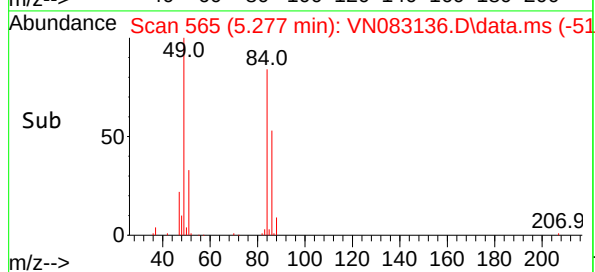
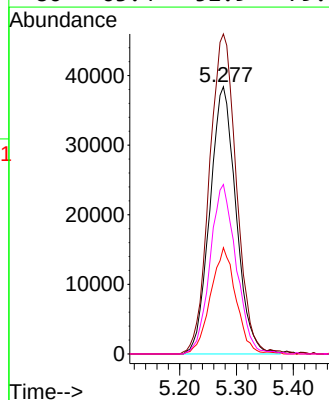
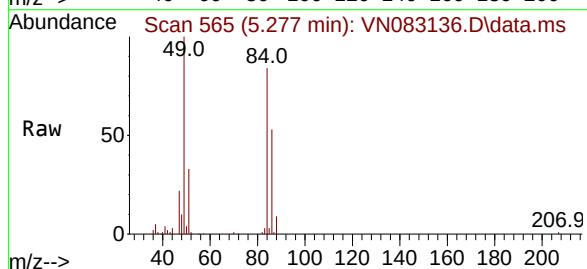
Ion Ratio Lower Upper

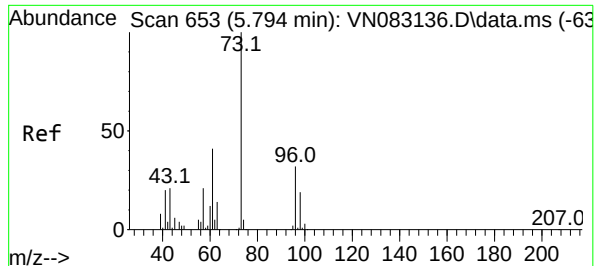
84 100

49 119.8 119.6 179.4

51 39.8 34.8 52.2

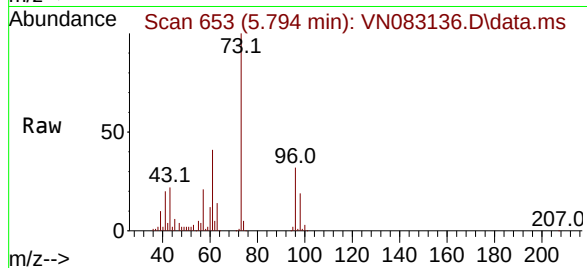
86 63.4 52.9 79.3





#21
trans-1,2-Dichloroethene
Concen: 50.127 ug/l
RT: 5.794 min Scan# 611
Delta R.T. 0.000 min
Lab File: VN083136.D
Acq: 07 Aug 2024 10:58

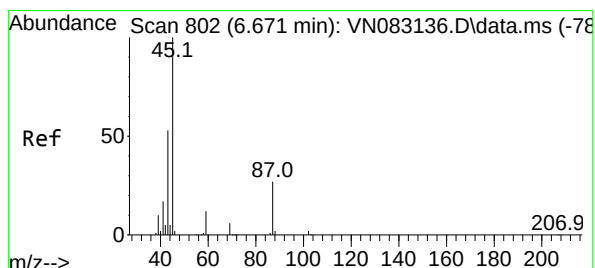
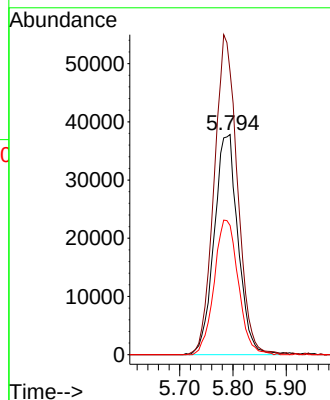
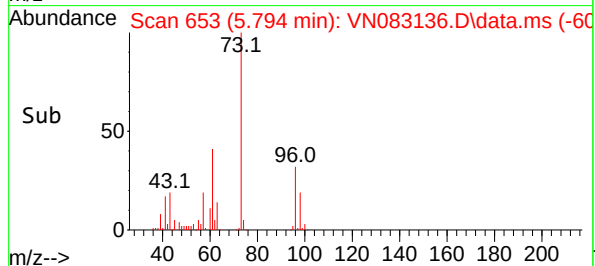
Instrument :
MSVOA_N
Client Sample Id :
VSTDICCC050



Tgt Ion: 96 Resp: 11768
Ion Ratio Lower Upper
96 100
61 128.4 123.4 185.2
98 58.7 49.3 73.9

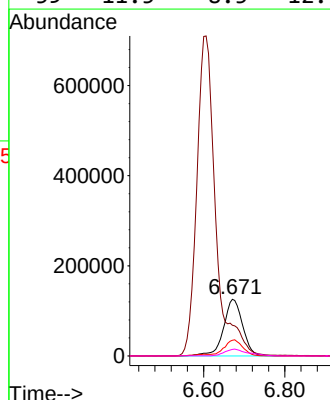
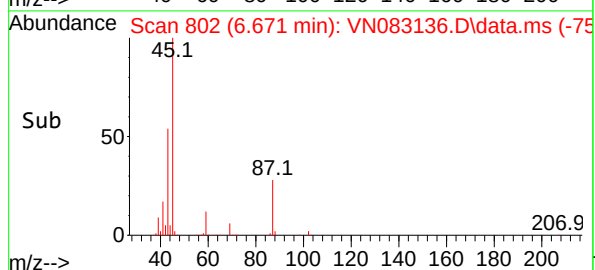
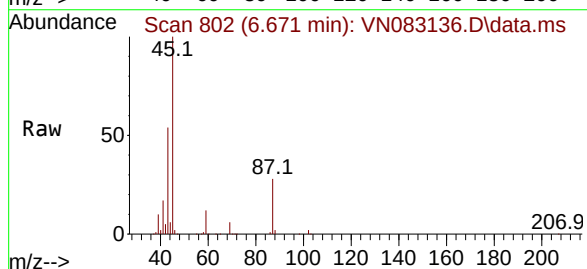
Manual Integrations
APPROVED

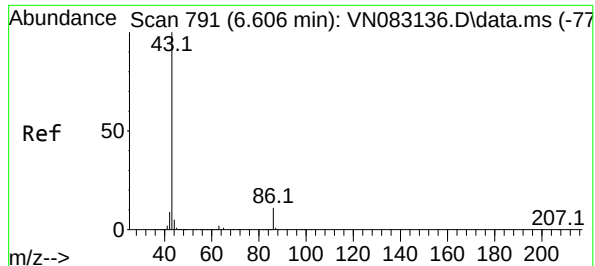
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#22
Diisopropyl ether
Concen: 50.987 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.000 min
Lab File: VN083136.D
Acq: 07 Aug 2024 10:58

Tgt Ion: 45 Resp: 411409
Ion Ratio Lower Upper
45 100
43 52.8 44.0 66.0
87 27.7 19.7 29.5
59 11.5 8.5 12.7





#23

Vinyl Acetate

Concen: 259.716 ug/l m

RT: 6.606 min Scan# 791

Delta R.T. 0.000 min

Lab File: VN083136.D

Acq: 07 Aug 2024 10:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 214759

Ion Ratio Lower Upper

43 100

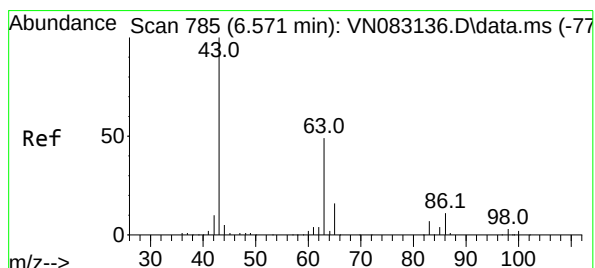
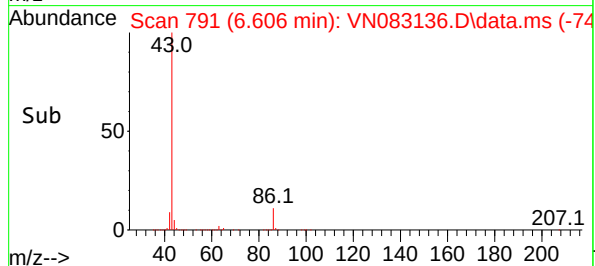
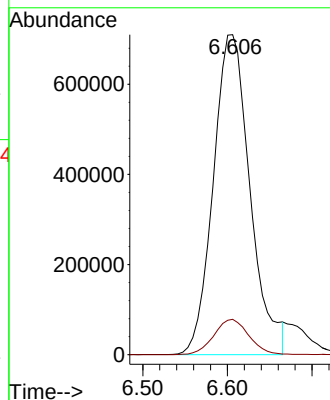
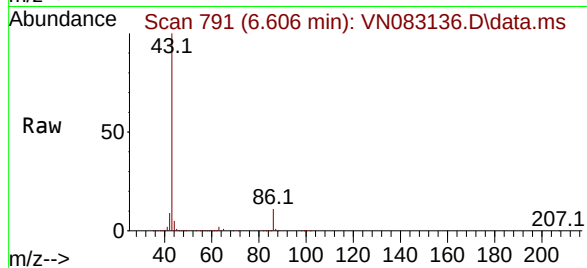
86 11.0 7.3 10.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#24

1,1-Dichloroethane

Concen: 50.493 ug/l

RT: 6.571 min Scan# 785

Delta R.T. 0.000 min

Lab File: VN083136.D

Acq: 07 Aug 2024 10:58

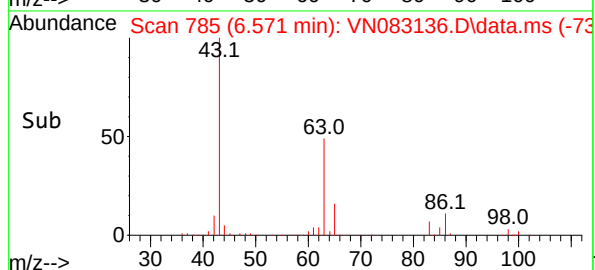
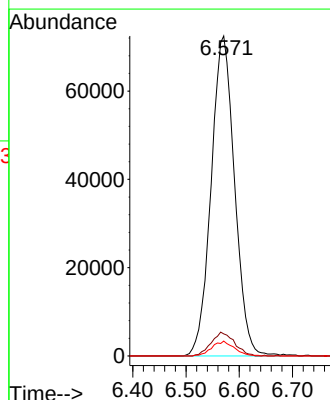
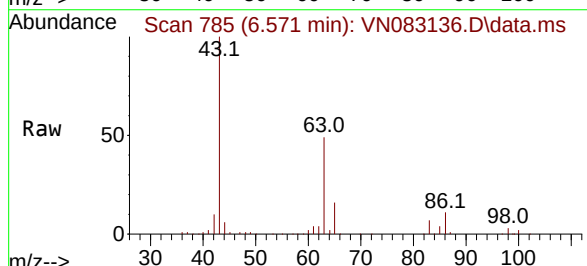
Tgt Ion: 63 Resp: 222071

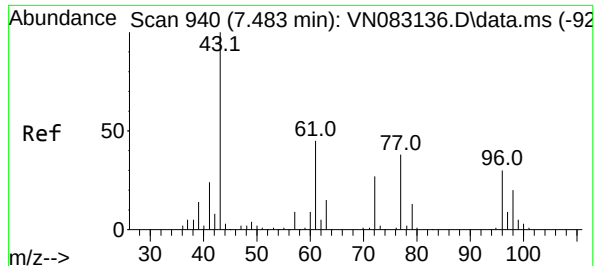
Ion Ratio Lower Upper

63 100

98 6.9 3.3 9.9

100 4.6 2.0 6.0





#25

2-Butanone

Concen: 249.591 ug/l

RT: 7.483 min Scan# 940

Delta R.T. 0.000 min

Lab File: VN083136.D

Acq: 07 Aug 2024 10:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 437392

Ion Ratio Lower Upper

43 100

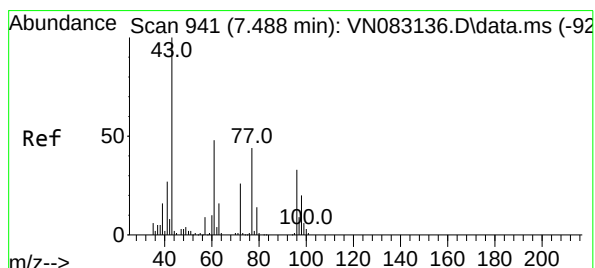
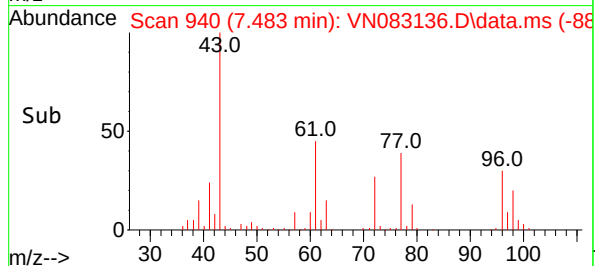
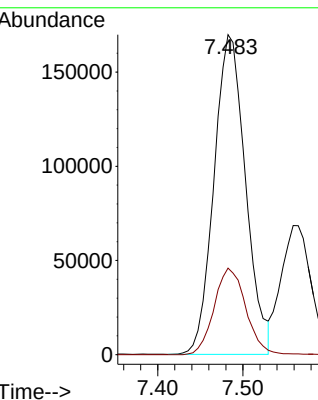
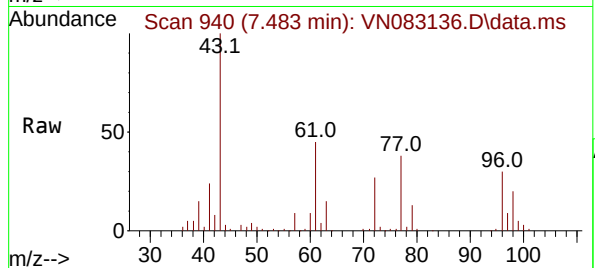
72 27.1 18.2 27.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#26

2,2-Dichloropropane

Concen: 51.336 ug/l

RT: 7.488 min Scan# 941

Delta R.T. 0.000 min

Lab File: VN083136.D

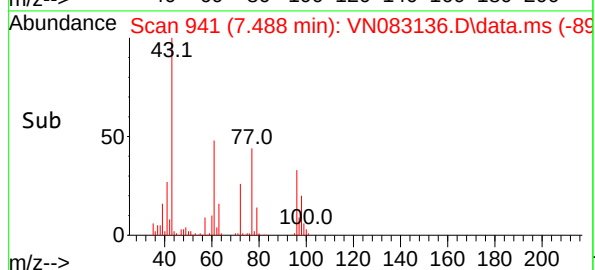
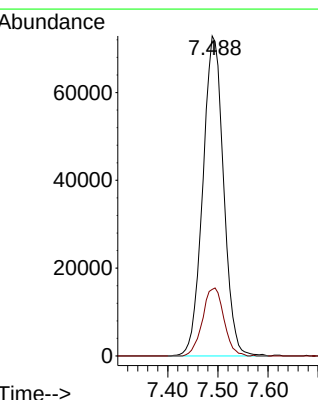
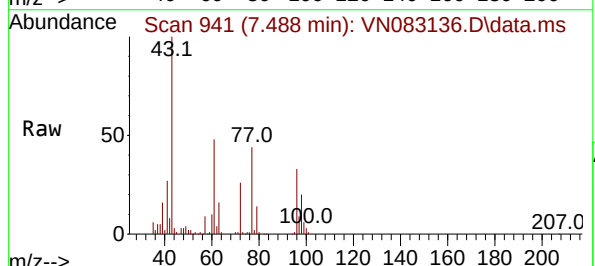
Acq: 07 Aug 2024 10:58

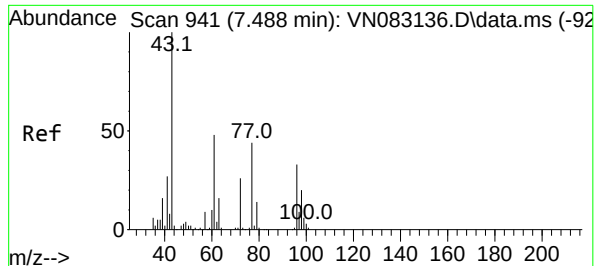
Tgt Ion: 77 Resp: 209679

Ion Ratio Lower Upper

77 100

97 21.9 10.3 30.9





#27

cis-1,2-Dichloroethene

Concen: 49.809 ug/l

RT: 7.488 min Scan# 941

Delta R.T. 0.000 min

Lab File: VN083136.D

Acq: 07 Aug 2024 10:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 96 Resp: 141110

Ion Ratio Lower Upper

96 100

61 150.4 0.0 329.6

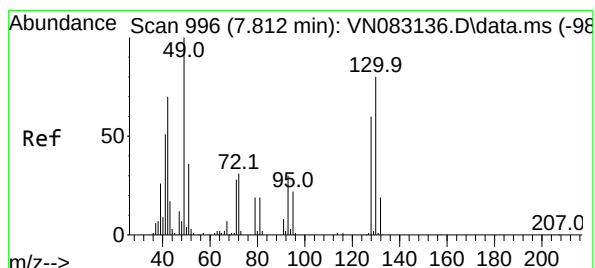
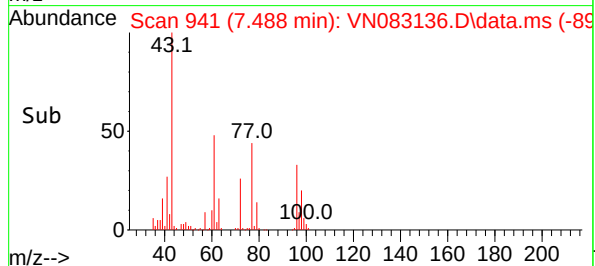
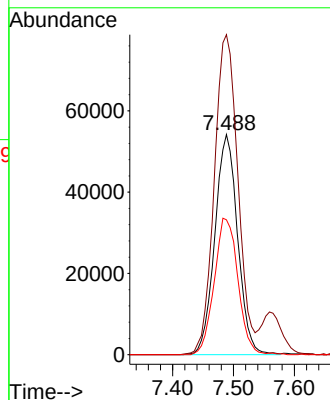
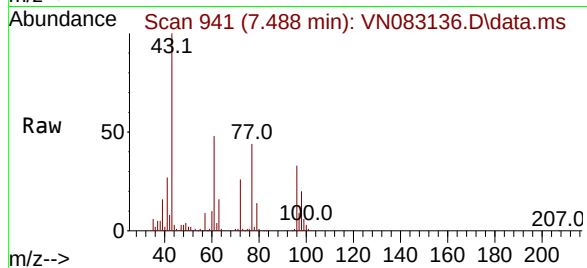
98 64.5 0.0 128.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#28

Bromochloromethane

Concen: 50.041 ug/l

RT: 7.812 min Scan# 996

Delta R.T. 0.000 min

Lab File: VN083136.D

Acq: 07 Aug 2024 10:58

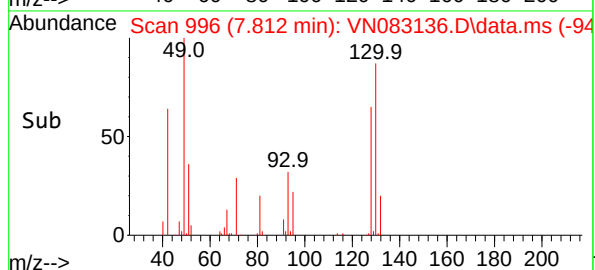
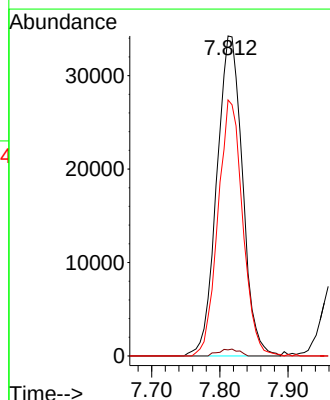
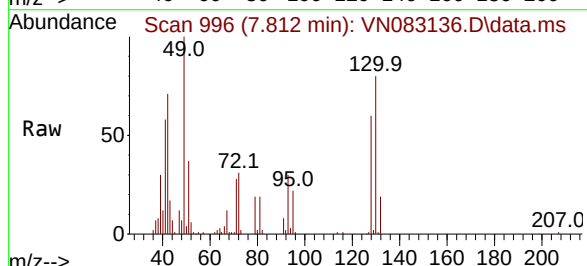
Tgt Ion: 49 Resp: 89942

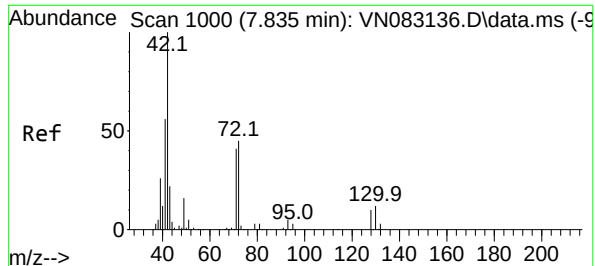
Ion Ratio Lower Upper

49 100

129 1.8 0.0 3.8

130 76.7 50.5 75.7#





#29

Tetrahydrofuran

Concen: 252.334 ug/l

RT: 7.835 min Scan# 1000

Delta R.T. 0.000 min

Lab File: VN083136.D

Acq: 07 Aug 2024 10:58

Instrument :

MSVOA_N

ClientSampleId :

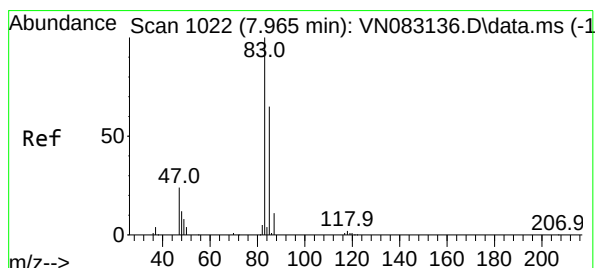
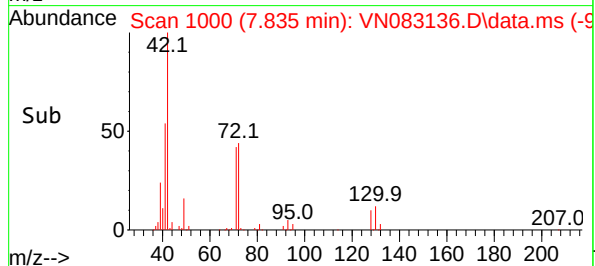
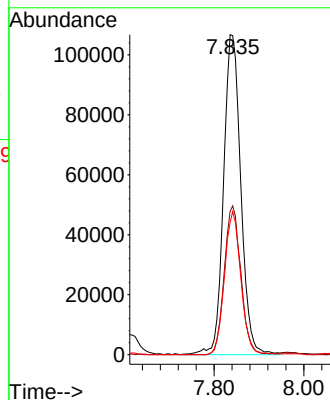
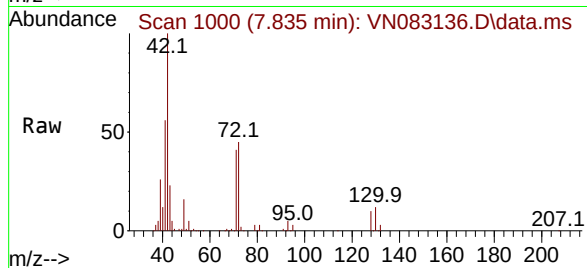
VSTDICCC050

Tgt Ion:	42	Resp:	28585
Ion	Ratio	Lower	Upper
42	100		
72	44.6	30.0	45.0
71	42.4	28.3	42.5

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#30

Chloroform

Concen: 50.978 ug/l

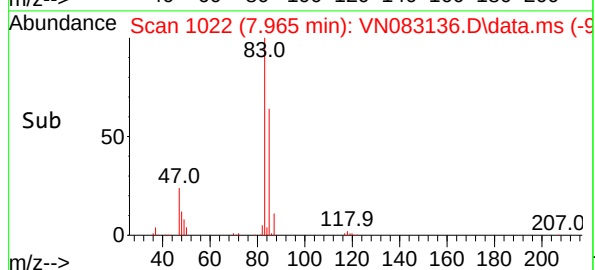
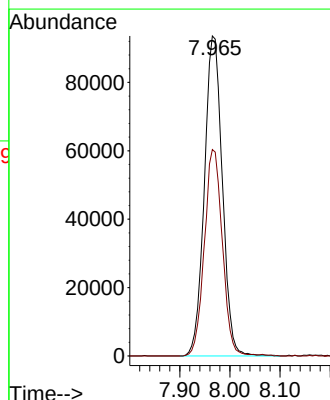
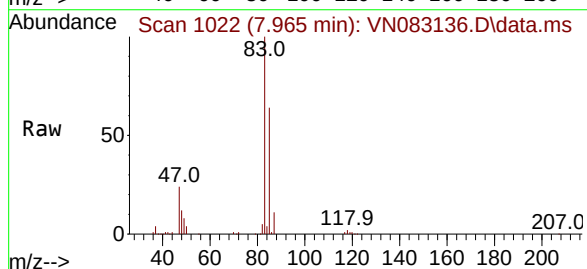
RT: 7.965 min Scan# 1022

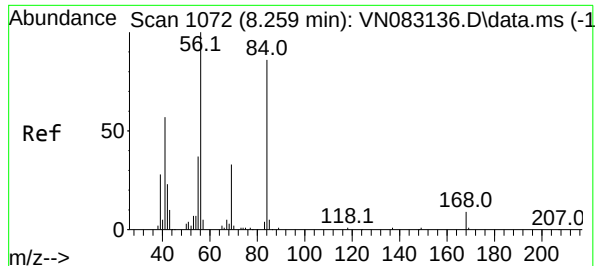
Delta R.T. 0.000 min

Lab File: VN083136.D

Acq: 07 Aug 2024 10:58

Tgt Ion:	83	Resp:	232933
Ion	Ratio	Lower	Upper
83	100		
85	64.5	50.9	76.3





#31

Cyclohexane

Concen: 46.565 ug/l

RT: 8.259 min Scan# 1072

Delta R.T. 0.000 min

Lab File: VN083136.D

Acq: 07 Aug 2024 10:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 56 Resp: 20127

Ion Ratio Lower Upper

56 100

69 32.7 24.5 36.7

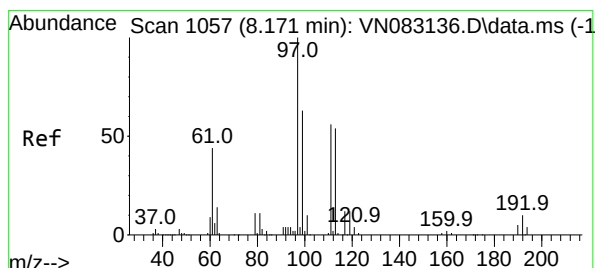
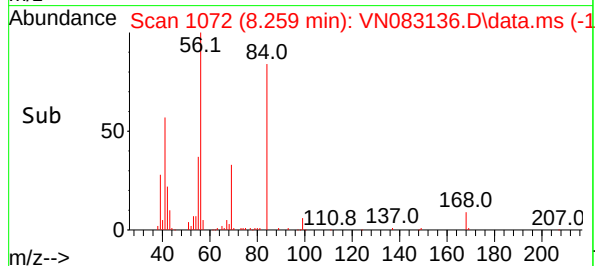
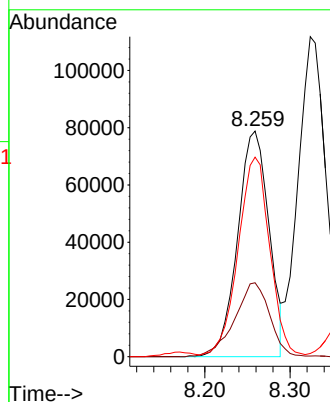
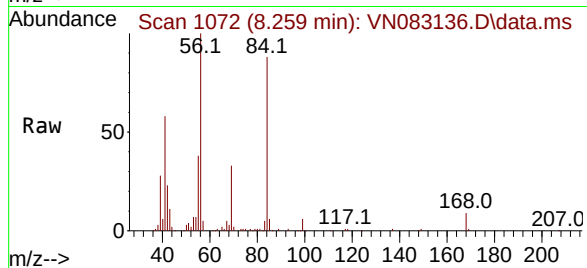
84 86.4 66.0 99.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#32

1,1,1-Trichloroethane

Concen: 50.935 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VN083136.D

Acq: 07 Aug 2024 10:58

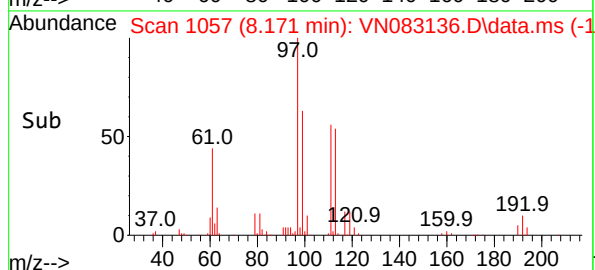
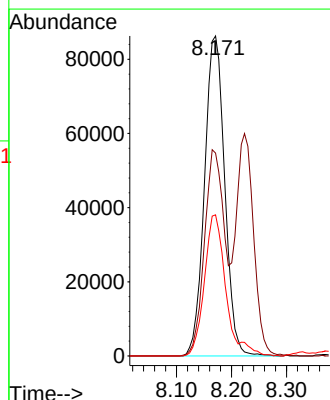
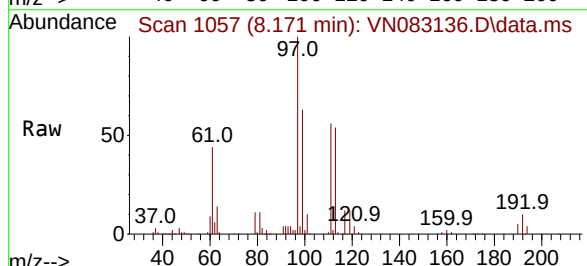
Tgt Ion: 97 Resp: 220296

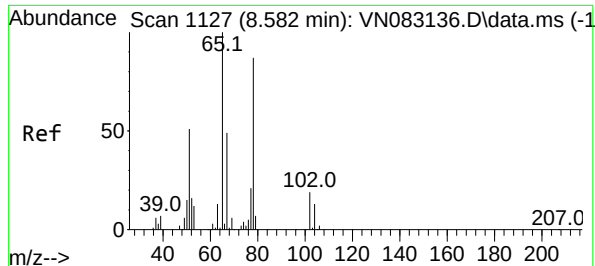
Ion Ratio Lower Upper

97 100

99 62.5 52.0 78.0

61 46.6 42.1 63.1





#33

1,2-Dichloroethane-d4

Concen: 52.348 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN083136.D

Acq: 07 Aug 2024 10:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 65 Resp: 152684

Ion Ratio Lower Upper

65 100

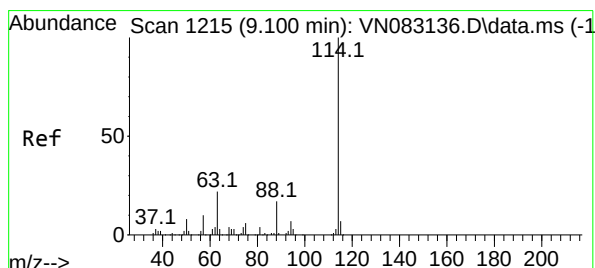
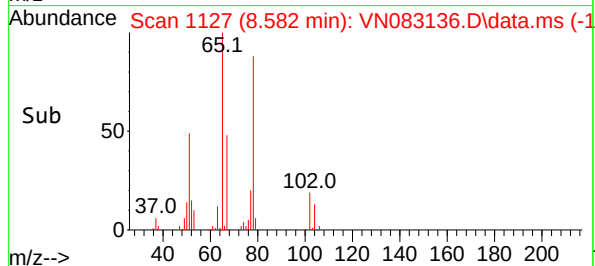
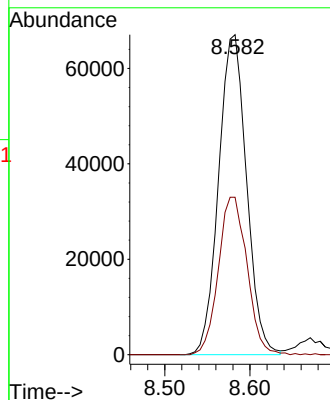
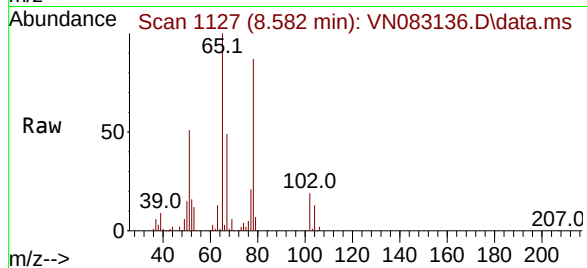
67 50.5 0.0 104.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN083136.D

Acq: 07 Aug 2024 10:58

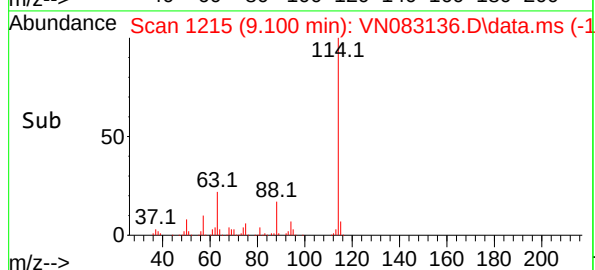
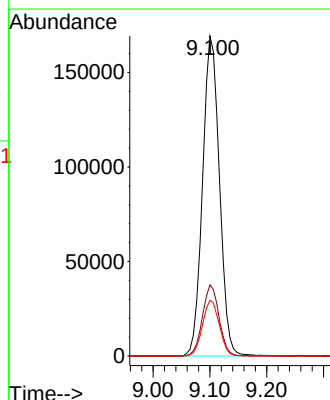
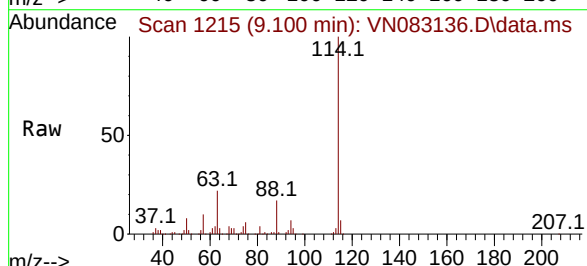
Tgt Ion:114 Resp: 348813

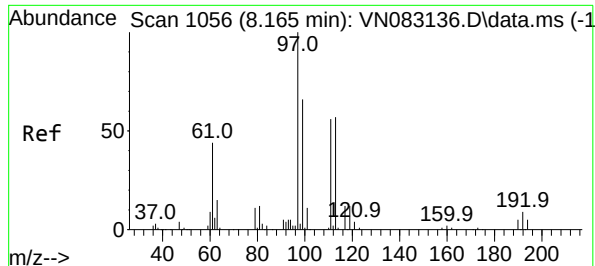
Ion Ratio Lower Upper

114 100

63 22.2 0.0 44.6

88 17.3 0.0 31.4





#35

Dibromofluoromethane

Concen: 53.216 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN083136.D

Acq: 07 Aug 2024 10:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion:113 Resp: 11586

Ion Ratio Lower Upper

113 100

111 101.9 82.4 123.6

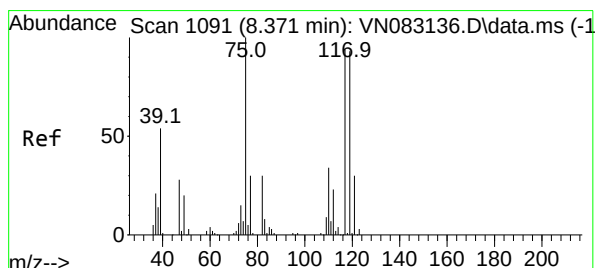
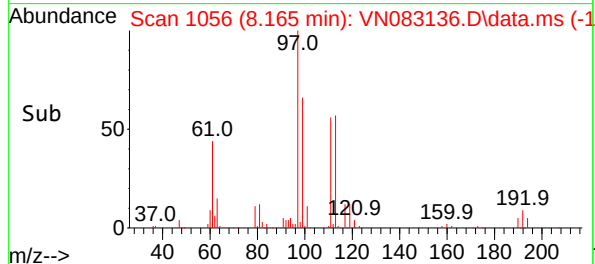
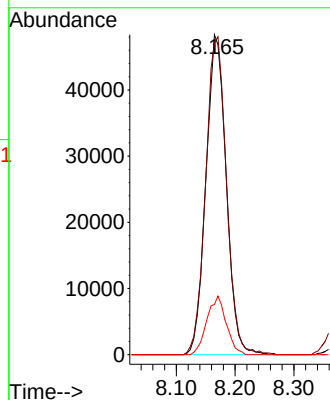
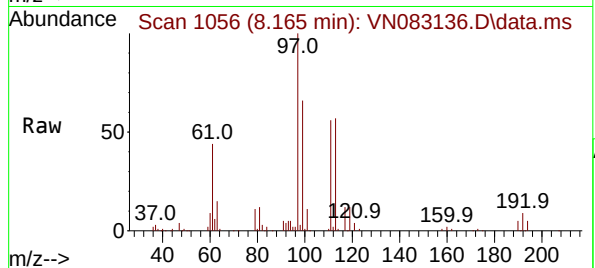
192 17.5 14.9 22.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#36

1,1-Dichloropropene

Concen: 50.349 ug/l

RT: 8.371 min Scan# 1091

Delta R.T. 0.000 min

Lab File: VN083136.D

Acq: 07 Aug 2024 10:58

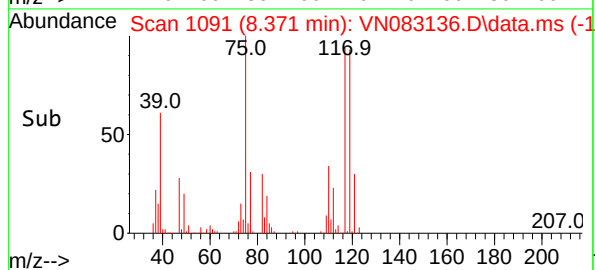
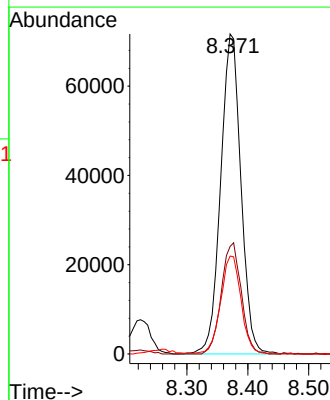
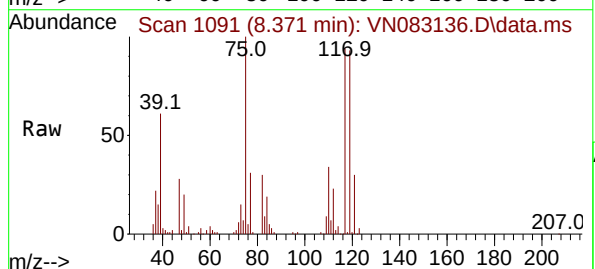
Tgt Ion: 75 Resp: 165826

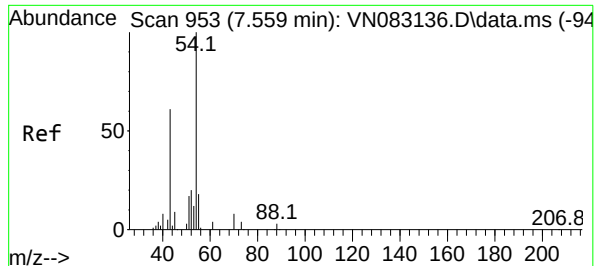
Ion Ratio Lower Upper

75 100

110 34.2 16.3 48.9

77 30.8 24.6 37.0





#37

Ethyl Acetate

Concen: 47.213 ug/l

RT: 7.559 min Scan# 91

Delta R.T. 0.000 min

Lab File: VN083136.D

Acq: 07 Aug 2024 10:58

Instrument :

MSVOA_N

ClientSampleId :

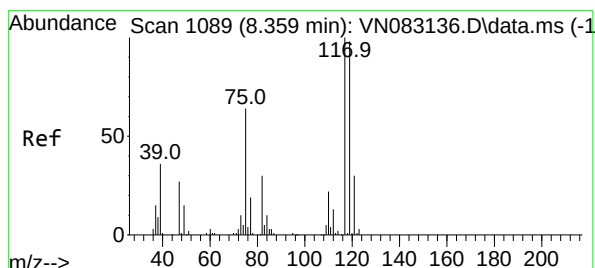
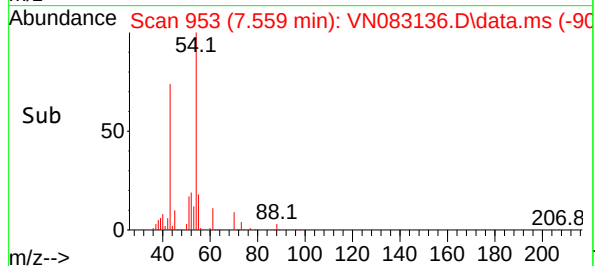
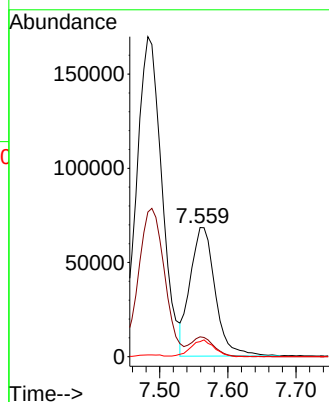
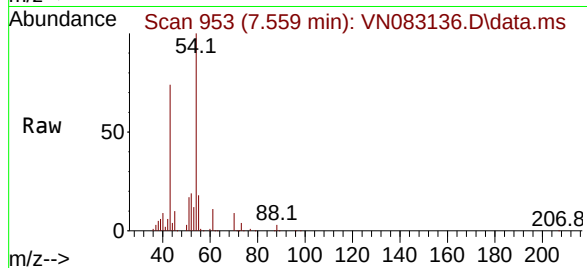
VSTDICCC050

Tgt Ion:	43	Resp:	17410
Ion	Ratio	Lower	Upper
43	100		
61	14.4	9.3	13.9
70	12.1	7.0	10.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#38

Carbon Tetrachloride

Concen: 51.315 ug/l

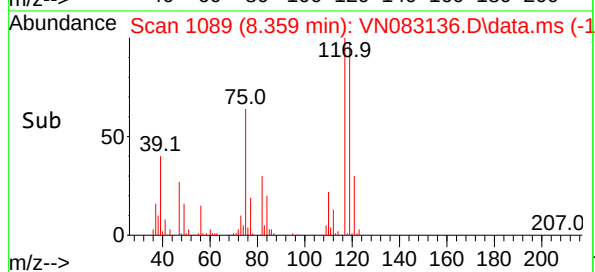
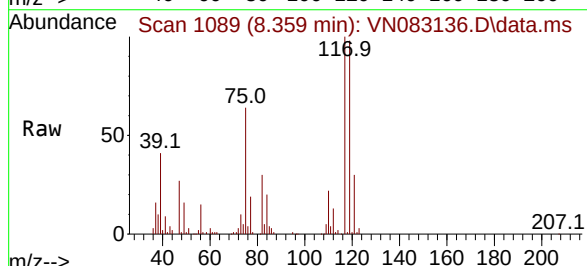
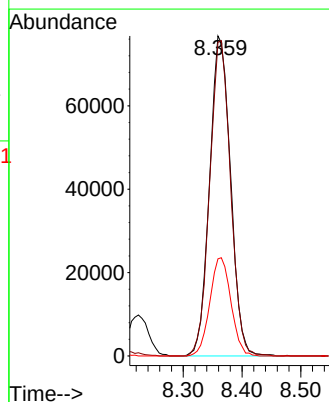
RT: 8.359 min Scan# 1089

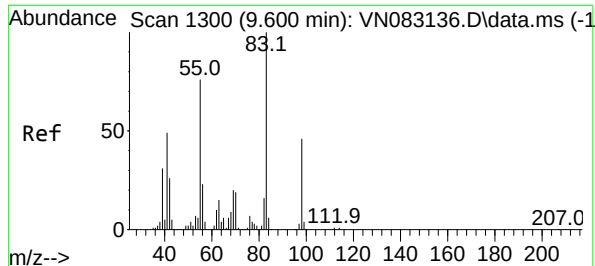
Delta R.T. 0.000 min

Lab File: VN083136.D

Acq: 07 Aug 2024 10:58

Tgt Ion:	117	Resp:	190357
Ion	Ratio	Lower	Upper
117	100		
119	98.0	74.9	112.3
121	30.3	24.3	36.5





#39

Methylcyclohexane

Concen: 51.461 ug/l

RT: 9.600 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VN083136.D

Acq: 07 Aug 2024 10:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

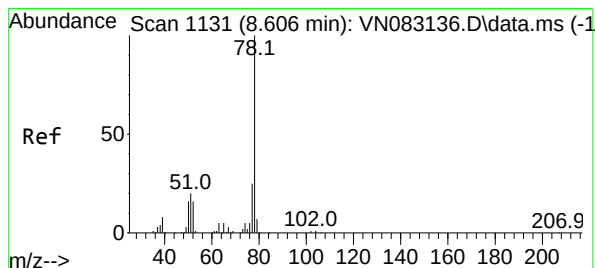
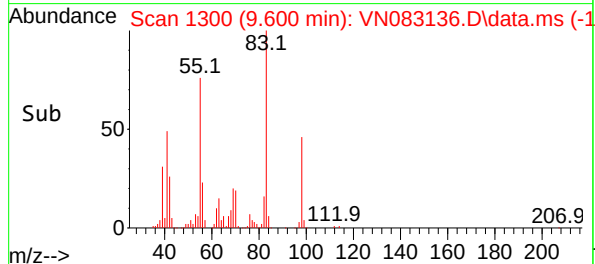
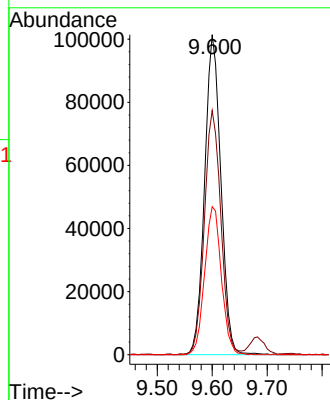
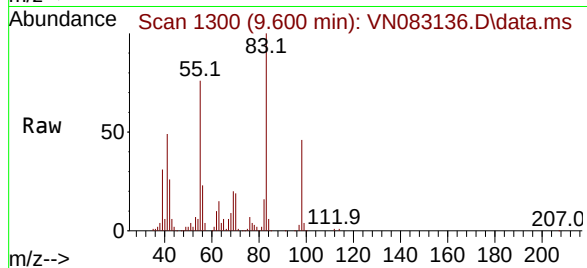
Tgt Ion:	83	Resp:	20817
Ion Ratio	Lower	Upper	
83	100		
55	76.0	66.4	99.6
98	46.3	40.7	61.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#40

Benzene

Concen: 51.436 ug/l

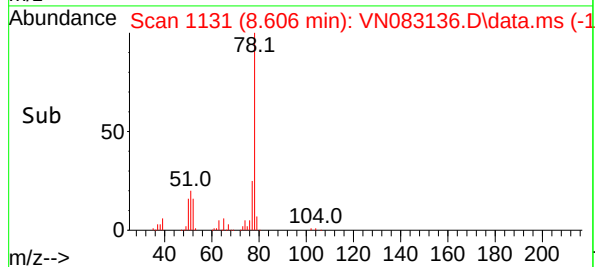
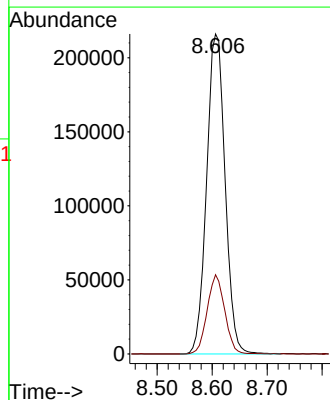
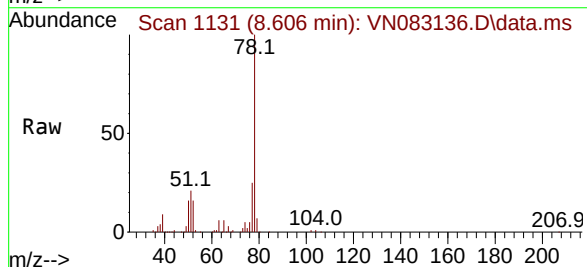
RT: 8.606 min Scan# 1131

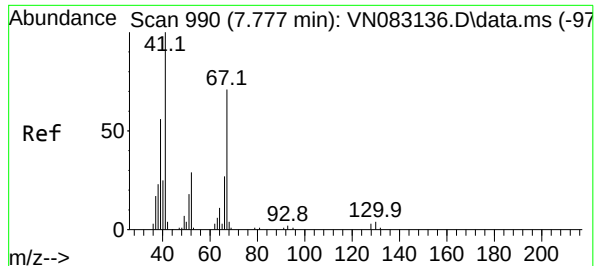
Delta R.T. 0.000 min

Lab File: VN083136.D

Acq: 07 Aug 2024 10:58

Tgt Ion:	78	Resp:	504662
Ion Ratio	Lower	Upper	
78	100		
77	24.8	19.0	28.4





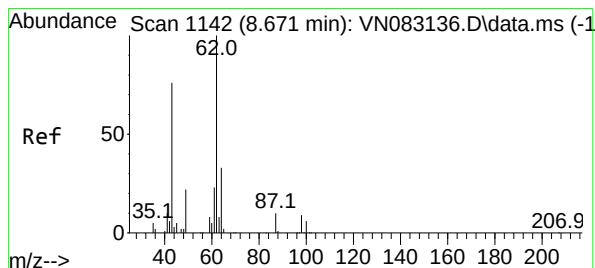
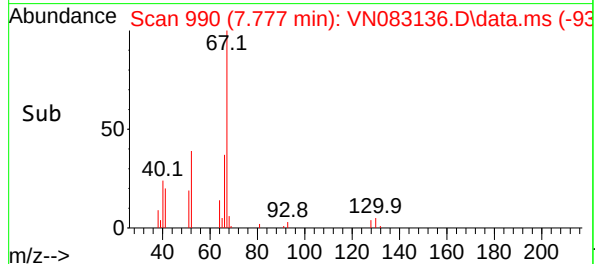
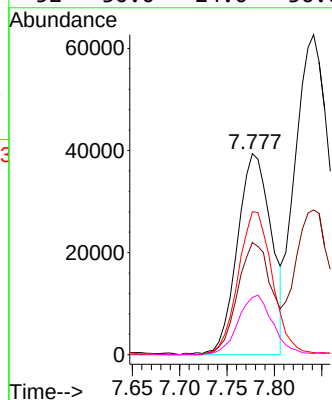
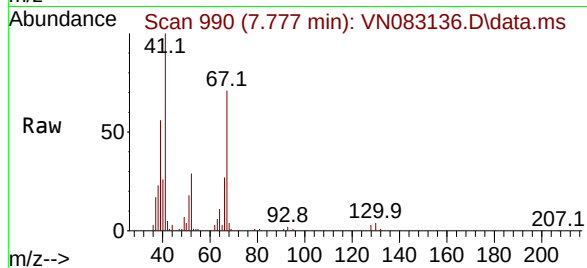
#41
Methacrylonitrile
Concen: 47.154 ug/l
RT: 7.777 min Scan# 990
Delta R.T. 0.000 min
Lab File: VN083136.D
Acq: 07 Aug 2024 10:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 41 Resp: 98869
Ion Ratio Lower Upper
41 100
39 55.4 45.5 68.3
67 72.0 50.5 75.7
52 30.0 24.0 36.0

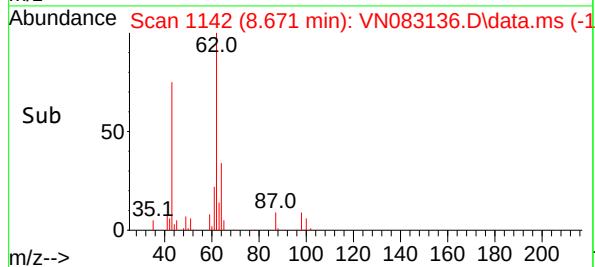
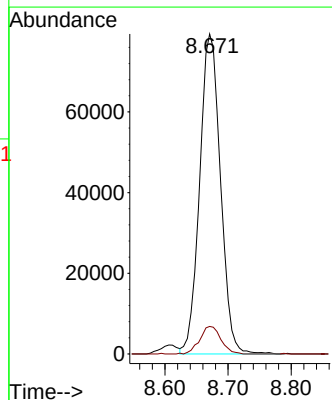
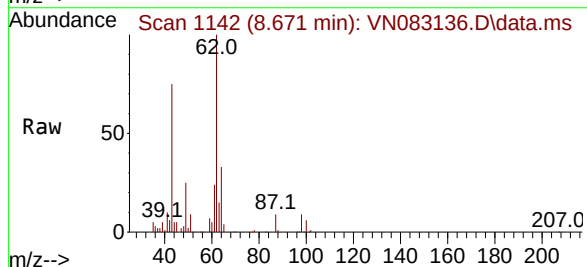
Manual Integrations
APPROVED

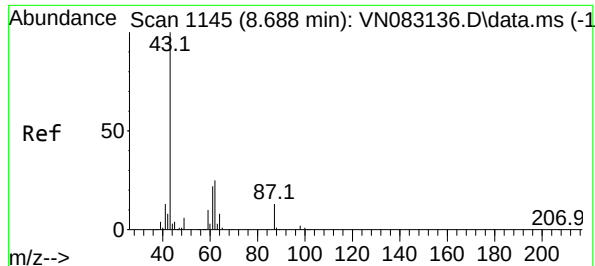
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#42
1,2-Dichloroethane
Concen: 50.765 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VN083136.D
Acq: 07 Aug 2024 10:58

Tgt Ion: 62 Resp: 181440
Ion Ratio Lower Upper
62 100
98 8.7 0.0 15.8





#43

Isopropyl Acetate

Concen: 50.219 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VN083136.D

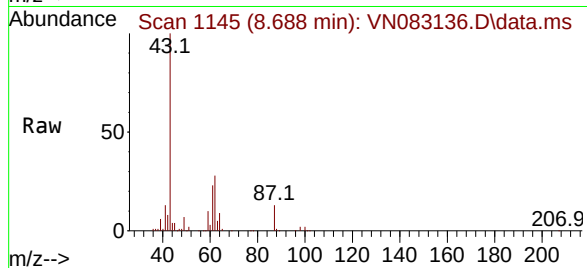
Acq: 07 Aug 2024 10:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050



Tgt Ion: 43 Resp: 32108

Ion Ratio Lower Upper

43 100

61 25.3 17.8 26.6

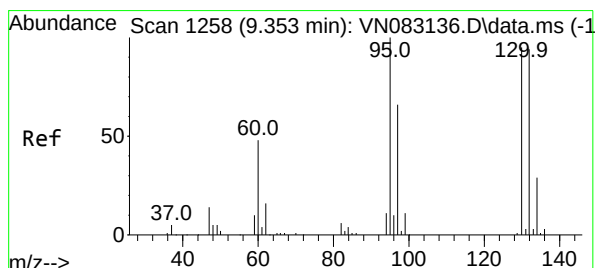
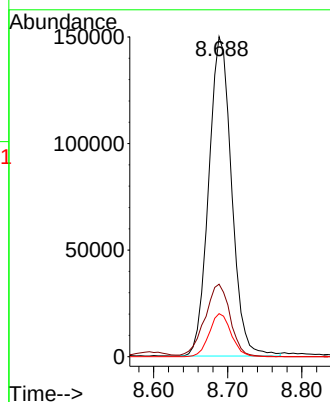
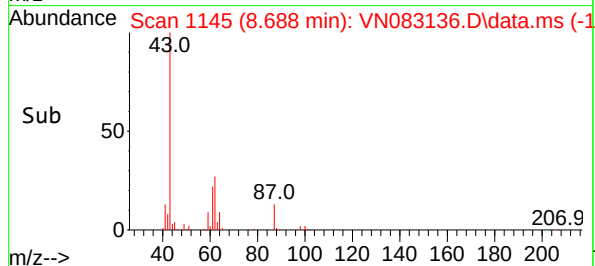
87 13.0 8.2 12.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#44

Trichloroethene

Concen: 51.383 ug/l

RT: 9.353 min Scan# 1258

Delta R.T. 0.000 min

Lab File: VN083136.D

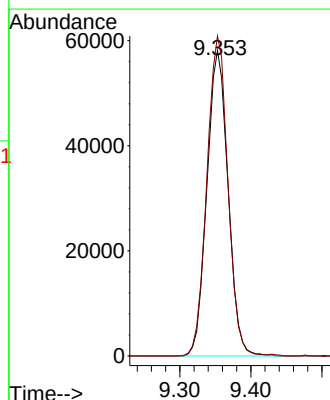
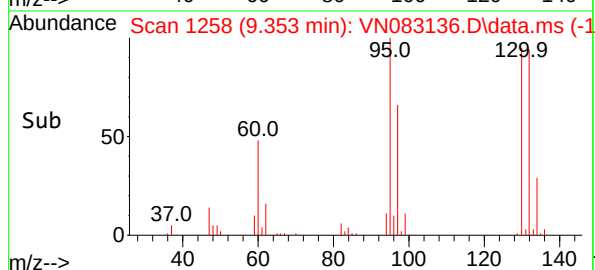
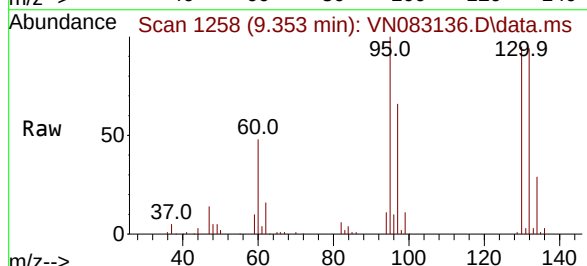
Acq: 07 Aug 2024 10:58

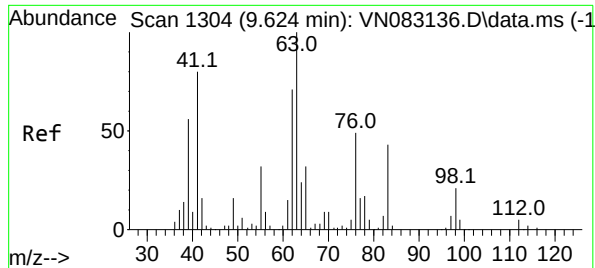
Tgt Ion:130 Resp: 119998

Ion Ratio Lower Upper

130 100

95 104.7 0.0 197.8





#45

1,2-Dichloropropane

Concen: 51.747 ug/l

RT: 9.624 min Scan# 1304

Delta R.T. 0.000 min

Lab File: VN083136.D

Acq: 07 Aug 2024 10:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 63 Resp: 120518

Ion Ratio Lower Upper

63 100

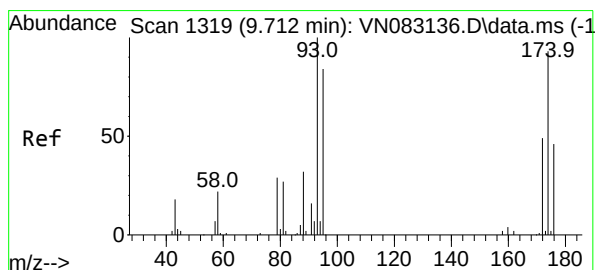
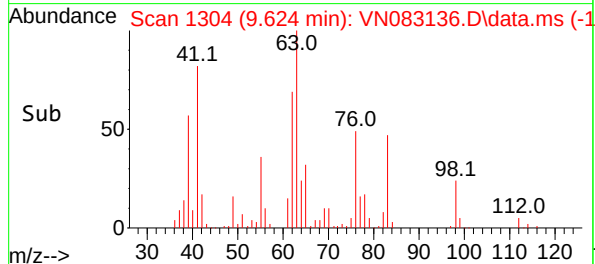
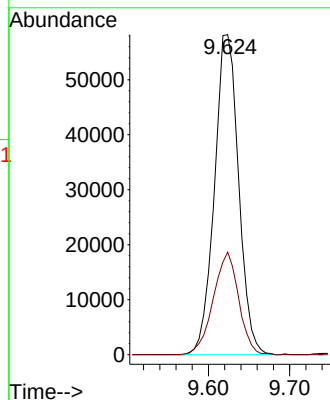
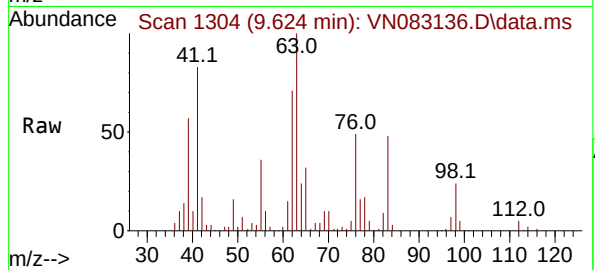
65 32.1 24.4 36.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#46

Dibromomethane

Concen: 52.436 ug/l

RT: 9.712 min Scan# 1319

Delta R.T. 0.000 min

Lab File: VN083136.D

Acq: 07 Aug 2024 10:58

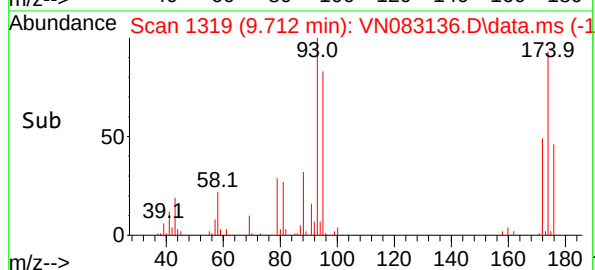
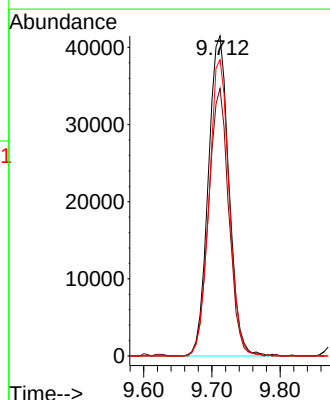
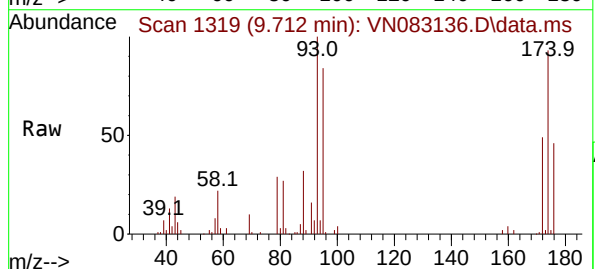
Tgt Ion: 93 Resp: 87411

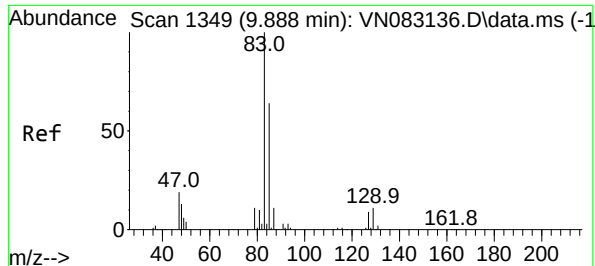
Ion Ratio Lower Upper

93 100

95 81.7 65.8 98.6

174 90.1 71.7 107.5





#47

Bromodichloromethane

Concen: 50.245 ug/l

RT: 9.888 min Scan# 1349

Delta R.T. 0.000 min

Lab File: VN083136.D

Acq: 07 Aug 2024 10:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 83 Resp: 188069

Ion Ratio Lower Upper

83 100

85 64.3 51.1 76.7

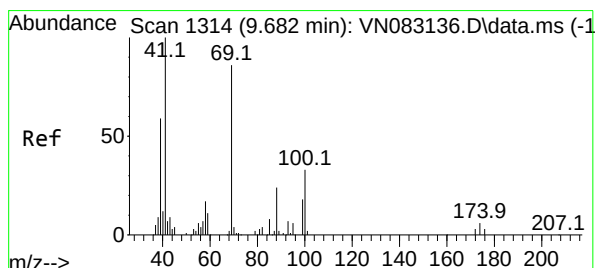
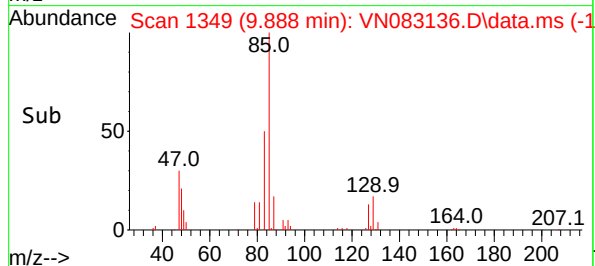
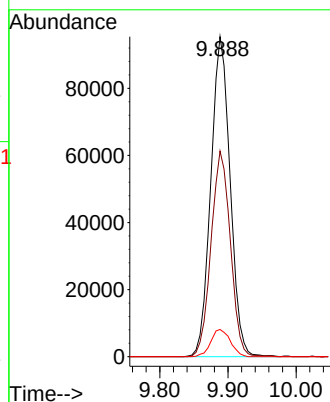
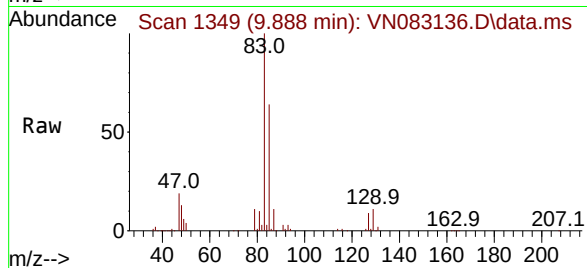
127 8.5 7.2 10.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#48

Methyl methacrylate

Concen: 48.631 ug/l

RT: 9.682 min Scan# 1314

Delta R.T. 0.000 min

Lab File: VN083136.D

Acq: 07 Aug 2024 10:58

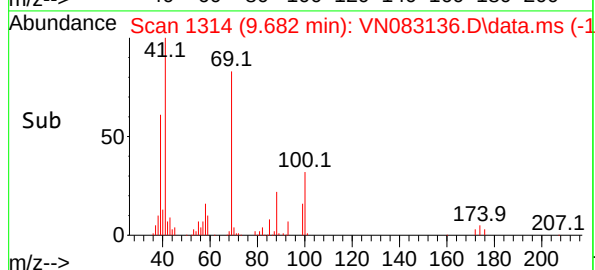
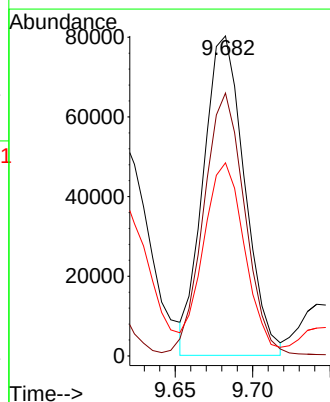
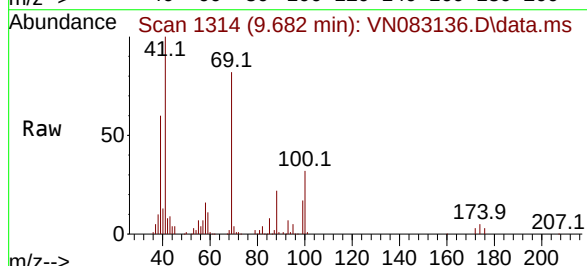
Tgt Ion: 41 Resp: 148264

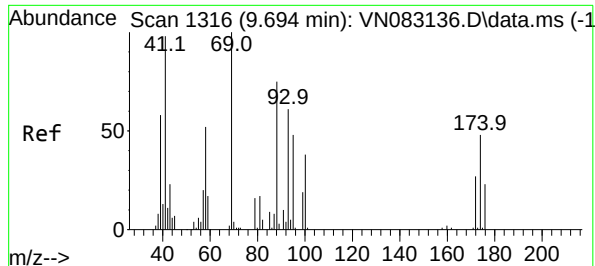
Ion Ratio Lower Upper

41 100

69 82.5 56.3 84.5

39 61.0 50.3 75.5





#49

1,4-Dioxane

Concen: 1036.917 ug/l

RT: 9.694 min Scan# 1316

Delta R.T. 0.000 min

Lab File: VN083136.D

Acq: 07 Aug 2024 10:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 88 Resp: 5703

Ion Ratio Lower Upper

88 100

43 29.1 27.8 41.8

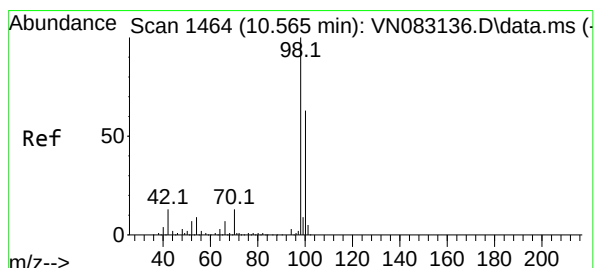
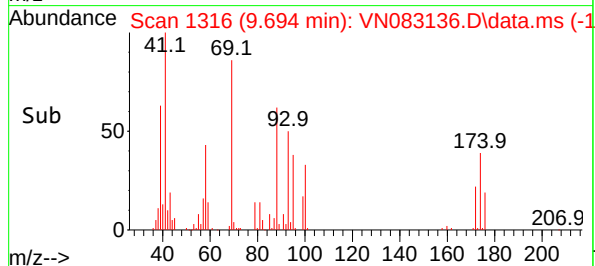
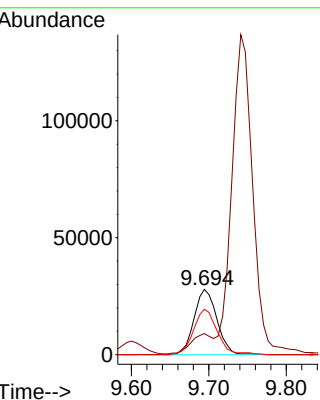
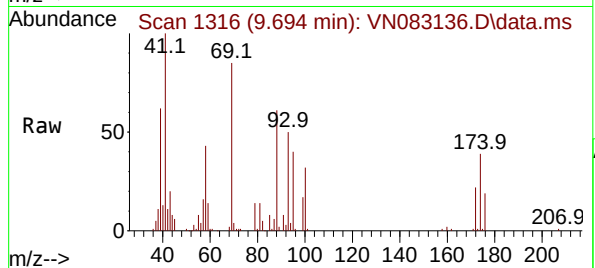
58 72.4 59.4 89.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#50

Toluene-d8

Concen: 54.174 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN083136.D

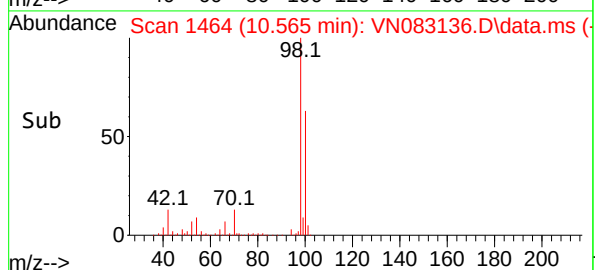
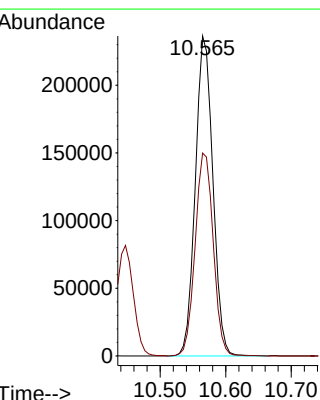
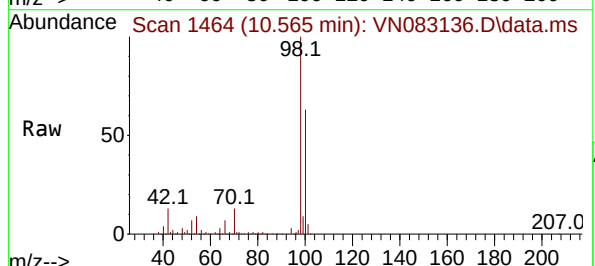
Acq: 07 Aug 2024 10:58

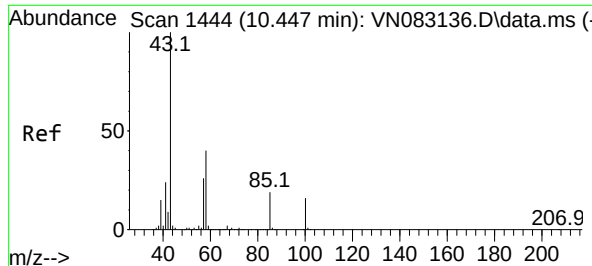
Tgt Ion: 98 Resp: 439976

Ion Ratio Lower Upper

98 100

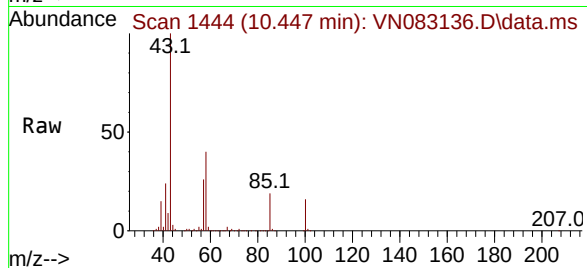
100 65.5 51.5 77.3





#51
4-Methyl-2-Pentanone
Concen: 258.493 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN083136.D
Acq: 07 Aug 2024 10:58

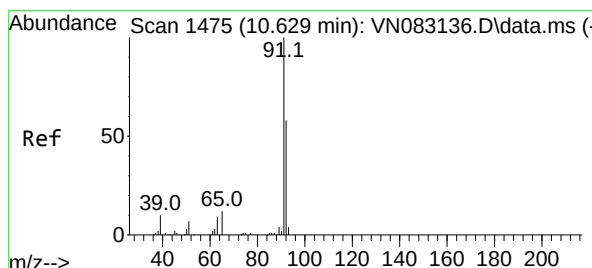
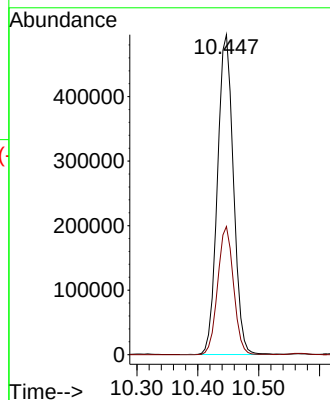
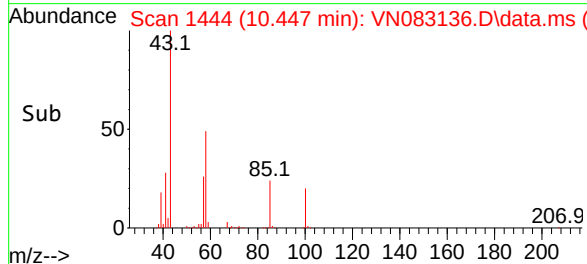
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050



Tgt Ion: 43 Resp: 90141
Ion Ratio Lower Upper
43 100
58 39.8 28.2 42.4

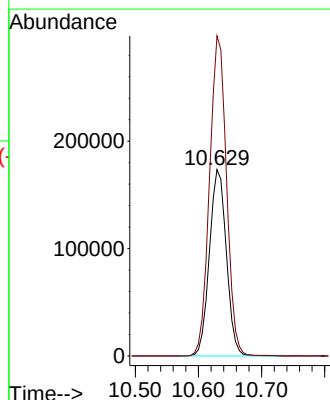
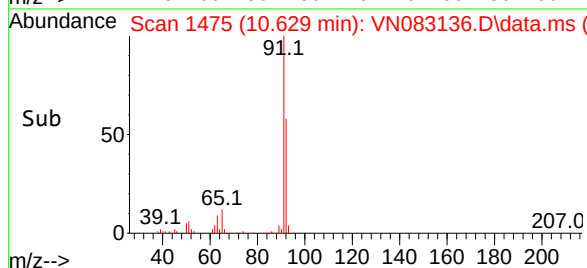
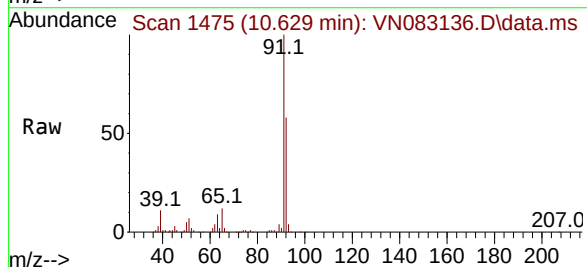
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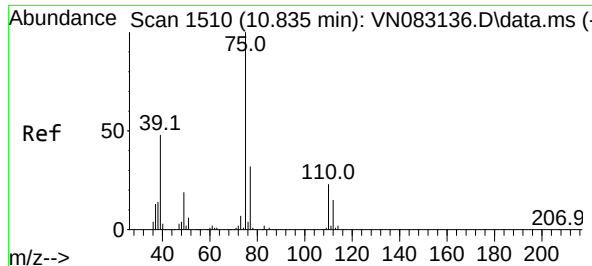
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#52
Toluene
Concen: 52.127 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN083136.D
Acq: 07 Aug 2024 10:58

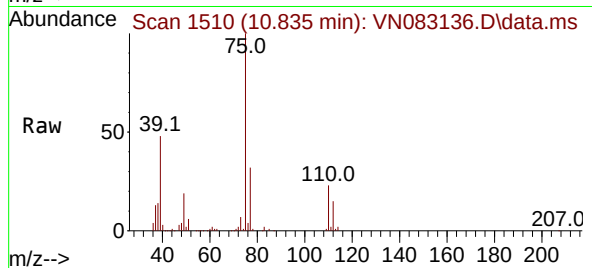
Tgt Ion: 92 Resp: 323148
Ion Ratio Lower Upper
92 100
91 172.1 139.4 209.0





#53
t-1,3-Dichloropropene
Concen: 54.205 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. 0.000 min
Lab File: VN083136.D
Acq: 07 Aug 2024 10:58

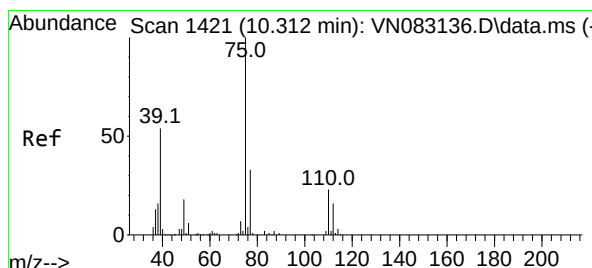
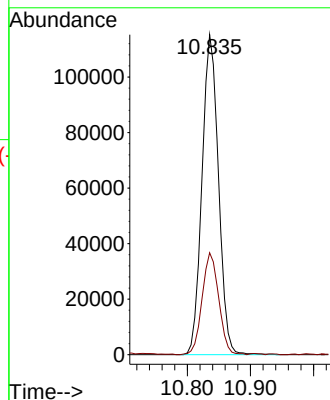
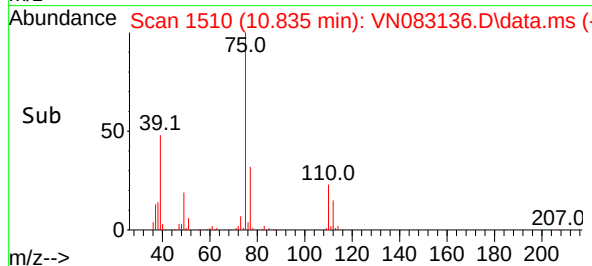
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050



Tgt Ion: 75 Resp: 20841
Ion Ratio Lower Upper
75 100
77 31.9 25.7 38.5

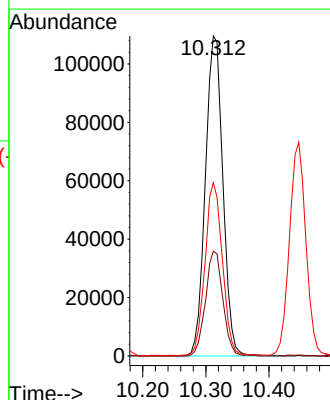
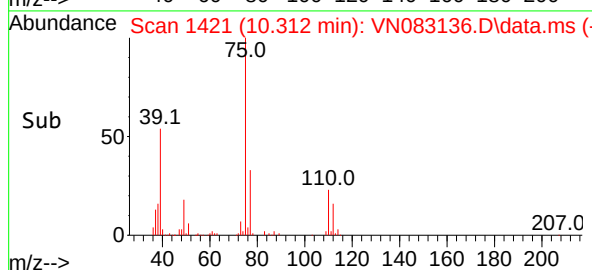
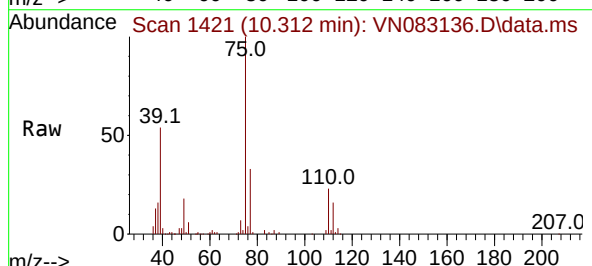
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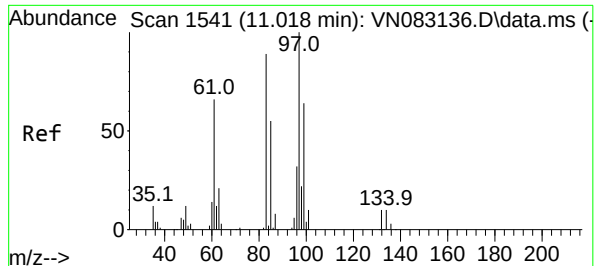
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#54
cis-1,3-Dichloropropene
Concen: 51.692 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.000 min
Lab File: VN083136.D
Acq: 07 Aug 2024 10:58

Tgt Ion: 75 Resp: 211396
Ion Ratio Lower Upper
75 100
77 32.8 24.3 36.5
39 54.0 50.5 75.7





#55

1,1,2-Trichloroethane

Concen: 52.387 ug/l

RT: 11.018 min Scan# 1541

Delta R.T. 0.000 min

Lab File: VN083136.D

Acq: 07 Aug 2024 10:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 97 Resp: 116384

Ion Ratio Lower Upper

97 100

83 89.4 71.4 107.0

85 55.4 45.8 68.6

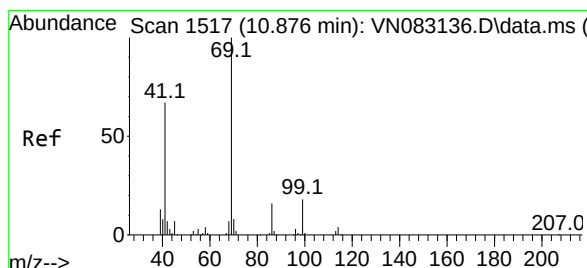
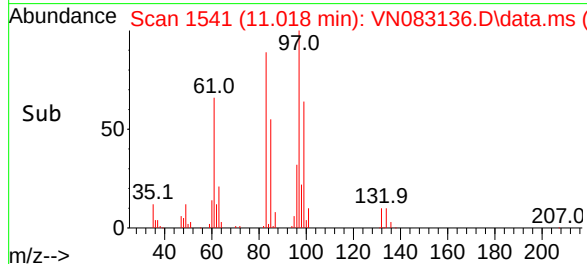
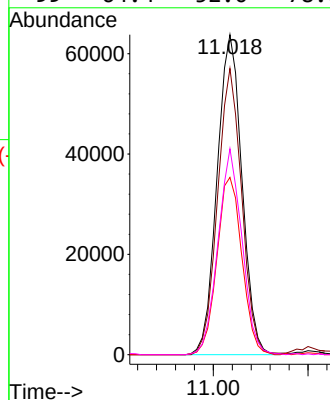
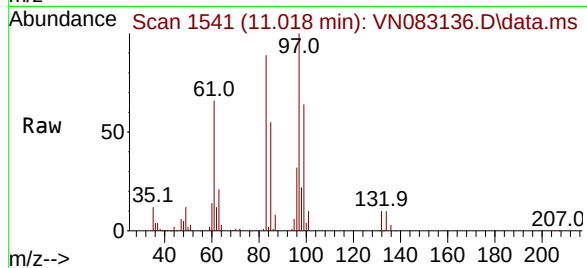
99 64.4 52.0 78.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#56

Ethyl methacrylate

Concen: 51.964 ug/l

RT: 10.876 min Scan# 1517

Delta R.T. 0.000 min

Lab File: VN083136.D

Acq: 07 Aug 2024 10:58

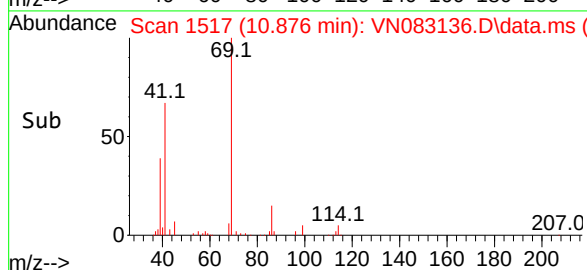
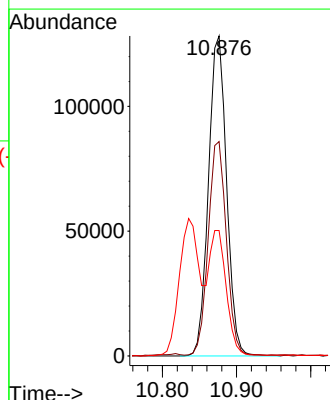
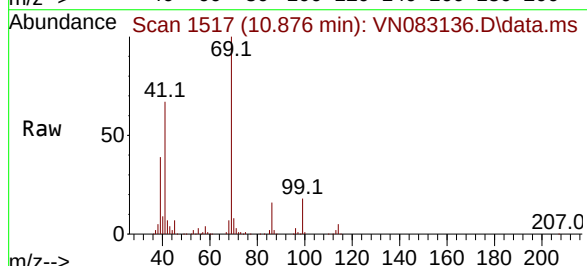
Tgt Ion: 69 Resp: 217635

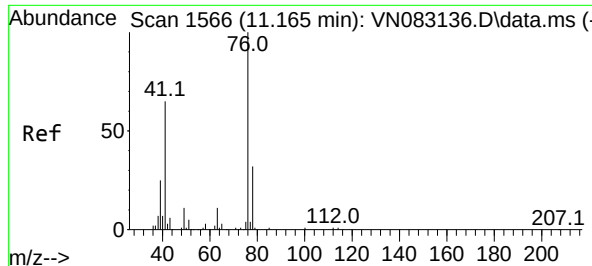
Ion Ratio Lower Upper

69 100

41 66.9 63.4 95.2

39 35.2 37.4 56.0#





#57

1,3-Dichloropropane

Concen: 52.133 ug/l

RT: 11.165 min Scan# 1566

Delta R.T. 0.000 min

Lab File: VN083136.D

Acq: 07 Aug 2024 10:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 76 Resp: 20644

Ion Ratio Lower Upper

76 100

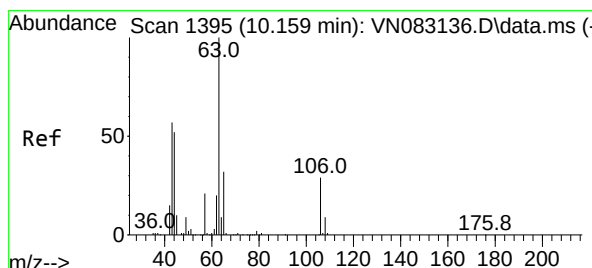
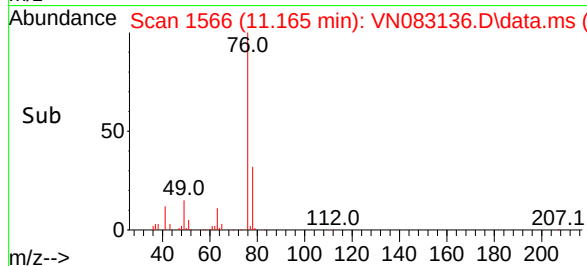
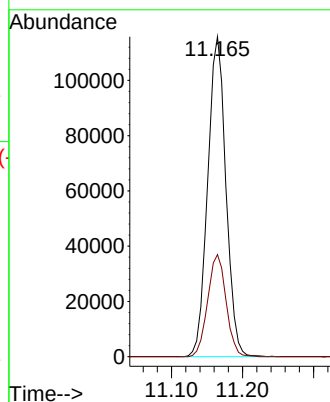
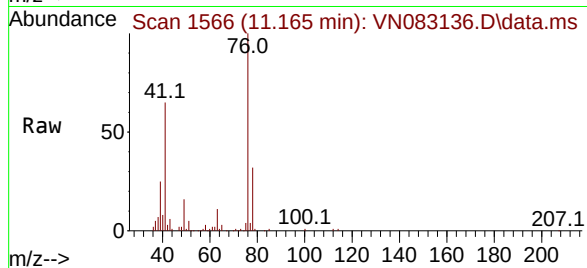
78 32.2 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#58

2-Chloroethyl Vinyl ether

Concen: 256.939 ug/l

RT: 10.159 min Scan# 1395

Delta R.T. 0.000 min

Lab File: VN083136.D

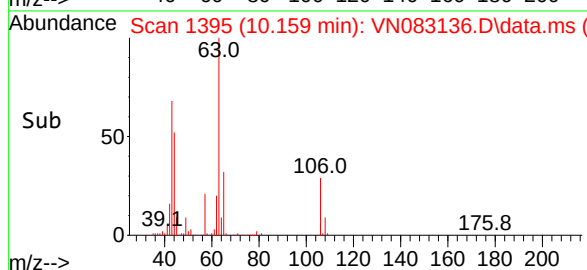
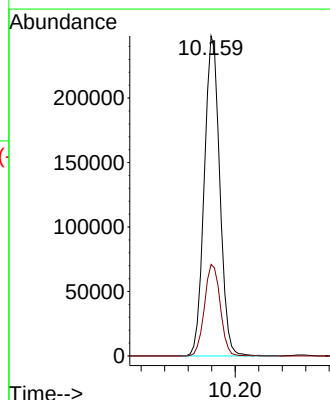
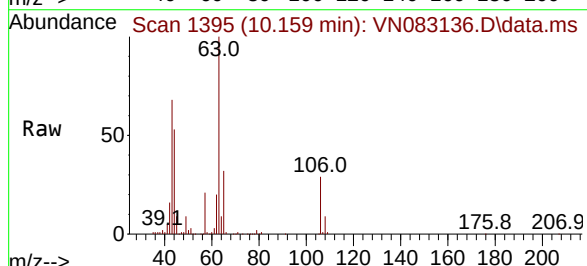
Acq: 07 Aug 2024 10:58

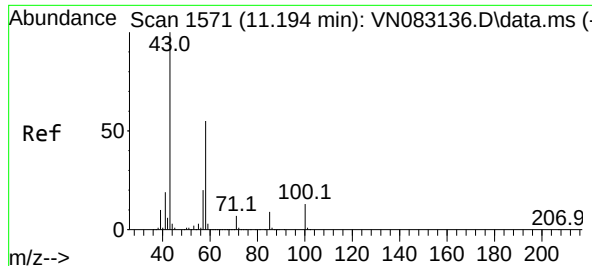
Tgt Ion: 63 Resp: 454871

Ion Ratio Lower Upper

63 100

106 29.0 21.4 32.0





#59

2-Hexanone

Concen: 256.396 ug/l

RT: 11.194 min Scan# 1571

Delta R.T. 0.000 min

Lab File: VN083136.D

Acq: 07 Aug 2024 10:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 691708

Ion Ratio Lower Upper

43 100

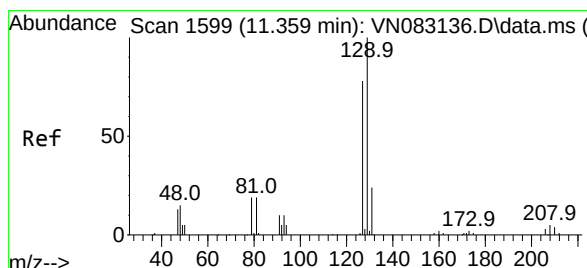
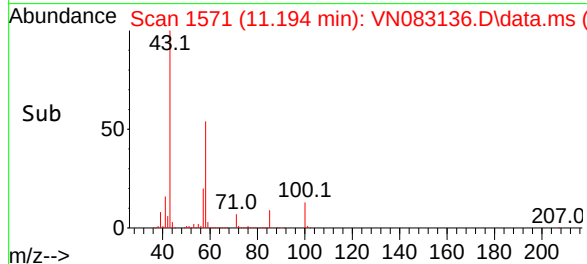
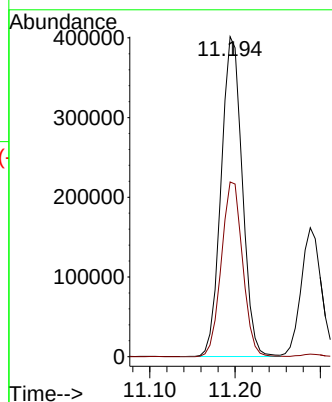
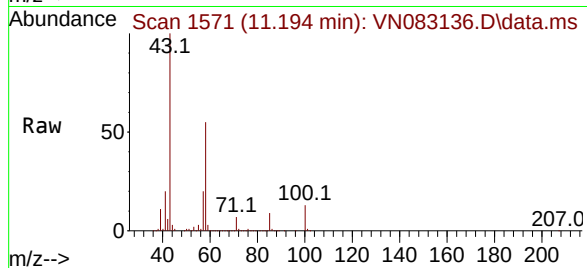
58 54.9 24.6 73.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#60

Dibromochloromethane

Concen: 53.688 ug/l

RT: 11.359 min Scan# 1599

Delta R.T. 0.000 min

Lab File: VN083136.D

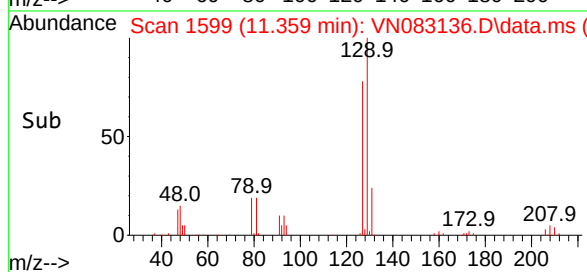
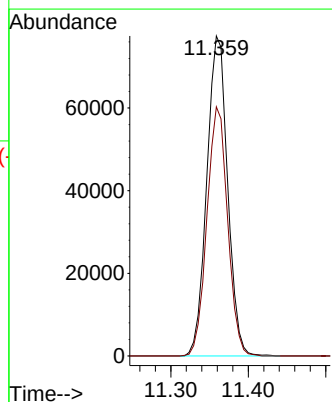
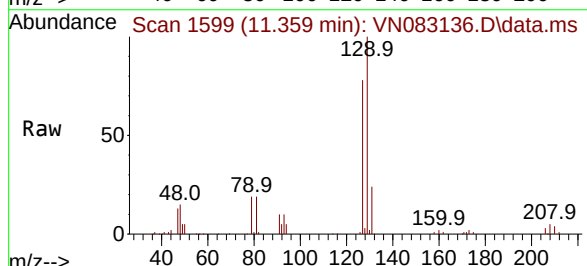
Acq: 07 Aug 2024 10:58

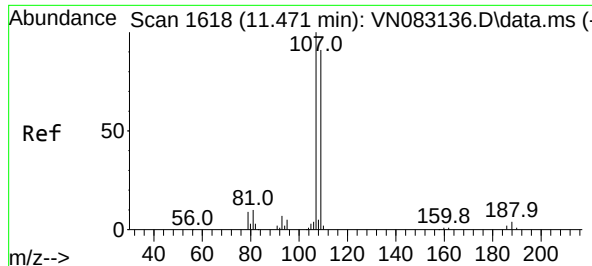
Tgt Ion:129 Resp: 144208

Ion Ratio Lower Upper

129 100

127 77.4 39.2 117.6





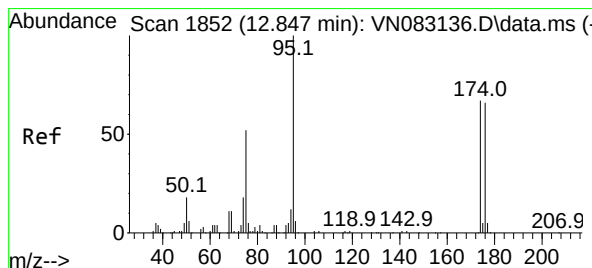
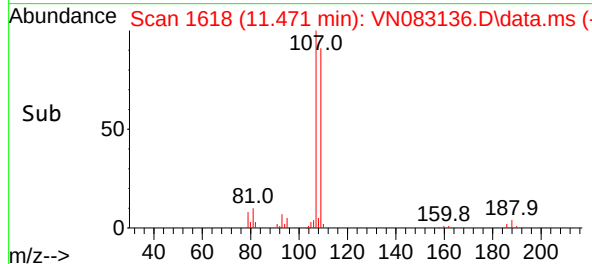
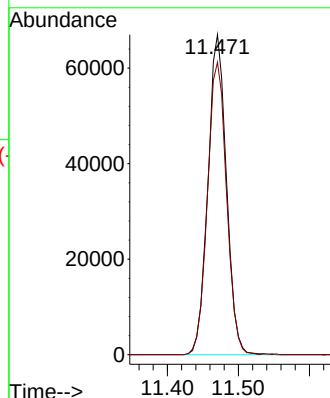
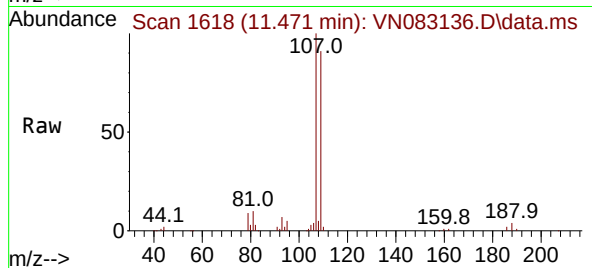
#61
1,2-Dibromoethane
Concen: 51.912 ug/l
RT: 11.471 min Scan# 1618
Delta R.T. 0.000 min
Lab File: VN083136.D
Acq: 07 Aug 2024 10:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:107 Resp: 12115
Ion Ratio Lower Upper
107 100
109 94.4 73.7 110.5

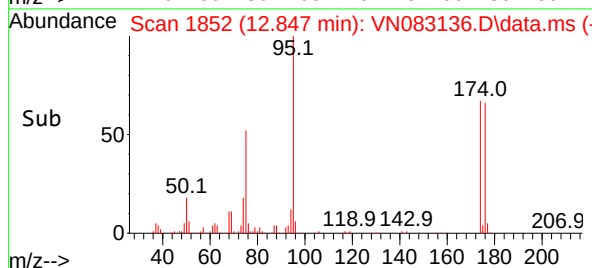
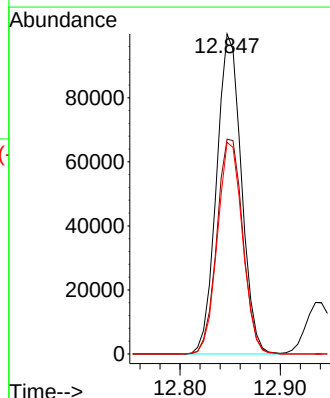
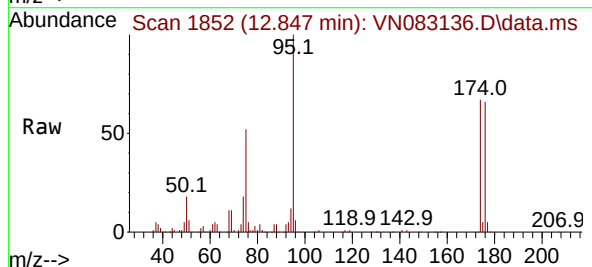
Manual Integrations
APPROVED

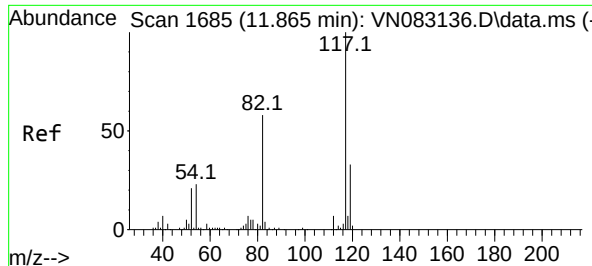
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#62
4-Bromofluorobenzene
Concen: 54.173 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN083136.D
Acq: 07 Aug 2024 10:58

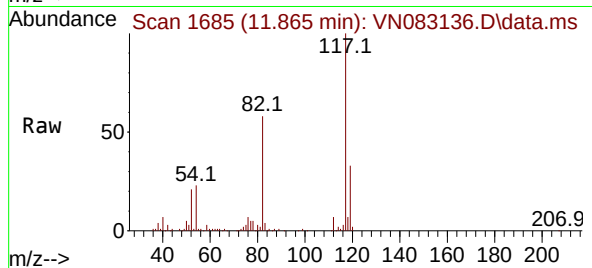
Tgt Ion: 95 Resp: 171524
Ion Ratio Lower Upper
95 100
174 70.0 0.0 159.2
176 66.9 0.0 147.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN083136.D
Acq: 07 Aug 2024 10:58

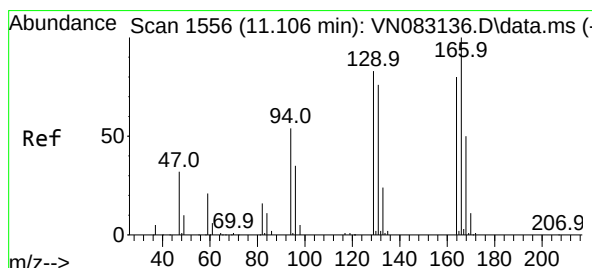
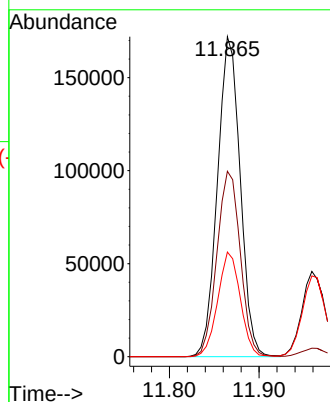
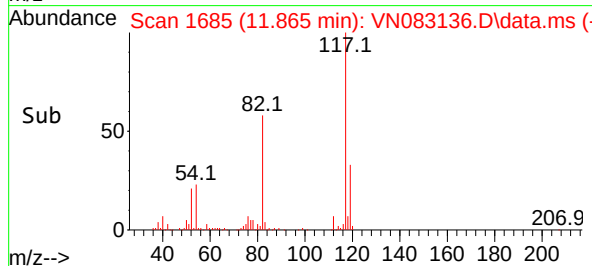
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050



Tgt Ion:117 Resp: 303118
Ion Ratio Lower Upper
117 100
82 57.9 47.5 71.3
119 32.7 25.6 38.4

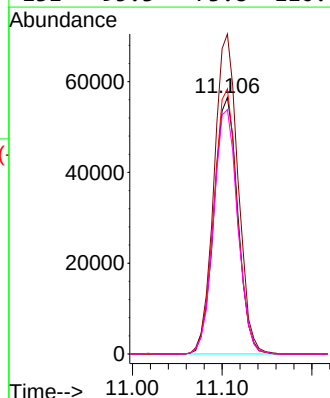
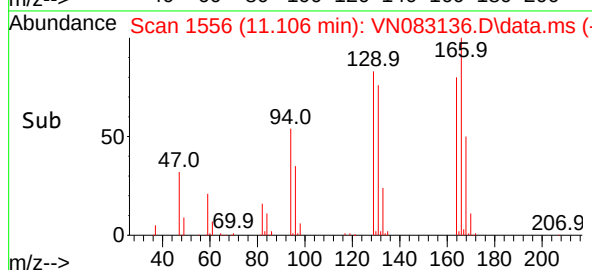
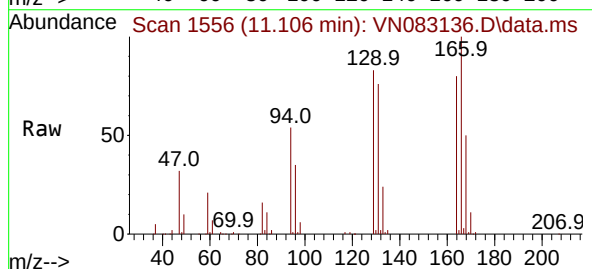
Manual Integrations
APPROVED

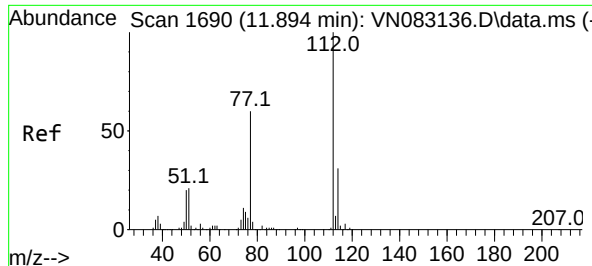
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#64
Tetrachloroethene
Concen: 51.784 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. 0.000 min
Lab File: VN083136.D
Acq: 07 Aug 2024 10:58

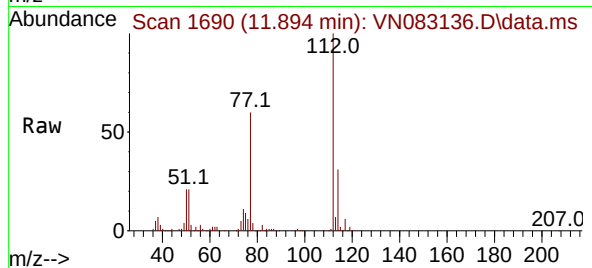
Tgt Ion:164 Resp: 103955
Ion Ratio Lower Upper
164 100
166 124.8 101.4 152.0
129 103.3 75.7 113.5
131 95.3 73.8 110.6





#65
Chlorobenzene
Concen: 51.679 ug/l
RT: 11.894 min Scan# 1690
Delta R.T. 0.000 min
Lab File: VN083136.D
Acq: 07 Aug 2024 10:58

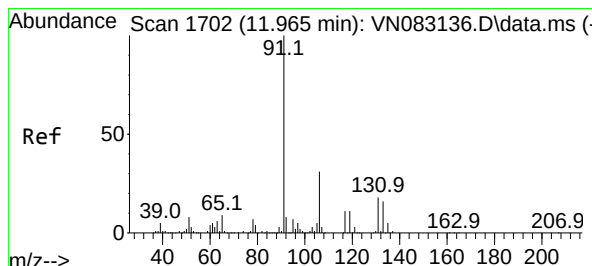
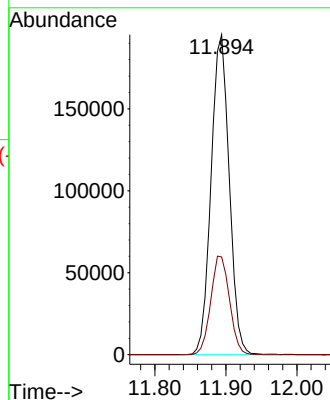
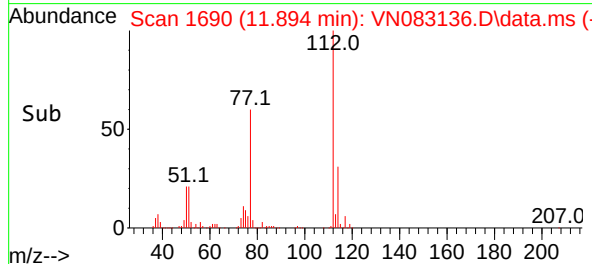
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050



Tgt Ion:112 Resp: 346172
Ion Ratio Lower Upper
112 100
114 30.6 26.2 39.2

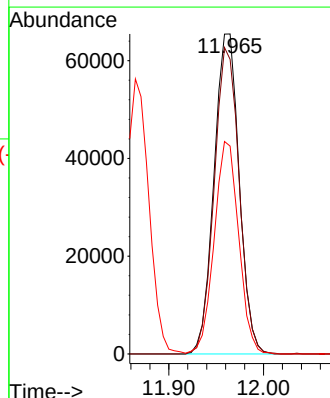
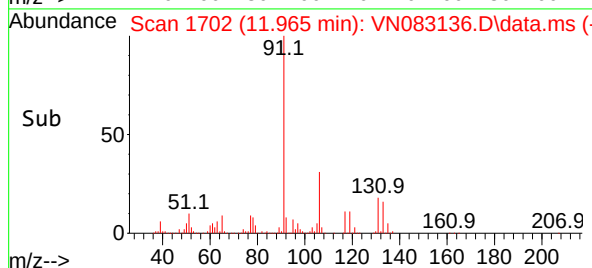
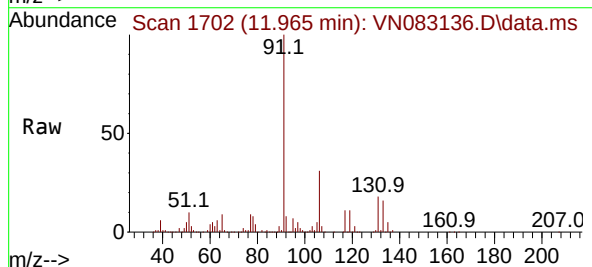
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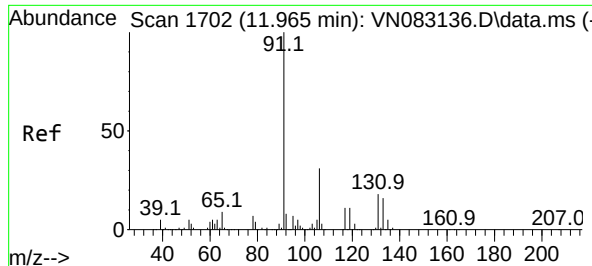
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#66
1,1,1,2-Tetrachloroethane
Concen: 51.242 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.000 min
Lab File: VN083136.D
Acq: 07 Aug 2024 10:58

Tgt Ion:131 Resp: 121057
Ion Ratio Lower Upper
131 100
133 94.9 47.3 142.0
119 64.7 32.5 97.4





#67

Ethyl Benzene

Concen: 51.179 ug/l

RT: 11.965 min Scan# 1702

Delta R.T. 0.000 min

Lab File: VN083136.D

Acq: 07 Aug 2024 10:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 91 Resp: 628900

Ion Ratio Lower Upper

91 100

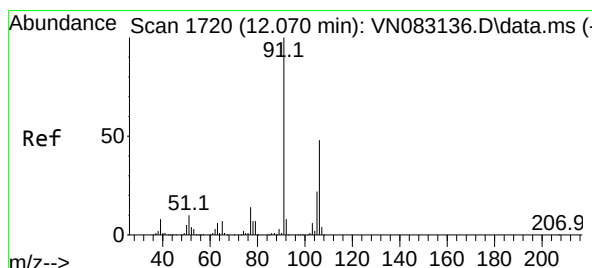
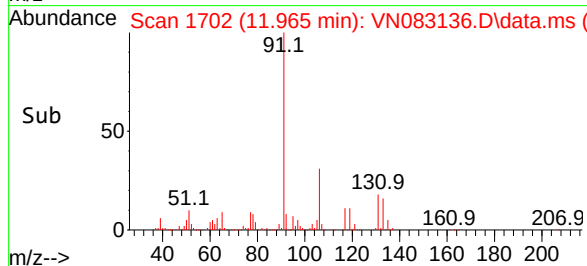
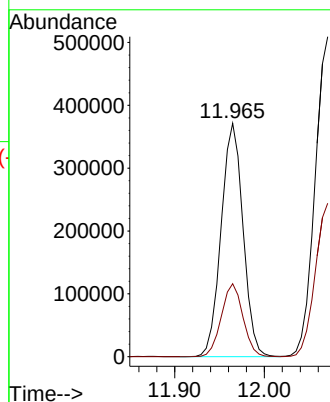
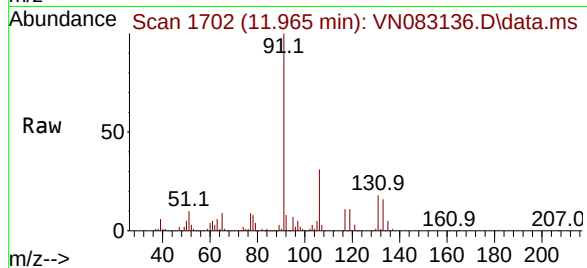
106 31.3 24.0 36.0

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Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#68

m/p-Xylenes

Concen: 103.683 ug/l

RT: 12.070 min Scan# 1720

Delta R.T. 0.000 min

Lab File: VN083136.D

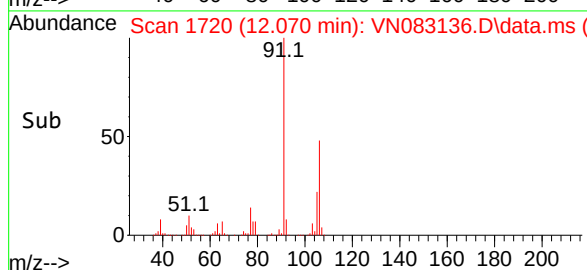
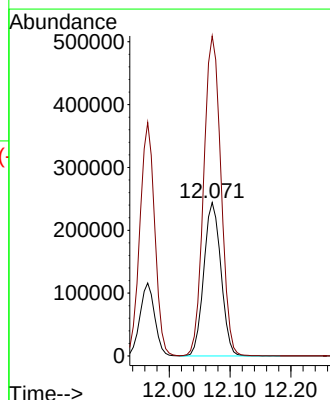
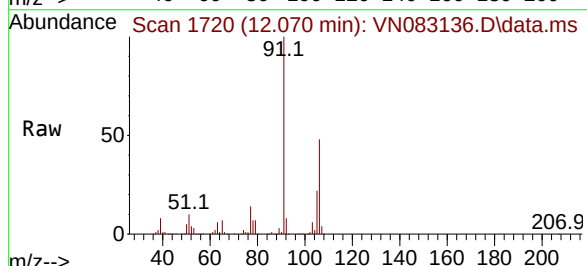
Acq: 07 Aug 2024 10:58

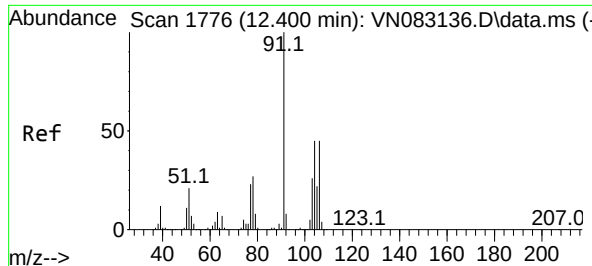
Tgt Ion:106 Resp: 477261

Ion Ratio Lower Upper

106 100

91 209.9 166.1 249.1





#69

o-Xylene

Concen: 51.638 ug/l

RT: 12.400 min Scan# 1776

Delta R.T. 0.000 min

Lab File: VN083136.D

Acq: 07 Aug 2024 10:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion:106 Resp: 234432

Ion Ratio Lower Upper

106 100

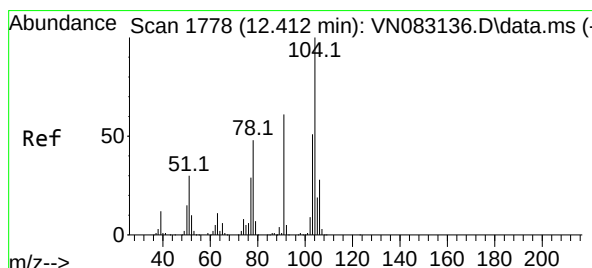
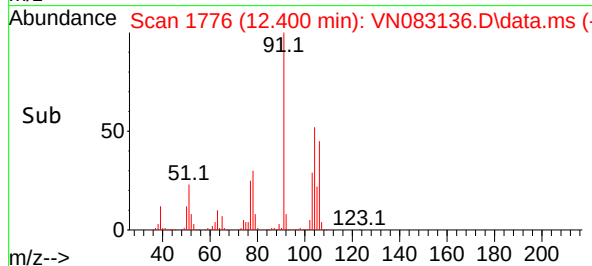
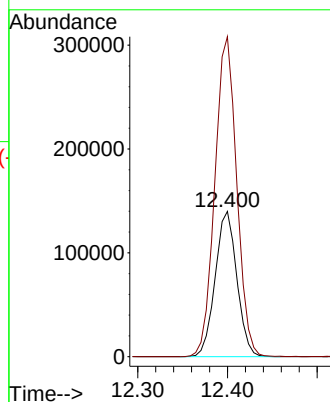
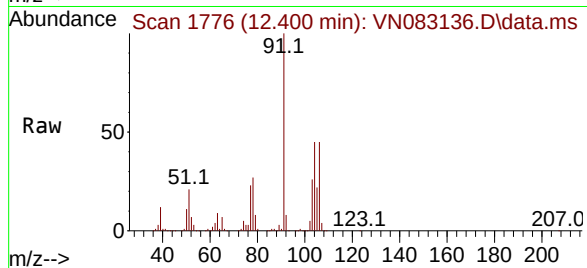
91 222.4 111.3 333.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#70

Styrene

Concen: 53.115 ug/l

RT: 12.412 min Scan# 1778

Delta R.T. 0.000 min

Lab File: VN083136.D

Acq: 07 Aug 2024 10:58

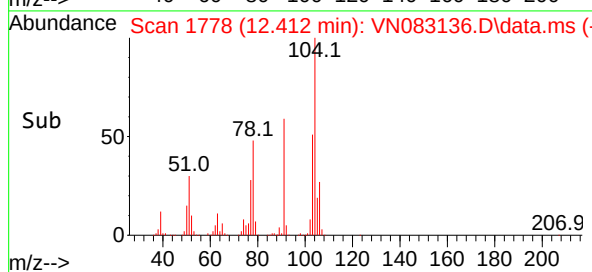
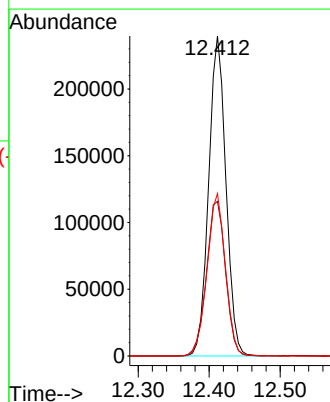
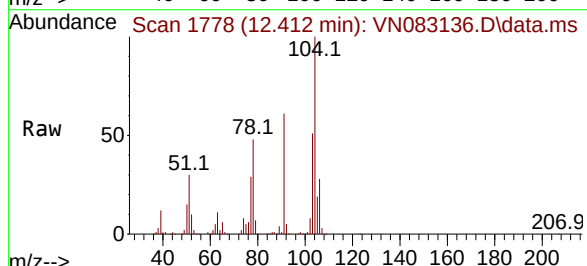
Tgt Ion:104 Resp: 405002

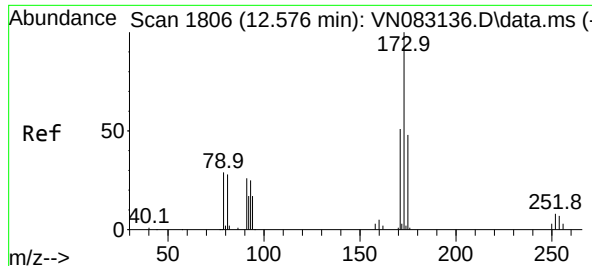
Ion Ratio Lower Upper

104 100

78 53.4 41.6 62.4

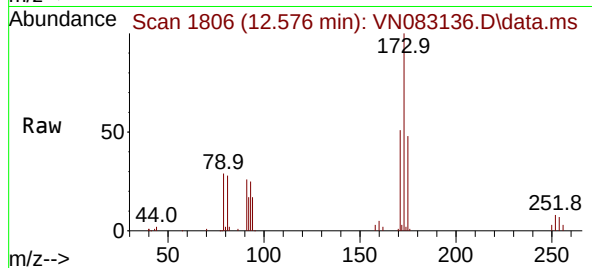
103 53.7 44.0 66.0





#71
Bromoform
Concen: 53.850 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VN083136.D
Acq: 07 Aug 2024 10:58

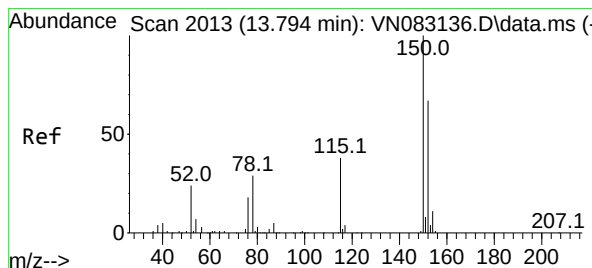
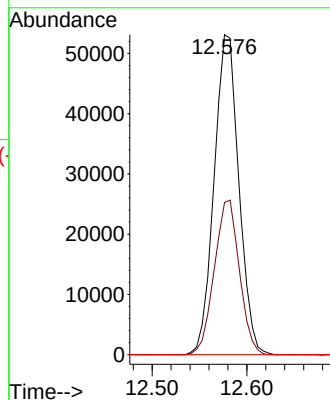
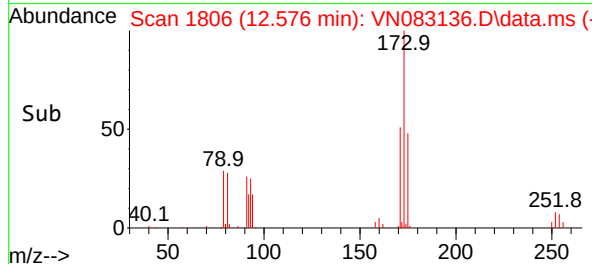
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050



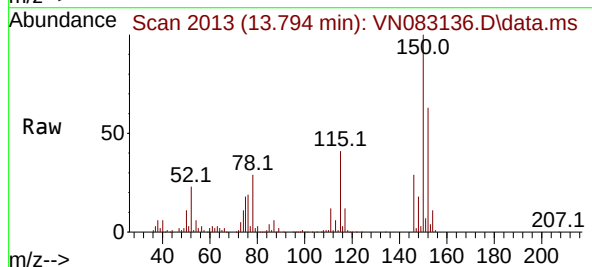
Tgt Ion:173 Resp: 9637
Ion Ratio Lower Upper
173 100
175 48.9 24.0 72.0
254 0.0 0.0 0.0

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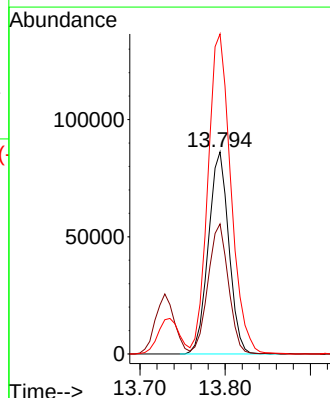
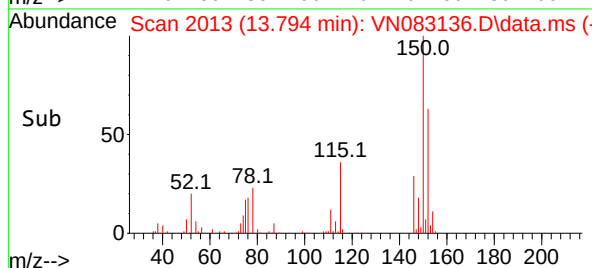
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024

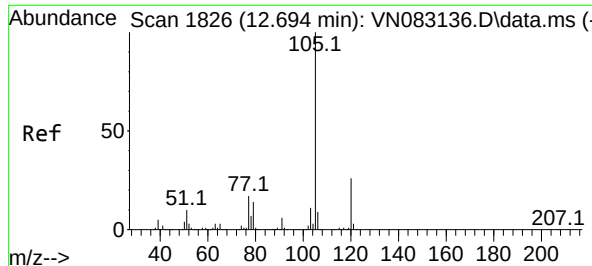


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN083136.D
Acq: 07 Aug 2024 10:58



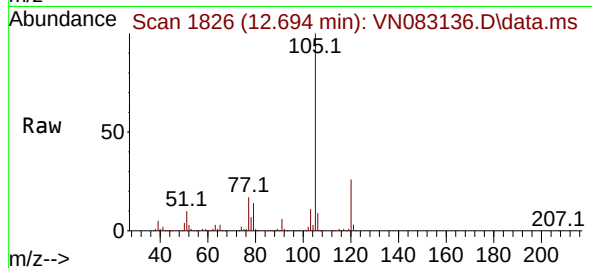
Tgt Ion:152 Resp: 143466
Ion Ratio Lower Upper
152 100
115 63.9 30.6 91.6
150 177.7 0.0 348.6





#73
Isopropylbenzene
Concen: 50.795 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN083136.D
Acq: 07 Aug 2024 10:58

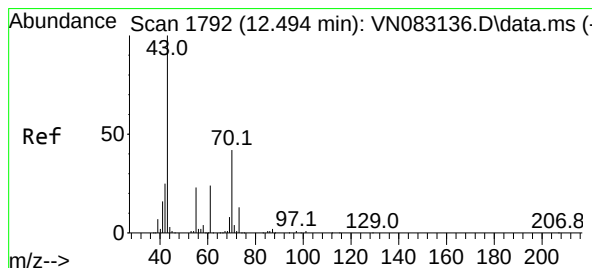
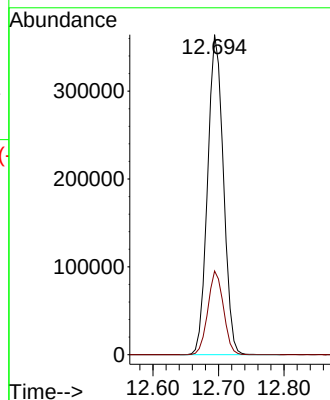
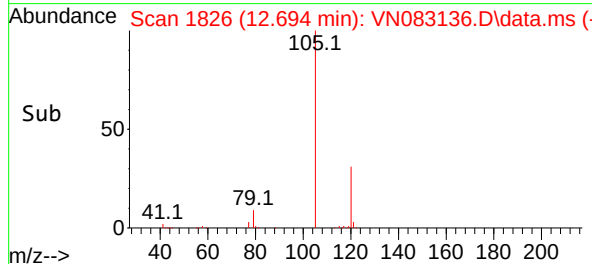
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050



Tgt Ion:105 Resp: 609529
Ion Ratio Lower Upper
105 100
120 25.8 12.9 38.6

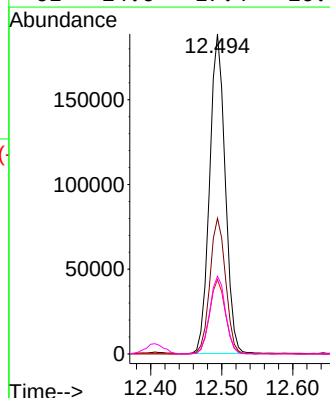
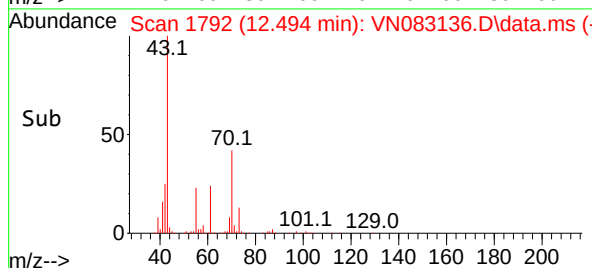
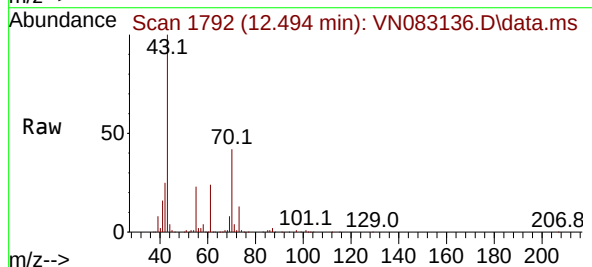
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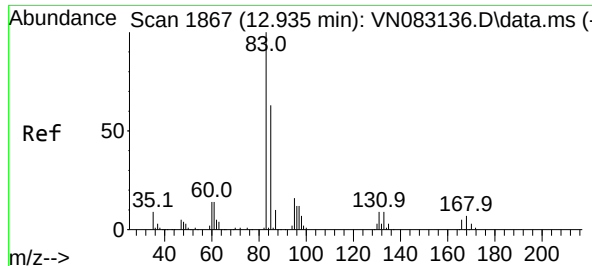
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#74
N-ethyl acetate
Concen: 48.950 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VN083136.D
Acq: 07 Aug 2024 10:58

Tgt Ion: 43 Resp: 287319
Ion Ratio Lower Upper
43 100
70 42.7 29.8 44.6
55 23.8 18.7 28.1
61 24.6 17.4 26.0





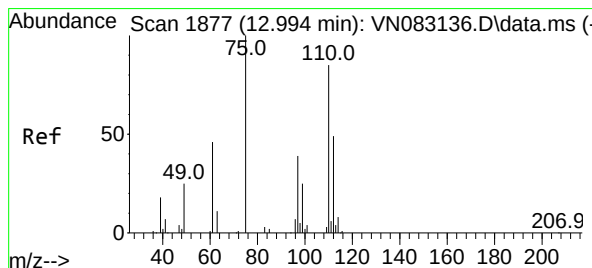
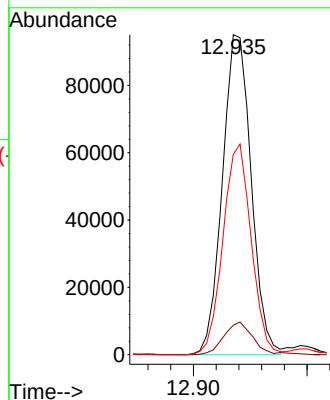
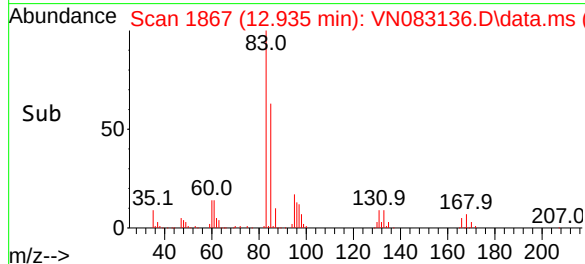
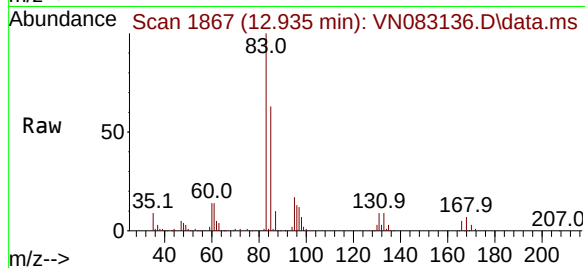
#75
1,1,2,2-Tetrachloroethane
Concen: 49.349 ug/l
RT: 12.935 min Scan# 1867
Delta R.T. 0.000 min
Lab File: VN083136.D
Acq: 07 Aug 2024 10:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 167489
Ion Ratio Lower Upper
83 100
131 10.4 5.0 14.9
85 64.4 31.9 95.7

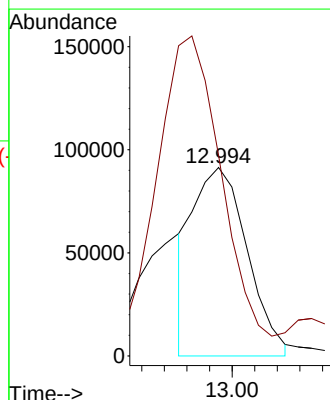
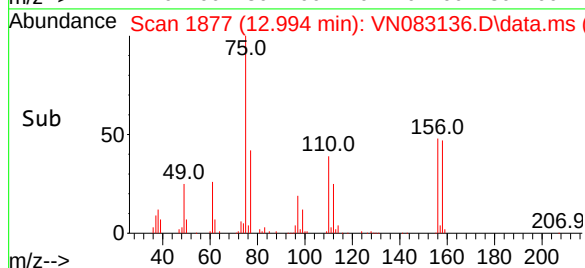
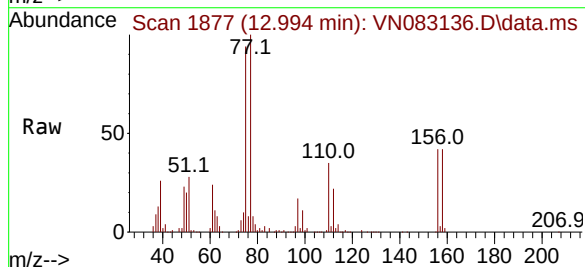
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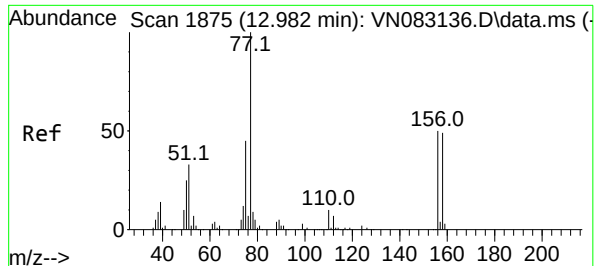
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#76
1,2,3-Trichloropropane
Concen: 48.363 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.000 min
Lab File: VN083136.D
Acq: 07 Aug 2024 10:58

Tgt Ion: 75 Resp: 152531
Ion Ratio Lower Upper
75 100
77 207.4 110.9 332.6





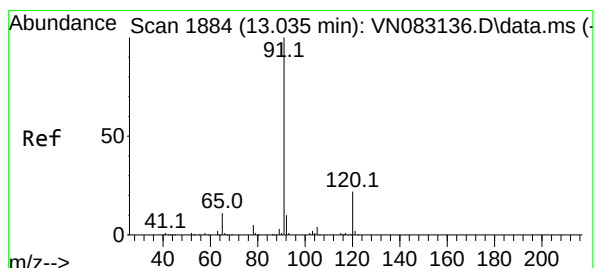
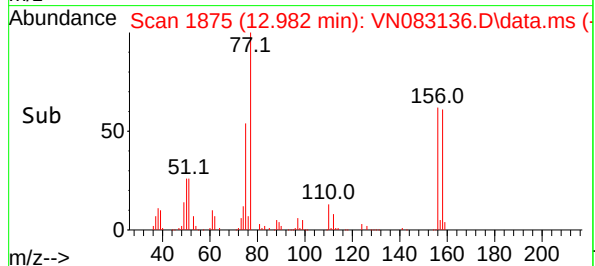
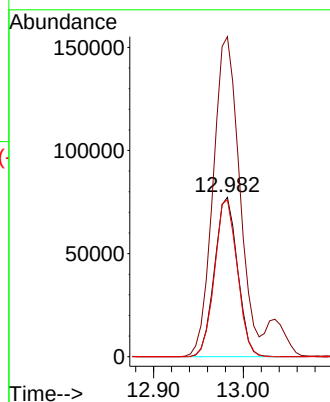
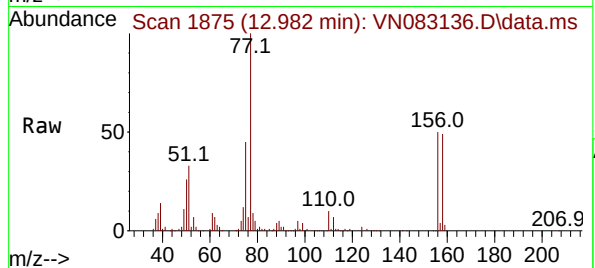
#77
Bromobenzene
Concen: 51.587 ug/l
RT: 12.982 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VN083136.D
Acq: 07 Aug 2024 10:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:156 Resp: 137514
Ion Ratio Lower Upper
156 100
77 230.1 111.3 333.8
158 97.4 48.3 144.9

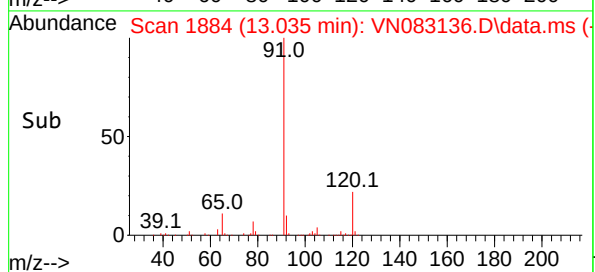
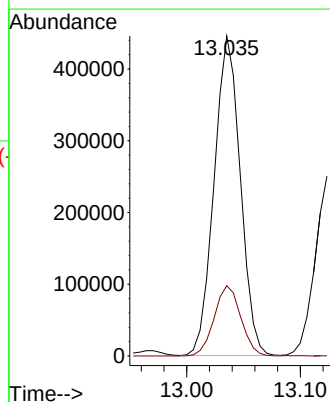
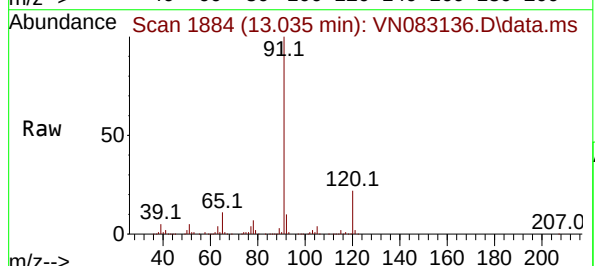
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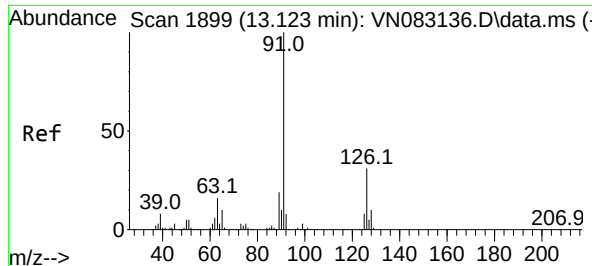
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#78
n-propylbenzene
Concen: 51.584 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN083136.D
Acq: 07 Aug 2024 10:58

Tgt Ion: 91 Resp: 712768
Ion Ratio Lower Upper
91 100
120 22.3 10.9 32.9





#79

2-Chlorotoluene

Concen: 50.371 ug/l

RT: 13.123 min Scan# 1899

Delta R.T. 0.000 min

Lab File: VN083136.D

Acq: 07 Aug 2024 10:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 91 Resp: 441262

Ion Ratio Lower Upper

91 100

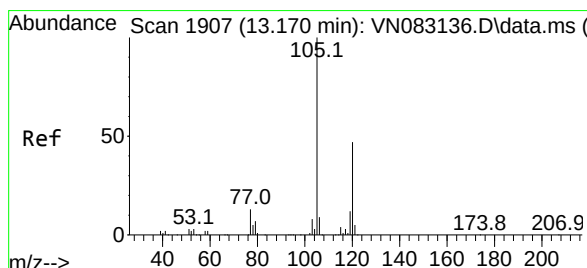
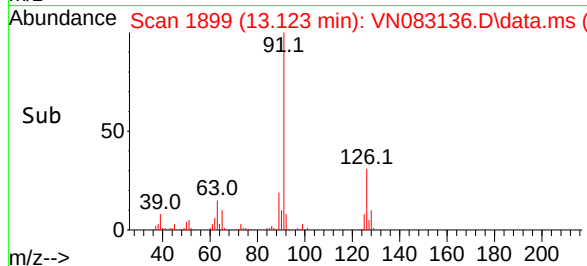
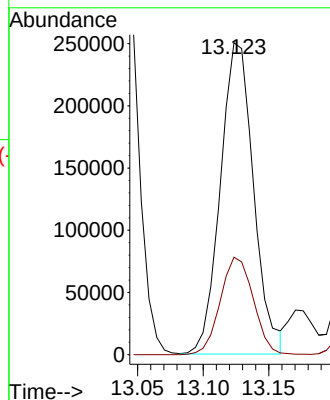
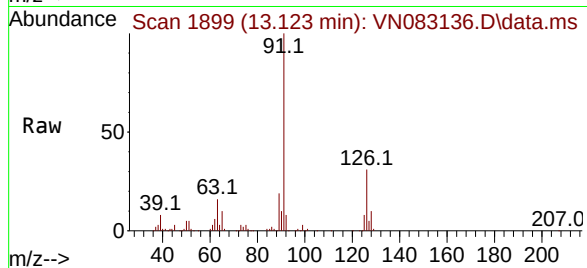
126 31.1 16.2 48.6

Manual Integrations

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Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#80

1,3,5-Trimethylbenzene

Concen: 51.254 ug/l

RT: 13.170 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VN083136.D

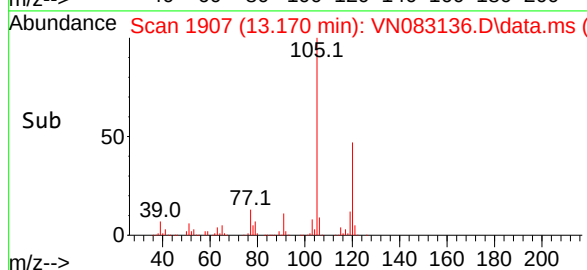
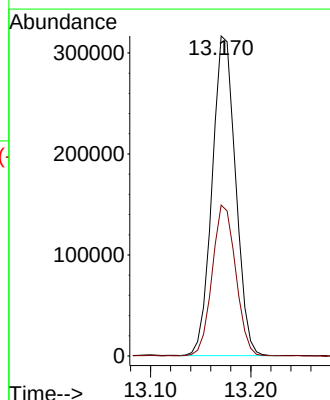
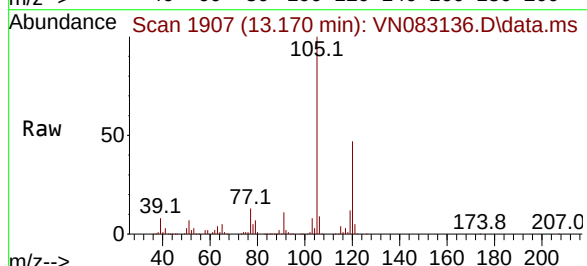
Acq: 07 Aug 2024 10:58

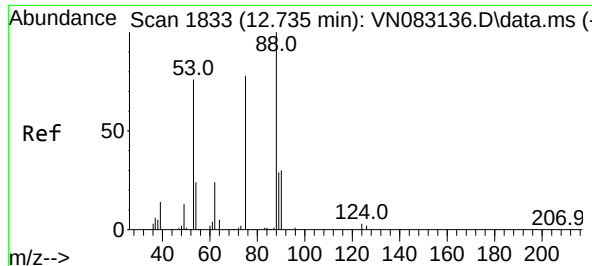
Tgt Ion:105 Resp: 514918

Ion Ratio Lower Upper

105 100

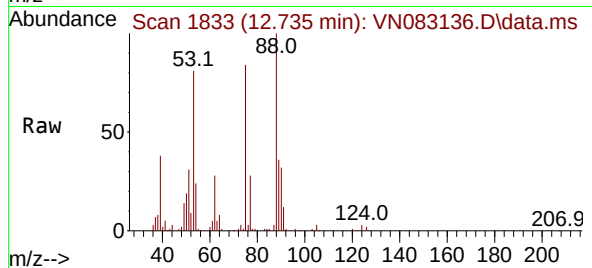
120 47.5 24.3 72.8





#81
trans-1,4-Dichloro-2-butene
Concen: 48.894 ug/l
RT: 12.735 min Scan# 1833
Delta R.T. 0.000 min
Lab File: VN083136.D
Acq: 07 Aug 2024 10:58

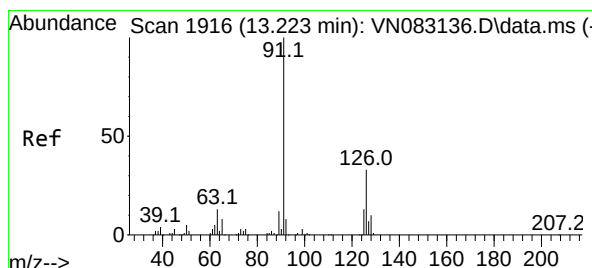
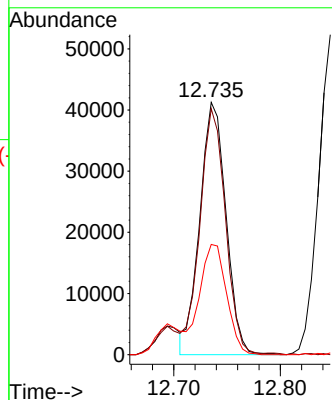
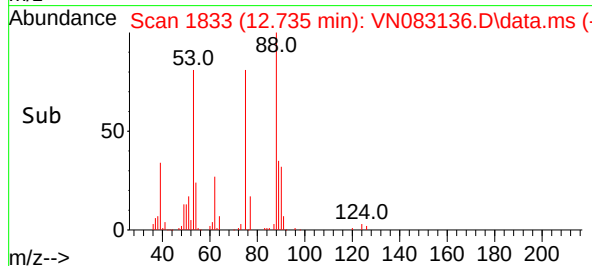
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050



Tgt Ion: 75 Resp: 70770
Ion Ratio Lower Upper
75 100
53 94.2 88.4 132.6
89 44.3 36.3 54.5

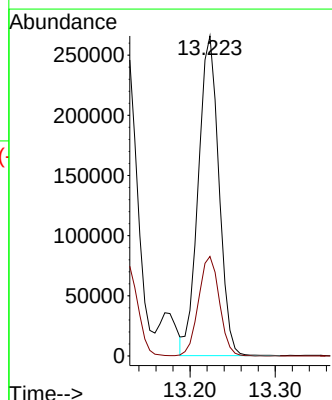
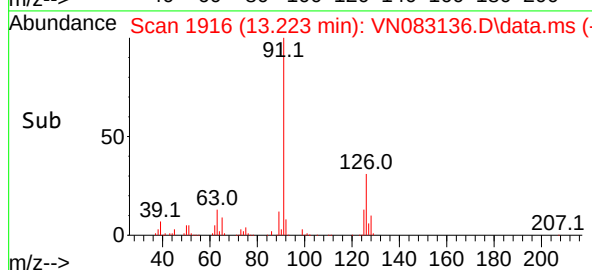
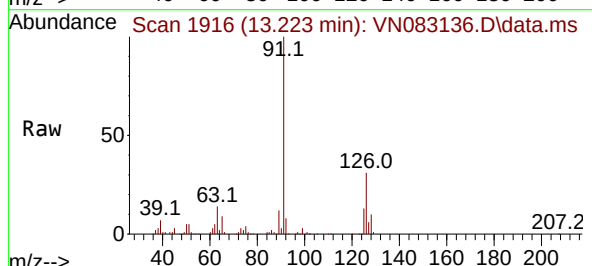
Manual Integrations
APPROVED

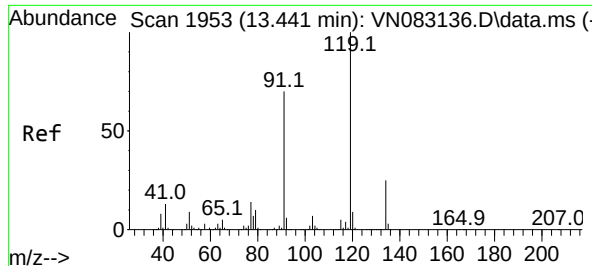
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#82
4-Chlorotoluene
Concen: 50.684 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. 0.000 min
Lab File: VN083136.D
Acq: 07 Aug 2024 10:58

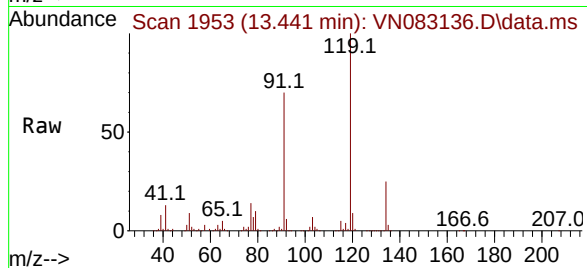
Tgt Ion: 91 Resp: 445369
Ion Ratio Lower Upper
91 100
126 31.6 16.2 48.6





#83
tert-Butylbenzene
Concen: 50.983 ug/l
RT: 13.441 min Scan# 1953
Delta R.T. 0.000 min
Lab File: VN083136.D
Acq: 07 Aug 2024 10:58

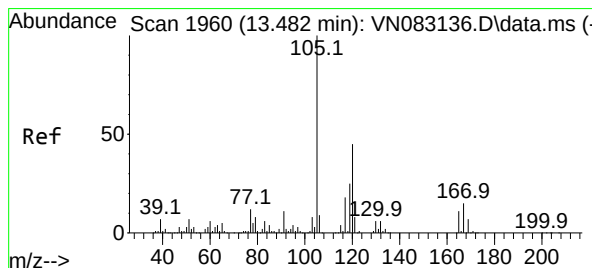
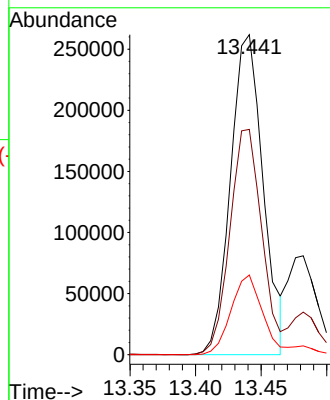
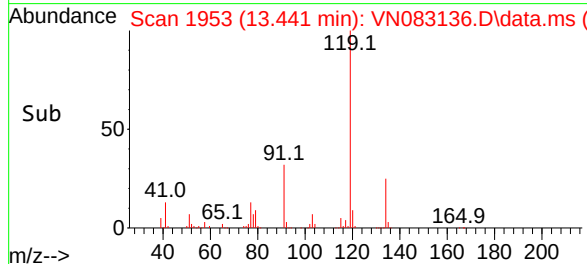
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050



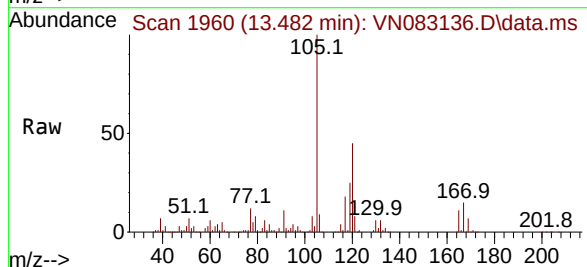
Tgt Ion:119 Resp: 453597
Ion Ratio Lower Upper
119 100
91 68.9 35.0 105.1
134 24.1 13.3 39.8

Manual Integrations
APPROVED

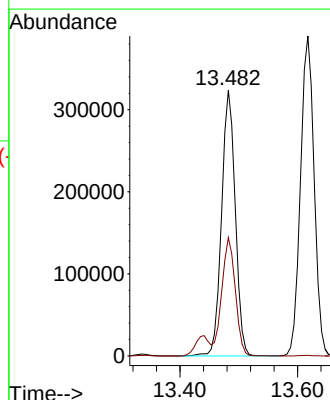
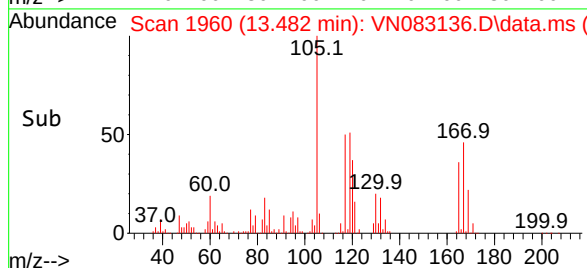
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024

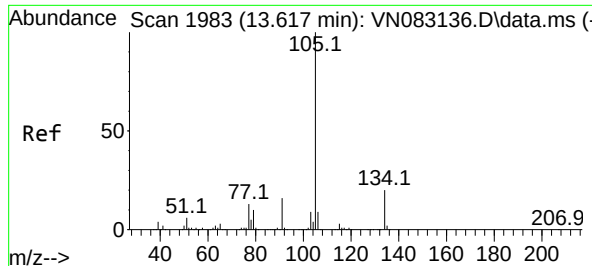


#84
1,2,4-Trimethylbenzene
Concen: 51.778 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN083136.D
Acq: 07 Aug 2024 10:58



Tgt Ion:105 Resp: 524226
Ion Ratio Lower Upper
105 100
120 44.1 21.9 65.8





#85

sec-Butylbenzene

Concen: 51.809 ug/l

RT: 13.617 min Scan# 1983

Delta R.T. 0.000 min

Lab File: VN083136.D

Acq: 07 Aug 2024 10:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion:105 Resp: 628959

Ion Ratio Lower Upper

105 100

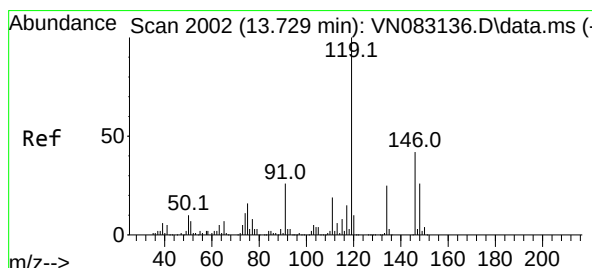
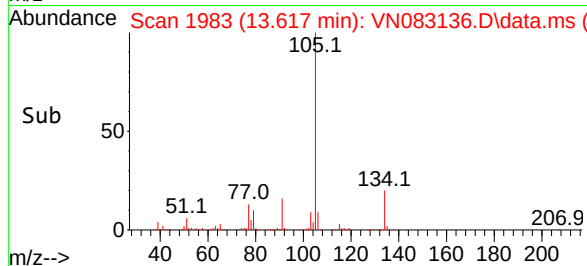
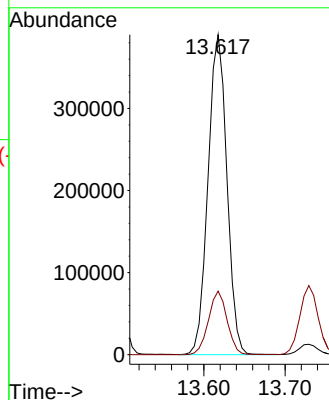
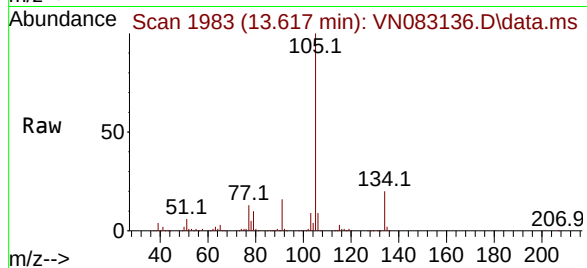
134 19.6 9.8 29.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#86

p-Isopropyltoluene

Concen: 52.699 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. 0.000 min

Lab File: VN083136.D

Acq: 07 Aug 2024 10:58

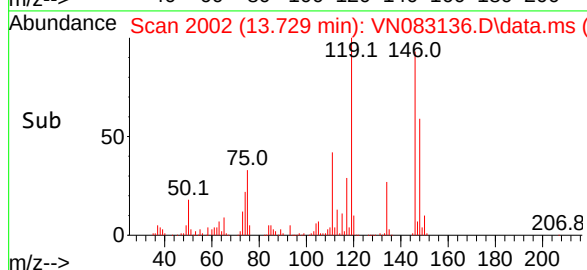
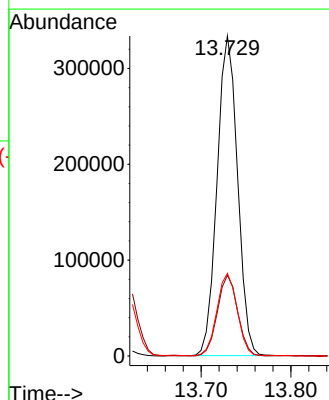
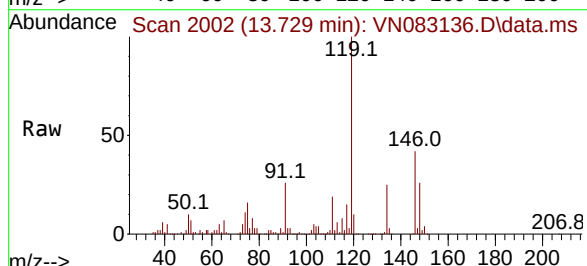
Tgt Ion:119 Resp: 528236

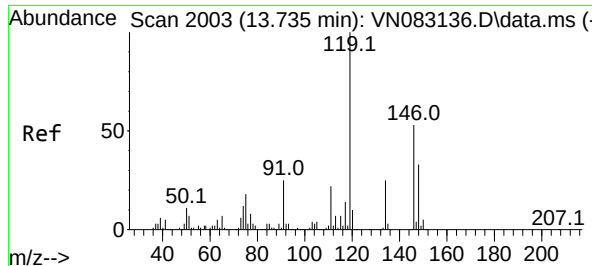
Ion Ratio Lower Upper

119 100

134 24.8 13.0 39.0

91 25.4 12.3 36.9





#87

1,3-Dichlorobenzene

Concen: 50.651 ug/l

RT: 13.735 min Scan# 2003

Delta R.T. 0.000 min

Lab File: VN083136.D

Acq: 07 Aug 2024 10:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion:146 Resp: 254058

Ion Ratio Lower Upper

146 100

111 43.1 20.6 61.9

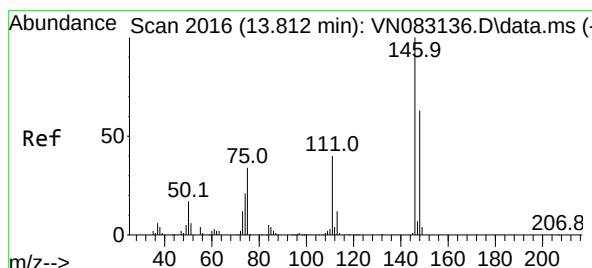
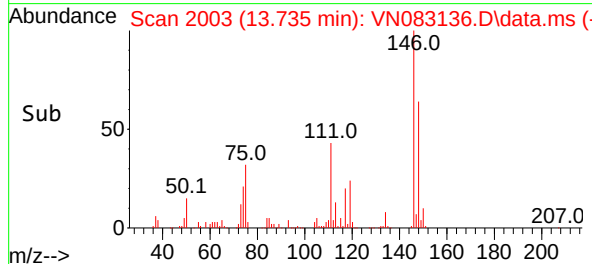
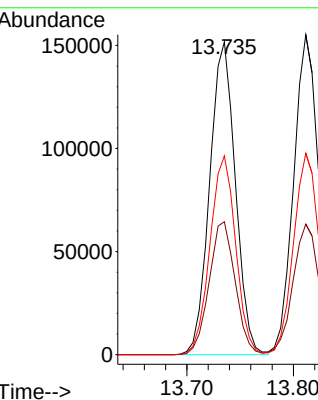
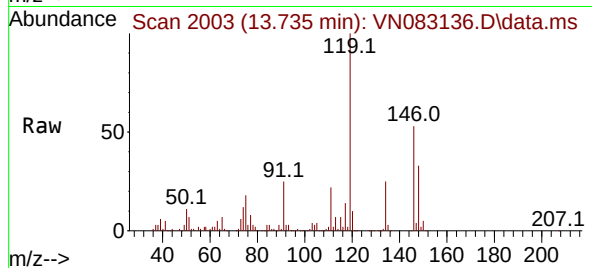
148 63.5 31.8 95.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#88

1,4-Dichlorobenzene

Concen: 50.589 ug/l

RT: 13.812 min Scan# 2016

Delta R.T. 0.000 min

Lab File: VN083136.D

Acq: 07 Aug 2024 10:58

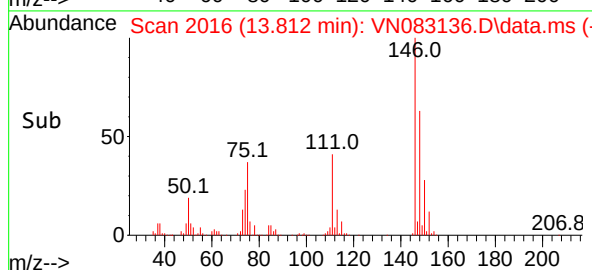
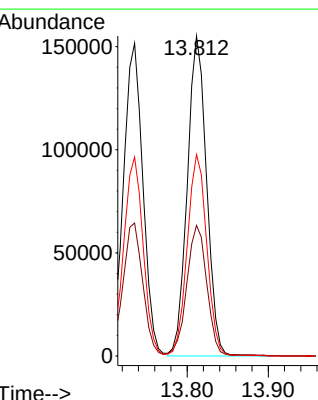
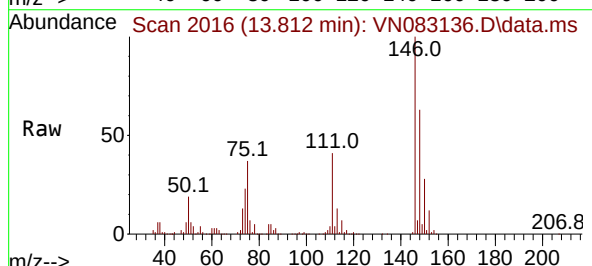
Tgt Ion:146 Resp: 255814

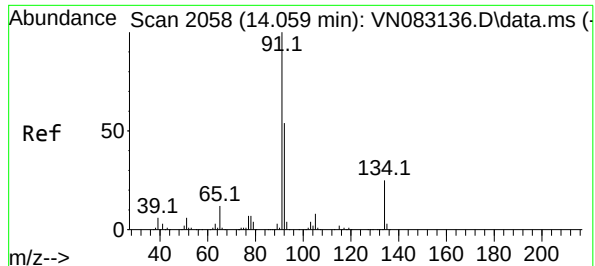
Ion Ratio Lower Upper

146 100

111 42.0 20.1 60.3

148 64.0 32.2 96.6





#89

n-Butylbenzene

Concen: 53.120 ug/l

RT: 14.059 min Scan# 2058

Delta R.T. 0.000 min

Lab File: VN083136.D

Acq: 07 Aug 2024 10:58

Instrument :

MSVOA_N

ClientSampleId :

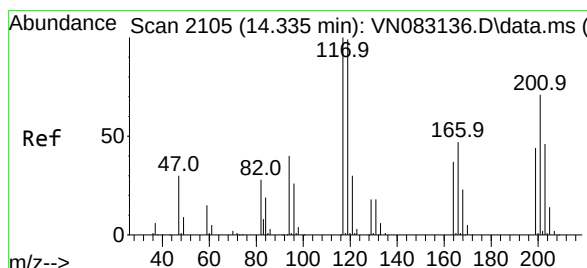
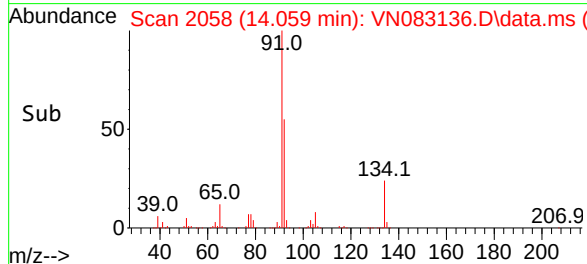
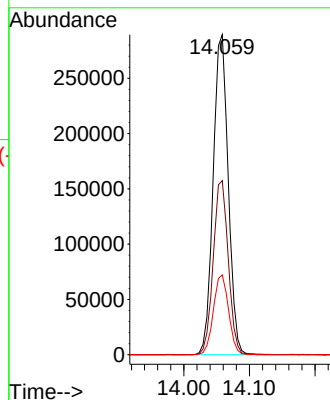
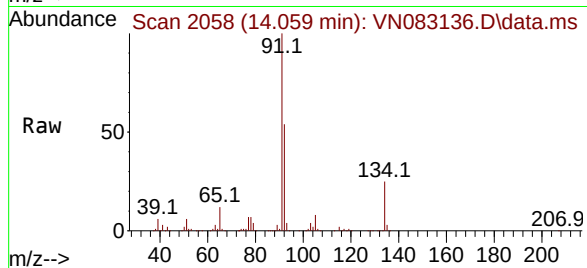
VSTDICCC050

Tgt Ion:	91	Resp:	46137
Ion	Ratio	Lower	Upper
91	100		
92	54.4	26.1	78.3
134	25.1	12.1	36.3

Manual Integrations
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Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#90

Hexachloroethane

Concen: 51.037 ug/l

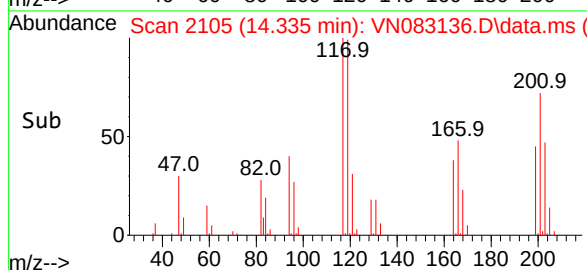
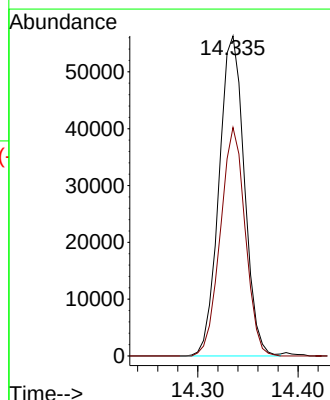
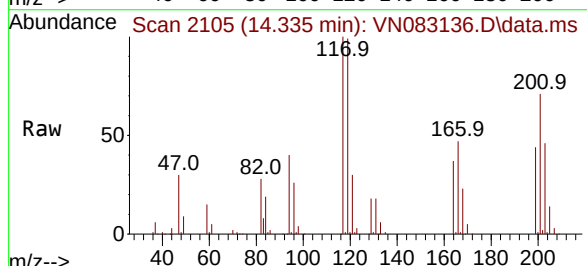
RT: 14.335 min Scan# 2105

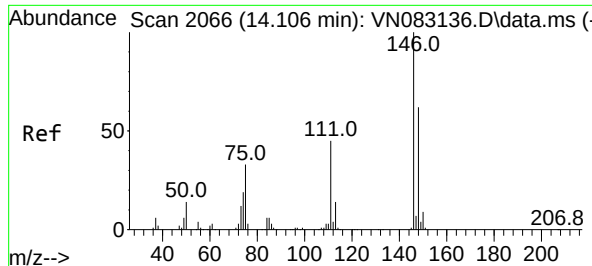
Delta R.T. 0.000 min

Lab File: VN083136.D

Acq: 07 Aug 2024 10:58

Tgt Ion:	117	Resp:	98836
Ion	Ratio	Lower	Upper
117	100		
201	69.9	35.8	107.3





#91

1,2-Dichlorobenzene

Concen: 50.365 ug/l

RT: 14.106 min Scan# 2066

Delta R.T. 0.000 min

Lab File: VN083136.D

Acq: 07 Aug 2024 10:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion:146 Resp: 244462

Ion Ratio Lower Upper

146 100

111 45.3 21.4 64.2

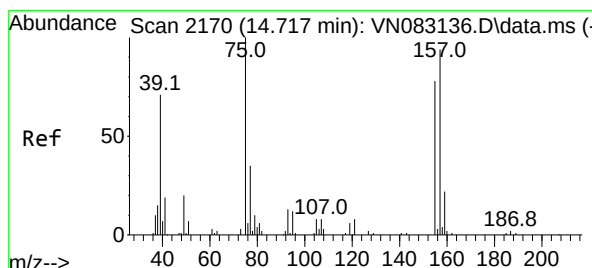
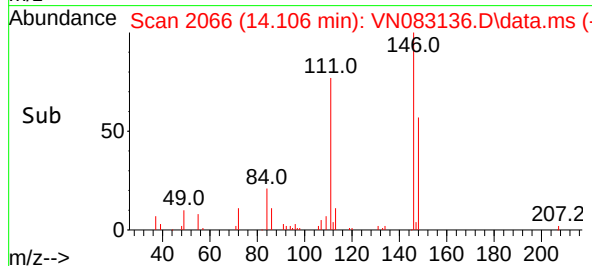
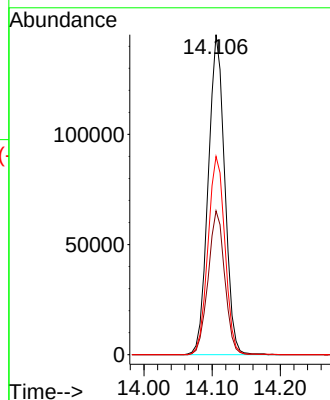
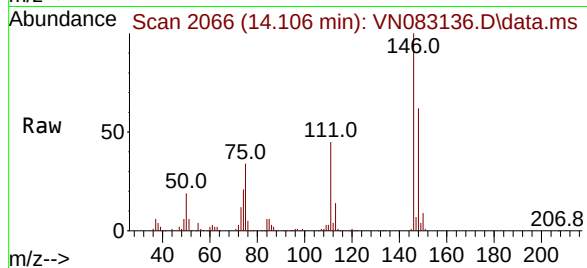
148 63.6 32.1 96.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#92

1,2-Dibromo-3-Chloropropane

Concen: 49.017 ug/l

RT: 14.717 min Scan# 2170

Delta R.T. 0.000 min

Lab File: VN083136.D

Acq: 07 Aug 2024 10:58

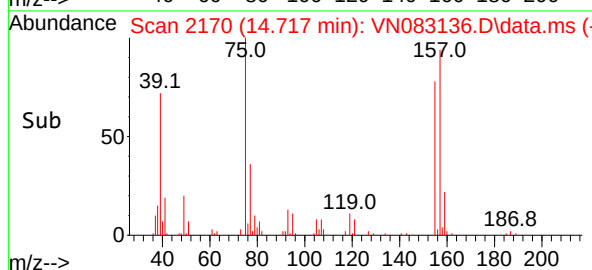
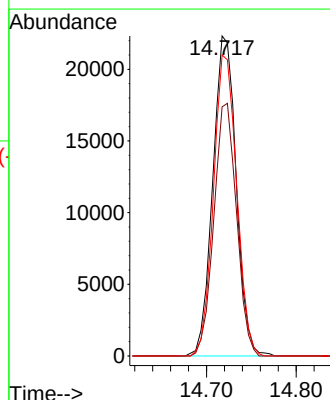
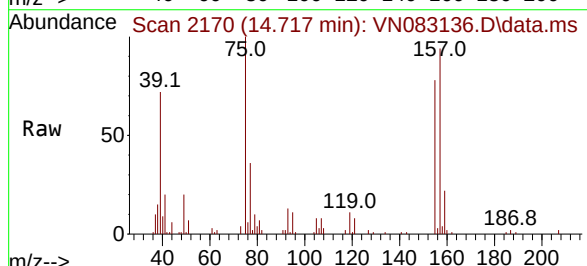
Tgt Ion: 75 Resp: 40369

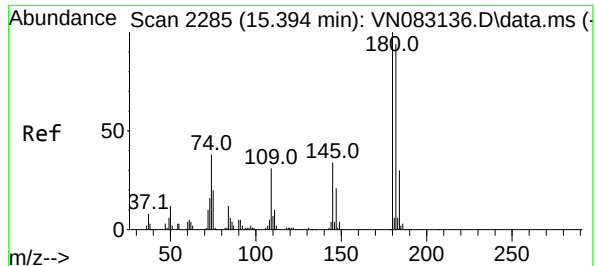
Ion Ratio Lower Upper

75 100

155 76.6 36.6 109.8

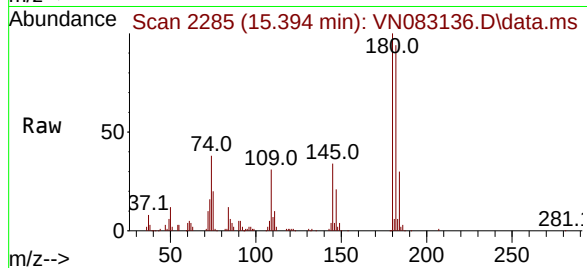
157 93.4 46.9 140.6





#93
1,2,4-Trichlorobenzene
Concen: 51.937 ug/l
RT: 15.394 min Scan# 2285
Delta R.T. 0.000 min
Lab File: VN083136.D
Acq: 07 Aug 2024 10:58

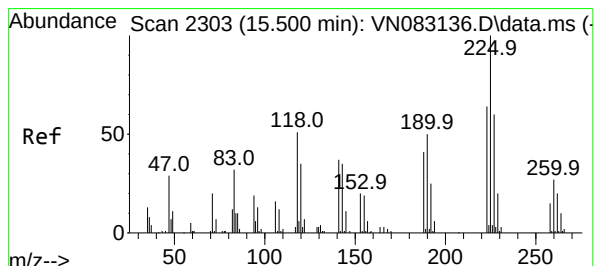
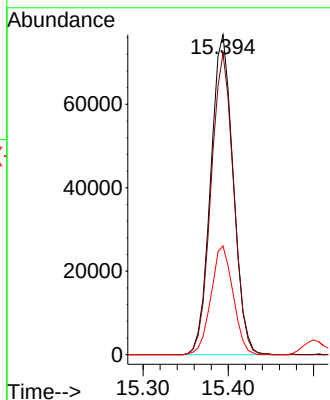
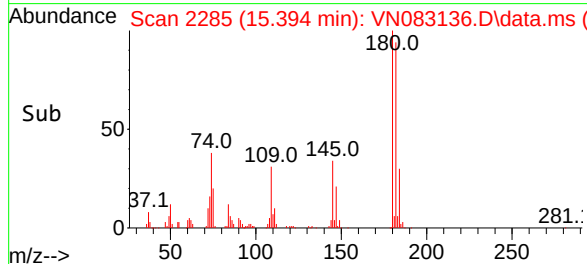
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050



Tgt Ion:180 Resp: 141229
Ion Ratio Lower Upper
180 100
182 94.1 47.3 141.8
145 33.3 15.7 47.1

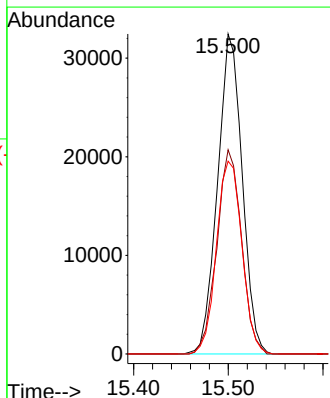
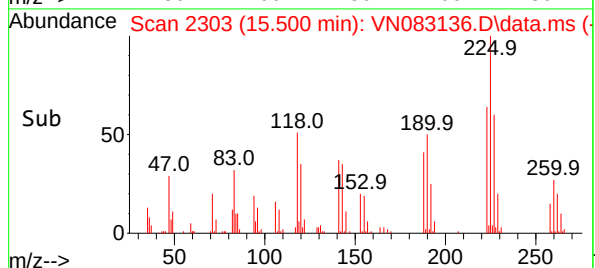
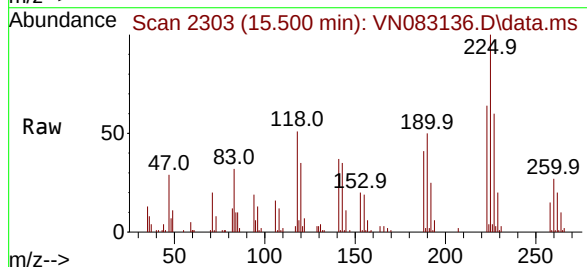
Manual Integrations
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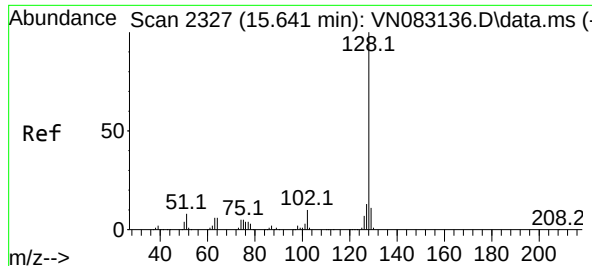
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#94
Hexachlorobutadiene
Concen: 48.509 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.000 min
Lab File: VN083136.D
Acq: 07 Aug 2024 10:58

Tgt Ion:225 Resp: 58664
Ion Ratio Lower Upper
225 100
223 63.9 31.9 95.7
227 62.3 32.5 97.5





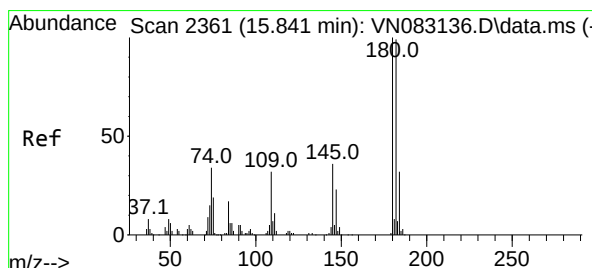
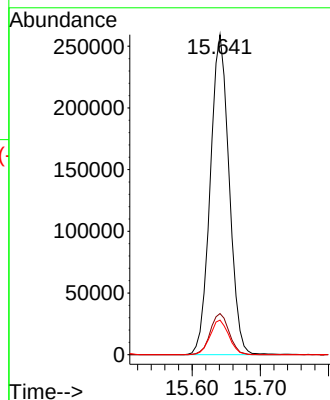
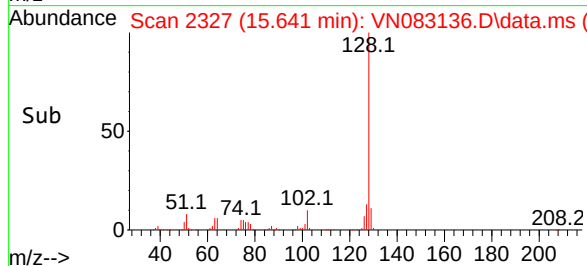
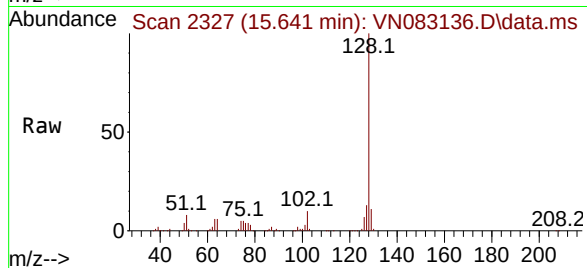
#95
Naphthalene
Concen: 51.844 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.000 min
Lab File: VN083136.D
Acq: 07 Aug 2024 10:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:128 Resp: 499372
Ion Ratio Lower Upper
128 100
127 12.9 10.6 16.0
129 10.7 8.6 12.8

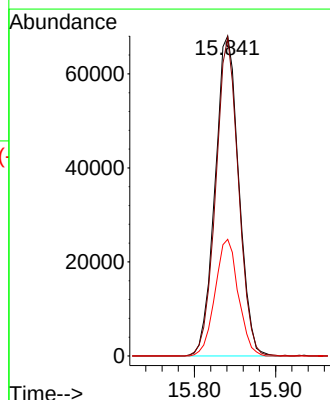
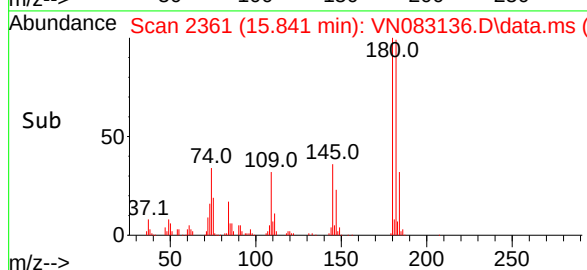
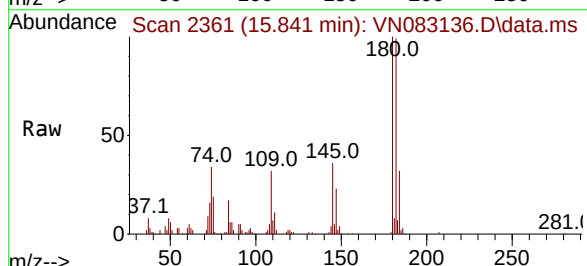
Manual Integrations
APPROVED

Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#96
1,2,3-Trichlorobenzene
Concen: 51.335 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.000 min
Lab File: VN083136.D
Acq: 07 Aug 2024 10:58

Tgt Ion:180 Resp: 138125
Ion Ratio Lower Upper
180 100
182 95.2 48.9 146.8
145 35.8 16.8 50.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080724\
Data File : VN083137.D
Acq On : 07 Aug 2024 11:22
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Quant Time: Aug 08 06:16:37 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 08 05:50:26 2024
Response via : Initial Calibration

Manual Integrations
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Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	212913	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	362741	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	313255	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	149244	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	51159	16.881	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	33.760%#
35) Dibromofluoromethane	8.171	113	38354	16.940	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	33.880%#
50) Toluene-d8	10.565	98	142952	16.926	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	33.860%#
62) 4-Bromofluorobenzene	12.847	95	56566	17.179	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	=	34.360%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	48191	19.959	ug/l	95
3) Chloromethane	2.359	50	49777	20.137	ug/l	99
4) Vinyl Chloride	2.512	62	50108	19.866	ug/l	97
5) Bromomethane	2.942	94	31525	20.143	ug/l	89
6) Chloroethane	3.112	64	30331	19.221	ug/l	100
7) Trichlorofluoromethane	3.489	101	85550	20.531	ug/l	99
8) Diethyl Ether	3.959	74	31256	20.158	ug/l	85
9) 1,1,2-Trichlorotrifluo...	4.365	101	46683	20.321	ug/l	99
10) Methyl Iodide	4.589	142	59865	19.810	ug/l	96
11) Tert butyl alcohol	5.530	59	62317	98.946	ug/l	97
12) 1,1-Dichloroethene	4.342	96	45786	19.399	ug/l	89
13) Acrolein	4.183	56	35516	86.524	ug/l	97
14) Allyl chloride	5.018	41	90544	20.301	ug/l	87
15) Acrylonitrile	5.718	53	129316	99.835	ug/l	99
16) Acetone	4.430	43	110676	93.330	ug/l	95
17) Carbon Disulfide	4.712	76	135927	19.683	ug/l	97
18) Methyl Acetate	5.030	43	65871	18.644	ug/l #	91
19) Methyl tert-butyl Ether	5.800	73	172740	20.277	ug/l	97
20) Methylene Chloride	5.271	84	52716	19.316	ug/l	84
21) trans-1,2-Dichloroethene	5.789	96	49121	20.137	ug/l	94
22) Diisopropyl ether	6.671	45	168267	20.070	ug/l #	95
23) Vinyl Acetate	6.600	43	871215m	101.401	ug/l	
24) 1,1-Dichloroethane	6.571	63	93066	20.366	ug/l	97
25) 2-Butanone	7.488	43	180458	99.107	ug/l	93
26) 2,2-Dichloropropane	7.488	77	86767	20.445	ug/l	99
27) cis-1,2-Dichloroethene	7.488	96	58852	19.993	ug/l	92
28) Bromochloromethane	7.812	49	35768	19.153	ug/l	86
29) Tetrahydrofuran	7.841	42	115821	98.399	ug/l #	86
30) Chloroform	7.965	83	94560	19.917	ug/l	98
31) Cyclohexane	8.253	56	85978	19.144	ug/l	96
32) 1,1,1-Trichloroethane	8.165	97	90748	20.194	ug/l	91
36) 1,1-Dichloropropene	8.377	75	68425	19.978	ug/l	98
37) Ethyl Acetate	7.565	43	72806	18.985	ug/l #	93
38) Carbon Tetrachloride	8.359	117	79487	20.605	ug/l	98
39) Methylcyclohexane	9.600	83	85173	20.246	ug/l	95
40) Benzene	8.606	78	207581	20.345	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080724\
 Data File : VN083137.D
 Acq On : 07 Aug 2024 11:22
 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 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024

Quant Time: Aug 08 06:16:37 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M

Quant Title : SW846 8260

QLast Update : Thu Aug 08 05:50:26 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	43539	19.968	ug/l	97
42) 1,2-Dichloroethane	8.671	62	74567	20.062	ug/l	97
43) Isopropyl Acetate	8.688	43	138715	19.459	ug/l #	95
44) Trichloroethene	9.353	130	49712	20.469	ug/l	98
45) 1,2-Dichloropropane	9.624	63	49878	20.594	ug/l	100
46) Dibromomethane	9.712	93	35560	20.512	ug/l	98
47) Bromodichloromethane	9.888	83	78421	20.147	ug/l	99
48) Methyl methacrylate	9.682	41	61044	19.254	ug/l	92
49) 1,4-Dioxane	9.694	88	23083	403.558	ug/l	98
51) 4-Methyl-2-Pentanone	10.447	43	374332	103.224	ug/l	93
52) Toluene	10.629	92	131247	20.358	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	83139	20.793	ug/l	97
54) cis-1,3-Dichloropropene	10.312	75	86551	20.351	ug/l	92
55) 1,1,2-Trichloroethane	11.018	97	48081	20.811	ug/l	94
56) Ethyl methacrylate	10.877	69	89503	20.550	ug/l	88
57) 1,3-Dichloropropane	11.165	76	84272	20.464	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	175345	95.242	ug/l	96
59) 2-Hexanone	11.194	43	286222	102.020	ug/l	92
60) Dibromochloromethane	11.359	129	57571	20.610	ug/l	98
61) 1,2-Dibromoethane	11.471	107	48753	20.088	ug/l	98
64) Tetrachloroethene	11.106	164	42332	20.405	ug/l	94
65) Chlorobenzene	11.894	112	137984	19.933	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.959	131	48247	19.762	ug/l	99
67) Ethyl Benzene	11.965	91	258237	20.335	ug/l	98
68) m/p-Xylenes	12.071	106	193256	40.625	ug/l	99
69) o-Xylene	12.400	106	95153	20.281	ug/l	99
70) Styrene	12.412	104	161342	20.475	ug/l	98
71) Bromoform	12.576	173	38761	20.957	ug/l #	100
73) Isopropylbenzene	12.694	105	246711	19.764	ug/l	100
74) N-amyl acetate	12.494	43	116100	19.014	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.935	83	69449	19.670	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	65295m	19.901	ug/l	
77) Bromobenzene	12.982	156	55327	19.952	ug/l	94
78) n-propylbenzene	13.035	91	283745	19.740	ug/l	99
79) 2-Chlorotoluene	13.123	91	180682	19.827	ug/l	97
80) 1,3,5-Trimethylbenzene	13.170	105	208367	19.938	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.741	75	31260	20.759	ug/l #	83
82) 4-Chlorotoluene	13.223	91	179932	19.684	ug/l	98
83) tert-Butylbenzene	13.441	119	184965	19.985	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	210474	19.984	ug/l	100
85) sec-Butylbenzene	13.618	105	250829	19.862	ug/l	100
86) p-Isopropyltoluene	13.729	119	208404	19.986	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	103819	19.897	ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	103132	19.605	ug/l	97
89) n-Butylbenzene	14.053	91	180483	19.975	ug/l	97
90) Hexachloroethane	14.335	117	40982	20.343	ug/l	94
91) 1,2-Dichlorobenzene	14.106	146	99334	19.673	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	16552	19.320	ug/l	98
93) 1,2,4-Trichlorobenzene	15.394	180	56299	19.902	ug/l	98
94) Hexachlorobutadiene	15.500	225	23725	18.859	ug/l	99
95) Naphthalene	15.641	128	200875	20.047	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	54944	19.630	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080724\
Data File : VN083137.D
Acq On : 07 Aug 2024 11:22
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 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024

Quant Time: Aug 08 06:16:37 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 08 05:50:26 2024
Response via : Initial Calibration

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

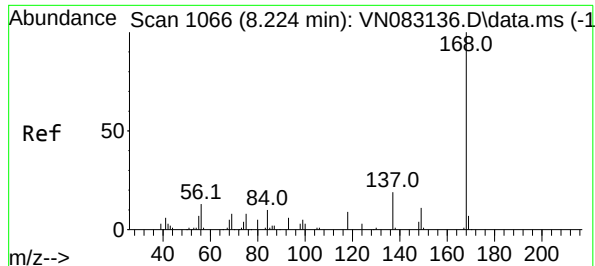
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

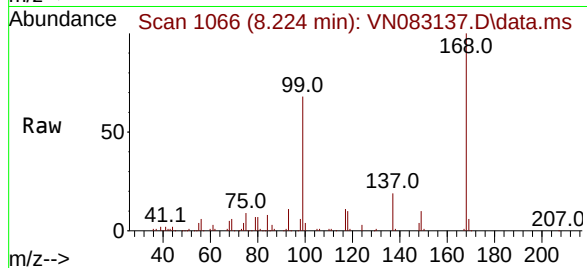
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083137.D
Acq: 07 Aug 2024 11:22

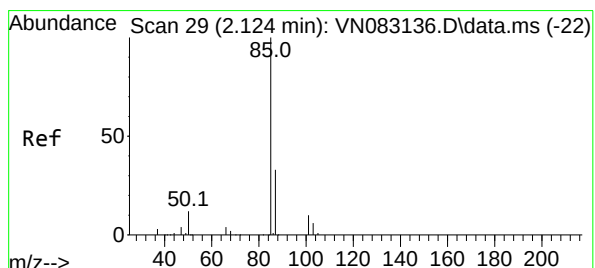
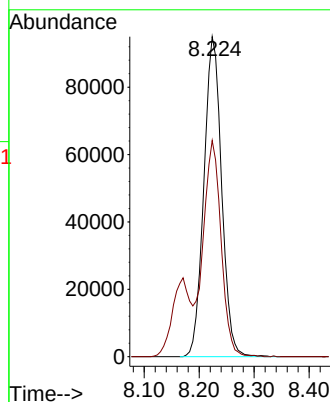
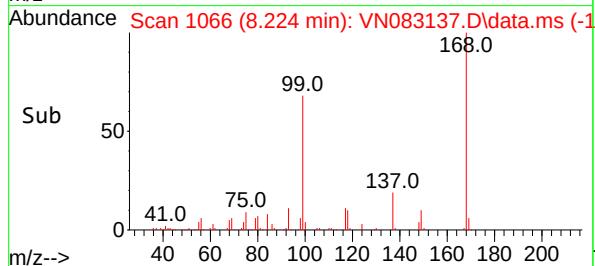
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020



Tgt Ion:168 Resp: 21291
Ion Ratio Lower Upper
168 100
99 67.5 48.2 72.4

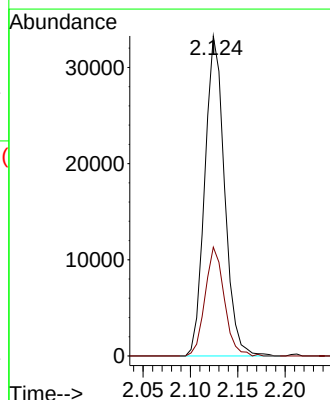
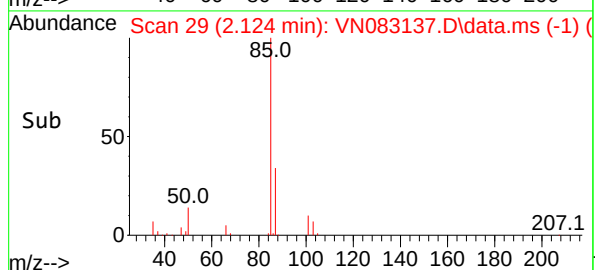
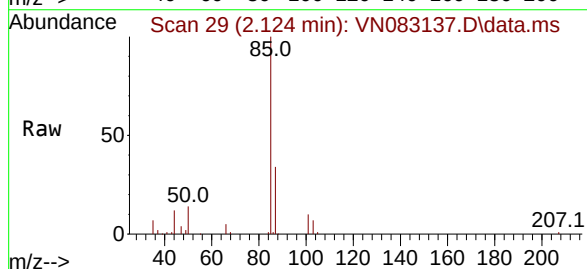
Manual Integrations
APPROVED

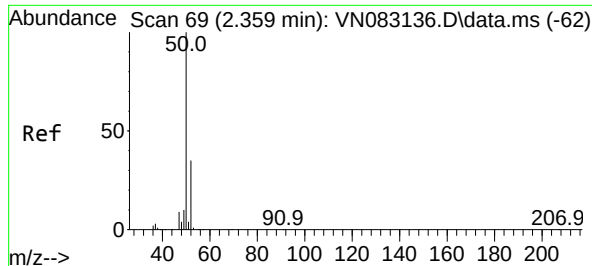
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#2
Dichlorodifluoromethane
Concen: 19.959 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN083137.D
Acq: 07 Aug 2024 11:22

Tgt Ion: 85 Resp: 48191
Ion Ratio Lower Upper
85 100
87 34.0 15.7 47.0





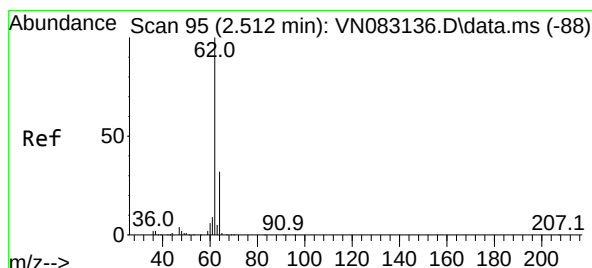
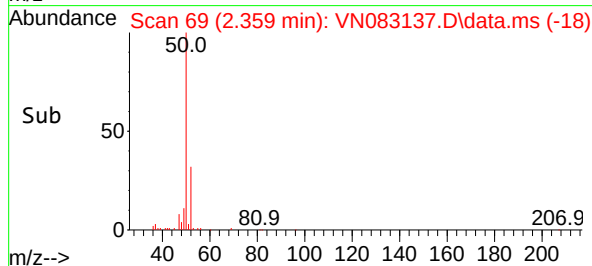
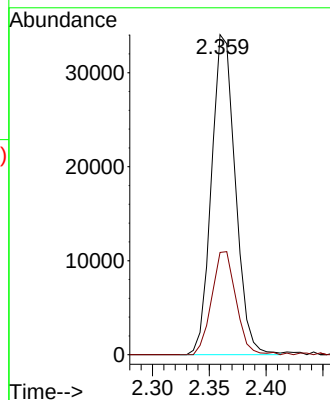
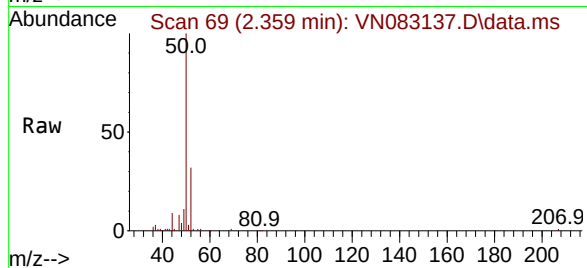
#3
Chloromethane
Concen: 20.137 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN083137.D
Acq: 07 Aug 2024 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 50 Resp: 4977
Ion Ratio Lower Upper
50 100
52 31.9 25.0 37.4

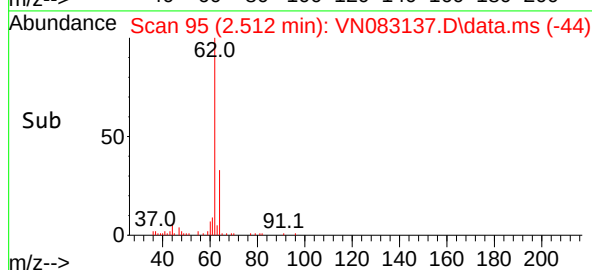
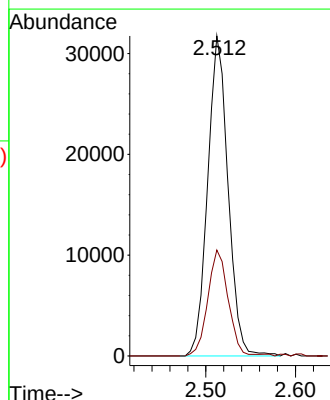
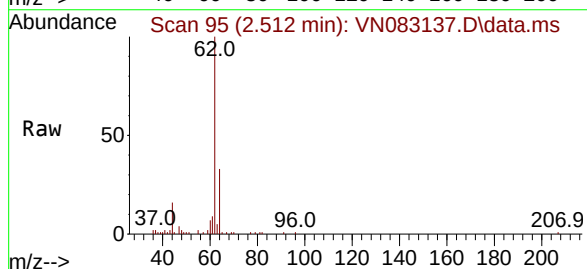
Manual Integrations
APPROVED

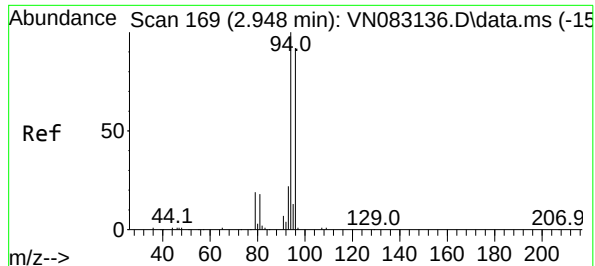
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#4
Vinyl Chloride
Concen: 19.866 ug/l
RT: 2.512 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN083137.D
Acq: 07 Aug 2024 11:22

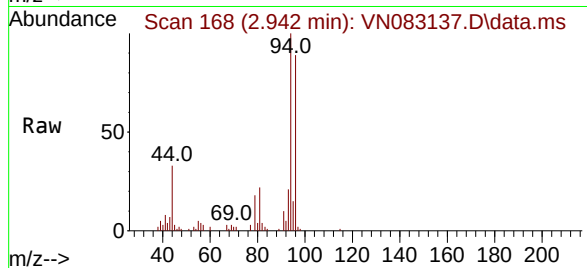
Tgt Ion: 62 Resp: 50108
Ion Ratio Lower Upper
62 100
64 33.1 25.0 37.6





#5
Bromomethane
Concen: 20.143 ug/l
RT: 2.942 min Scan# 168
Delta R.T. -0.006 min
Lab File: VN083137.D
Acq: 07 Aug 2024 11:22

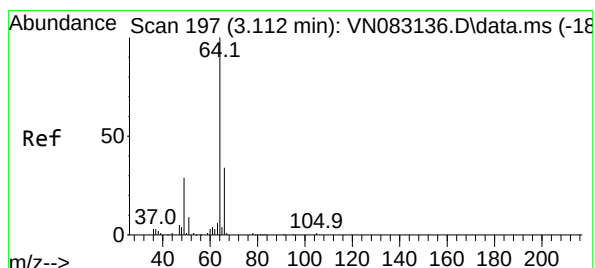
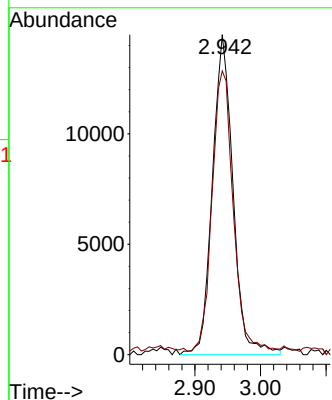
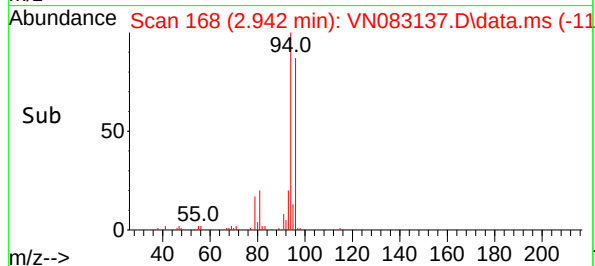
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020



Tgt Ion: 94 Resp: 3152
Ion Ratio Lower Upper
94 100
96 87.1 78.0 117.0

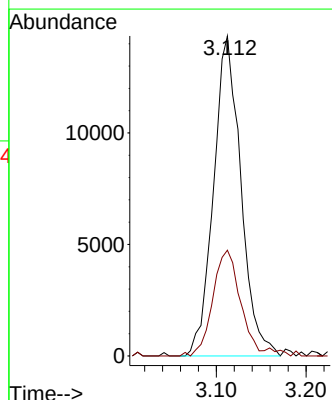
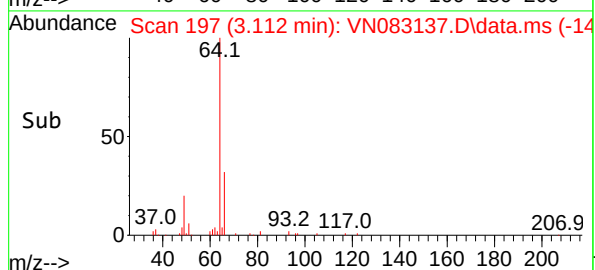
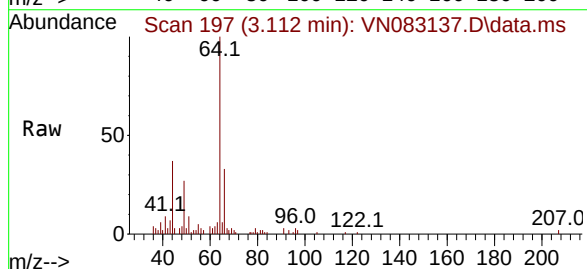
Manual Integrations
APPROVED

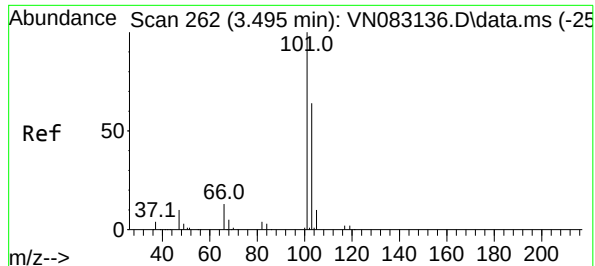
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#6
Chloroethane
Concen: 19.221 ug/l
RT: 3.112 min Scan# 197
Delta R.T. 0.000 min
Lab File: VN083137.D
Acq: 07 Aug 2024 11:22

Tgt Ion: 64 Resp: 30331
Ion Ratio Lower Upper
64 100
66 33.0 26.6 40.0





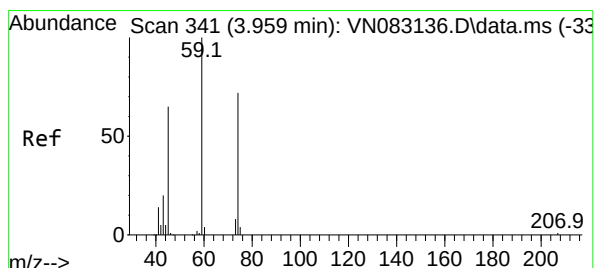
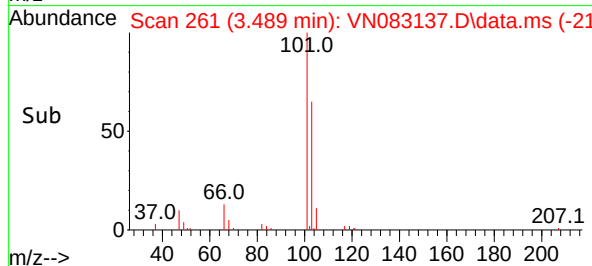
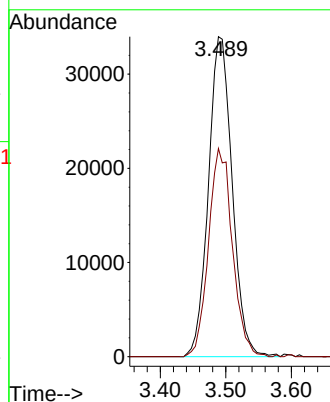
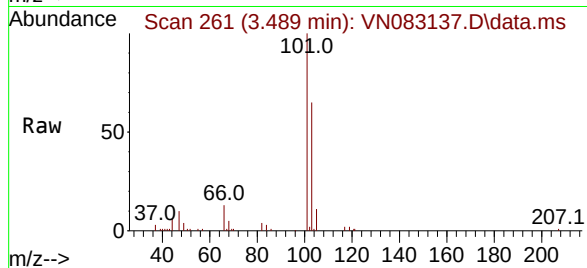
#7
Trichlorofluoromethane
Concen: 20.531 ug/l
RT: 3.489 min Scan# 261
Delta R.T. -0.006 min
Lab File: VN083137.D
Acq: 07 Aug 2024 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 85550
Ion Ratio Lower Upper
101 100
103 65.0 52.7 79.1

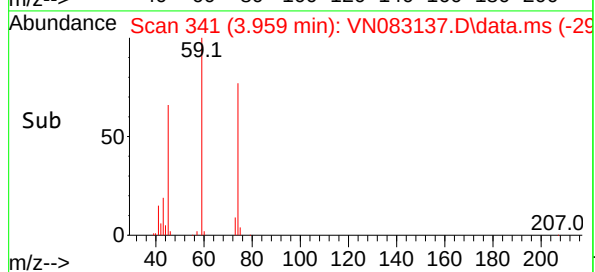
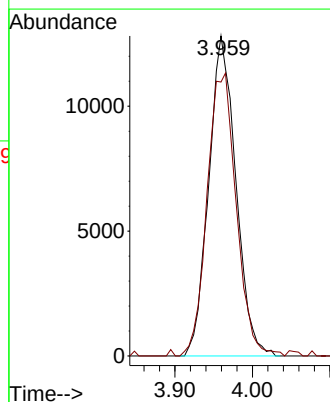
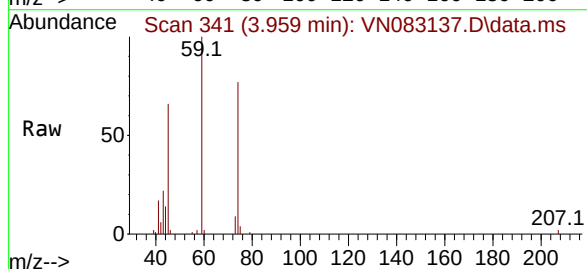
Manual Integrations
APPROVED

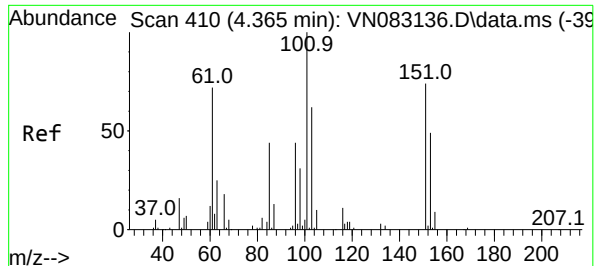
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#8
Diethyl Ether
Concen: 20.158 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.000 min
Lab File: VN083137.D
Acq: 07 Aug 2024 11:22

Tgt Ion: 74 Resp: 31256
Ion Ratio Lower Upper
74 100
45 94.8 55.5 166.3





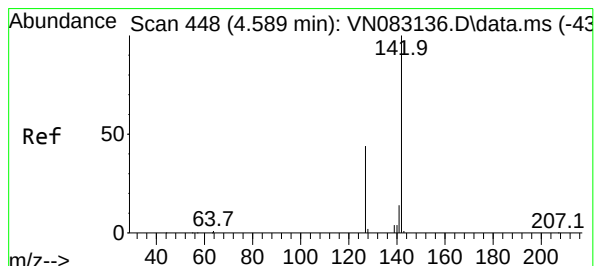
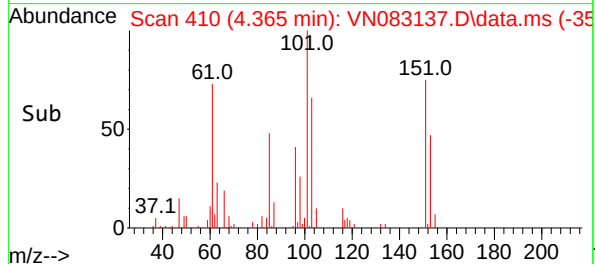
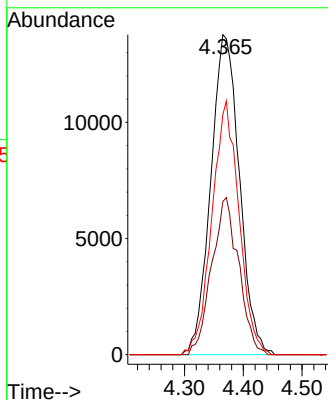
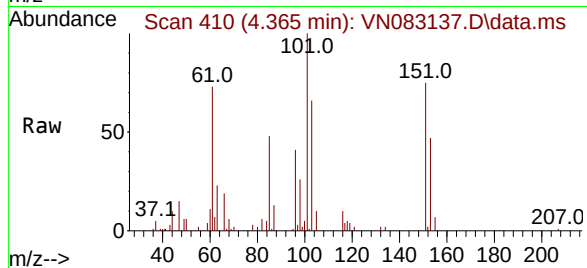
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.321 ug/l
RT: 4.365 min Scan# 410
Delta R.T. 0.000 min
Lab File: VN083137.D
Acq: 07 Aug 2024 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 4668
Ion Ratio Lower Upper
101 100
85 46.5 38.3 57.5
151 74.6 59.3 88.9

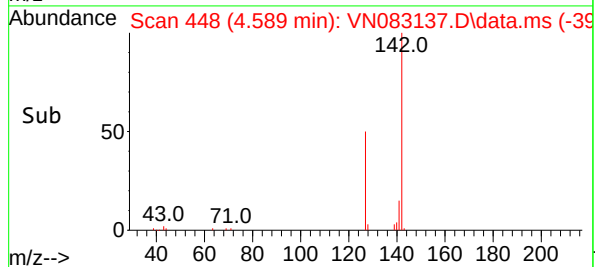
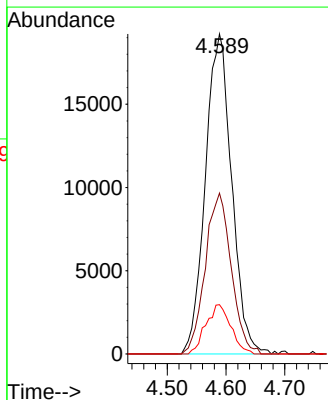
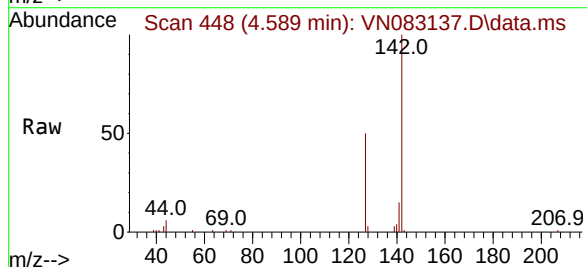
Manual Integrations
APPROVED

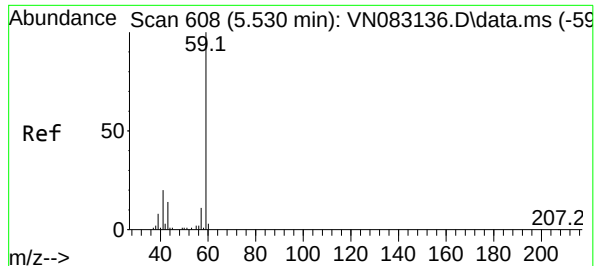
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#10
Methyl Iodide
Concen: 19.810 ug/l
RT: 4.589 min Scan# 448
Delta R.T. 0.000 min
Lab File: VN083137.D
Acq: 07 Aug 2024 11:22

Tgt Ion:142 Resp: 59865
Ion Ratio Lower Upper
142 100
127 50.3 37.5 56.3
141 15.4 13.1 19.7





#11

Tert butyl alcohol

Concen: 98.946 ug/l

RT: 5.530 min Scan# 608

Delta R.T. 0.000 min

Lab File: VN083137.D

Acq: 07 Aug 2024 11:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC020

Tgt Ion: 59 Resp: 6231

Ion Ratio Lower Upper

59 100

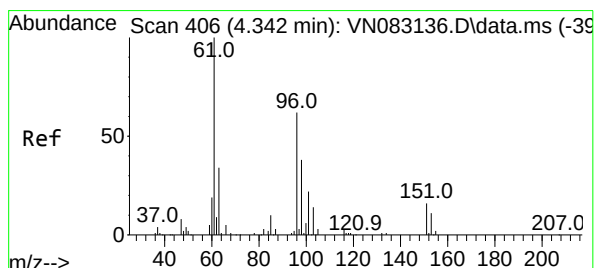
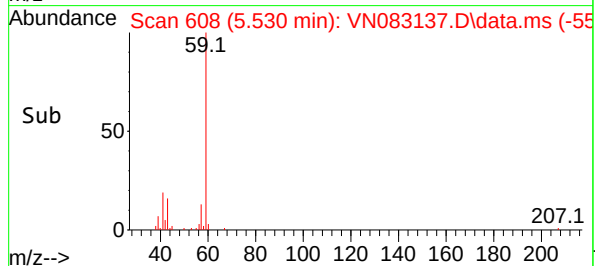
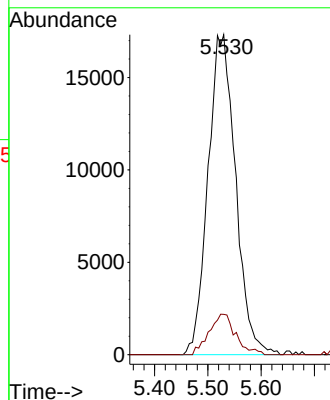
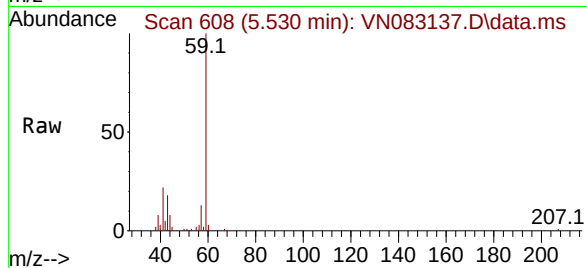
57 12.2 8.9 13.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#12

1,1-Dichloroethene

Concen: 19.399 ug/l

RT: 4.342 min Scan# 406

Delta R.T. 0.000 min

Lab File: VN083137.D

Acq: 07 Aug 2024 11:22

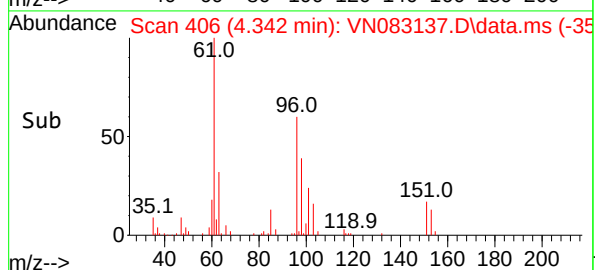
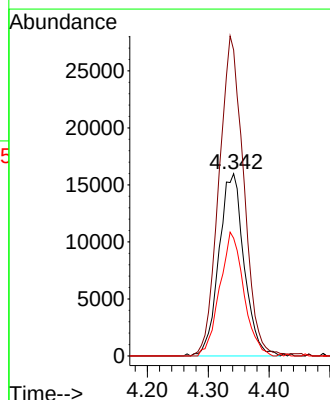
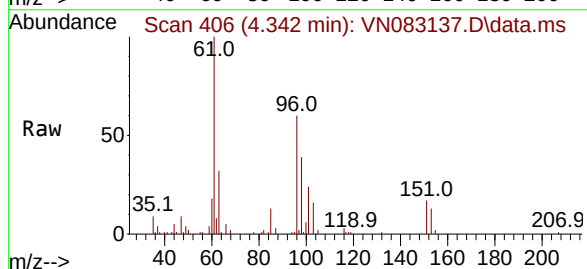
Tgt Ion: 96 Resp: 45786

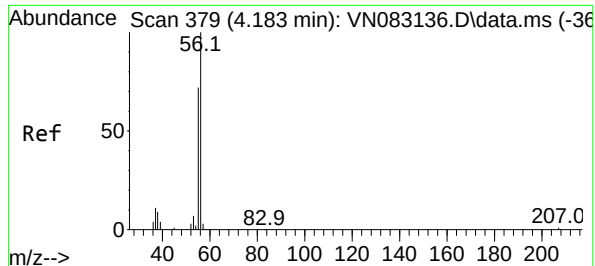
Ion Ratio Lower Upper

96 100

61 167.8 149.7 224.5

98 64.7 50.1 75.1





#13

Acrolein

Concen: 86.524 ug/l

RT: 4.183 min Scan# 379

Delta R.T. 0.000 min

Lab File: VN083137.D

Acq: 07 Aug 2024 11:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC020

Tgt Ion: 56 Resp: 35510

Ion Ratio Lower Upper

56 100

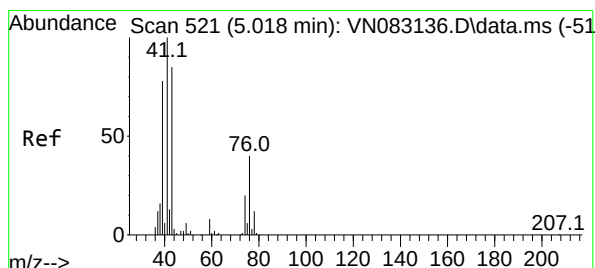
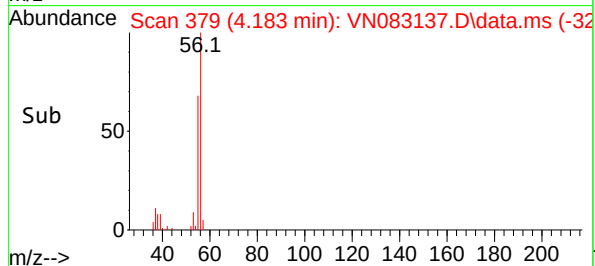
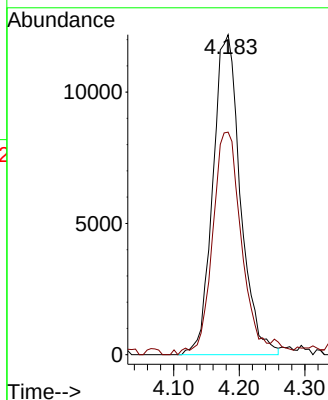
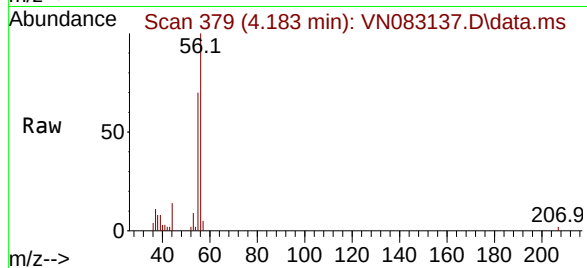
55 72.6 56.4 84.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#14

Allyl chloride

Concen: 20.301 ug/l

RT: 5.018 min Scan# 521

Delta R.T. 0.000 min

Lab File: VN083137.D

Acq: 07 Aug 2024 11:22

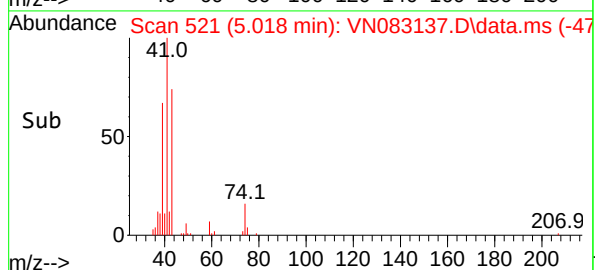
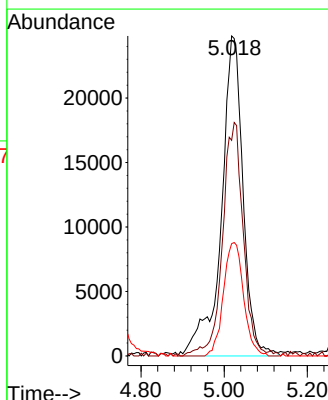
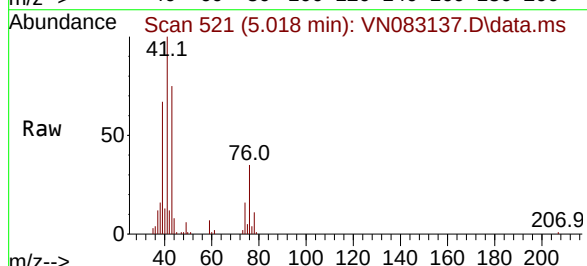
Tgt Ion: 41 Resp: 90544

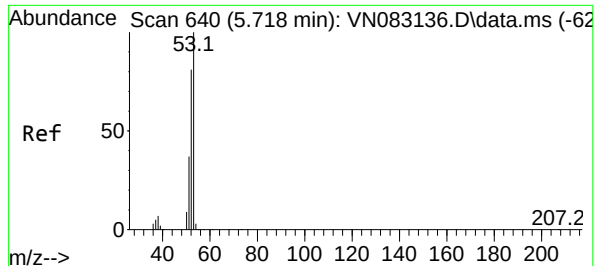
Ion Ratio Lower Upper

41 100

39 69.0 67.8 101.6

76 32.7 25.8 38.8





#15

Acrylonitrile

Concen: 99.835 ug/l

RT: 5.718 min Scan# 640

Delta R.T. 0.000 min

Lab File: VN083137.D

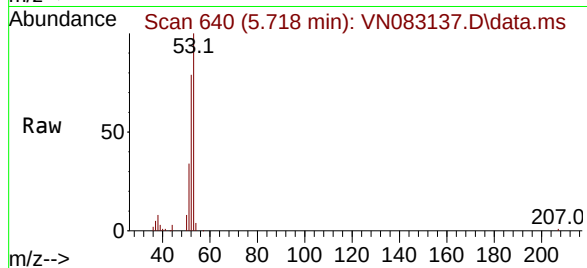
Acq: 07 Aug 2024 11:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC020

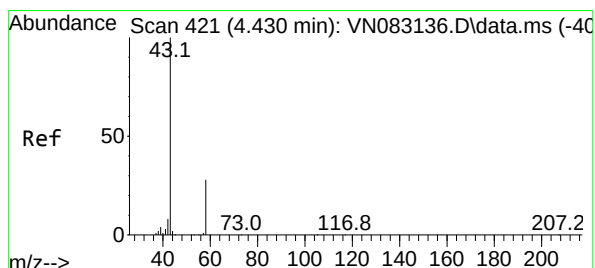
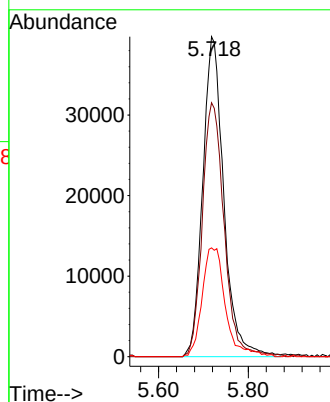
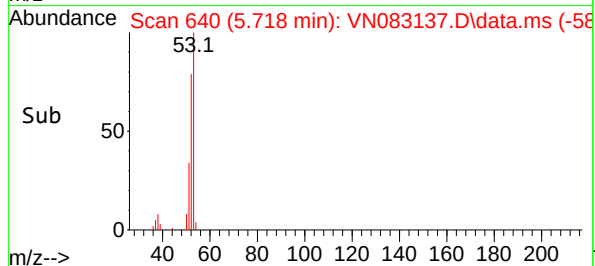


Tgt Ion:	53	Resp:	129310
Ion	Ratio	Lower	Upper
53	100		
52	82.1	66.6	100.0
51	37.7	30.1	45.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#16

Acetone

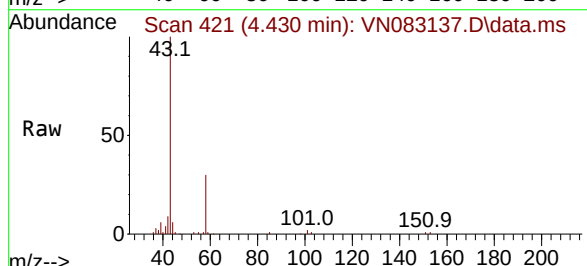
Concen: 93.330 ug/l

RT: 4.430 min Scan# 421

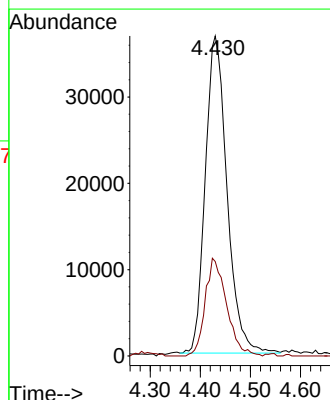
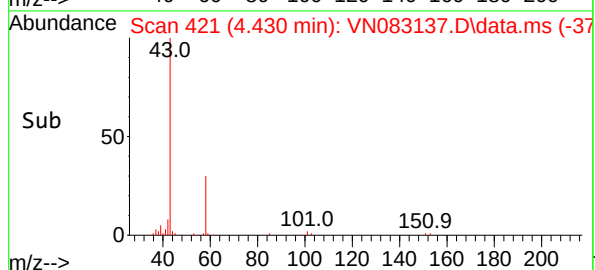
Delta R.T. 0.000 min

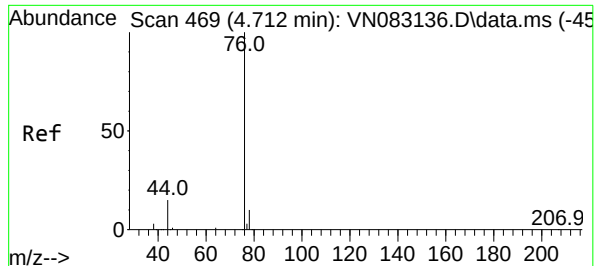
Lab File: VN083137.D

Acq: 07 Aug 2024 11:22



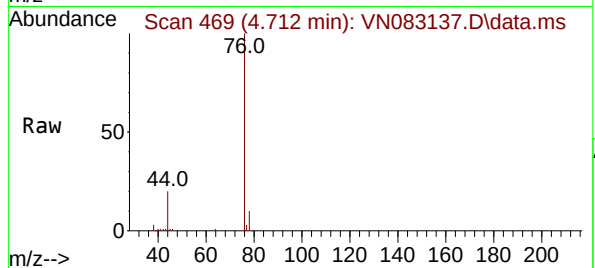
Tgt Ion:	43	Resp:	110676
Ion	Ratio	Lower	Upper
43	100		
58	29.8	21.8	32.6





#17
Carbon Disulfide
Concen: 19.683 ug/l
RT: 4.712 min Scan# 469
Delta R.T. 0.000 min
Lab File: VN083137.D
Acq: 07 Aug 2024 11:22

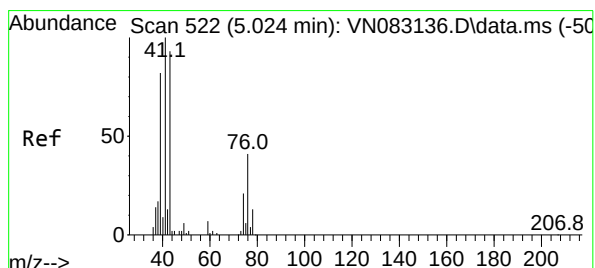
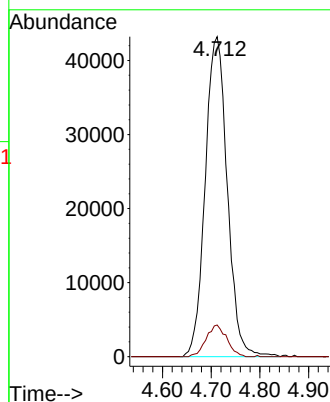
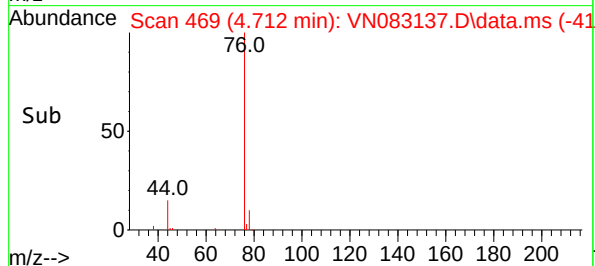
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020



Tgt Ion: 76 Resp: 13592
Ion Ratio Lower Upper
76 100
78 9.9 7.2 10.8

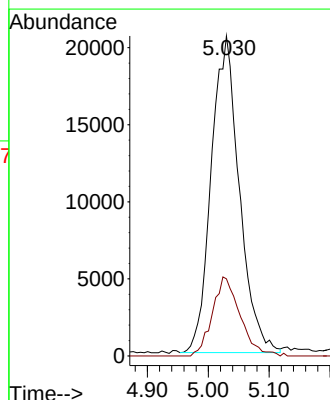
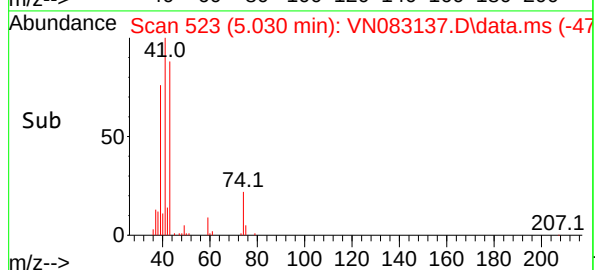
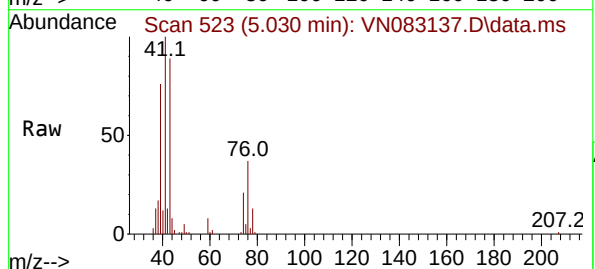
Manual Integrations
APPROVED

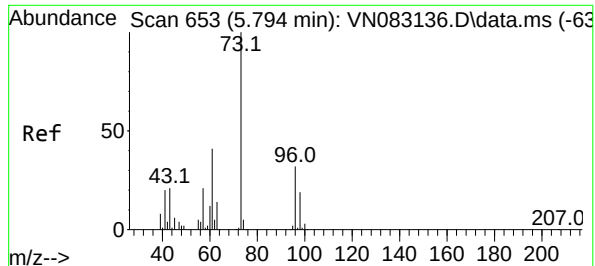
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#18
Methyl Acetate
Concen: 18.644 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.006 min
Lab File: VN083137.D
Acq: 07 Aug 2024 11:22

Tgt Ion: 43 Resp: 65871
Ion Ratio Lower Upper
43 100
74 24.5 16.3 24.5





#19

Methyl tert-butyl Ether

Concen: 20.277 ug/l

RT: 5.800 min Scan# 653

Delta R.T. 0.006 min

Lab File: VN083137.D

Acq: 07 Aug 2024 11:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 73 Resp: 172740

Ion Ratio Lower Upper

73 100

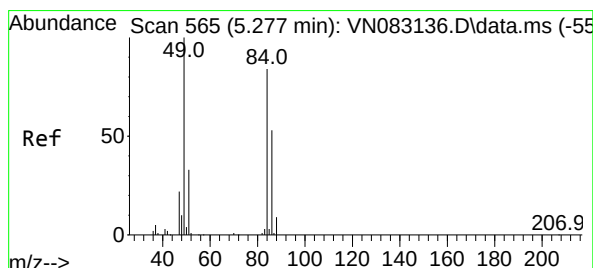
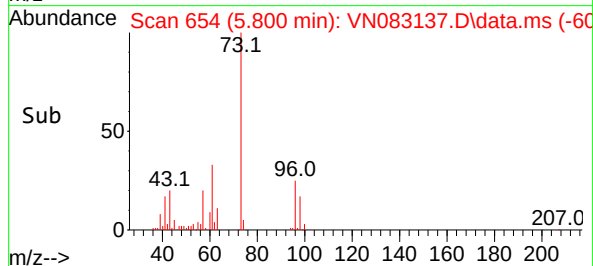
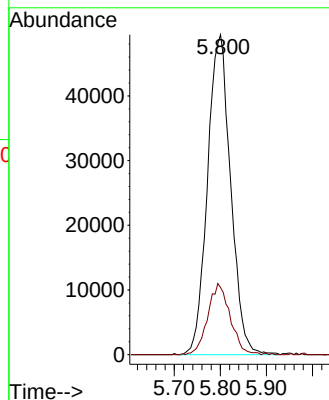
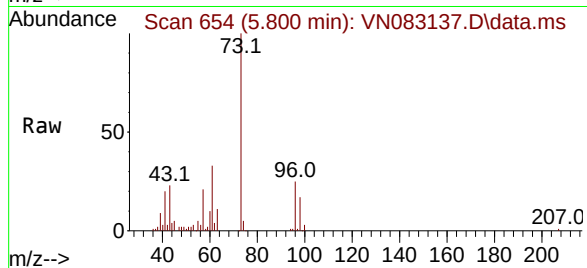
57 21.0 17.9 26.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#20

Methylene Chloride

Concen: 19.316 ug/l

RT: 5.271 min Scan# 564

Delta R.T. -0.006 min

Lab File: VN083137.D

Acq: 07 Aug 2024 11:22

Tgt Ion: 84 Resp: 52716

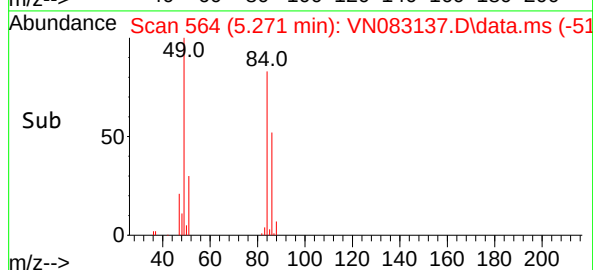
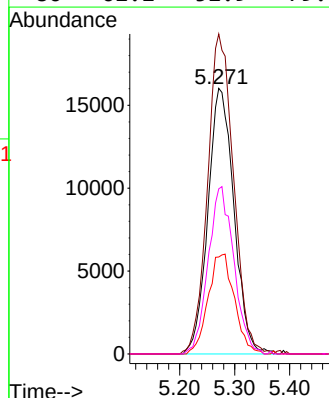
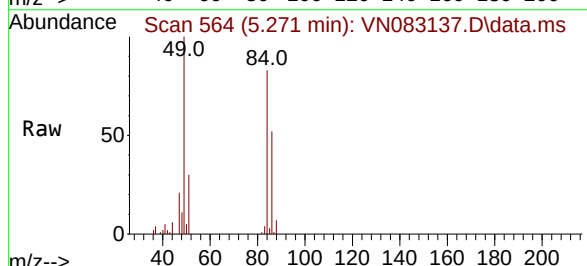
Ion Ratio Lower Upper

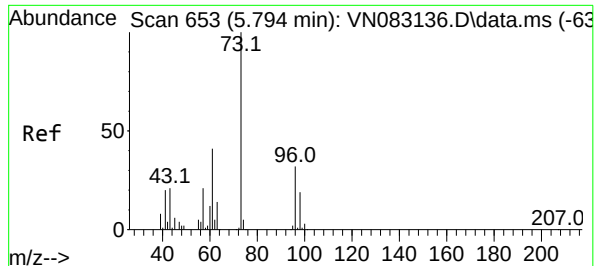
84 100

49 120.5 119.6 179.4

51 36.5 34.8 52.2

86 62.2 52.9 79.3





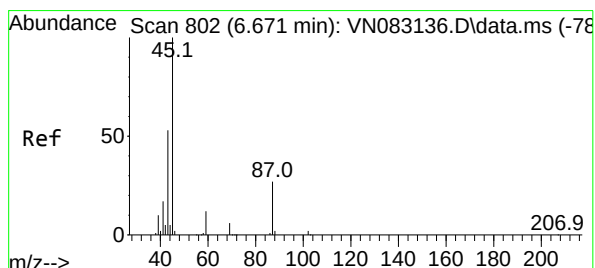
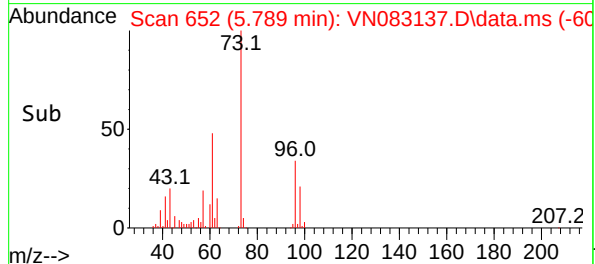
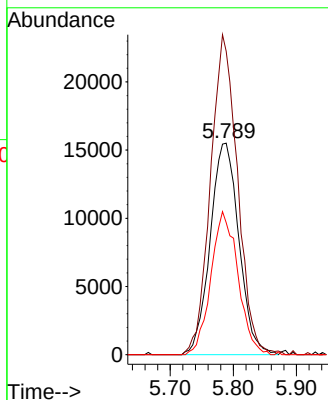
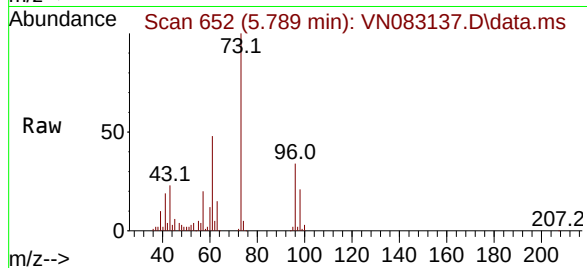
#21
trans-1,2-Dichloroethene
Concen: 20.137 ug/l
RT: 5.789 min Scan# 612
Delta R.T. -0.006 min
Lab File: VN083137.D
Acq: 07 Aug 2024 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 96 Resp: 4912
Ion Ratio Lower Upper
96 100
61 143.3 123.4 185.2
98 62.4 49.3 73.9

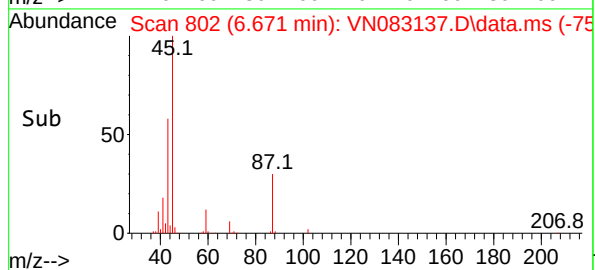
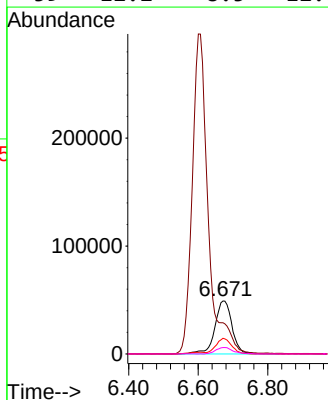
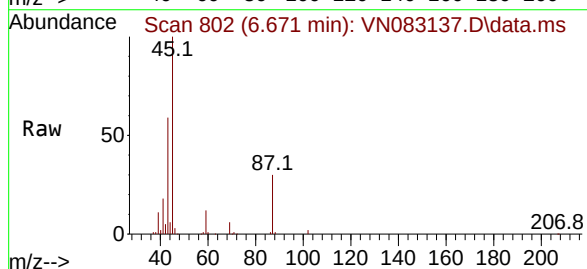
Manual Integrations
APPROVED

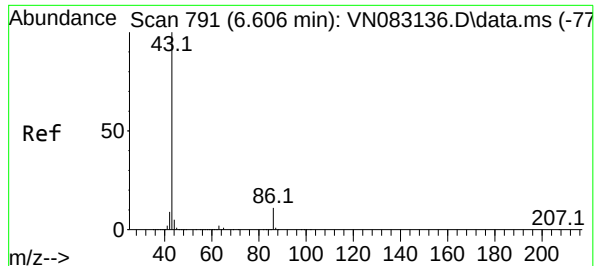
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#22
Diisopropyl ether
Concen: 20.070 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.000 min
Lab File: VN083137.D
Acq: 07 Aug 2024 11:22

Tgt Ion: 45 Resp: 168267
Ion Ratio Lower Upper
45 100
43 57.6 44.0 66.0
87 29.6 19.7 29.5#
59 12.2 8.5 12.7





#23

Vinyl Acetate

Concen: 101.401 ug/l m

RT: 6.600 min Scan# 791

Delta R.T. -0.006 min

Lab File: VN083137.D

Acq: 07 Aug 2024 11:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC020

Tgt Ion: 43 Resp: 871215

Ion Ratio Lower Upper

43

100

86

10.4

7.3

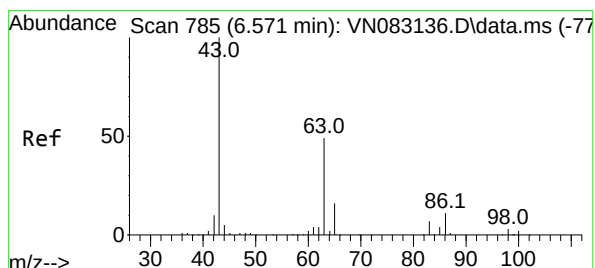
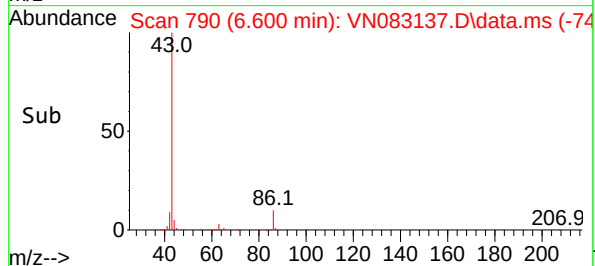
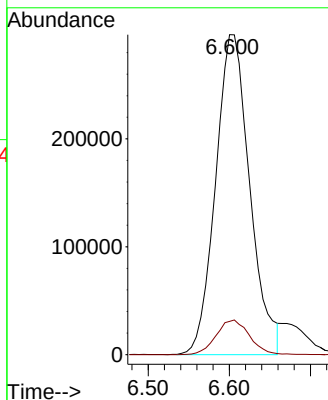
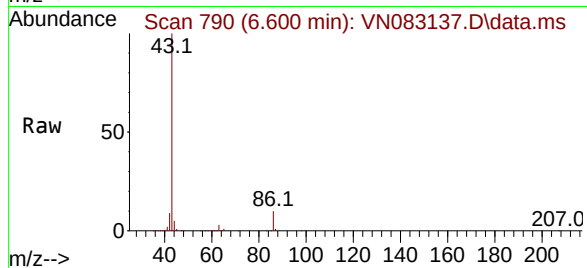
10.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#24

1,1-Dichloroethane

Concen: 20.366 ug/l

RT: 6.571 min Scan# 785

Delta R.T. 0.000 min

Lab File: VN083137.D

Acq: 07 Aug 2024 11:22

Tgt Ion: 63 Resp: 93066

Ion Ratio Lower Upper

63

100

98

7.6

3.3

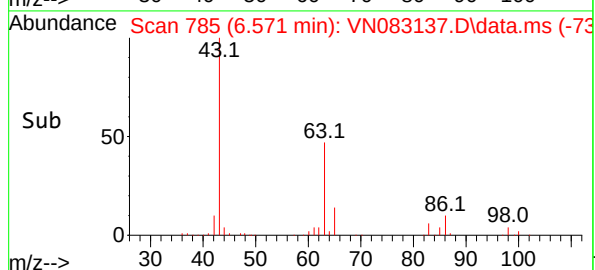
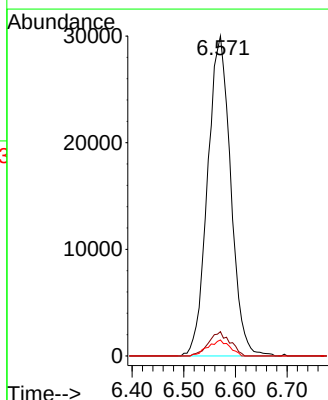
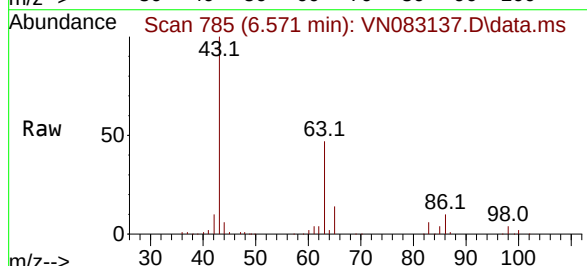
9.9

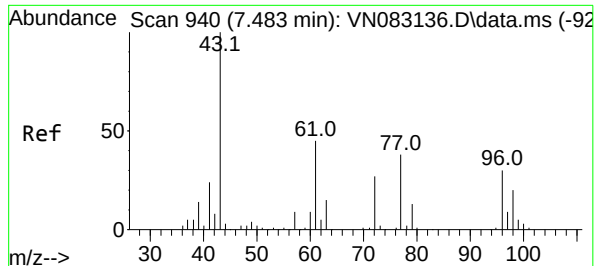
100

5.0

2.0

6.0





#25

2-Butanone

Concen: 99.107 ug/l

RT: 7.488 min Scan# 941

Delta R.T. 0.006 min

Lab File: VN083137.D

Acq: 07 Aug 2024 11:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC020

Tgt Ion: 43 Resp: 18045

Ion Ratio Lower Upper

43 100

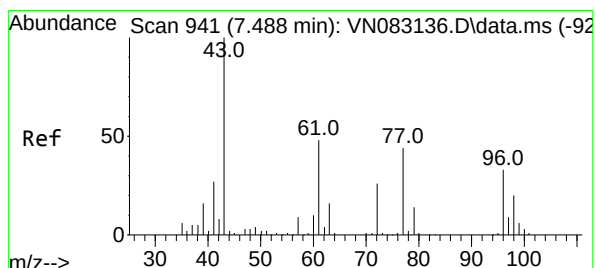
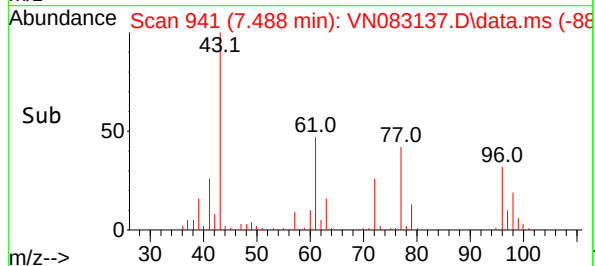
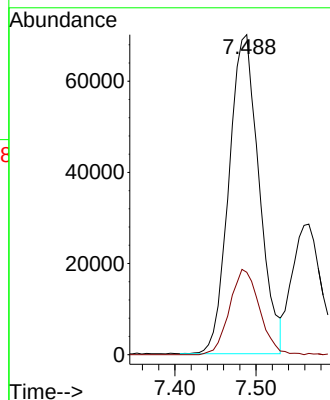
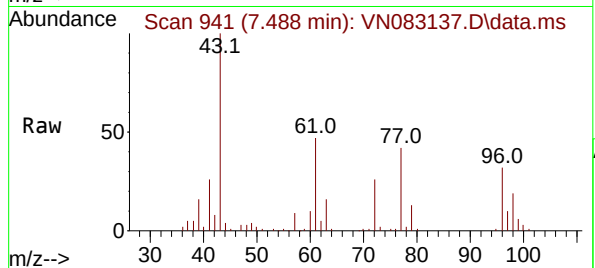
72 25.9 18.2 27.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#26

2,2-Dichloropropane

Concen: 20.445 ug/l

RT: 7.488 min Scan# 941

Delta R.T. 0.000 min

Lab File: VN083137.D

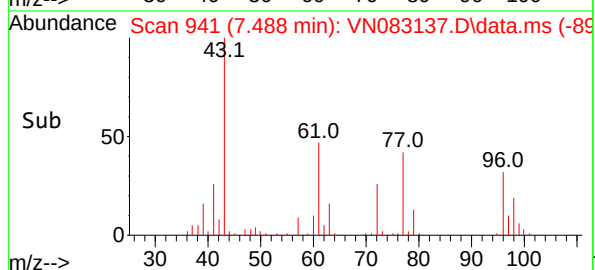
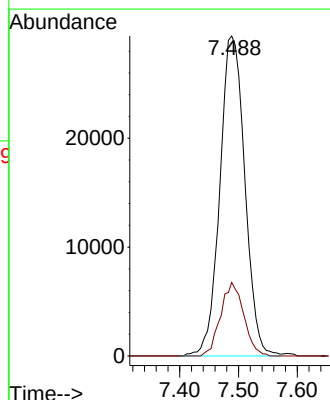
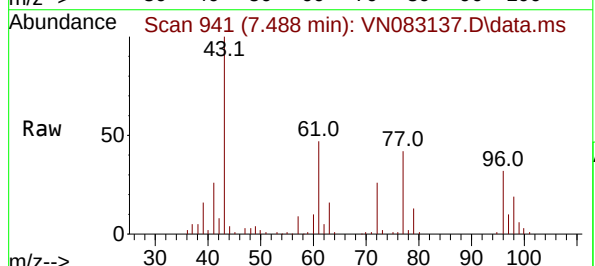
Acq: 07 Aug 2024 11:22

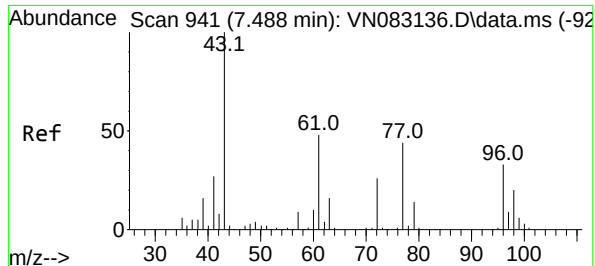
Tgt Ion: 77 Resp: 86767

Ion Ratio Lower Upper

77 100

97 21.3 10.3 30.9





#27

cis-1,2-Dichloroethene

Concen: 19.993 ug/l

RT: 7.488 min Scan# 941

Delta R.T. 0.000 min

Lab File: VN083137.D

Acq: 07 Aug 2024 11:22

Instrument :

MSVOA_N

ClientSampleId :

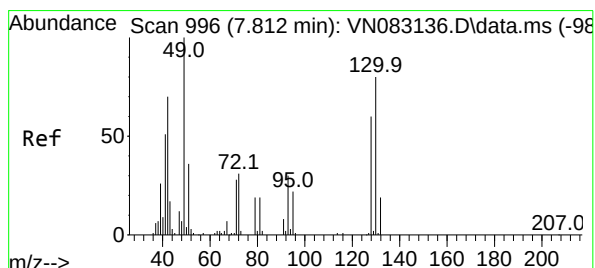
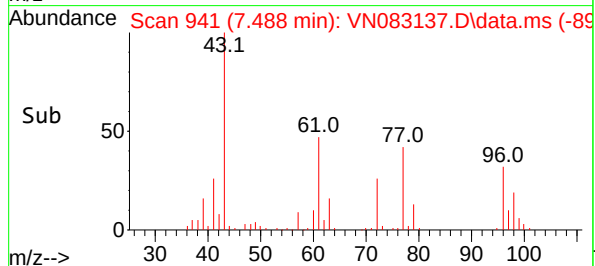
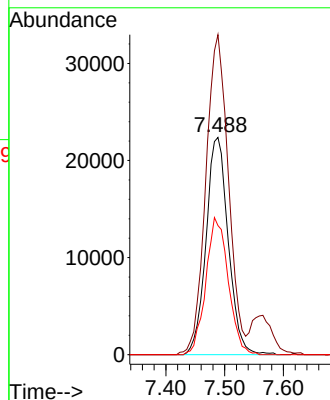
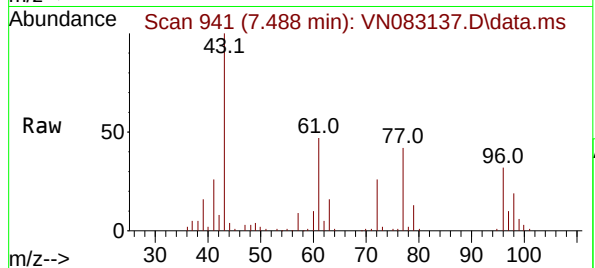
VSTDICC020

Tgt Ion:	96	Resp:	5885
Ion	Ratio	Lower	Upper
96	100		
61	149.6	0.0	329.6
98	63.7	0.0	128.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#28

Bromochloromethane

Concen: 19.153 ug/l

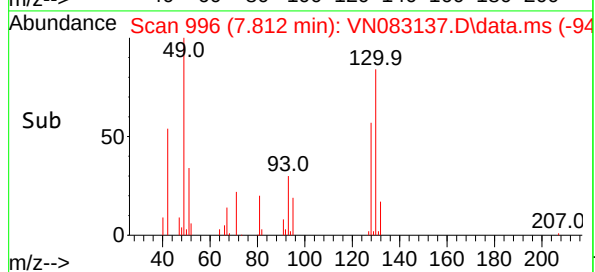
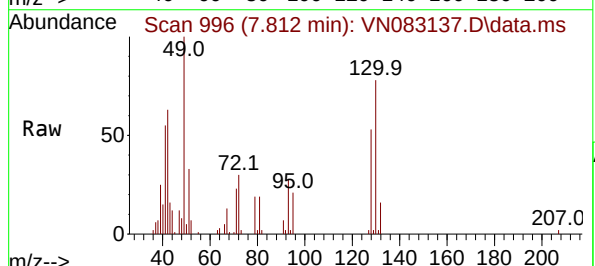
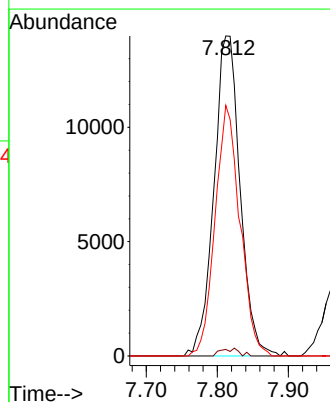
RT: 7.812 min Scan# 996

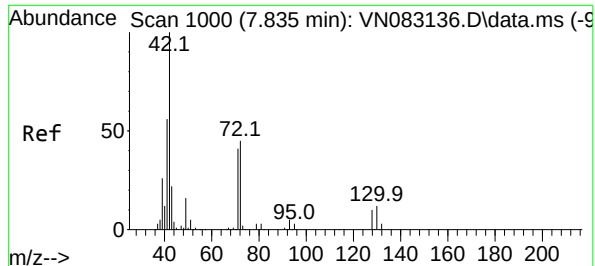
Delta R.T. 0.000 min

Lab File: VN083137.D

Acq: 07 Aug 2024 11:22

Tgt Ion:	49	Resp:	35768
Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.8
130	74.4	50.5	75.7





#29

Tetrahydrofuran

Concen: 98.399 ug/l

RT: 7.841 min Scan# 1000

Delta R.T. 0.006 min

Lab File: VN083137.D

Acq: 07 Aug 2024 11:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC020

Tgt Ion: 42 Resp: 11582

Ion Ratio Lower Upper

42 100

72 45.8 30.0 45.0

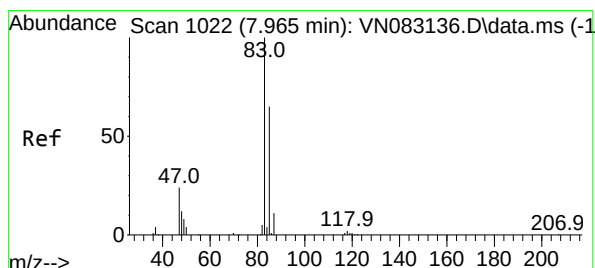
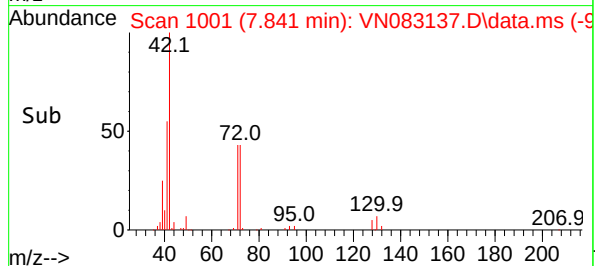
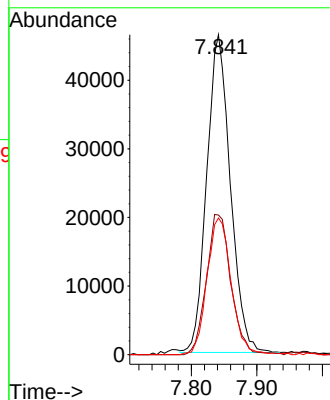
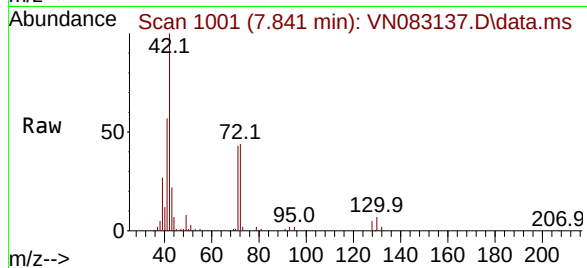
71 44.0 28.3 42.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#30

Chloroform

Concen: 19.917 ug/l

RT: 7.965 min Scan# 1022

Delta R.T. 0.000 min

Lab File: VN083137.D

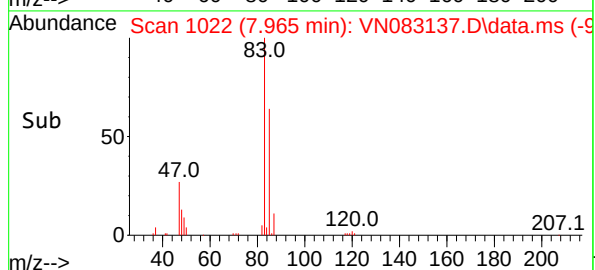
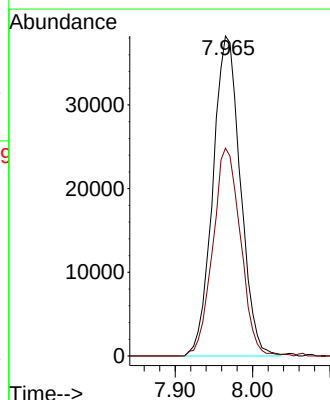
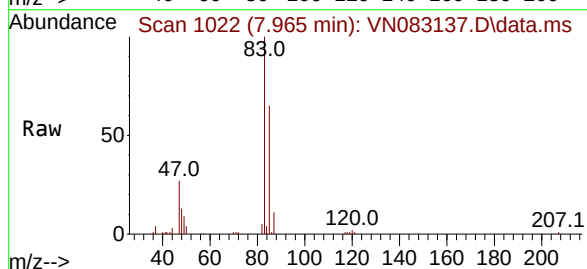
Acq: 07 Aug 2024 11:22

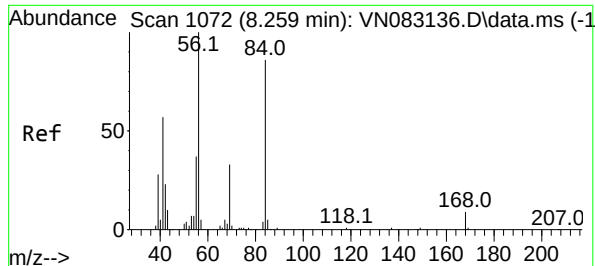
Tgt Ion: 83 Resp: 94560

Ion Ratio Lower Upper

83 100

85 64.9 50.9 76.3





#31

Cyclohexane

Concen: 19.144 ug/l

RT: 8.253 min Scan# 1071

Delta R.T. -0.006 min

Lab File: VN083137.D

Acq: 07 Aug 2024 11:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC020

Tgt Ion: 56 Resp: 85978

Ion Ratio Lower Upper

56 100

69 30.4 24.5 36.7

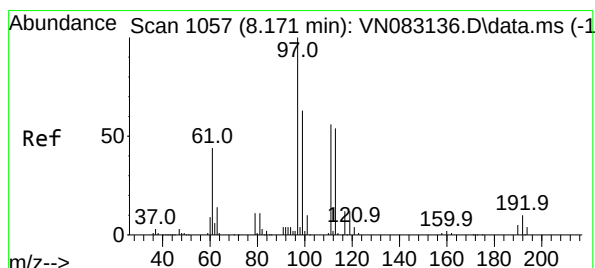
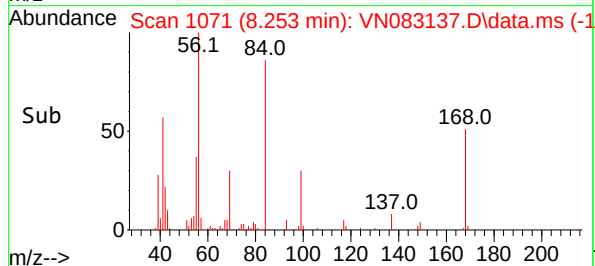
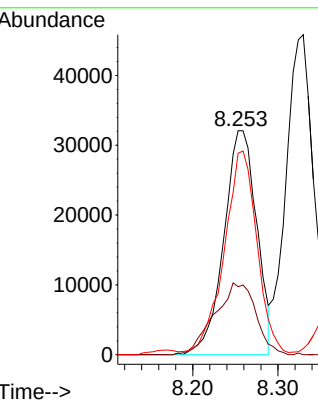
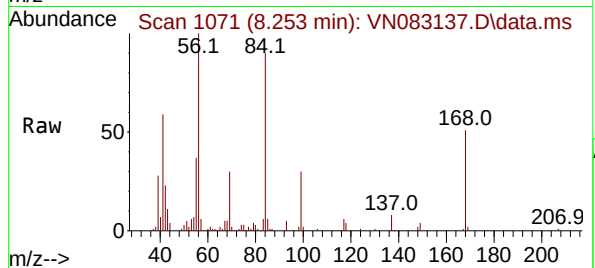
84 87.9 66.0 99.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#32

1,1,1-Trichloroethane

Concen: 20.194 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.006 min

Lab File: VN083137.D

Acq: 07 Aug 2024 11:22

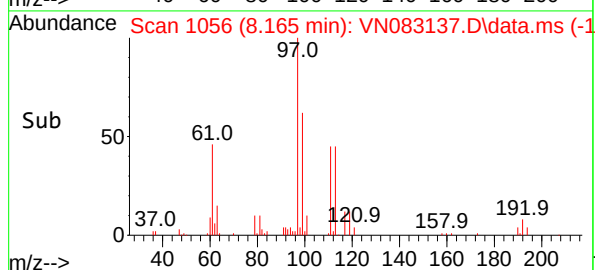
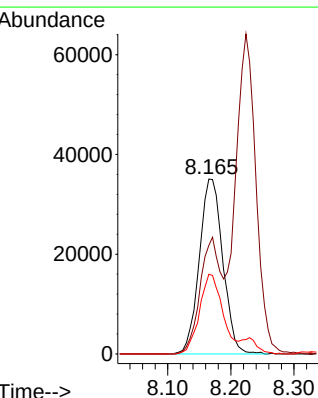
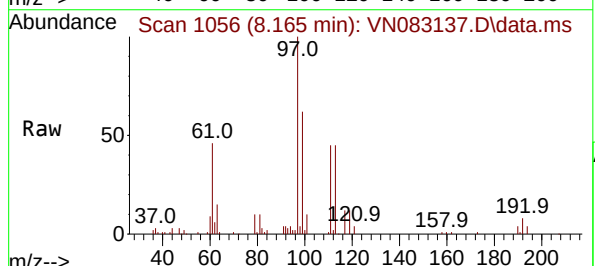
Tgt Ion: 97 Resp: 90748

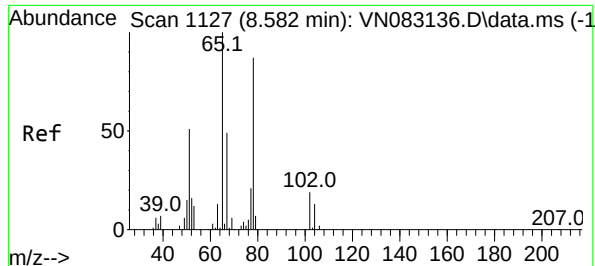
Ion Ratio Lower Upper

97 100

99 58.9 52.0 78.0

61 45.3 42.1 63.1





#33

1,2-Dichloroethane-d4

Concen: 16.881 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN083137.D

Acq: 07 Aug 2024 11:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 65 Resp: 5115

Ion Ratio Lower Upper

65 100

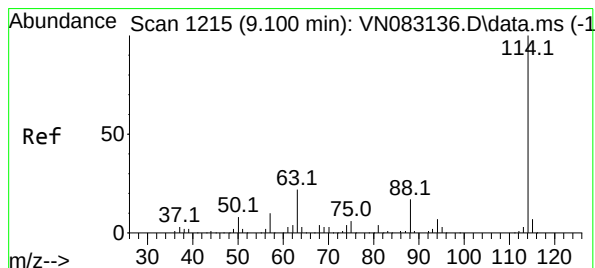
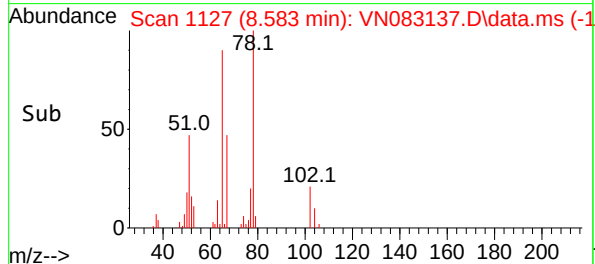
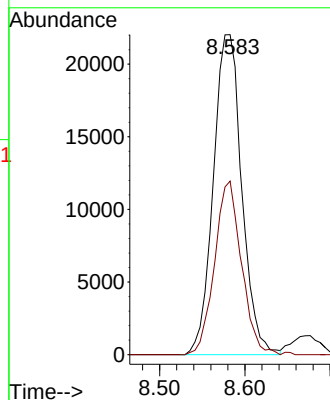
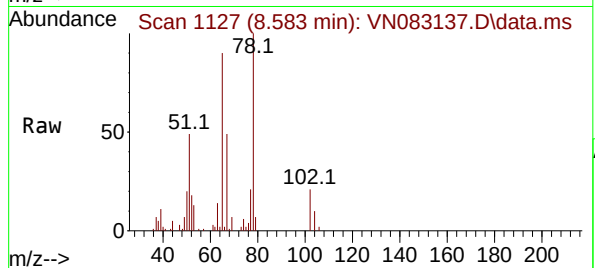
67 51.1 0.0 104.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN083137.D

Acq: 07 Aug 2024 11:22

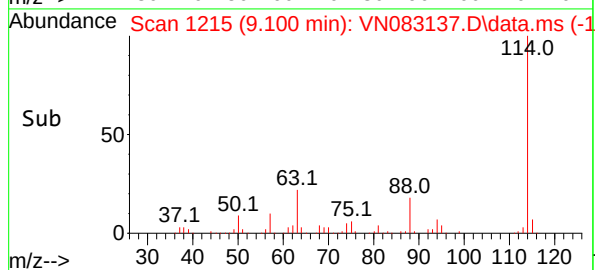
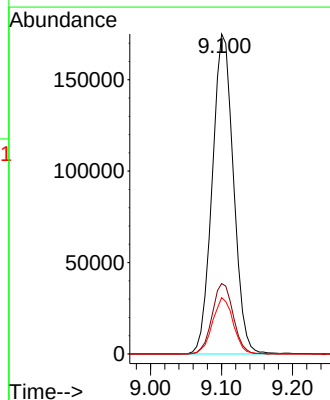
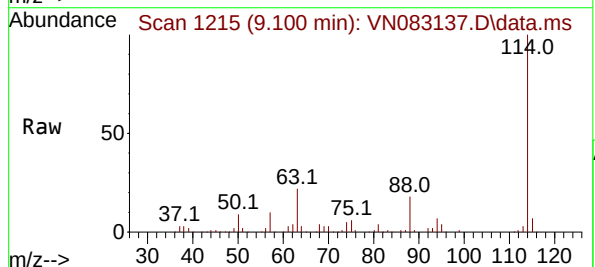
Tgt Ion:114 Resp: 362741

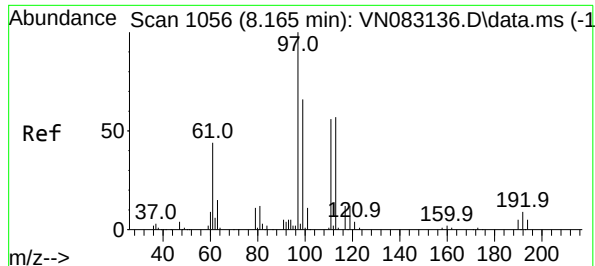
Ion Ratio Lower Upper

114 100

63 22.0 0.0 44.6

88 17.6 0.0 31.4





#35

Dibromofluoromethane

Concen: 16.940 ug/l

RT: 8.171 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN083137.D

Acq: 07 Aug 2024 11:22

Instrument :

MSVOA_N

ClientSampleId :

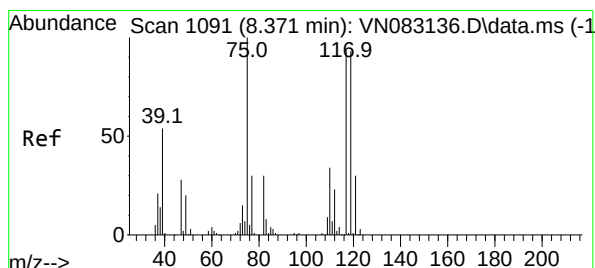
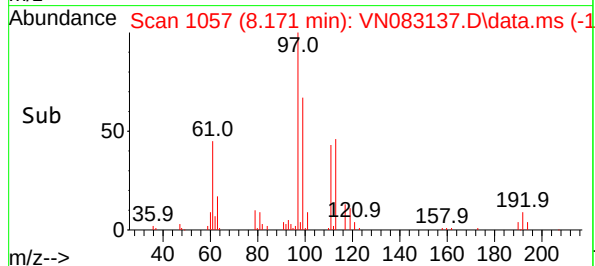
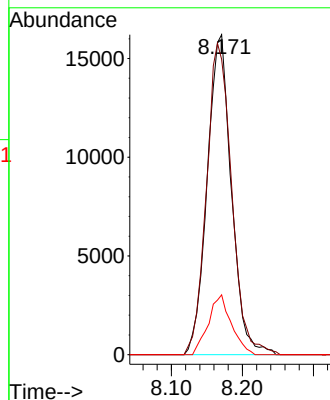
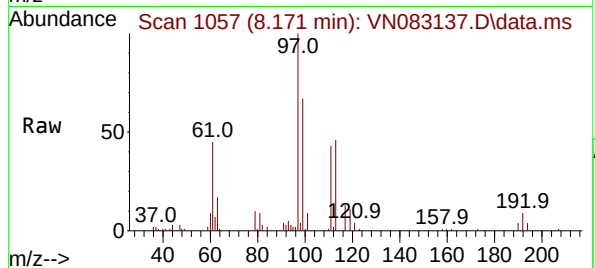
VSTDIC020

Tgt Ion:	113	Resp:	38354
Ion	Ratio	Lower	Upper
113	100		
111	101.3	82.4	123.6
192	17.8	14.9	22.3

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#36

1,1-Dichloropropene

Concen: 19.978 ug/l

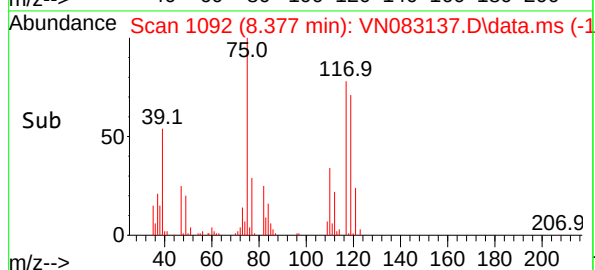
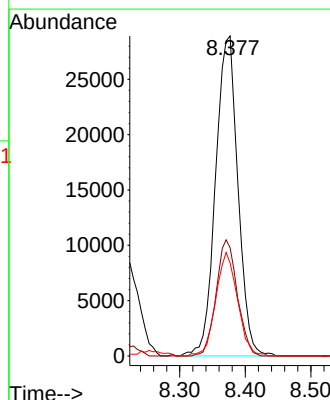
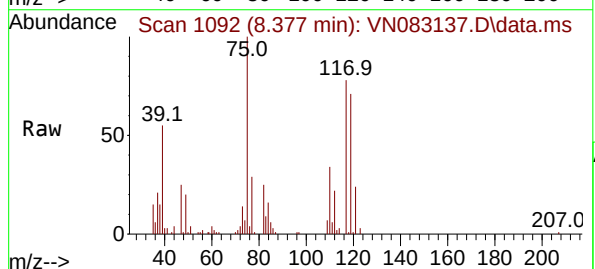
RT: 8.377 min Scan# 1092

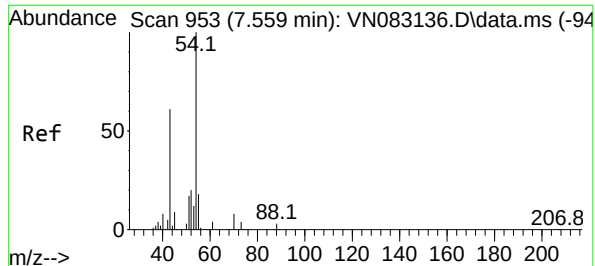
Delta R.T. 0.006 min

Lab File: VN083137.D

Acq: 07 Aug 2024 11:22

Tgt Ion:	75	Resp:	68425
Ion	Ratio	Lower	Upper
75	100		
110	34.3	16.3	48.9
77	31.3	24.6	37.0





#37

Ethyl Acetate

Concen: 18.985 ug/l

RT: 7.565 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN083137.D

Acq: 07 Aug 2024 11:22

Instrument :

MSVOA_N

ClientSampleId :

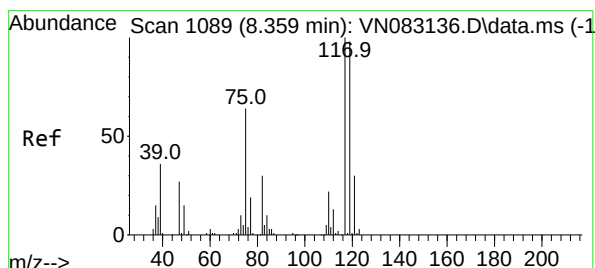
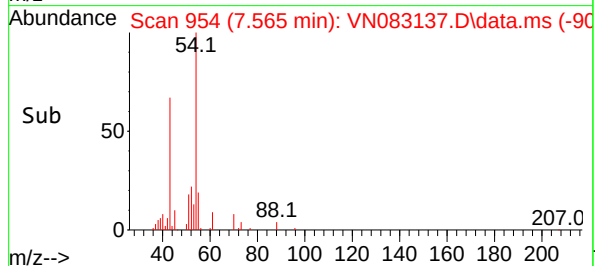
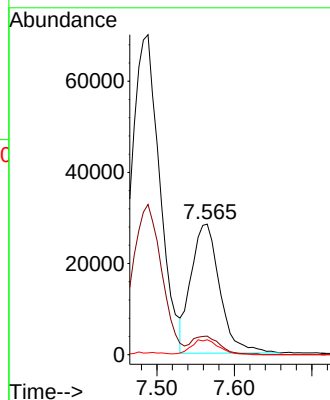
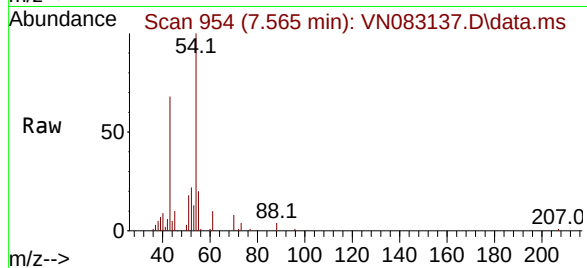
VSTDICC020

Tgt Ion:	43	Resp:	72800
Ion	Ratio	Lower	Upper
43	100		
61	14.3	9.3	13.9
70	11.2	7.0	10.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#38

Carbon Tetrachloride

Concen: 20.605 ug/l

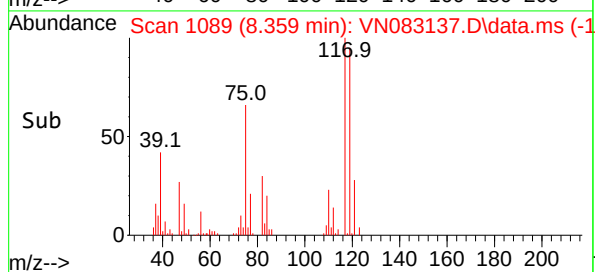
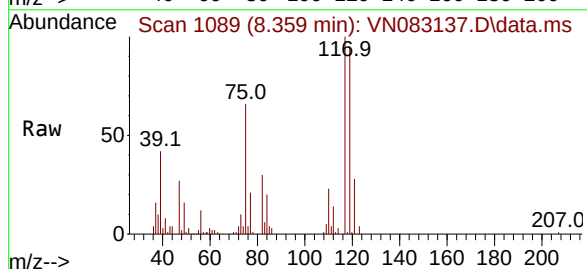
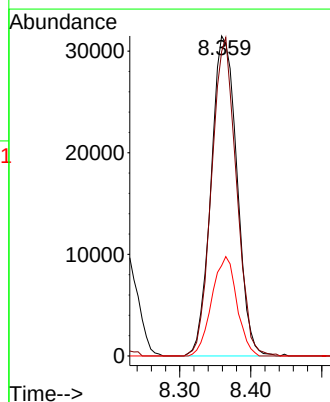
RT: 8.359 min Scan# 1089

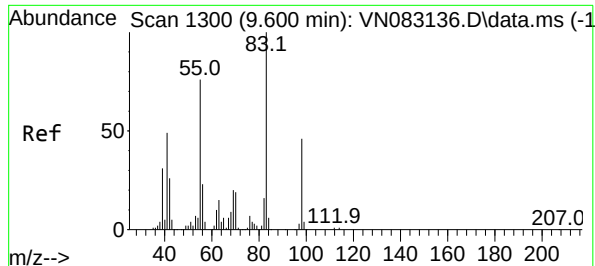
Delta R.T. 0.000 min

Lab File: VN083137.D

Acq: 07 Aug 2024 11:22

Tgt Ion:	117	Resp:	79487
Ion	Ratio	Lower	Upper
117	100		
119	95.1	74.9	112.3
121	28.3	24.3	36.5





#39

Methylcyclohexane

Concen: 20.246 ug/l

RT: 9.600 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VN083137.D

Acq: 07 Aug 2024 11:22

Instrument :

MSVOA_N

ClientSampleId :

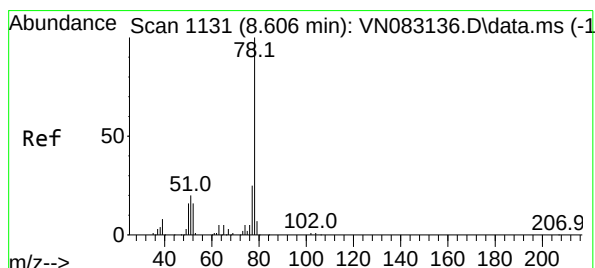
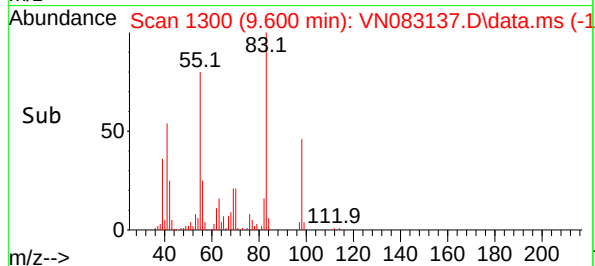
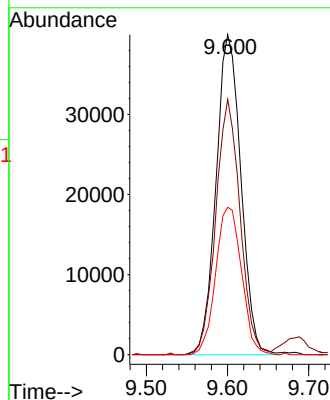
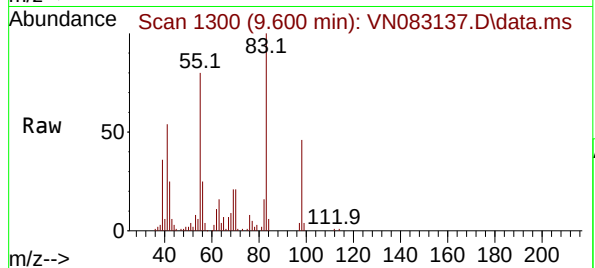
VSTDIC020

Tgt Ion:	83	Resp:	8517
Ion Ratio	Lower	Upper	
83	100		
55	79.7	66.4	99.6
98	46.1	40.7	61.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#40

Benzene

Concen: 20.345 ug/l

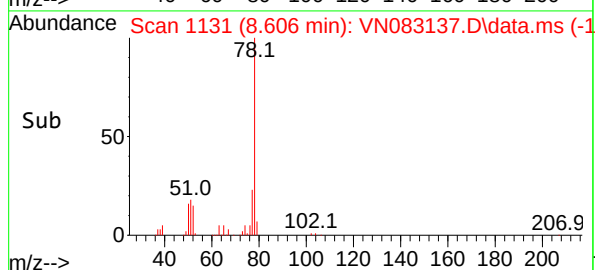
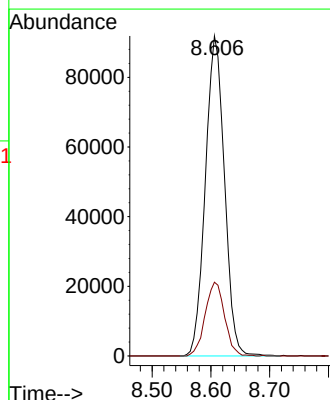
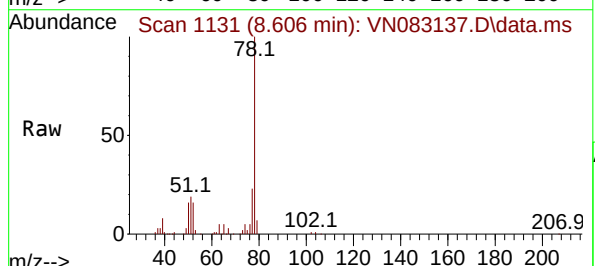
RT: 8.606 min Scan# 1131

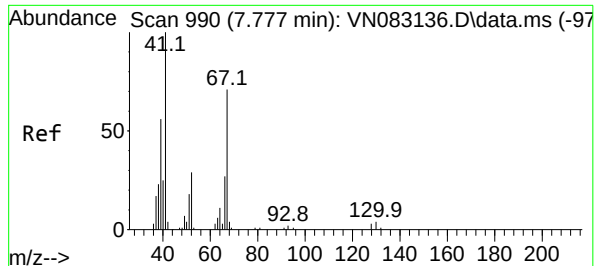
Delta R.T. 0.000 min

Lab File: VN083137.D

Acq: 07 Aug 2024 11:22

Tgt Ion:	78	Resp:	207581
Ion Ratio	Lower	Upper	
78	100		
77	23.1	19.0	28.4





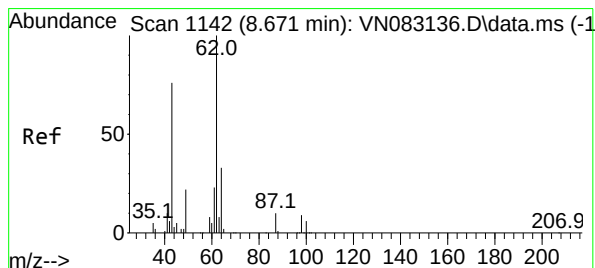
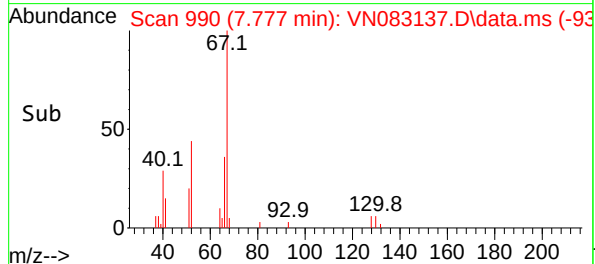
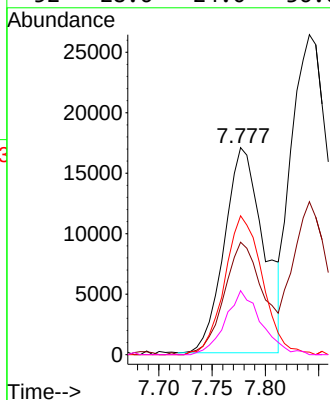
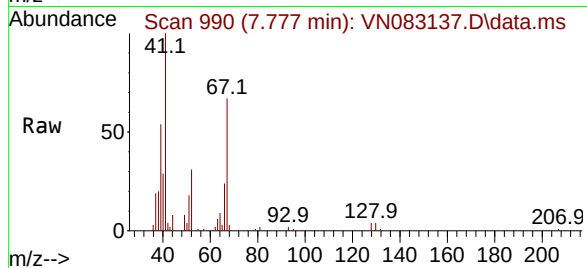
#41
Methacrylonitrile
Concen: 19.968 ug/l
RT: 7.777 min Scan# 990
Delta R.T. 0.000 min
Lab File: VN083137.D
Acq: 07 Aug 2024 11:22

Instrument :
MSVOA_N
Client Sample Id :
VSTDICC020

Tgt Ion: 41 Resp: 43539
Ion Ratio Lower Upper
41 100
39 54.6 45.5 68.3
67 65.2 50.5 75.7
52 28.6 24.0 36.0

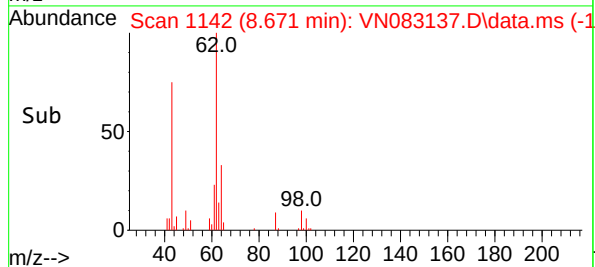
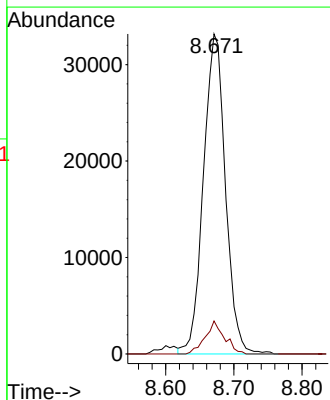
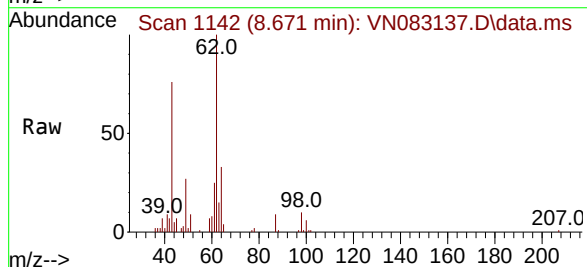
Manual Integrations
APPROVED

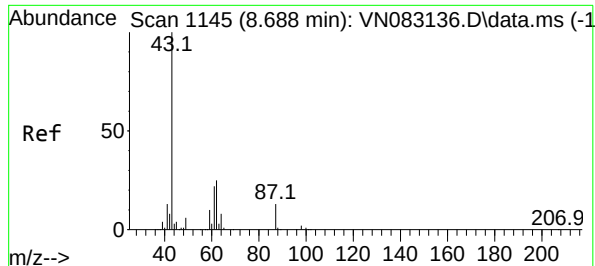
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#42
1,2-Dichloroethane
Concen: 20.062 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VN083137.D
Acq: 07 Aug 2024 11:22

Tgt Ion: 62 Resp: 74567
Ion Ratio Lower Upper
62 100
98 9.0 0.0 15.8





#43

Isopropyl Acetate

Concen: 19.459 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VN083137.D

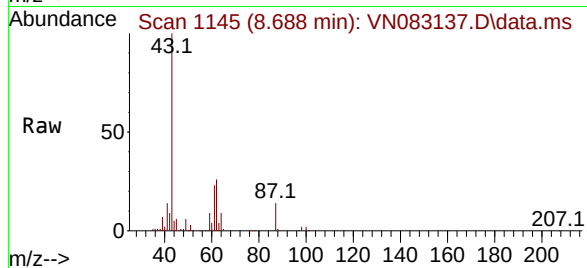
Acq: 07 Aug 2024 11:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

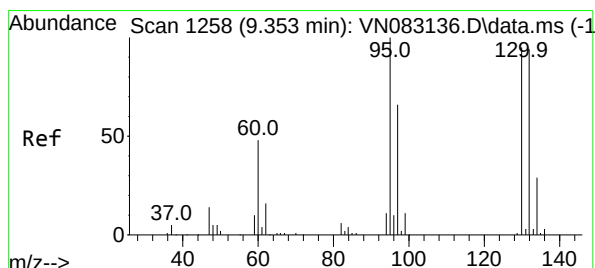
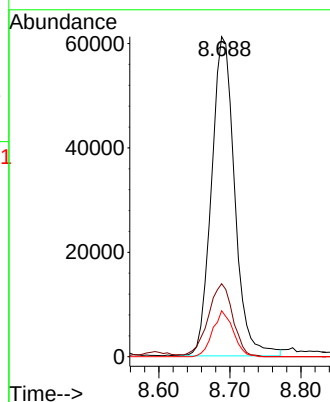
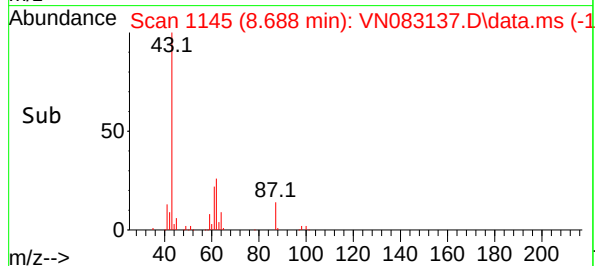


Tgt Ion:	43	Resp:	13871
Ion Ratio	Lower	Upper	
43	100		
61	24.5	17.8	26.6
87	12.7	8.2	12.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#44

Trichloroethene

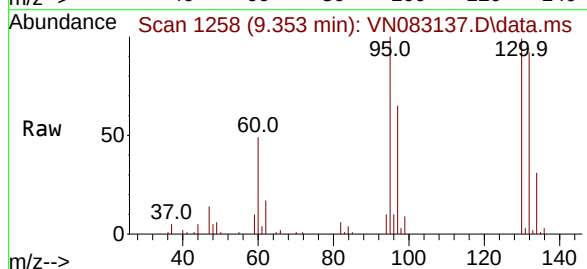
Concen: 20.469 ug/l

RT: 9.353 min Scan# 1258

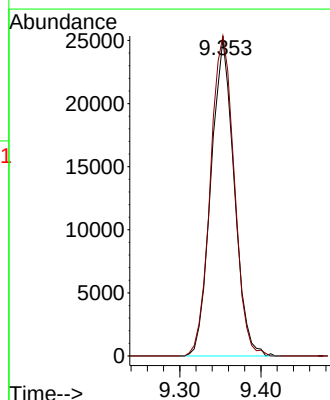
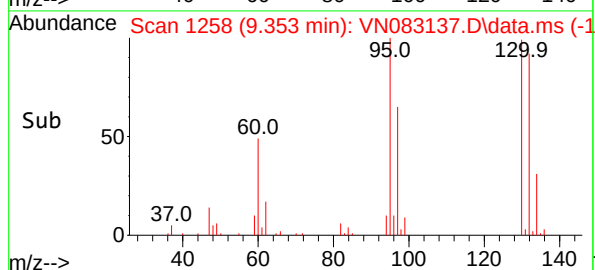
Delta R.T. 0.000 min

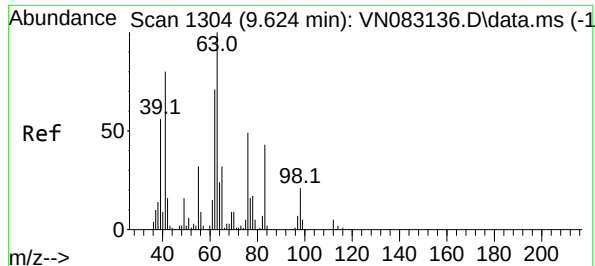
Lab File: VN083137.D

Acq: 07 Aug 2024 11:22



Tgt Ion:	130	Resp:	49712
Ion Ratio	Lower	Upper	
130	100		
95	101.0	0.0	197.8





#45

1,2-Dichloropropane

Concen: 20.594 ug/l

RT: 9.624 min Scan# 1304

Delta R.T. 0.000 min

Lab File: VN083137.D

Acq: 07 Aug 2024 11:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC020

Tgt Ion: 63 Resp: 49878

Ion Ratio Lower Upper

63 100

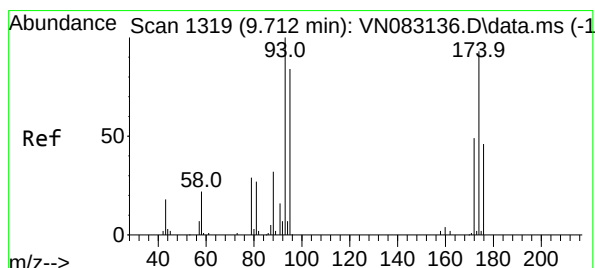
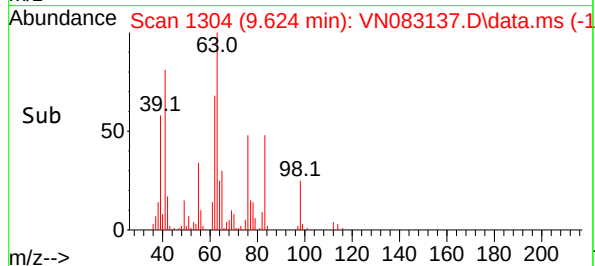
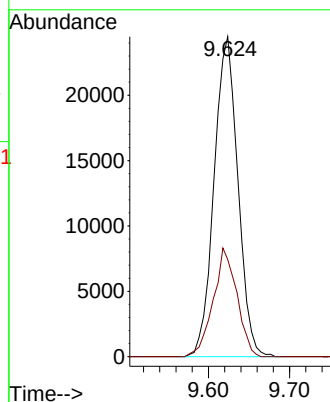
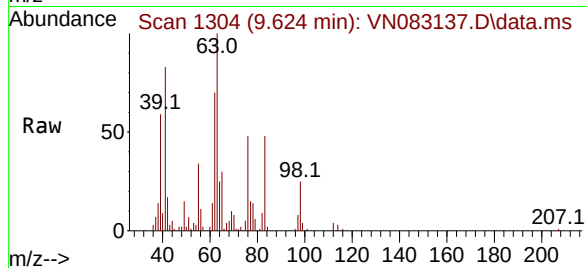
65 30.4 24.4 36.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#46

Dibromomethane

Concen: 20.512 ug/l

RT: 9.712 min Scan# 1319

Delta R.T. 0.000 min

Lab File: VN083137.D

Acq: 07 Aug 2024 11:22

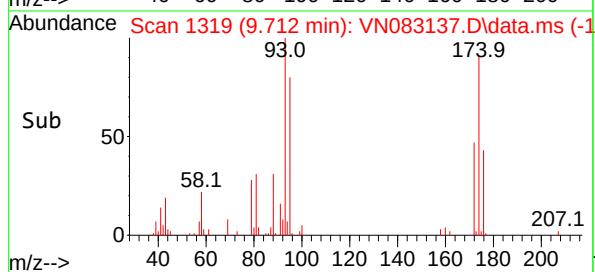
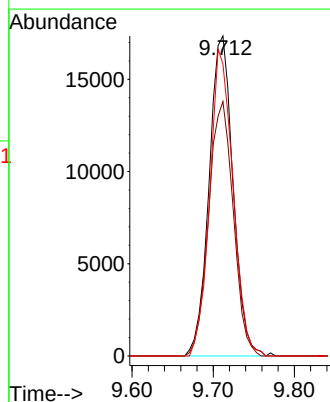
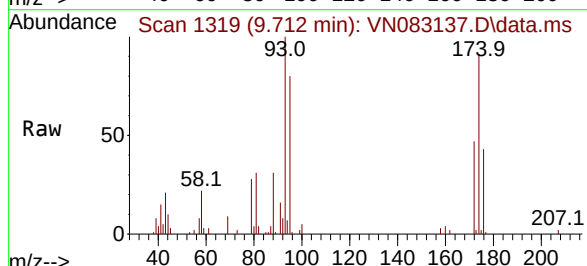
Tgt Ion: 93 Resp: 35560

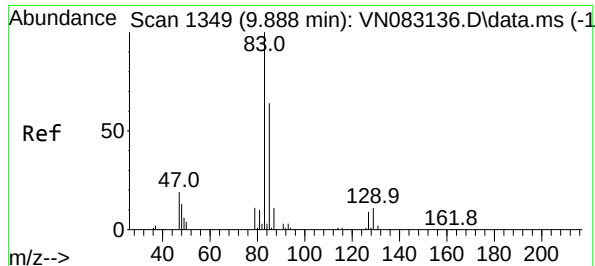
Ion Ratio Lower Upper

93 100

95 81.8 65.8 98.6

174 92.9 71.7 107.5





#47

Bromodichloromethane

Concen: 20.147 ug/l

RT: 9.888 min Scan# 1349

Delta R.T. 0.000 min

Lab File: VN083137.D

Acq: 07 Aug 2024 11:22

Instrument :

MSVOA_N

ClientSampleId :

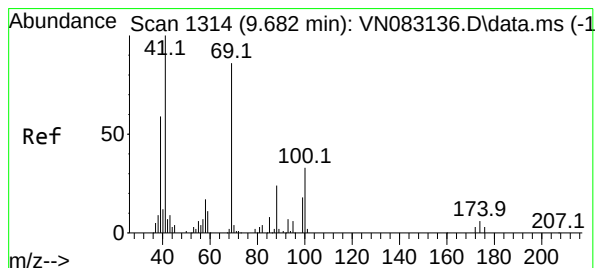
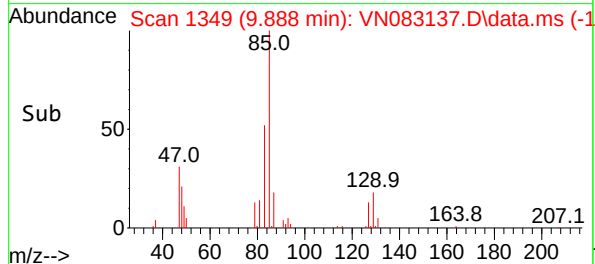
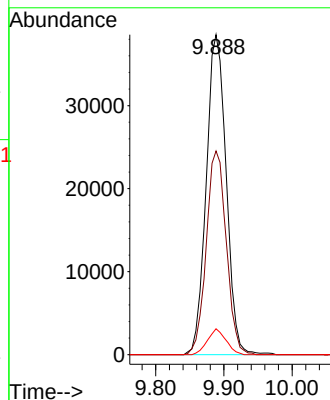
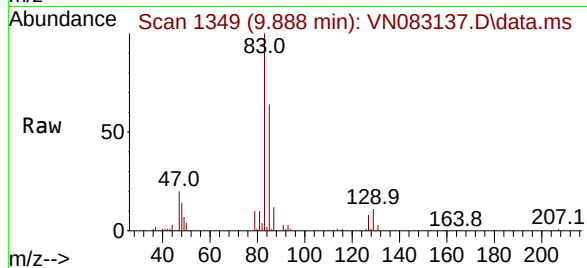
VSTDICC020

Tgt Ion:	83	Resp:	7842
Ion Ratio	Lower	Upper	
83	100		
85	63.7	51.1	76.7
127	8.1	7.2	10.8

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#48

Methyl methacrylate

Concen: 19.254 ug/l

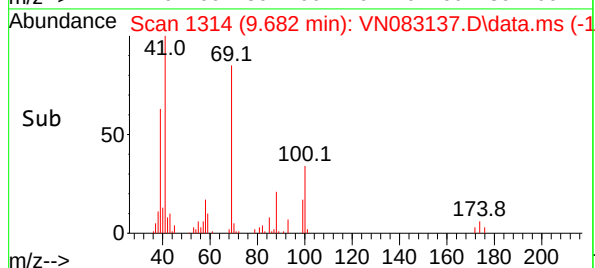
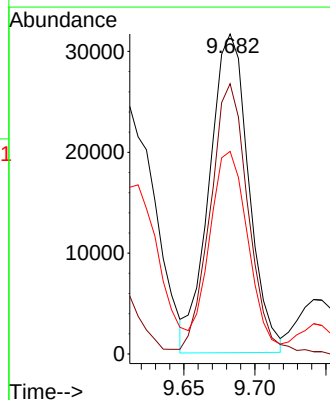
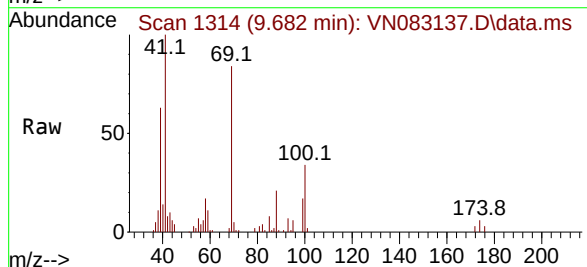
RT: 9.682 min Scan# 1314

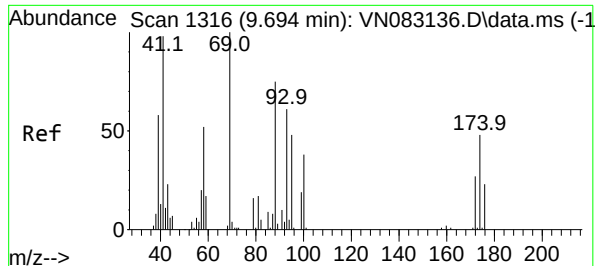
Delta R.T. 0.000 min

Lab File: VN083137.D

Acq: 07 Aug 2024 11:22

Tgt Ion:	41	Resp:	61044
Ion Ratio	Lower	Upper	
41	100		
69	82.1	56.3	84.5
39	62.5	50.3	75.5





#49

1,4-Dioxane

Concen: 403.558 ug/l

RT: 9.694 min Scan# 1316

Delta R.T. 0.000 min

Lab File: VN083137.D

Acq: 07 Aug 2024 11:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 88 Resp: 2308

Ion Ratio Lower Upper

88 100

43 32.7 27.8 41.8

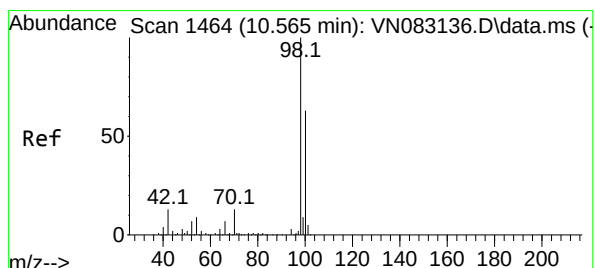
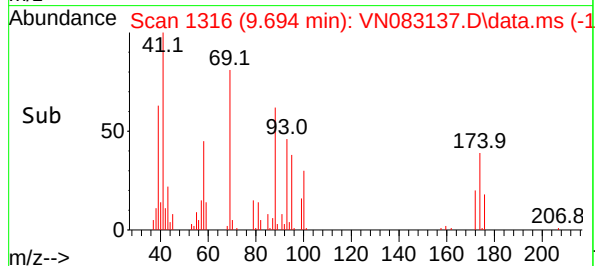
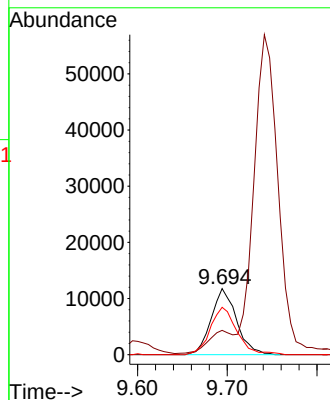
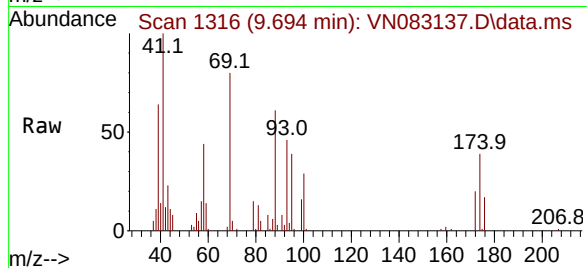
58 75.6 59.4 89.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#50

Toluene-d8

Concen: 16.926 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN083137.D

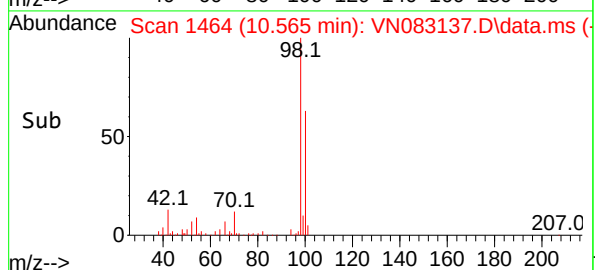
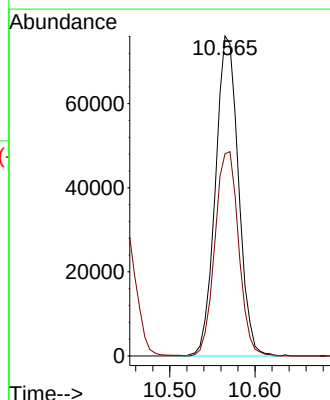
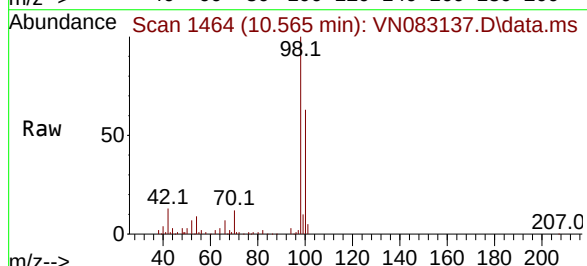
Acq: 07 Aug 2024 11:22

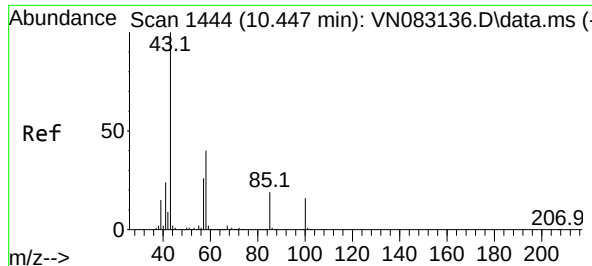
Tgt Ion: 98 Resp: 142952

Ion Ratio Lower Upper

98 100

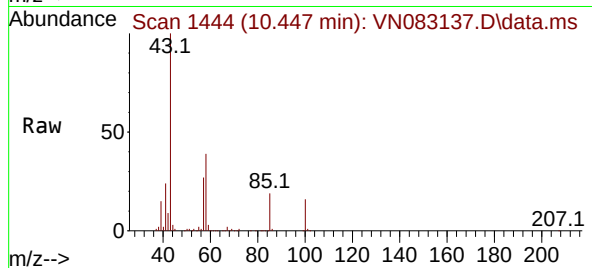
100 65.8 51.5 77.3





#51
4-Methyl-2-Pentanone
Concen: 103.224 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN083137.D
Acq: 07 Aug 2024 11:22

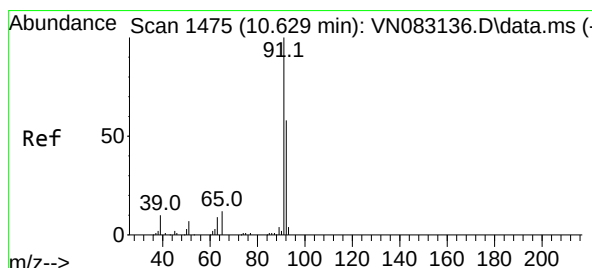
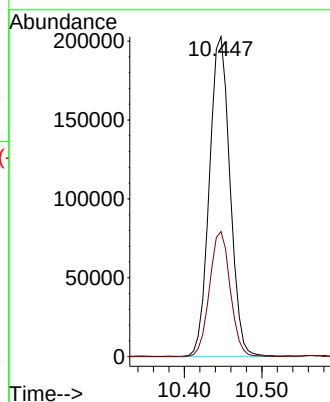
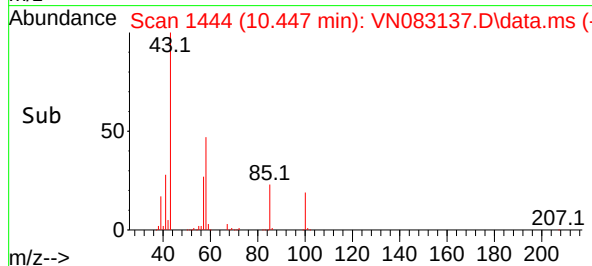
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020



Tgt Ion: 43 Resp: 37433
Ion Ratio Lower Upper
43 100
58 39.4 28.2 42.4

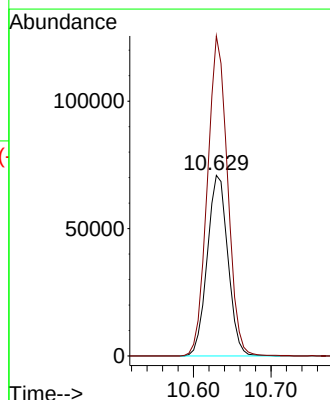
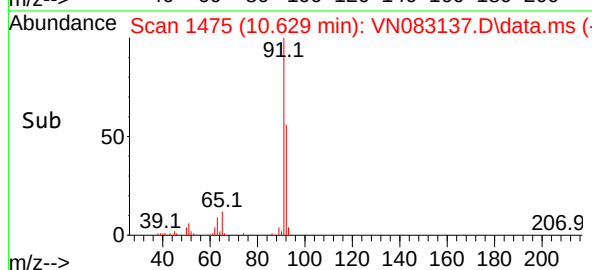
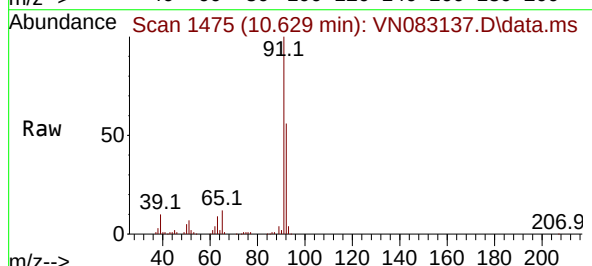
Manual Integrations
APPROVED

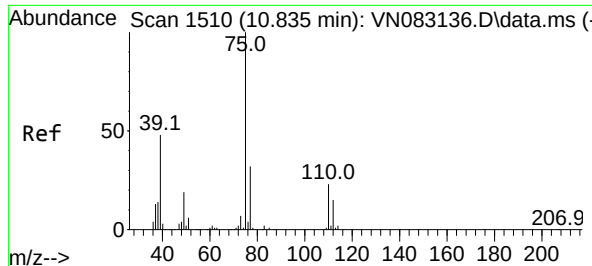
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#52
Toluene
Concen: 20.358 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN083137.D
Acq: 07 Aug 2024 11:22

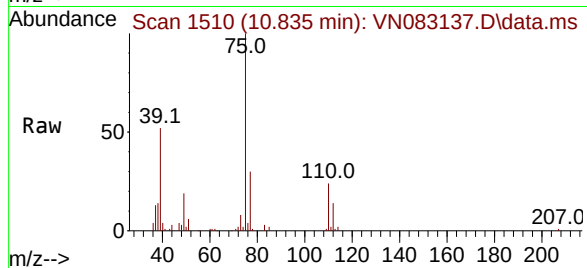
Tgt Ion: 92 Resp: 131247
Ion Ratio Lower Upper
92 100
91 173.0 139.4 209.0





#53
t-1,3-Dichloropropene
Concen: 20.793 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. 0.000 min
Lab File: VN083137.D
Acq: 07 Aug 2024 11:22

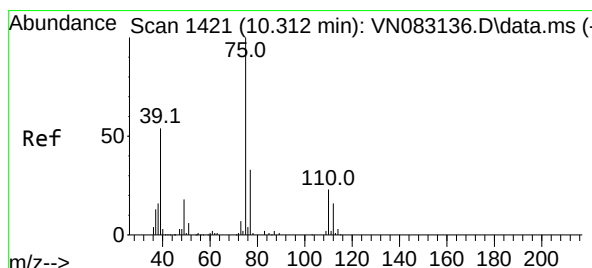
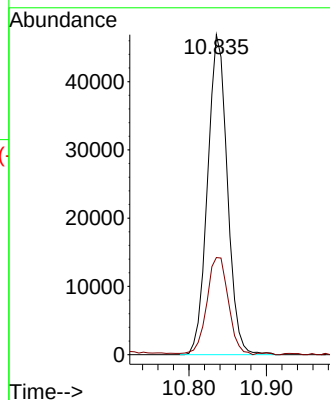
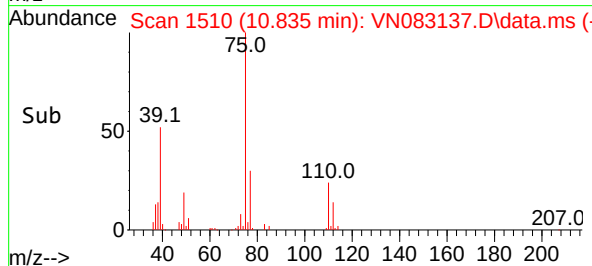
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020



Tgt Ion: 75 Resp: 83139
Ion Ratio Lower Upper
75 100
77 30.4 25.7 38.5

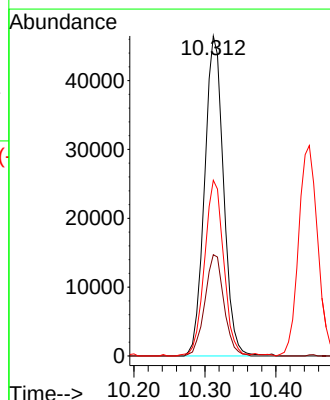
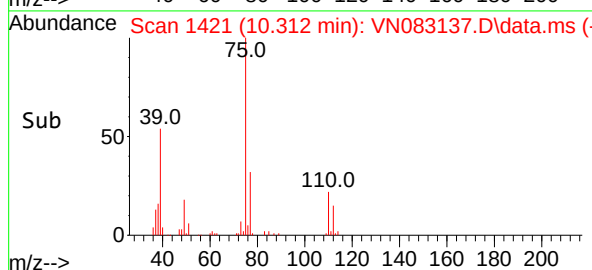
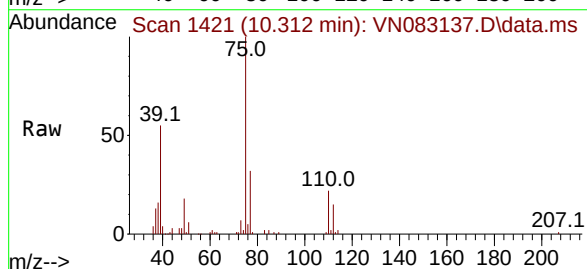
Manual Integrations
APPROVED

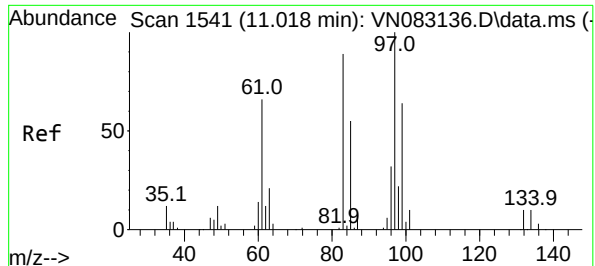
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#54
cis-1,3-Dichloropropene
Concen: 20.351 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.000 min
Lab File: VN083137.D
Acq: 07 Aug 2024 11:22

Tgt Ion: 75 Resp: 86551
Ion Ratio Lower Upper
75 100
77 31.7 24.3 36.5
39 54.5 50.5 75.7





#55

1,1,2-Trichloroethane

Concen: 20.811 ug/l

RT: 11.018 min Scan# 1541

Delta R.T. 0.000 min

Lab File: VN083137.D

Acq: 07 Aug 2024 11:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC020

Tgt Ion: 97 Resp: 4808

Ion Ratio Lower Upper

97 100

83 81.1 71.4 107.0

85 56.0 45.8 68.6

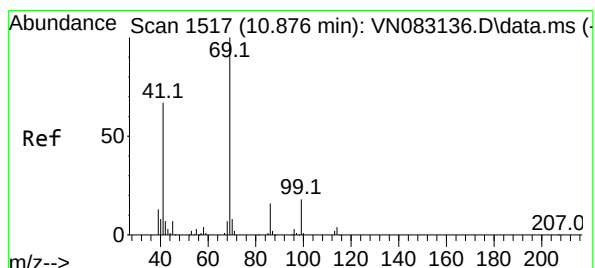
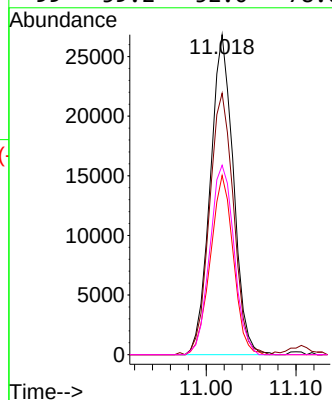
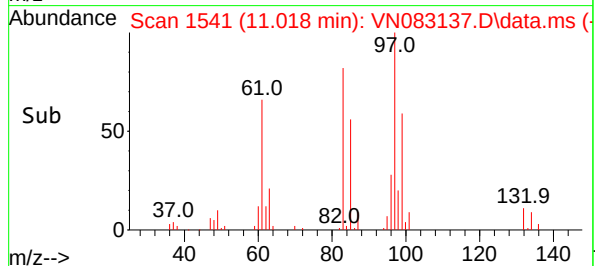
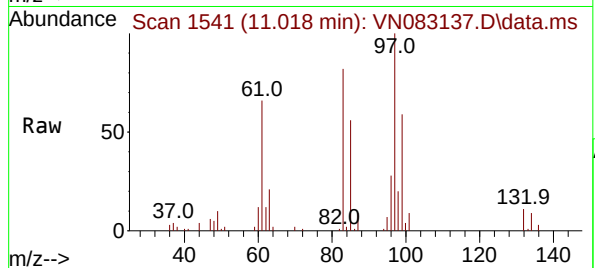
99 59.2 52.0 78.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#56

Ethyl methacrylate

Concen: 20.550 ug/l

RT: 10.877 min Scan# 1517

Delta R.T. 0.000 min

Lab File: VN083137.D

Acq: 07 Aug 2024 11:22

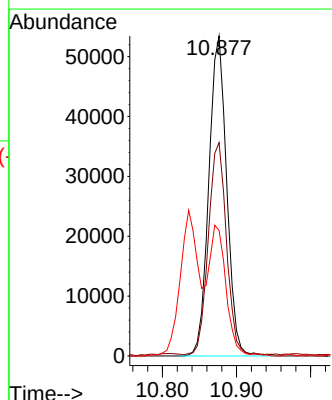
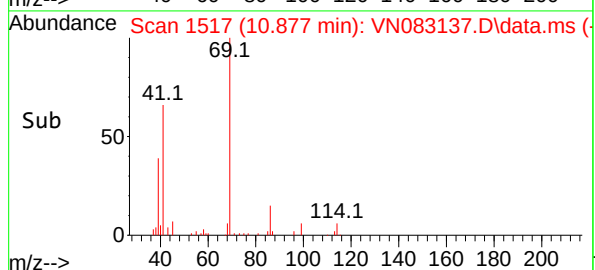
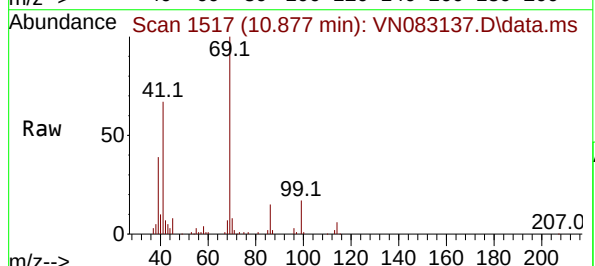
Tgt Ion: 69 Resp: 89503

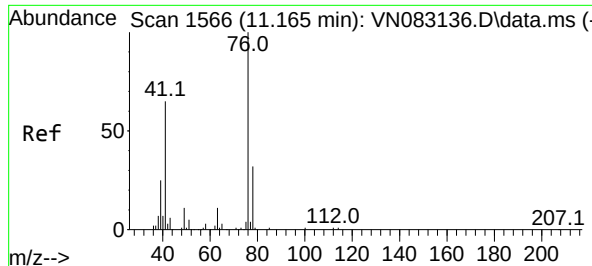
Ion Ratio Lower Upper

69 100

41 67.5 63.4 95.2

39 41.2 37.4 56.0





#57

1,3-Dichloropropane

Concen: 20.464 ug/l

RT: 11.165 min Scan# 1566

Delta R.T. 0.000 min

Lab File: VN083137.D

Acq: 07 Aug 2024 11:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 76 Resp: 8427

Ion Ratio Lower Upper

76 100

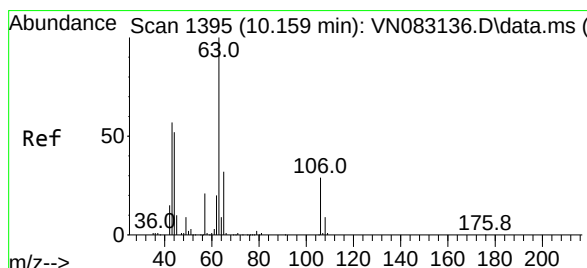
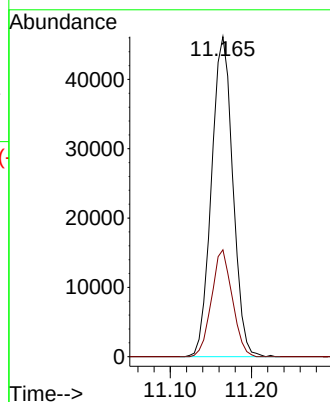
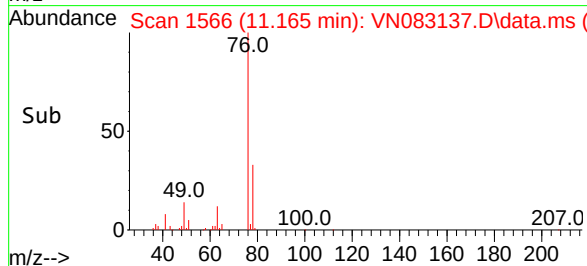
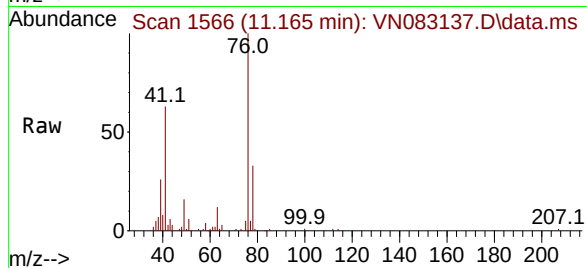
78 32.5 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#58

2-Chloroethyl Vinyl ether

Concen: 95.242 ug/l

RT: 10.159 min Scan# 1395

Delta R.T. 0.000 min

Lab File: VN083137.D

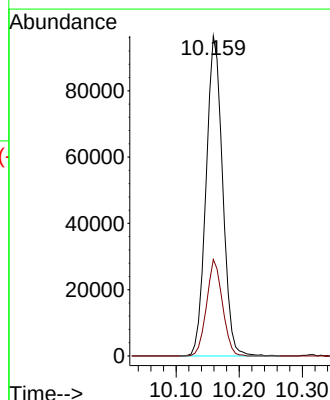
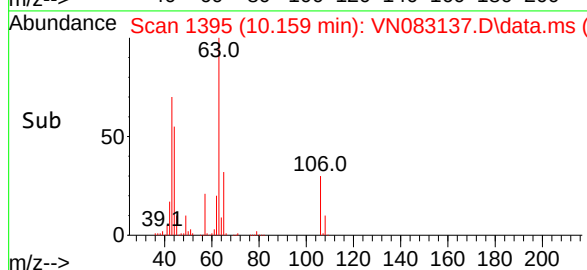
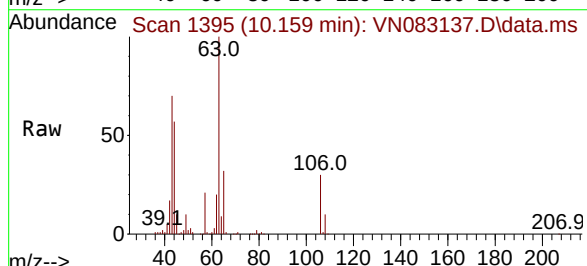
Acq: 07 Aug 2024 11:22

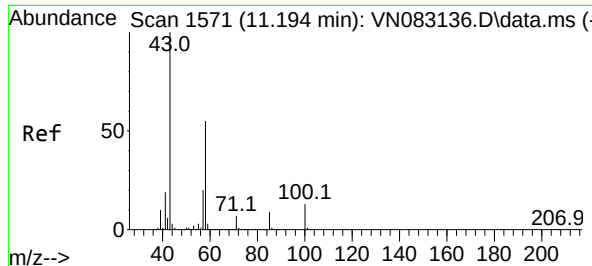
Tgt Ion: 63 Resp: 175345

Ion Ratio Lower Upper

63 100

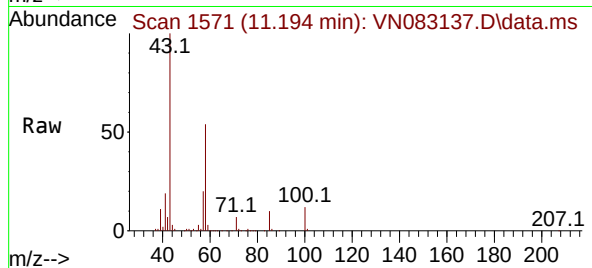
106 28.9 21.4 32.0





#59
2-Hexanone
Concen: 102.020 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. 0.000 min
Lab File: VN083137.D
Acq: 07 Aug 2024 11:22

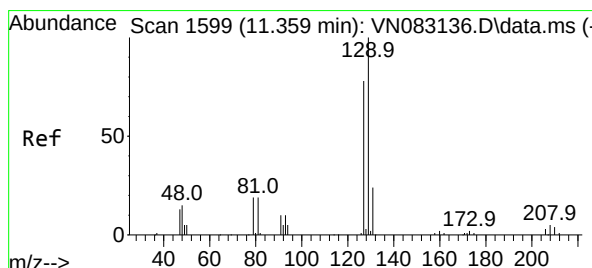
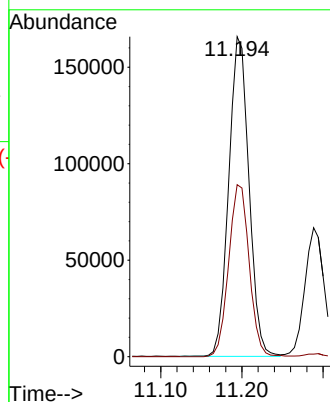
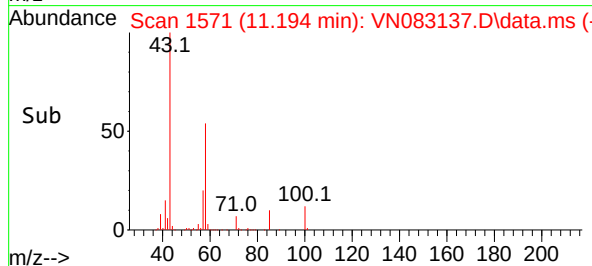
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020



Tgt Ion: 43 Resp: 28622
Ion Ratio Lower Upper
43 100
58 54.7 24.6 73.8

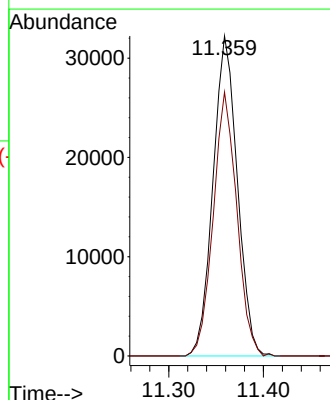
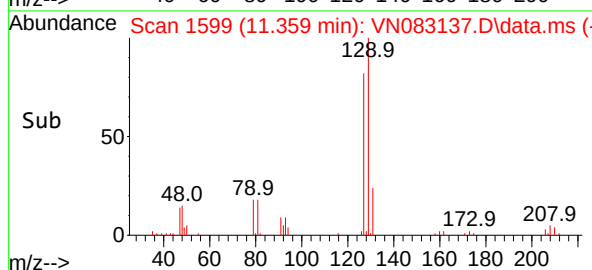
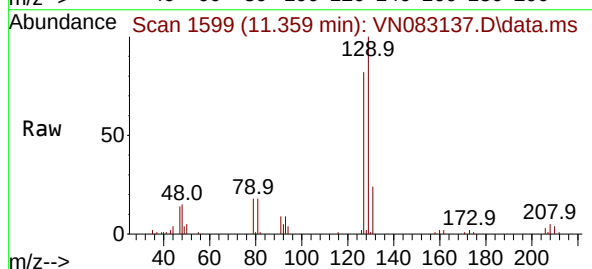
Manual Integrations
APPROVED

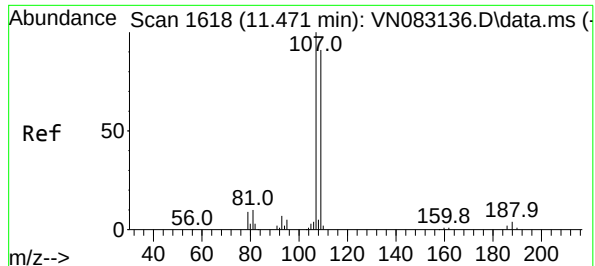
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#60
Dibromochloromethane
Concen: 20.610 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VN083137.D
Acq: 07 Aug 2024 11:22

Tgt Ion:129 Resp: 57571
Ion Ratio Lower Upper
129 100
127 79.9 39.2 117.6





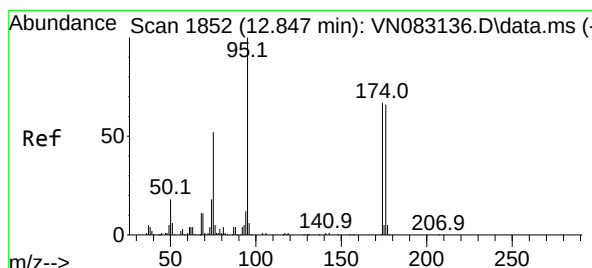
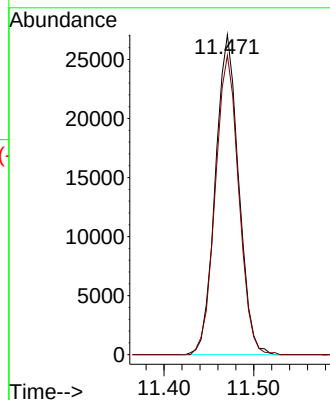
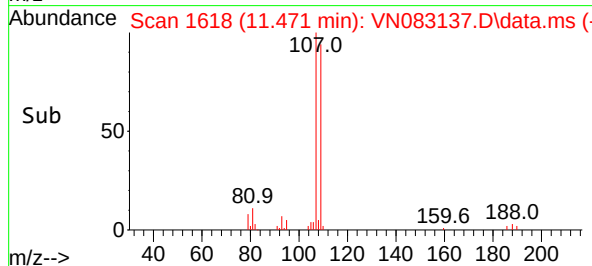
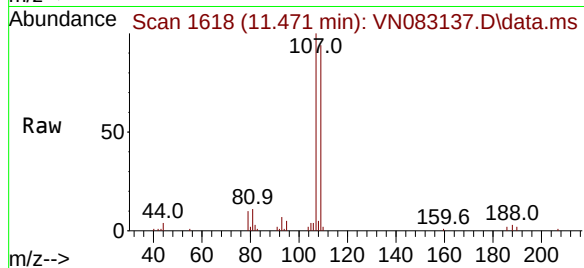
#61
1,2-Dibromoethane
Concen: 20.088 ug/l
RT: 11.471 min Scan# 1618
Delta R.T. 0.000 min
Lab File: VN083137.D
Acq: 07 Aug 2024 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:107 Resp: 4875
Ion Ratio Lower Upper
107 100
109 94.4 73.7 110.5

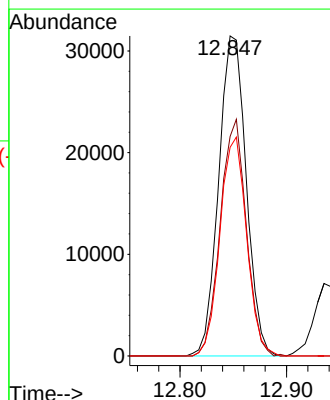
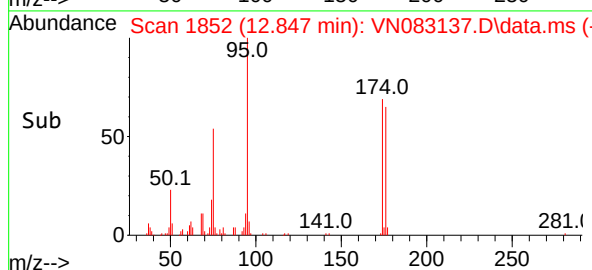
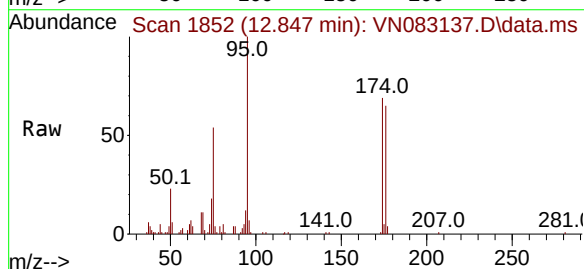
Manual Integrations
APPROVED

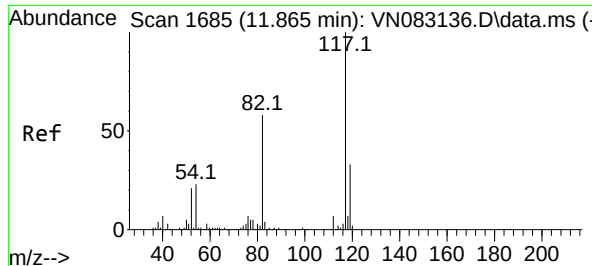
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#62
4-Bromofluorobenzene
Concen: 17.179 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN083137.D
Acq: 07 Aug 2024 11:22

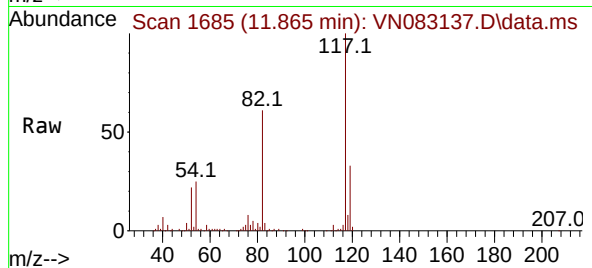
Tgt Ion: 95 Resp: 56566
Ion Ratio Lower Upper
95 100
174 69.8 0.0 159.2
176 66.2 0.0 147.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN083137.D
Acq: 07 Aug 2024 11:22

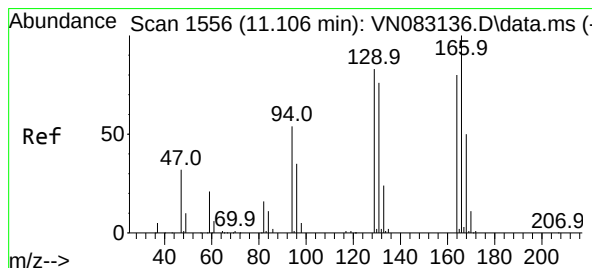
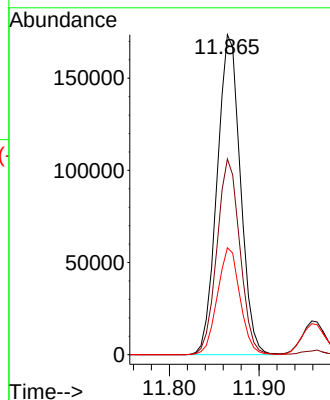
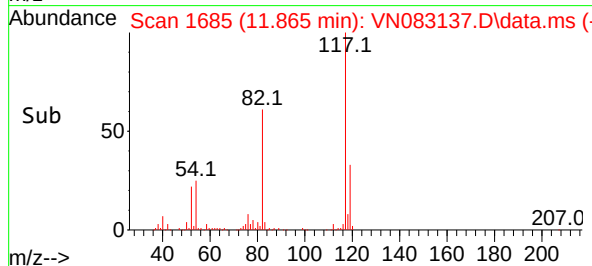
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020



Tgt Ion:117 Resp: 31325
Ion Ratio Lower Upper
117 100
82 61.1 47.5 71.3
119 33.4 25.6 38.4

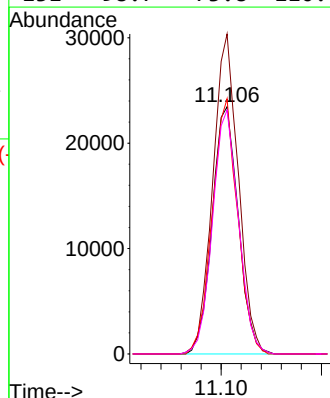
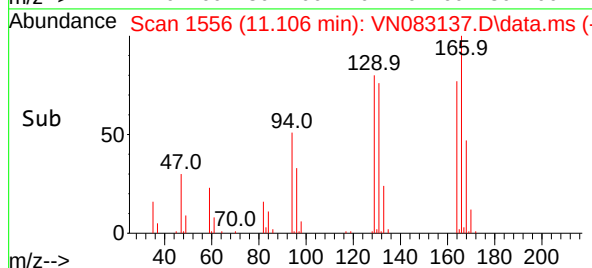
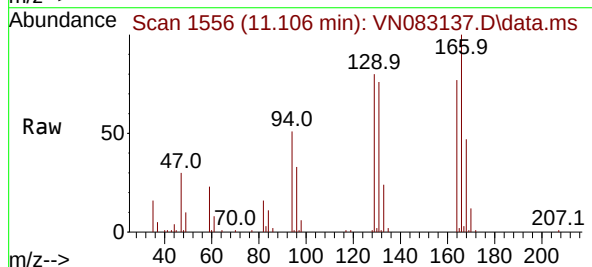
Manual Integrations
APPROVED

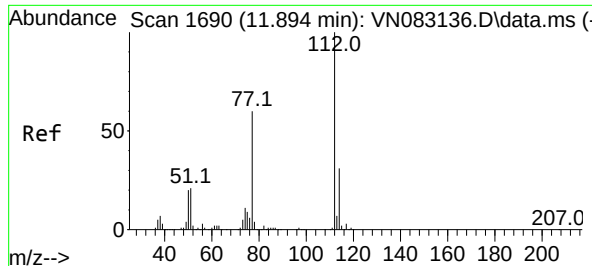
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#64
Tetrachloroethene
Concen: 20.405 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. 0.000 min
Lab File: VN083137.D
Acq: 07 Aug 2024 11:22

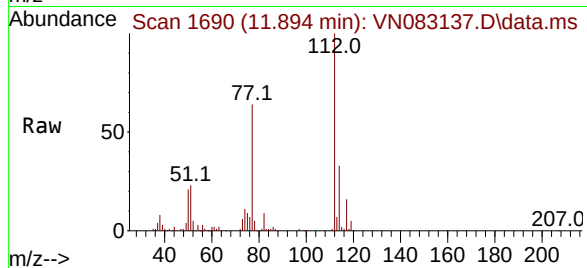
Tgt Ion:164 Resp: 42332
Ion Ratio Lower Upper
164 100
166 129.4 101.4 152.0
129 103.2 75.7 113.5
131 98.7 73.8 110.6





#65
Chlorobenzene
Concen: 19.933 ug/l
RT: 11.894 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN083137.D
Acq: 07 Aug 2024 11:22

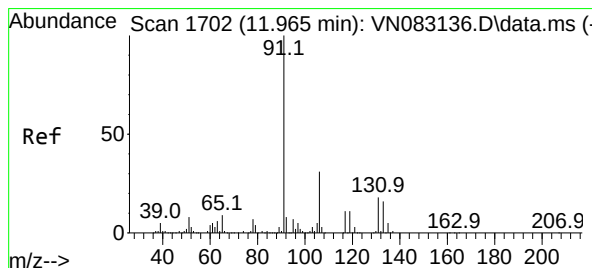
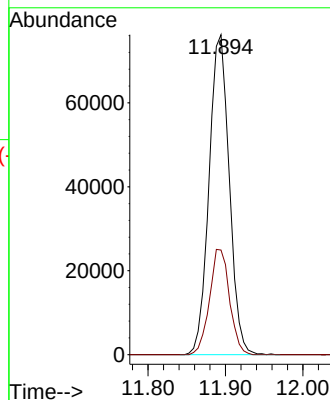
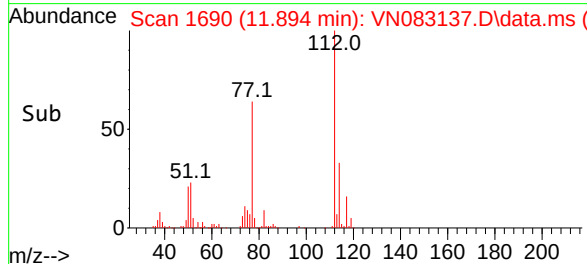
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020



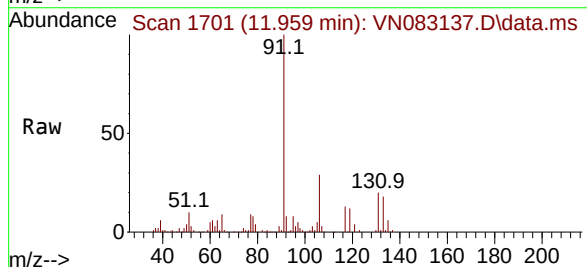
Tgt Ion:112 Resp: 137984
Ion Ratio Lower Upper
112 100
114 32.7 26.2 39.2

Manual Integrations
APPROVED

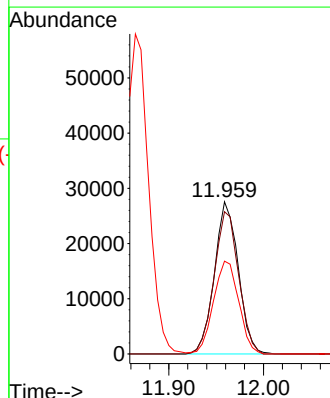
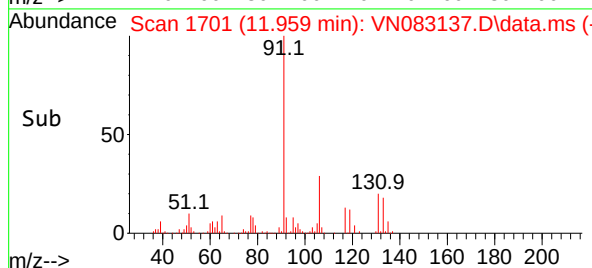
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024

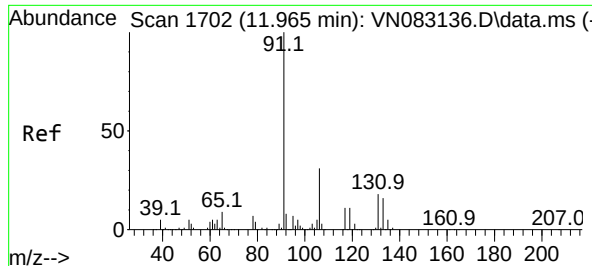


#66
1,1,1,2-Tetrachloroethane
Concen: 19.762 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.006 min
Lab File: VN083137.D
Acq: 07 Aug 2024 11:22



Tgt Ion:131 Resp: 48247
Ion Ratio Lower Upper
131 100
133 96.1 47.3 142.0
119 64.5 32.5 97.4





#67

Ethyl Benzene

Concen: 20.335 ug/l

RT: 11.965 min Scan# 1702

Delta R.T. 0.000 min

Lab File: VN083137.D

Acq: 07 Aug 2024 11:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC020

Tgt Ion: 91 Resp: 25823

Ion Ratio Lower Upper

91 100

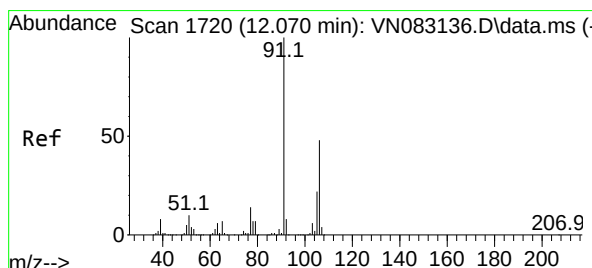
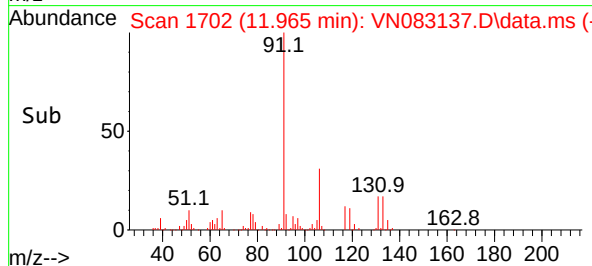
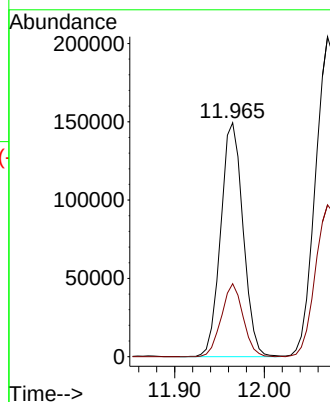
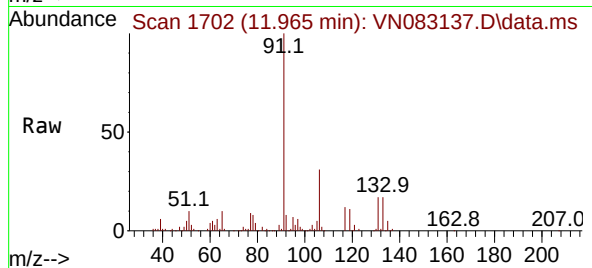
106 31.2 24.0 36.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#68

m/p-Xylenes

Concen: 40.625 ug/l

RT: 12.071 min Scan# 1720

Delta R.T. 0.000 min

Lab File: VN083137.D

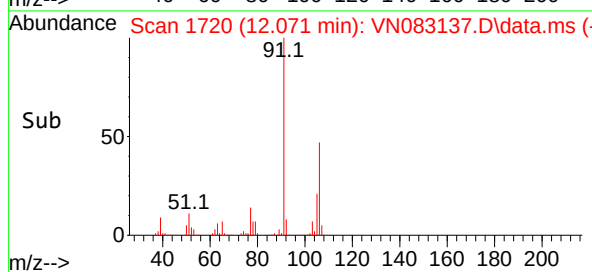
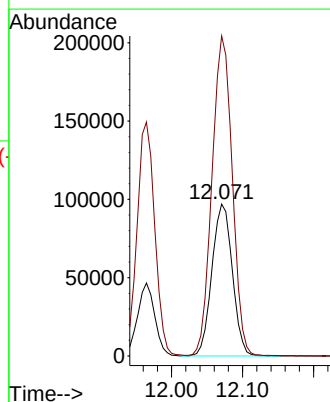
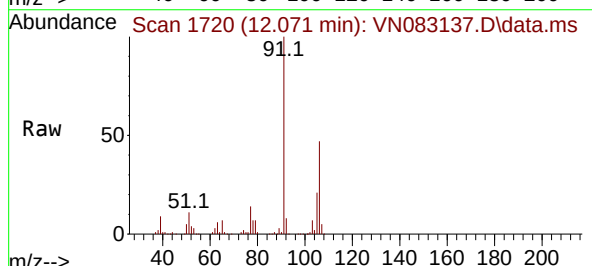
Acq: 07 Aug 2024 11:22

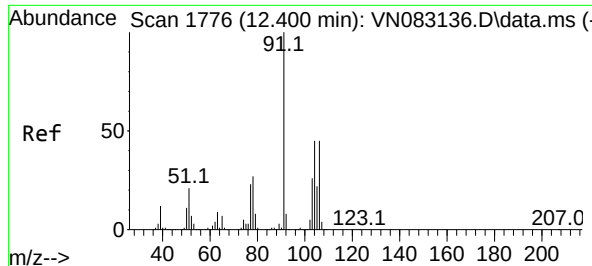
Tgt Ion:106 Resp: 193256

Ion Ratio Lower Upper

106 100

91 209.9 166.1 249.1





#69

o-Xylene

Concen: 20.281 ug/l

RT: 12.400 min Scan# 1776

Delta R.T. 0.000 min

Lab File: VN083137.D

Acq: 07 Aug 2024 11:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC020

Tgt Ion:106 Resp: 9515

Ion Ratio Lower Upper

106 100

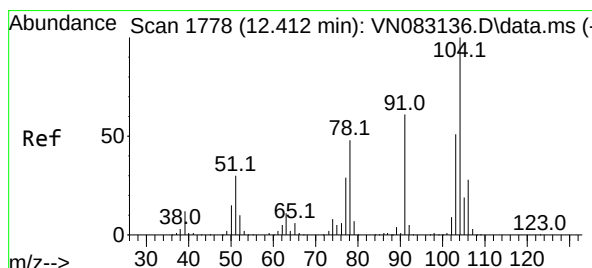
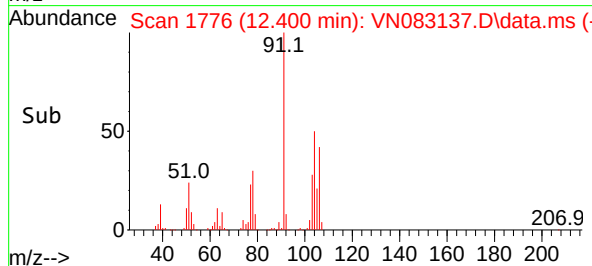
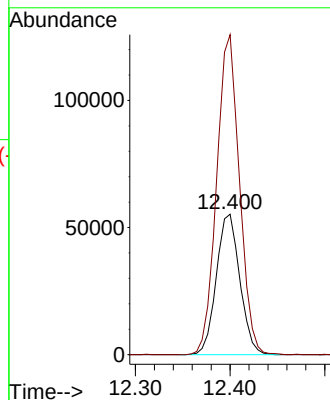
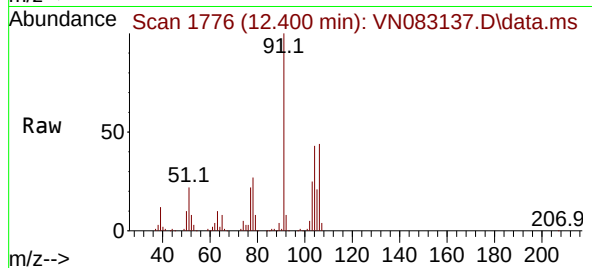
91 221.3 111.3 333.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#70

Styrene

Concen: 20.475 ug/l

RT: 12.412 min Scan# 1778

Delta R.T. 0.000 min

Lab File: VN083137.D

Acq: 07 Aug 2024 11:22

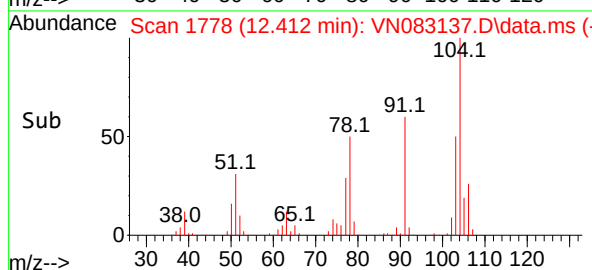
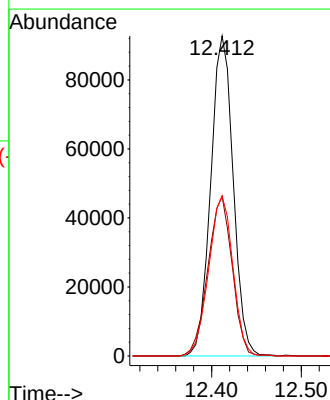
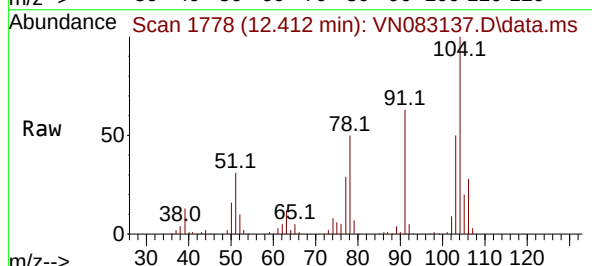
Tgt Ion:104 Resp: 161342

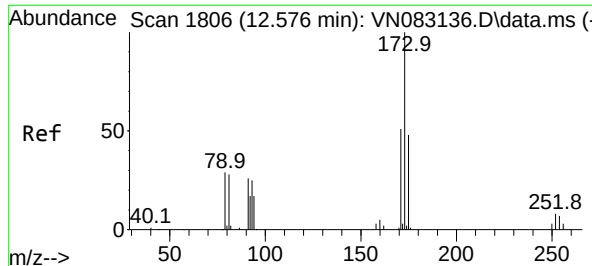
Ion Ratio Lower Upper

104 100

78 53.7 41.6 62.4

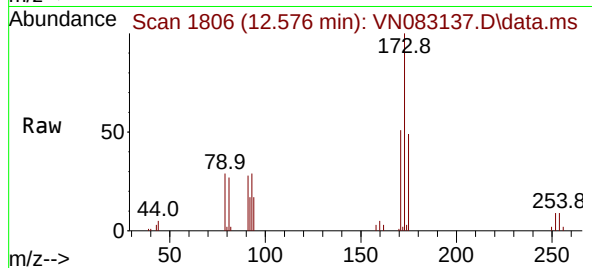
103 53.8 44.0 66.0





#71
Bromoform
Concen: 20.957 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VN083137.D
Acq: 07 Aug 2024 11:22

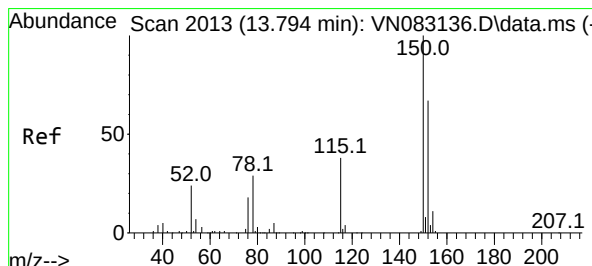
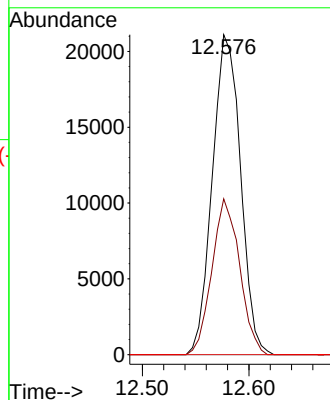
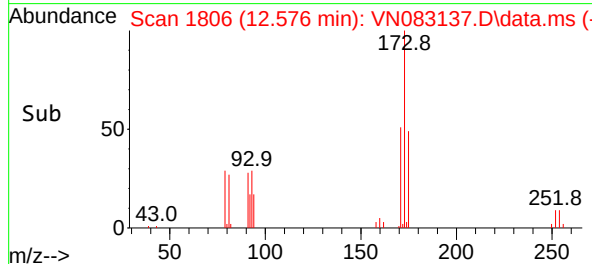
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020



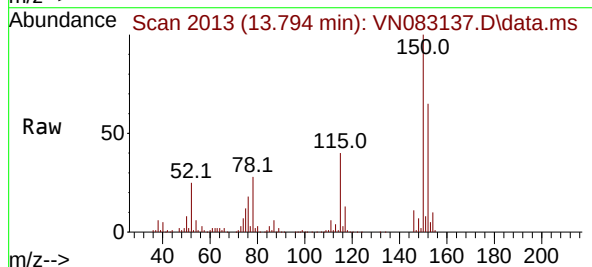
Tgt Ion:173 Resp: 3876
Ion Ratio Lower Upper
173 100
175 47.9 24.0 72.0
254 0.0 0.0 0.0

Manual Integrations
APPROVED

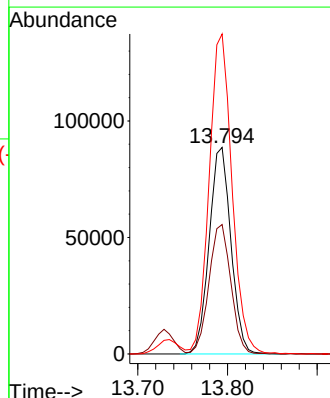
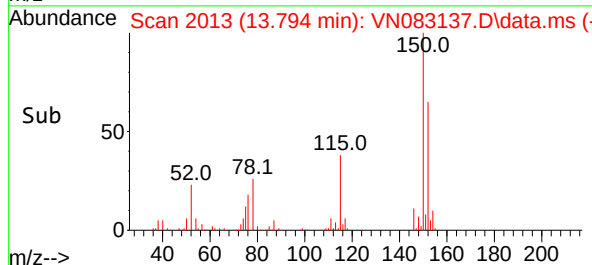
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024

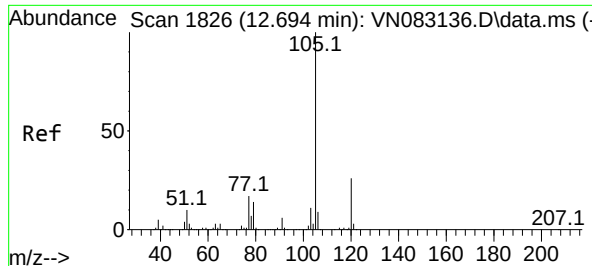


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN083137.D
Acq: 07 Aug 2024 11:22



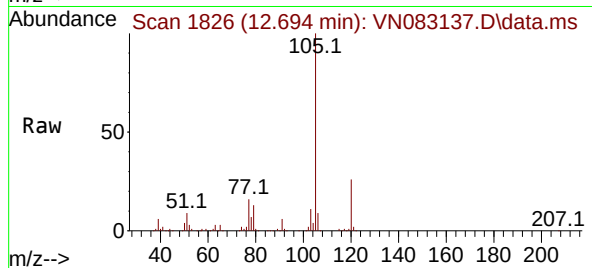
Tgt Ion:152 Resp: 149244
Ion Ratio Lower Upper
152 100
115 63.1 30.6 91.6
150 162.7 0.0 348.6





#73
Isopropylbenzene
Concen: 19.764 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN083137.D
Acq: 07 Aug 2024 11:22

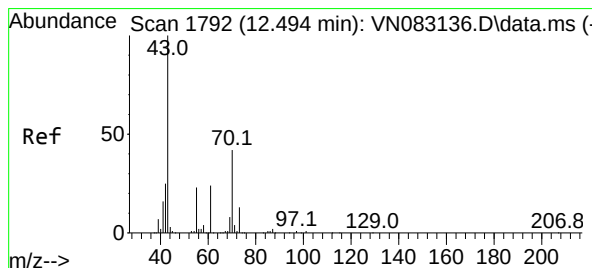
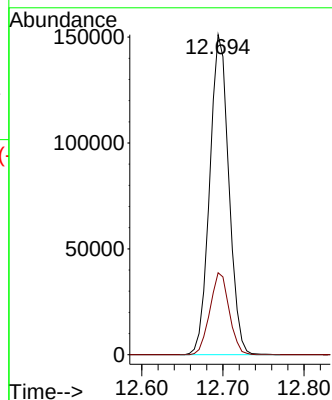
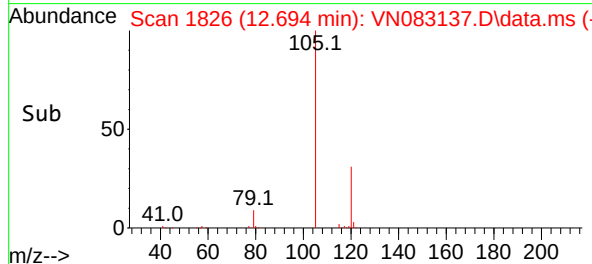
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020



Tgt Ion: 105 Resp: 24671
Ion Ratio Lower Upper
105 100
120 25.8 12.9 38.6

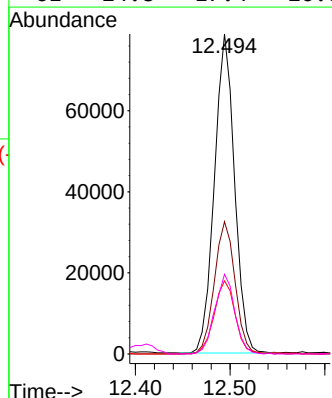
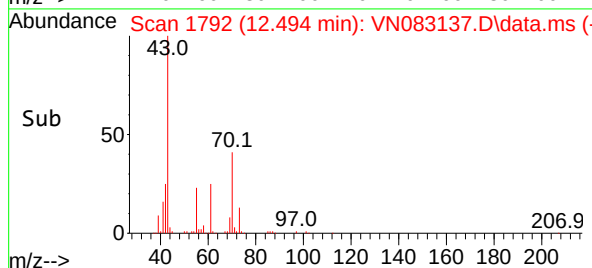
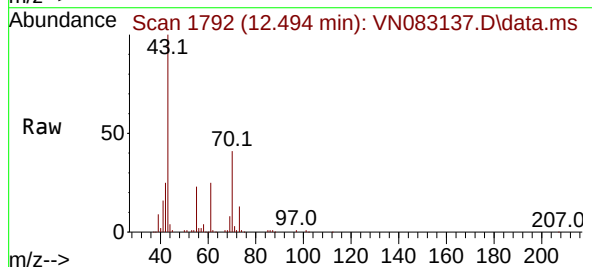
Manual Integrations
APPROVED

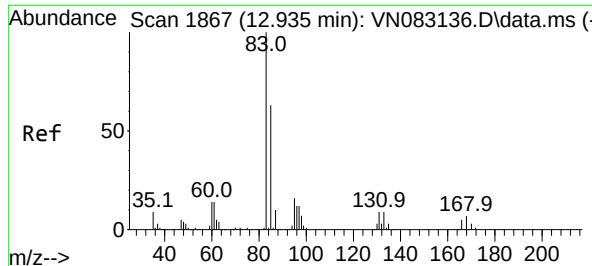
Reviewed By : John Carlone 08/08/2024
Supervised By : Mahesh Dadoda 08/09/2024



#74
N-ethyl acetate
Concen: 19.014 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VN083137.D
Acq: 07 Aug 2024 11:22

Tgt Ion: 43 Resp: 116100
Ion Ratio Lower Upper
43 100
70 42.8 29.8 44.6
55 24.0 18.7 28.1
61 24.8 17.4 26.0





#75

1,1,2-Tetrachloroethane

Concen: 19.670 ug/l

RT: 12.935 min Scan# 1867

Delta R.T. 0.000 min

Lab File: VN083137.D

Acq: 07 Aug 2024 11:22

Instrument :

MSVOA_N

ClientSampleId :

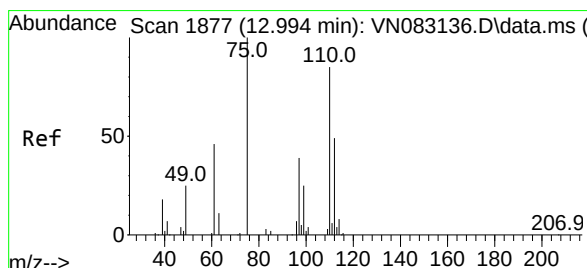
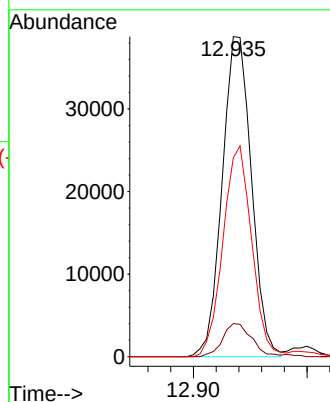
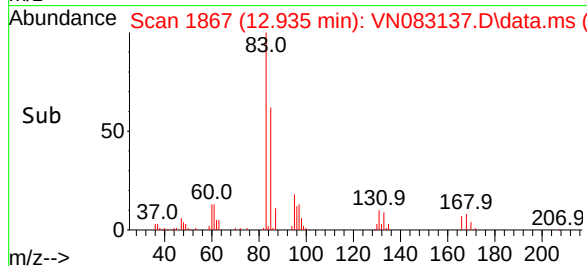
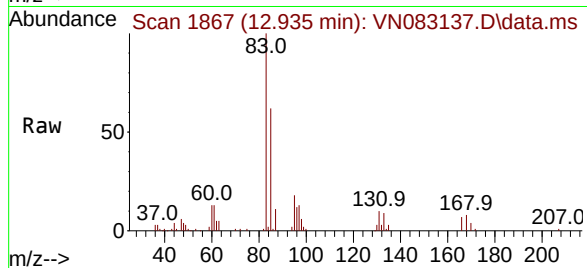
VSTDICC020

Tgt Ion:	83	Resp:	69449
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.0	14.9
85	64.6	31.9	95.7

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#76

1,2,3-Trichloropropane

Concen: 19.901 ug/l m

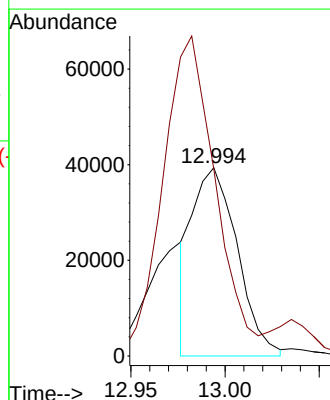
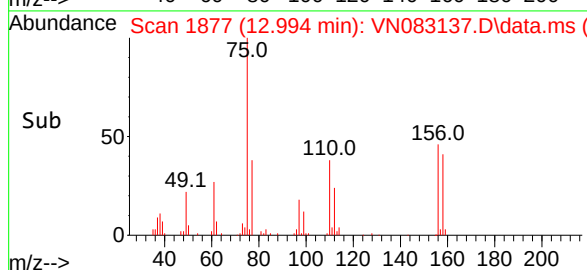
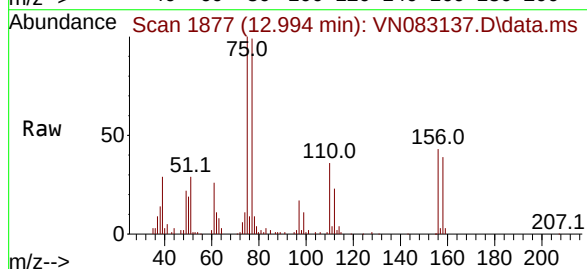
RT: 12.994 min Scan# 1877

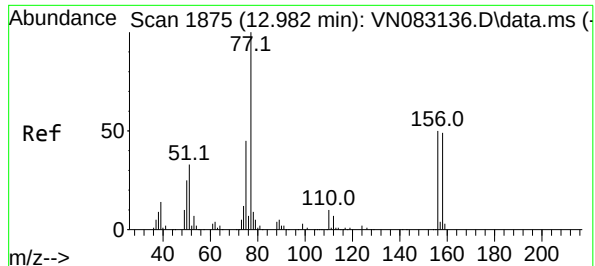
Delta R.T. 0.000 min

Lab File: VN083137.D

Acq: 07 Aug 2024 11:22

Tgt Ion:	75	Resp:	65295
Ion Ratio	Lower	Upper	
75	100		
77	199.0	110.9	332.6





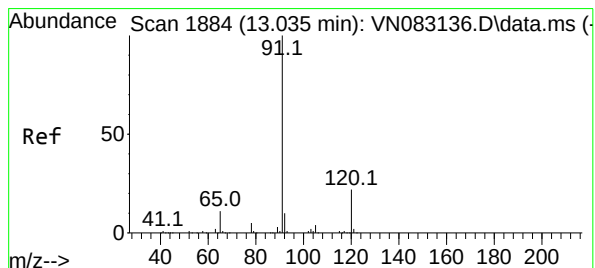
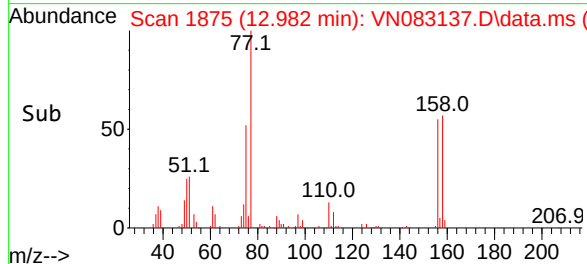
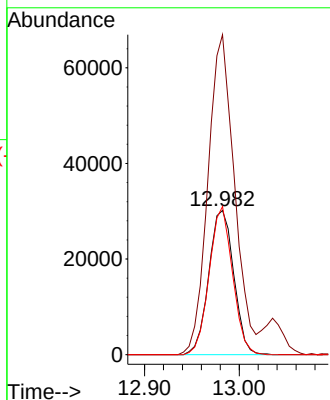
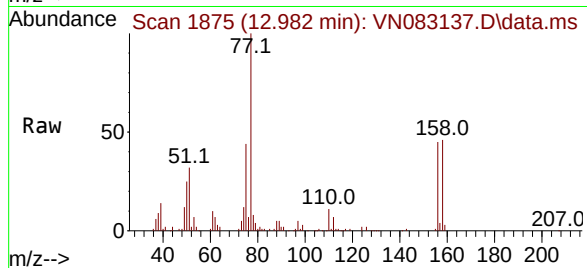
#77
Bromobenzene
Concen: 19.952 ug/l
RT: 12.982 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VN083137.D
Acq: 07 Aug 2024 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:156 Resp: 5532
Ion Ratio Lower Upper
156 100
77 234.8 111.3 333.8
158 95.8 48.3 144.9

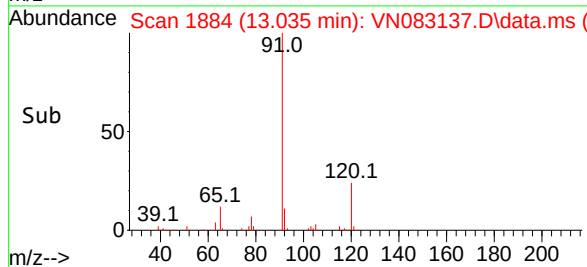
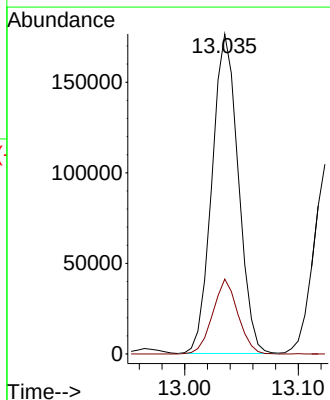
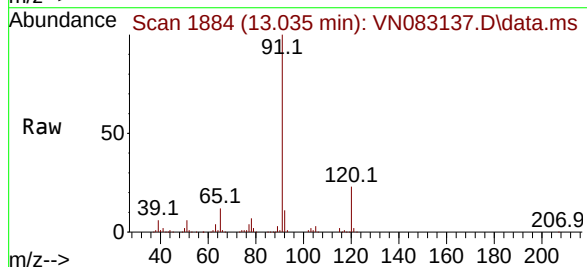
Manual Integrations
APPROVED

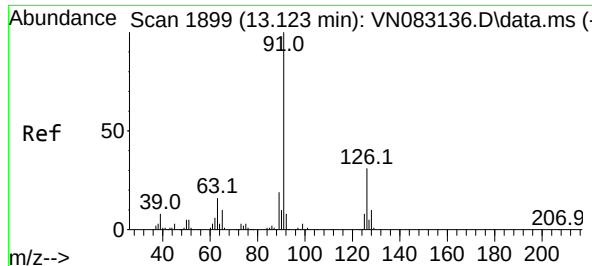
Reviewed By :John Carbone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#78
n-propylbenzene
Concen: 19.740 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN083137.D
Acq: 07 Aug 2024 11:22

Tgt Ion: 91 Resp: 283745
Ion Ratio Lower Upper
91 100
120 22.4 10.9 32.9





#79

2-Chlorotoluene

Concen: 19.827 ug/l

RT: 13.123 min Scan# 1899

Delta R.T. 0.000 min

Lab File: VN083137.D

Acq: 07 Aug 2024 11:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC020

Tgt Ion: 91 Resp: 18068

Ion Ratio Lower Upper

91 100

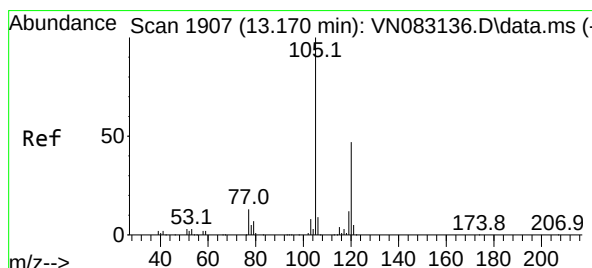
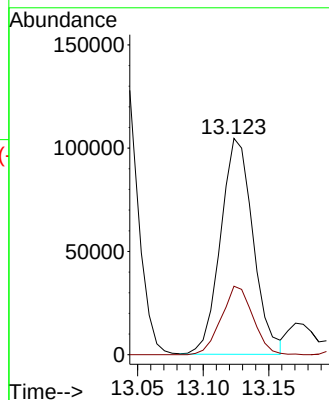
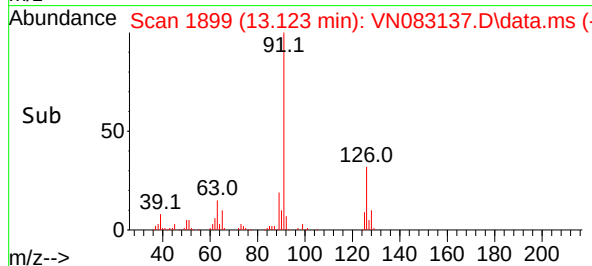
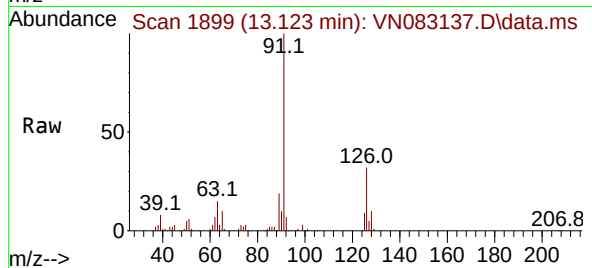
126 30.7 16.2 48.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#80

1,3,5-Trimethylbenzene

Concen: 19.938 ug/l

RT: 13.170 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VN083137.D

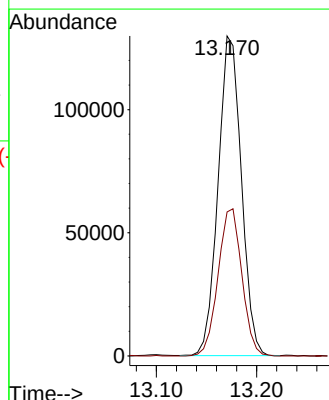
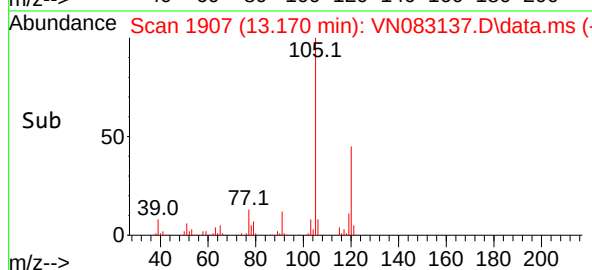
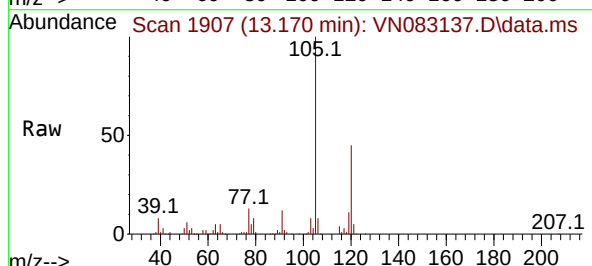
Acq: 07 Aug 2024 11:22

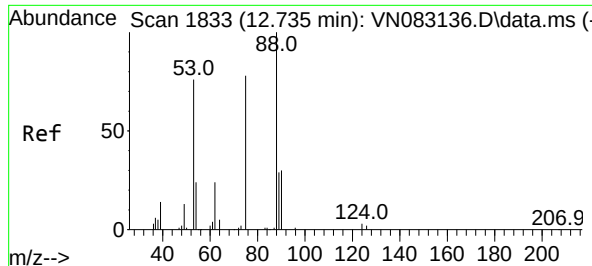
Tgt Ion:105 Resp: 208367

Ion Ratio Lower Upper

105 100

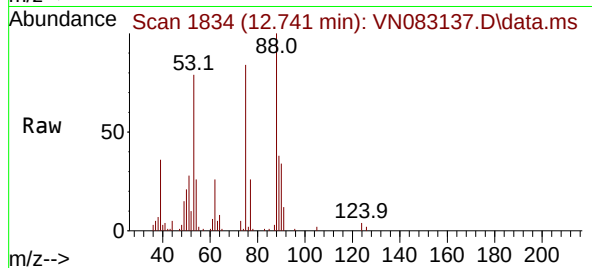
120 47.2 24.3 72.8





#81
trans-1,4-Dichloro-2-butene
Concen: 20.759 ug/l
RT: 12.741 min Scan# 1833
Delta R.T. 0.006 min
Lab File: VN083137.D
Acq: 07 Aug 2024 11:22

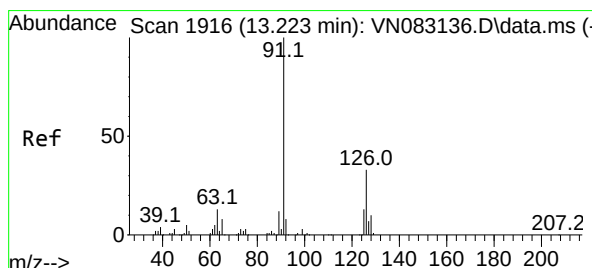
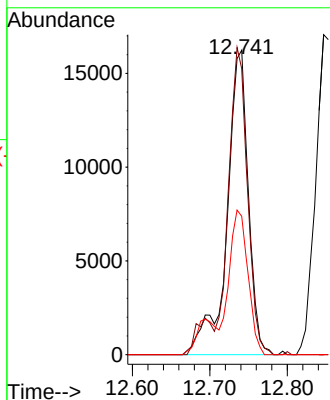
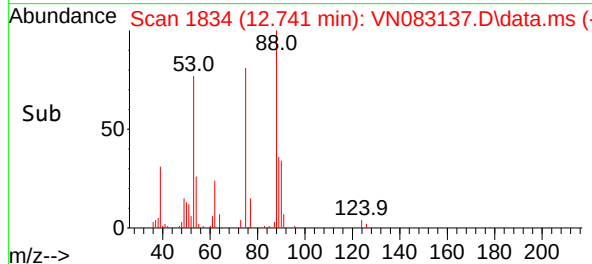
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020



Tgt Ion: 75 Resp: 31260
Ion Ratio Lower Upper
75 100
53 88.0 88.4 132.6
89 41.4 36.3 54.5

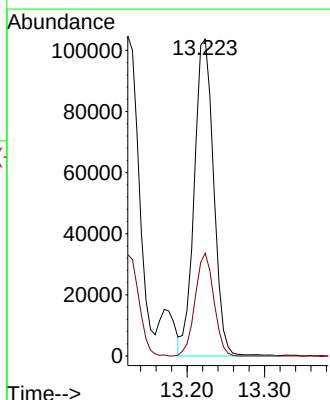
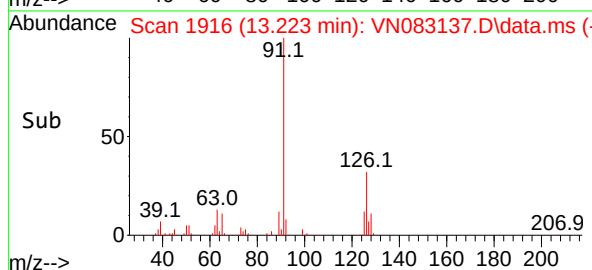
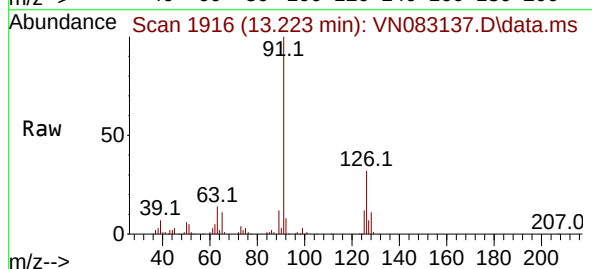
Manual Integrations
APPROVED

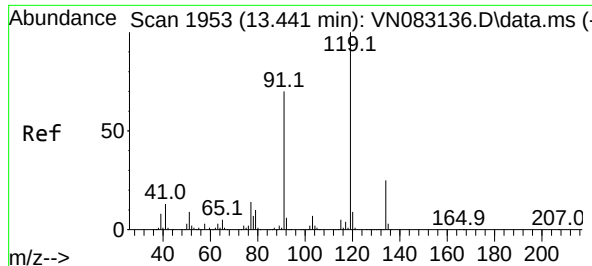
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#82
4-Chlorotoluene
Concen: 19.684 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. 0.000 min
Lab File: VN083137.D
Acq: 07 Aug 2024 11:22

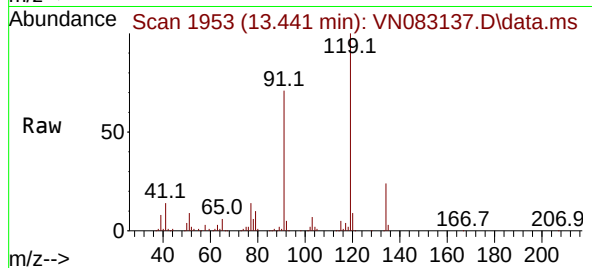
Tgt Ion: 91 Resp: 179932
Ion Ratio Lower Upper
91 100
126 31.3 16.2 48.6





#83
tert-Butylbenzene
Concen: 19.985 ug/l
RT: 13.441 min Scan# 1953
Delta R.T. 0.000 min
Lab File: VN083137.D
Acq: 07 Aug 2024 11:22

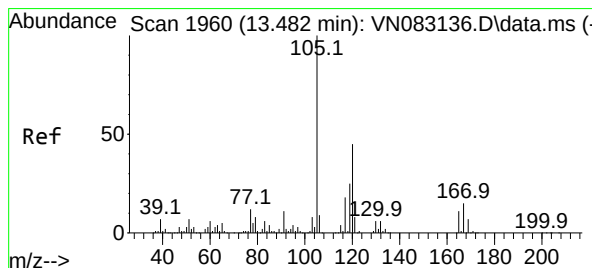
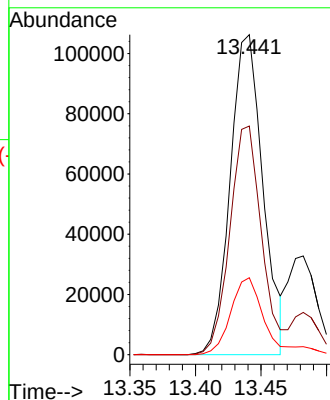
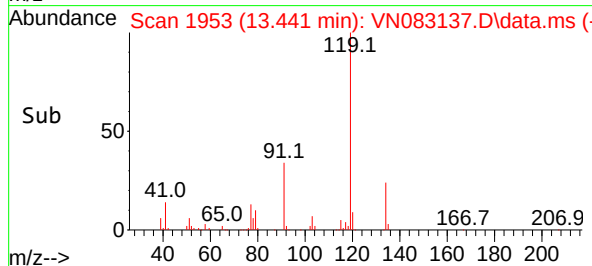
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020



Tgt Ion:119 Resp: 18496
Ion Ratio Lower Upper
119 100
91 70.2 35.0 105.1
134 25.2 13.3 39.8

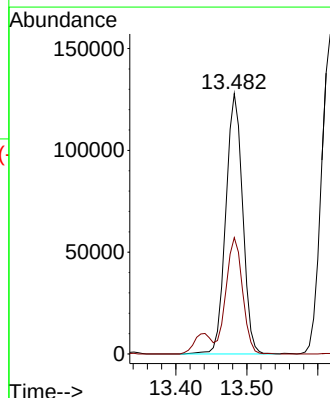
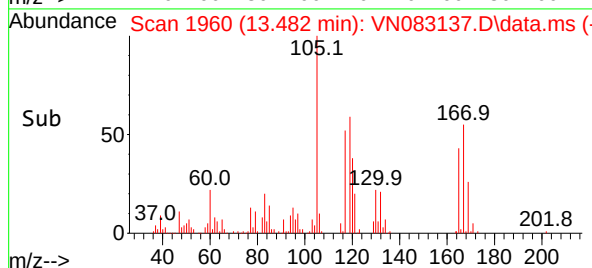
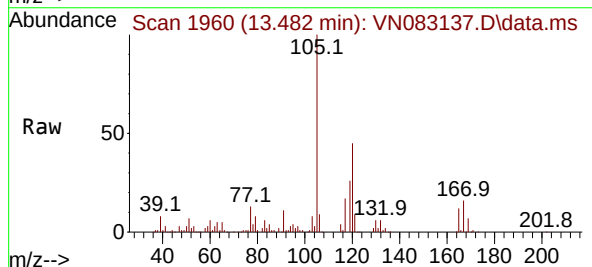
Manual Integrations
APPROVED

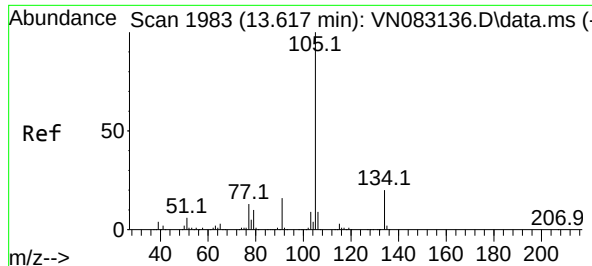
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#84
1,2,4-Trimethylbenzene
Concen: 19.984 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN083137.D
Acq: 07 Aug 2024 11:22

Tgt Ion:105 Resp: 210474
Ion Ratio Lower Upper
105 100
120 44.0 21.9 65.8





#85

sec-Butylbenzene

Concen: 19.862 ug/l

RT: 13.618 min Scan# 1983

Delta R.T. 0.000 min

Lab File: VN083137.D

Acq: 07 Aug 2024 11:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC020

Tgt Ion:105 Resp: 250829

Ion Ratio Lower Upper

105 100

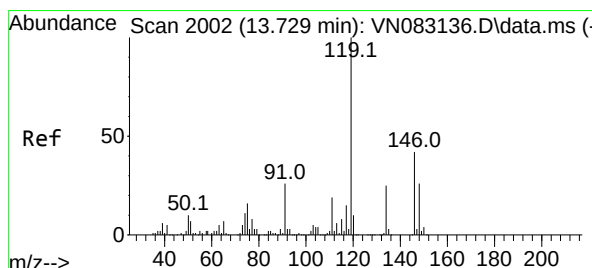
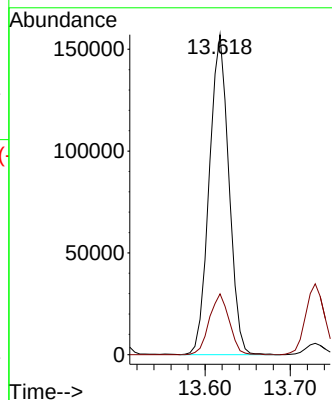
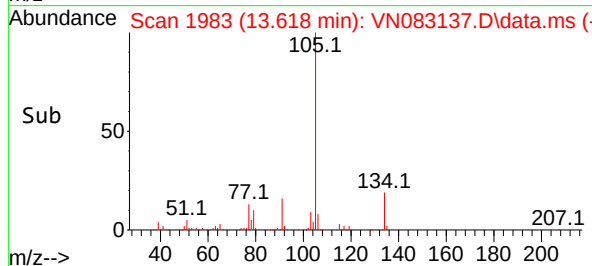
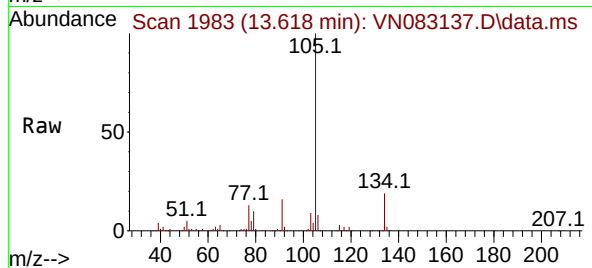
134 19.3 9.8 29.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#86

p-Isopropyltoluene

Concen: 19.986 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. 0.000 min

Lab File: VN083137.D

Acq: 07 Aug 2024 11:22

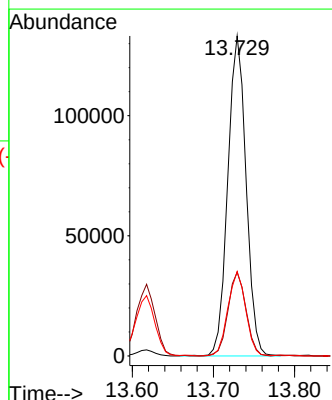
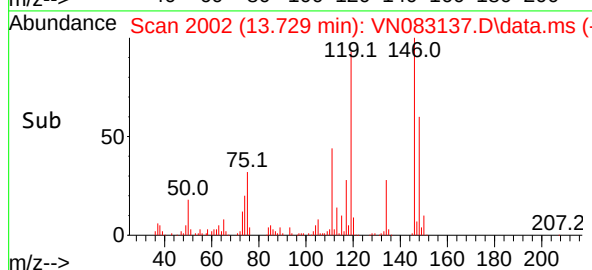
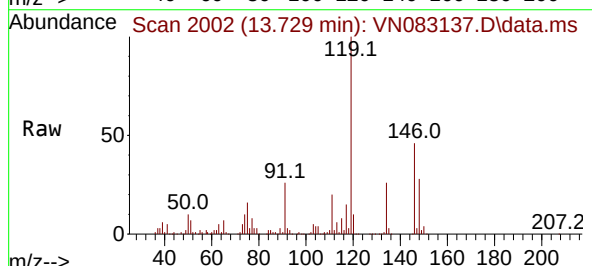
Tgt Ion:119 Resp: 208404

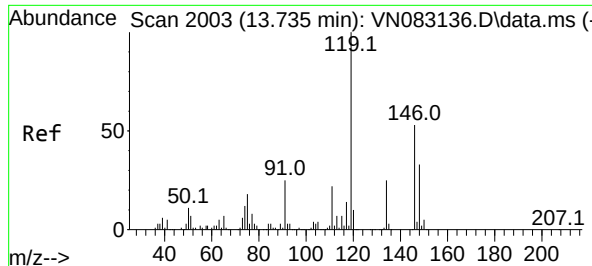
Ion Ratio Lower Upper

119 100

134 25.7 13.0 39.0

91 25.8 12.3 36.9





#87

1,3-Dichlorobenzene

Concen: 19.897 ug/l

RT: 13.735 min Scan# 2003

Delta R.T. 0.000 min

Lab File: VN083137.D

Acq: 07 Aug 2024 11:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC020

Tgt Ion:146 Resp: 103819

Ion Ratio Lower Upper

146 100

111 43.7 20.6 61.9

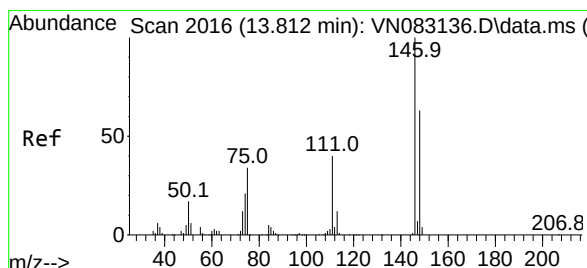
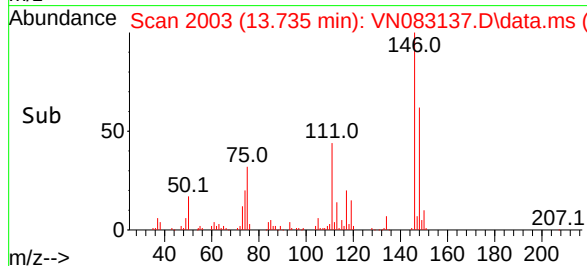
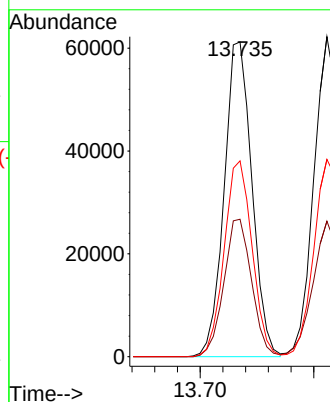
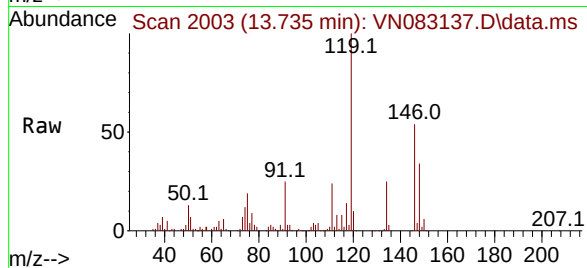
148 62.7 31.8 95.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#88

1,4-Dichlorobenzene

Concen: 19.605 ug/l

RT: 13.812 min Scan# 2016

Delta R.T. 0.000 min

Lab File: VN083137.D

Acq: 07 Aug 2024 11:22

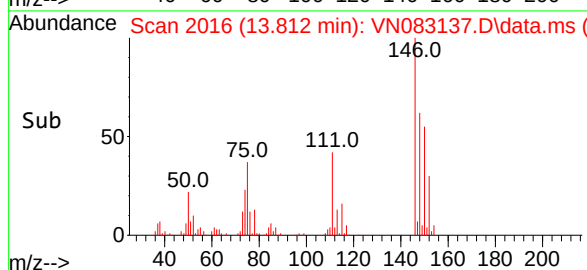
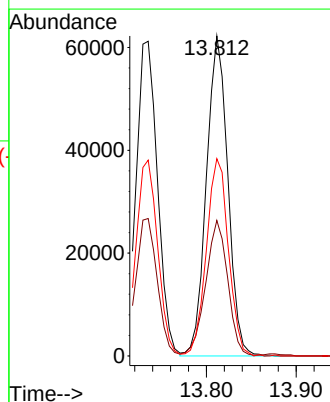
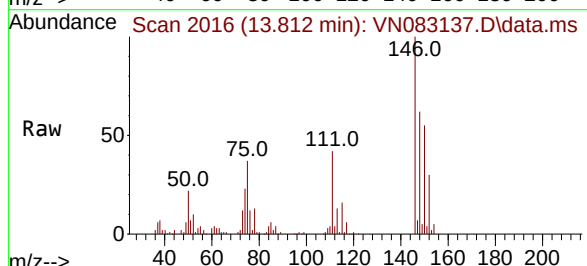
Tgt Ion:146 Resp: 103132

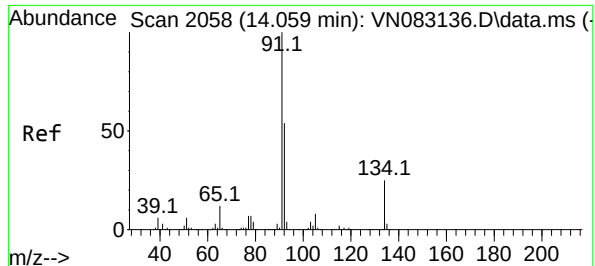
Ion Ratio Lower Upper

146 100

111 43.2 20.1 60.3

148 63.5 32.2 96.6





#89

n-Butylbenzene

Concen: 19.975 ug/l

RT: 14.053 min Scan# 2058

Delta R.T. -0.006 min

Lab File: VN083137.D

Acq: 07 Aug 2024 11:22

Instrument :

MSVOA_N

ClientSampleId :

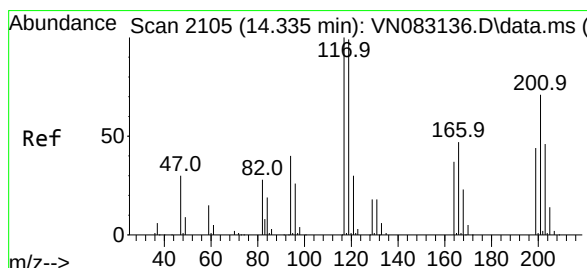
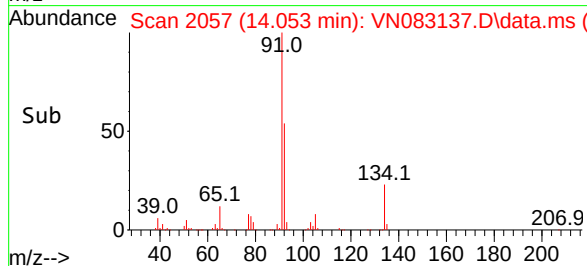
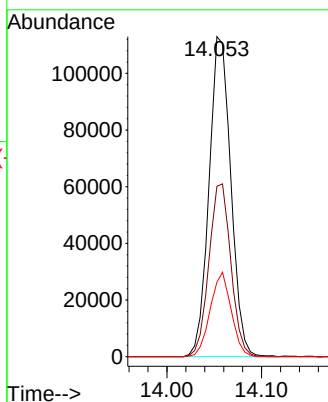
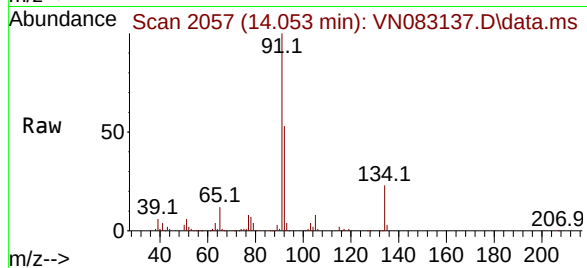
VSTDICC020

Tgt Ion:	91	Resp:	18048
Ion Ratio	Lower	Upper	
91	100		
92	54.3	26.1	78.3
134	25.4	12.1	36.3

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#90

Hexachloroethane

Concen: 20.343 ug/l

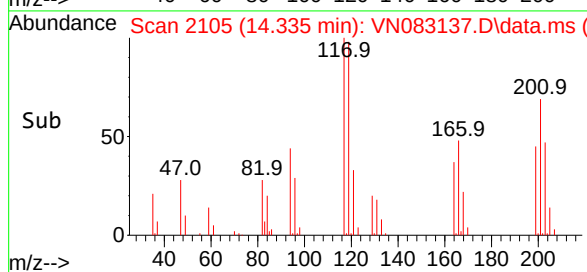
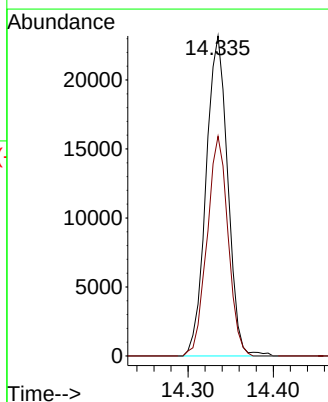
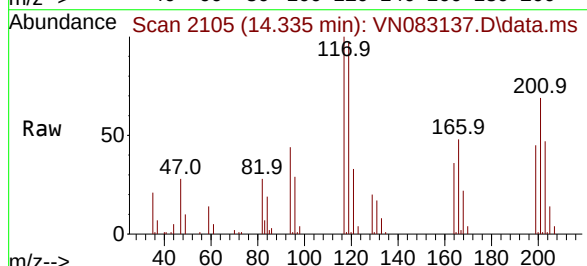
RT: 14.335 min Scan# 2105

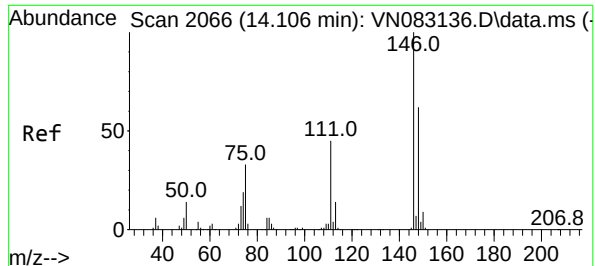
Delta R.T. 0.000 min

Lab File: VN083137.D

Acq: 07 Aug 2024 11:22

Tgt Ion:	117	Resp:	40982
Ion Ratio	Lower	Upper	
117	100		
201	66.5	35.8	107.3





#91

1,2-Dichlorobenzene

Concen: 19.673 ug/l

RT: 14.106 min Scan# 2066

Delta R.T. 0.000 min

Lab File: VN083137.D

Acq: 07 Aug 2024 11:22

Instrument :

MSVOA_N

ClientSampleId :

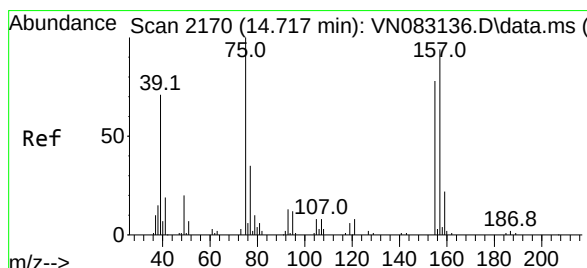
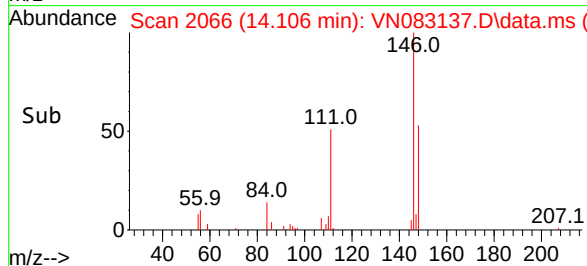
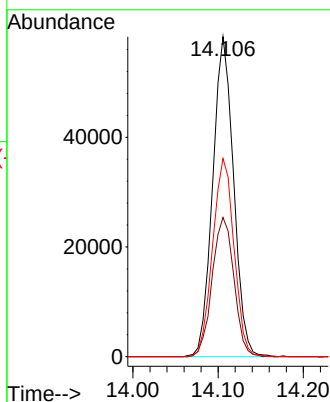
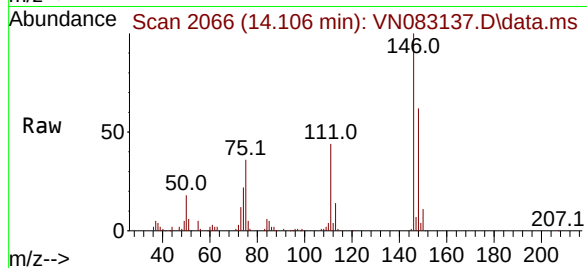
VSTDIC020

Tgt Ion:	146	Resp:	99334
Ion	Ratio	Lower	Upper
146	100		
111	45.3	21.4	64.2
148	63.5	32.1	96.5

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.320 ug/l

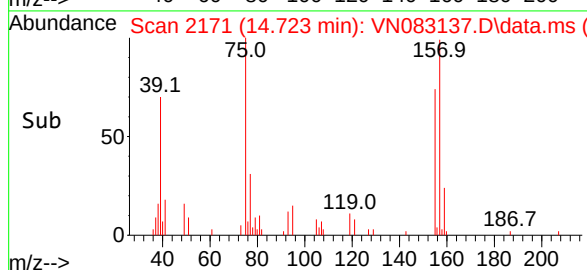
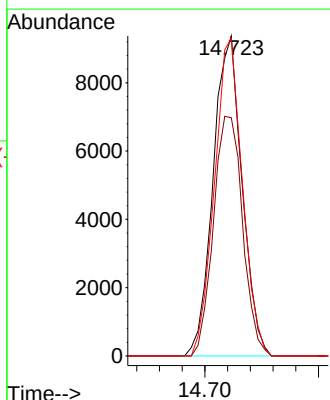
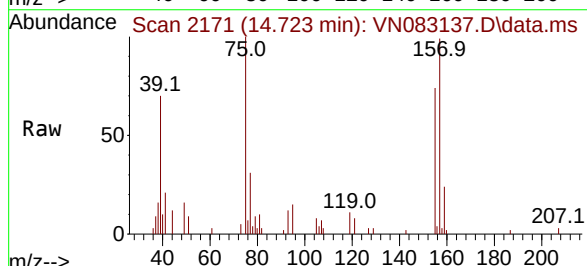
RT: 14.723 min Scan# 2171

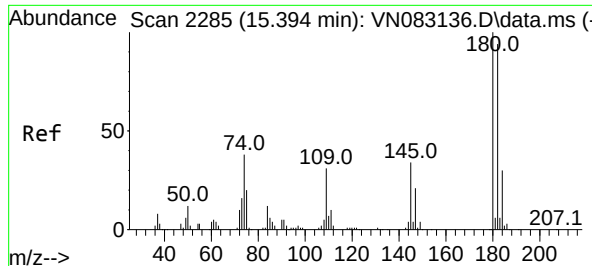
Delta R.T. 0.006 min

Lab File: VN083137.D

Acq: 07 Aug 2024 11:22

Tgt Ion:	75	Resp:	16552
Ion	Ratio	Lower	Upper
75	100		
155	75.5	36.6	109.8
157	95.6	46.9	140.6





#93

1,2,4-Trichlorobenzene

Concen: 19.902 ug/l

RT: 15.394 min Scan# 2285

Delta R.T. 0.000 min

Lab File: VN083137.D

Acq: 07 Aug 2024 11:22

Instrument :

MSVOA_N

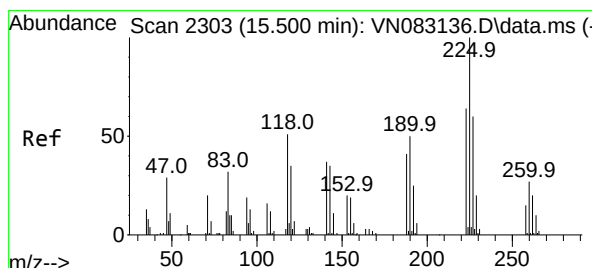
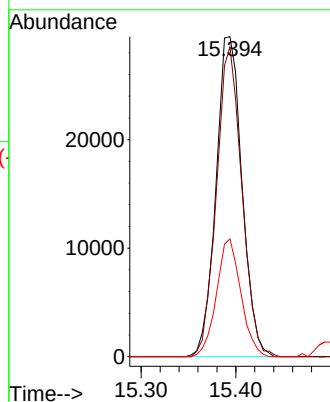
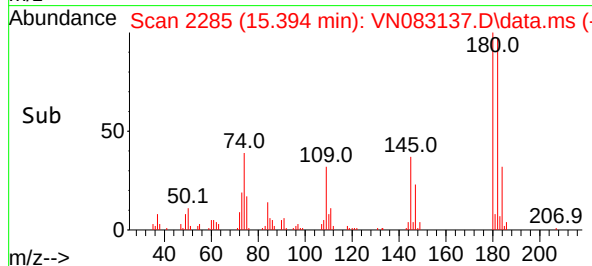
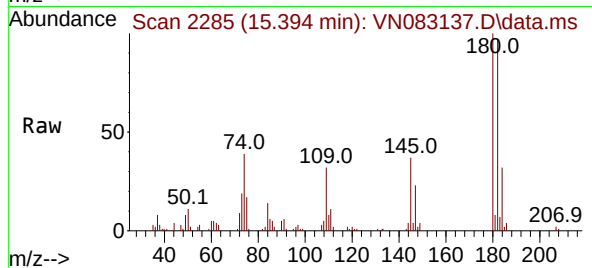
ClientSampleId :

VSTDICC020

Tgt Ion:	180	Resp:	56295
Ion Ratio	Lower	Upper	
180	100		
182	94.3	47.3	141.8
145	34.5	15.7	47.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#94

Hexachlorobutadiene

Concen: 18.859 ug/l

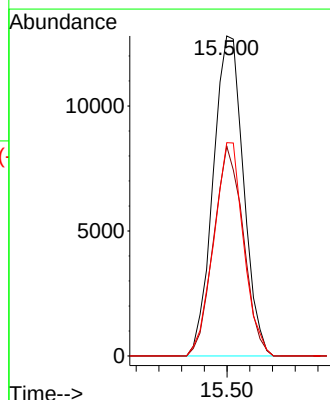
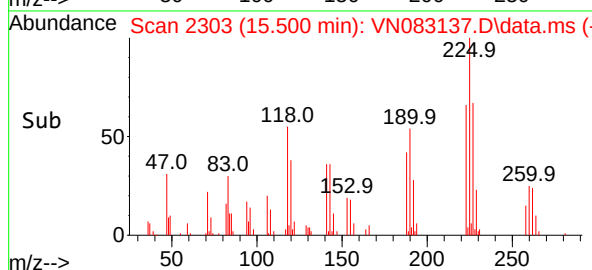
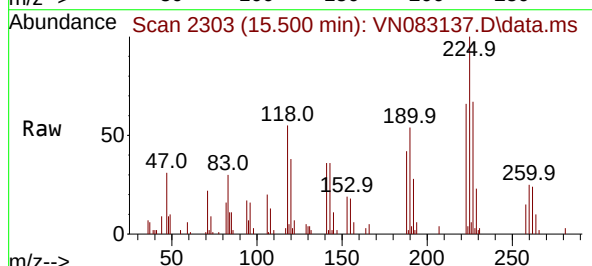
RT: 15.500 min Scan# 2303

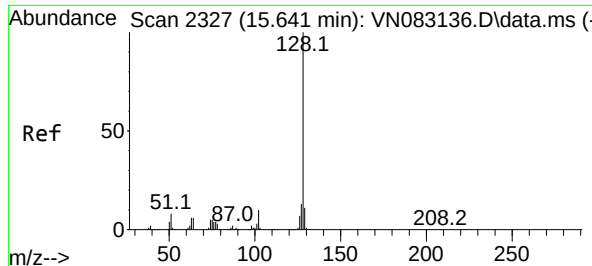
Delta R.T. 0.000 min

Lab File: VN083137.D

Acq: 07 Aug 2024 11:22

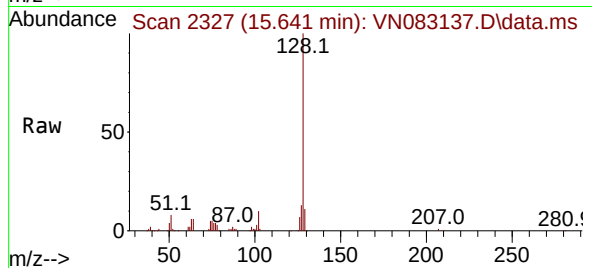
Tgt Ion:	225	Resp:	23725
Ion Ratio	Lower	Upper	
225	100		
223	64.3	31.9	95.7
227	65.7	32.5	97.5





#95
Naphthalene
Concen: 20.047 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.000 min
Lab File: VN083137.D
Acq: 07 Aug 2024 11:22

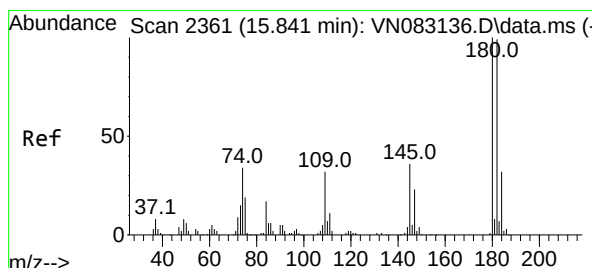
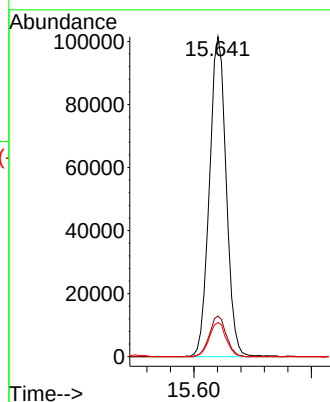
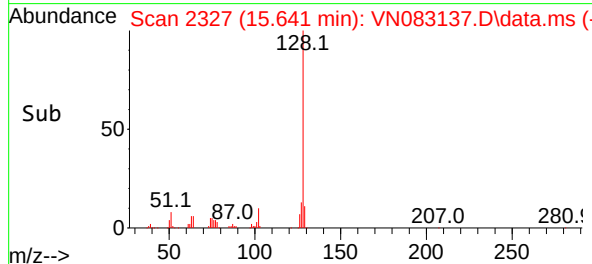
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020



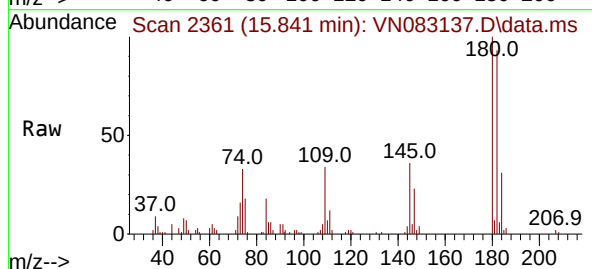
Tgt Ion:128 Resp: 200879
Ion Ratio Lower Upper
128 100
127 12.8 10.6 16.0
129 10.8 8.6 12.8

Manual Integrations
APPROVED

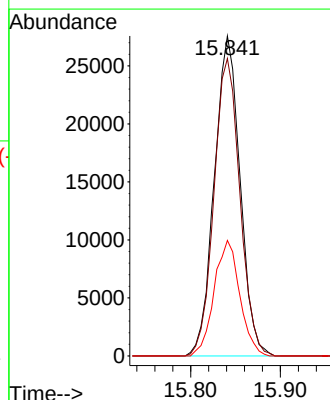
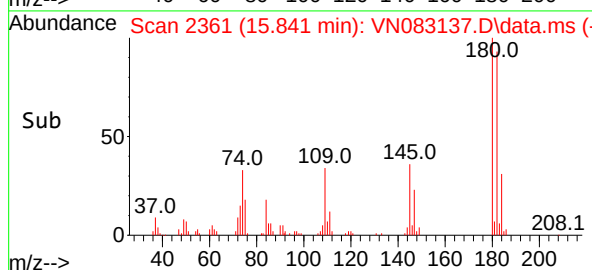
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#96
1,2,3-Trichlorobenzene
Concen: 19.630 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.000 min
Lab File: VN083137.D
Acq: 07 Aug 2024 11:22



Tgt Ion:180 Resp: 54944
Ion Ratio Lower Upper
180 100
182 93.5 48.9 146.8
145 35.9 16.8 50.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080724\
 Data File : VN083138.D
 Acq On : 07 Aug 2024 11:46
 Operator : JC\MD
 Sample : VSTDICC010
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC010

Quant Time: Aug 08 06:17:39 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 08 05:50:26 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 08/08/2024
 Supervised By : Mahesh Dadoda 08/09/2024

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	191754	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	332105	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	279409	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	125725	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.582	65	27223	9.974	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	19.940%#
35) Dibromofluoromethane	8.165	113	20382	9.832	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	19.660%#
50) Toluene-d8	10.565	98	75261	9.733	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	19.460%#
62) 4-Bromofluorobenzene	12.853	95	28691	9.517	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	=	19.040%#

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.124	85	22206	10.212	ug/l	99
3) Chloromethane	2.359	50	22596	10.150	ug/l	92
4) Vinyl Chloride	2.512	62	23461	10.328	ug/l	99
5) Bromomethane	2.959	94	14783	10.488	ug/l	95
6) Chloroethane	3.118	64	13616	9.581	ug/l	95
7) Trichlorofluoromethane	3.500	101	38868	10.357	ug/l	97
8) Diethyl Ether	3.965	74	14761	10.571	ug/l	86
9) 1,1,2-Trichlorotrifluo...	4.365	101	21081	10.189	ug/l	100
10) Methyl Iodide	4.589	142	27229	10.005	ug/l	96
11) Tert butyl alcohol	5.530	59	29665	52.299	ug/l	97
12) 1,1-Dichloroethene	4.336	96	21633	10.177	ug/l	83
13) Acrolein	4.177	56	19397	52.469	ug/l	92
14) Allyl chloride	5.024	41	41546	10.343	ug/l	89
15) Acrylonitrile	5.724	53	58618	50.248	ug/l	99
16) Acetone	4.430	43	54397	50.933	ug/l	92
17) Carbon Disulfide	4.712	76	61323	9.860	ug/l	97
18) Methyl Acetate	5.036	43	32282	10.145	ug/l	95
19) Methyl tert-butyl Ether	5.794	73	77278	10.072	ug/l	94
20) Methylene Chloride	5.277	84	23553	9.582	ug/l #	83
21) trans-1,2-Dichloroethene	5.788	96	22473	10.229	ug/l	93
22) Diisopropyl ether	6.671	45	77046	10.204	ug/l	91
23) Vinyl Acetate	6.606	43	391151	50.550	ug/l #	94
24) 1,1-Dichloroethane	6.571	63	42035	10.213	ug/l	100
25) 2-Butanone	7.488	43	82451	50.278	ug/l #	90
26) 2,2-Dichloropropane	7.488	77	39561	10.351	ug/l	99
27) cis-1,2-Dichloroethene	7.488	96	26902	10.148	ug/l	93
28) Bromochloromethane	7.818	49	14997	8.916	ug/l	85
29) Tetrahydrofuran	7.841	42	54815	51.708	ug/l	88
30) Chloroform	7.971	83	43421	10.155	ug/l	98
31) Cyclohexane	8.259	56	42564	10.523	ug/l	92
32) 1,1,1-Trichloroethane	8.171	97	41247	10.191	ug/l	92
36) 1,1-Dichloropropene	8.371	75	31681	10.103	ug/l	99
37) Ethyl Acetate	7.565	43	34005	9.685	ug/l #	96
38) Carbon Tetrachloride	8.365	117	35950	10.179	ug/l	93
39) Methylcyclohexane	9.600	83	38738	10.058	ug/l	93
40) Benzene	8.606	78	94885	10.157	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080724\
 Data File : VN083138.D
 Acq On : 07 Aug 2024 11:46
 Operator : JC\MD
 Sample : VSTDICC010
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC010

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024

Quant Time: Aug 08 06:17:39 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M

Quant Title : SW846 8260

QLast Update : Thu Aug 08 05:50:26 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	18392	9.213	ug/l	93
42) 1,2-Dichloroethane	8.671	62	34826	10.234	ug/l	97
43) Isopropyl Acetate	8.694	43	71420	10.170	ug/l	98
44) Trichloroethene	9.353	130	22669	10.195	ug/l	100
45) 1,2-Dichloropropane	9.624	63	22642	10.211	ug/l	98
46) Dibromomethane	9.706	93	15937	10.041	ug/l	97
47) Bromodichloromethane	9.888	83	35389	9.930	ug/l	97
48) Methyl methacrylate	9.682	41	28711	9.891	ug/l	93
49) 1,4-Dioxane	9.694	88	10545	201.364	ug/l	95
51) 4-Methyl-2-Pentanone	10.447	43	171277	51.587	ug/l	94
52) Toluene	10.629	92	59784	10.129	ug/l	97
53) t-1,3-Dichloropropene	10.835	75	36670	10.017	ug/l	100
54) cis-1,3-Dichloropropene	10.312	75	39503	10.145	ug/l	91
55) 1,1,2-Trichloroethane	11.018	97	21732	10.274	ug/l	94
56) Ethyl methacrylate	10.871	69	40676	10.201	ug/l #	86
57) 1,3-Dichloropropane	11.165	76	38200	10.132	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	87140	51.698	ug/l	96
59) 2-Hexanone	11.194	43	129231	50.312	ug/l	93
60) Dibromochloromethane	11.359	129	25798	10.088	ug/l	99
61) 1,2-Dibromoethane	11.470	107	22707	10.219	ug/l	99
64) Tetrachloroethene	11.106	164	19174	10.362	ug/l	92
65) Chlorobenzene	11.894	112	64445	10.437	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.965	131	22498	10.331	ug/l	99
67) Ethyl Benzene	11.965	91	115664	10.211	ug/l	99
68) m/p-Xylenes	12.070	106	87775	20.687	ug/l	100
69) o-Xylene	12.400	106	43216	10.327	ug/l	97
70) Styrene	12.412	104	72641	10.335	ug/l	97
71) Bromoform	12.582	173	16320	9.893	ug/l #	95
73) Isopropylbenzene	12.694	105	110277	10.487	ug/l	99
74) N-amyl acetate	12.494	43	52998	10.303	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.941	83	30438	10.234	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	28359m	10.261	ug/l	
77) Bromobenzene	12.982	156	23781	10.180	ug/l	93
78) n-propylbenzene	13.035	91	125678	10.379	ug/l	99
79) 2-Chlorotoluene	13.123	91	80065	10.429	ug/l	96
80) 1,3,5-Trimethylbenzene	13.176	105	91559	10.400	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	11760	9.271	ug/l	95
82) 4-Chlorotoluene	13.223	91	78348	10.174	ug/l	97
83) tert-Butylbenzene	13.441	119	80263	10.294	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	92502	10.426	ug/l	97
85) sec-Butylbenzene	13.617	105	108740	10.221	ug/l	98
86) p-Isopropyltoluene	13.729	119	88256	10.047	ug/l	97
87) 1,3-Dichlorobenzene	13.735	146	44168	10.048	ug/l	97
88) 1,4-Dichlorobenzene	13.811	146	44036	9.937	ug/l	96
89) n-Butylbenzene	14.059	91	76567	10.060	ug/l	99
90) Hexachloroethane	14.335	117	17798	10.487	ug/l	93
91) 1,2-Dichlorobenzene	14.106	146	43734	10.282	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	7258	10.056	ug/l	98
93) 1,2,4-Trichlorobenzene	15.394	180	23580	9.895	ug/l	98
94) Hexachlorobutadiene	15.500	225	10788	10.179	ug/l	99
95) Naphthalene	15.641	128	86373	10.232	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	24492	10.387	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080724\
Data File : VN083138.D
Acq On : 07 Aug 2024 11:46
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024

Quant Time: Aug 08 06:17:39 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 08 05:50:26 2024
Response via : Initial Calibration

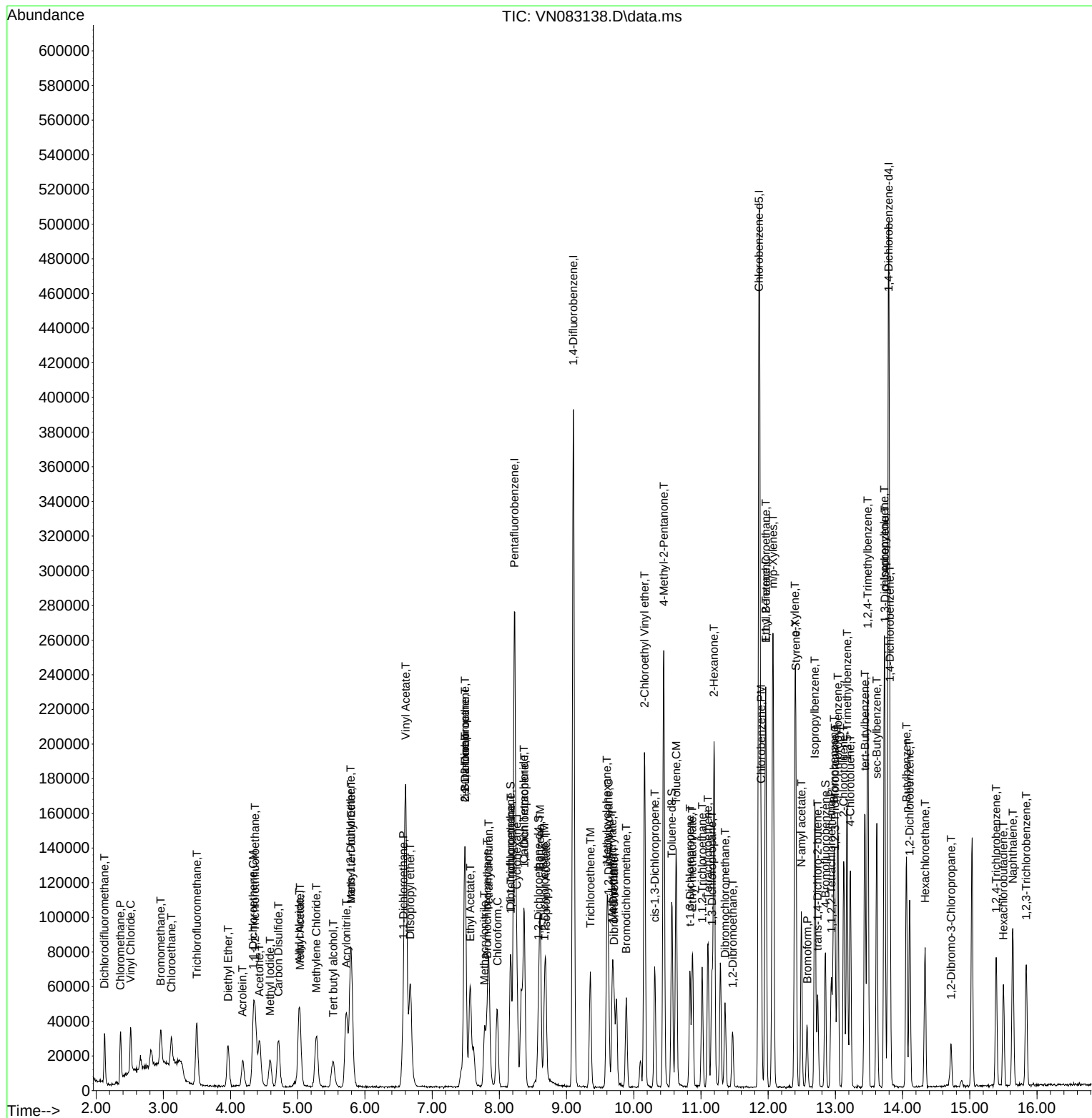
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

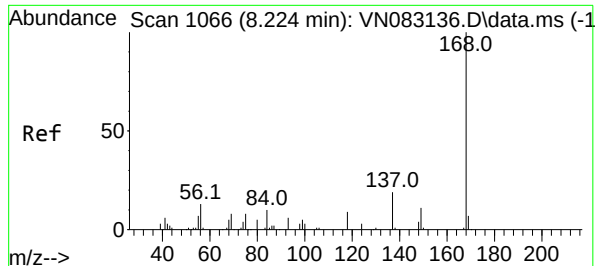
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Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

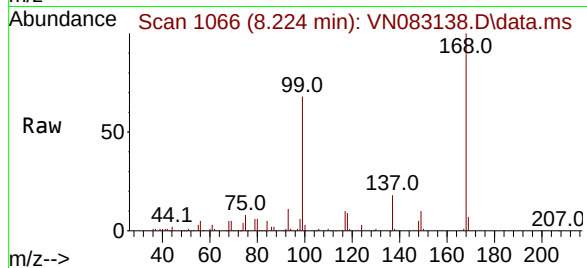
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083138.D
Acq: 07 Aug 2024 11:46

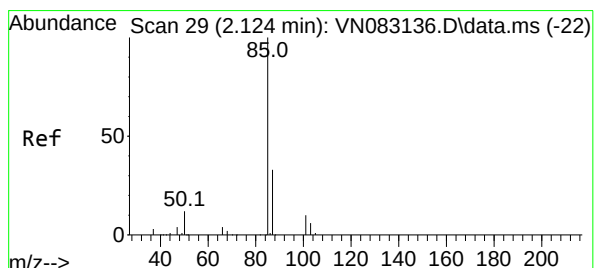
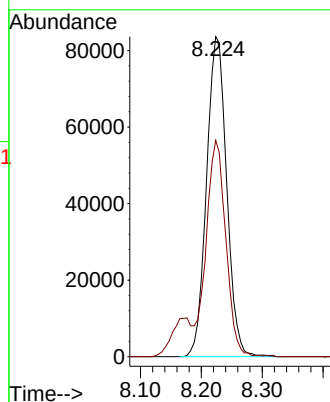
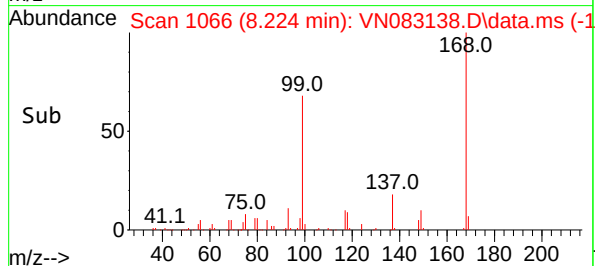
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010



Tgt Ion:168 Resp: 191754
Ion Ratio Lower Upper
168 100
99 67.6 48.2 72.4

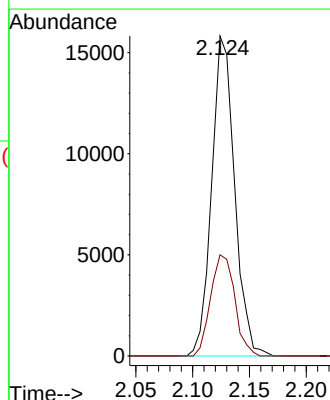
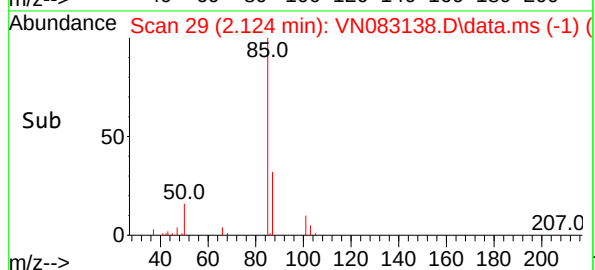
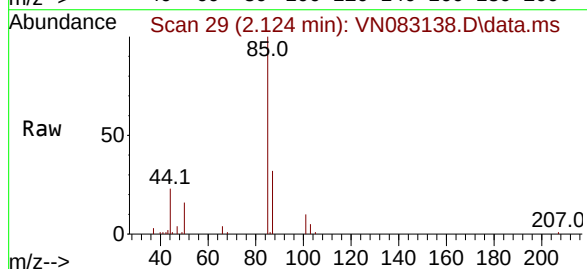
Manual Integrations
APPROVED

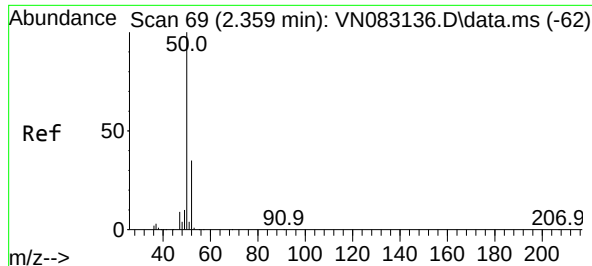
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#2
Dichlorodifluoromethane
Concen: 10.212 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN083138.D
Acq: 07 Aug 2024 11:46

Tgt Ion: 85 Resp: 22206
Ion Ratio Lower Upper
85 100
87 31.6 15.7 47.0





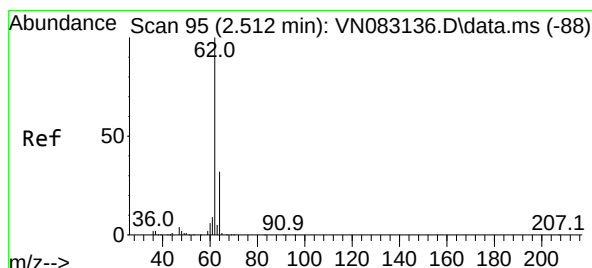
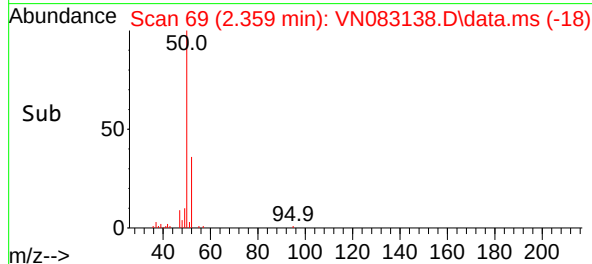
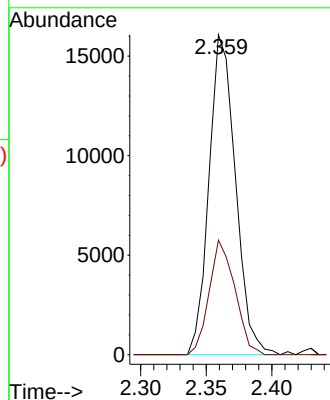
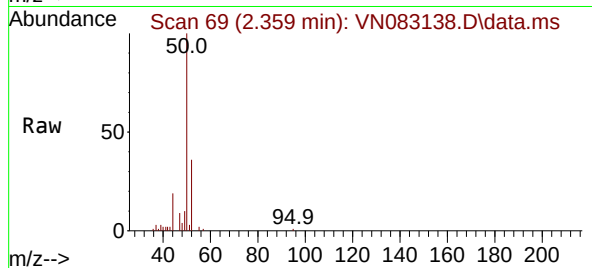
#3
Chloromethane
Concen: 10.150 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN083138.D
Acq: 07 Aug 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 50 Resp: 22590
Ion Ratio Lower Upper
50 100
52 35.8 25.0 37.4

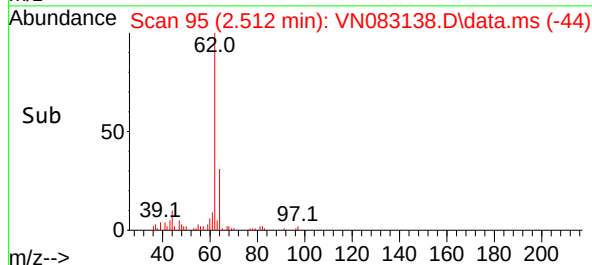
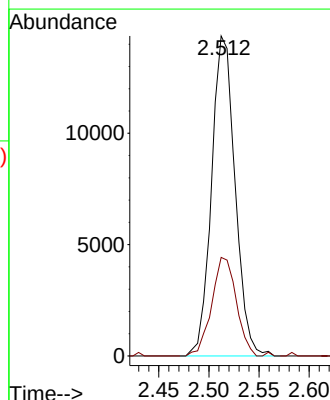
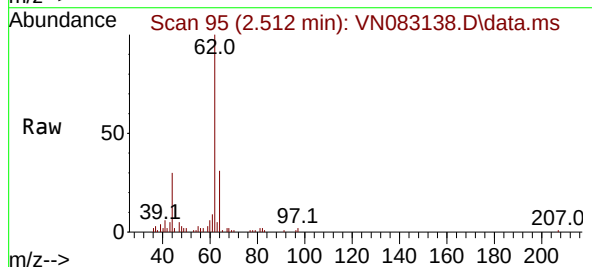
Manual Integrations
APPROVED

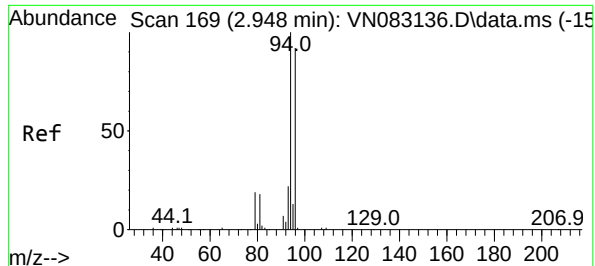
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#4
Vinyl Chloride
Concen: 10.328 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN083138.D
Acq: 07 Aug 2024 11:46

Tgt Ion: 62 Resp: 23461
Ion Ratio Lower Upper
62 100
64 30.8 25.0 37.6





#5

Bromomethane

Concen: 10.488 ug/l

RT: 2.959 min Scan# 11

Delta R.T. 0.012 min

Lab File: VN083138.D

Acq: 07 Aug 2024 11:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC010

Tgt Ion: 94 Resp: 1478

Ion Ratio Lower Upper

94 100

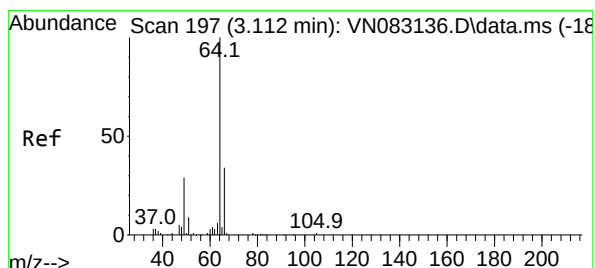
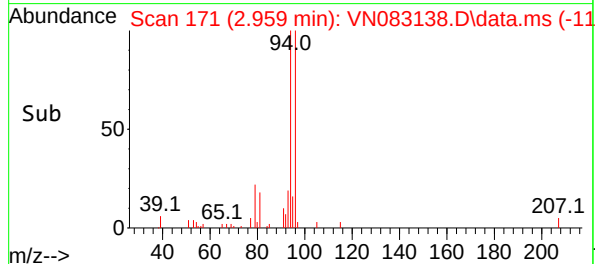
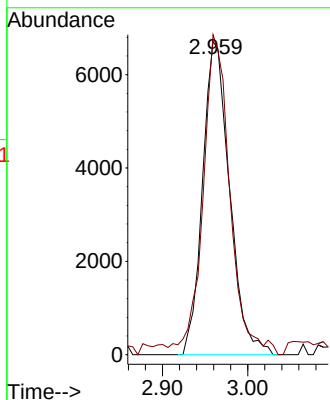
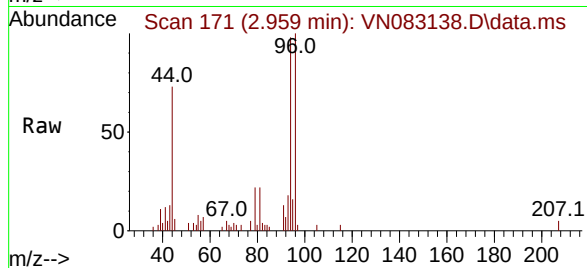
96 102.2 78.0 117.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#6

Chloroethane

Concen: 9.581 ug/l

RT: 3.118 min Scan# 198

Delta R.T. 0.006 min

Lab File: VN083138.D

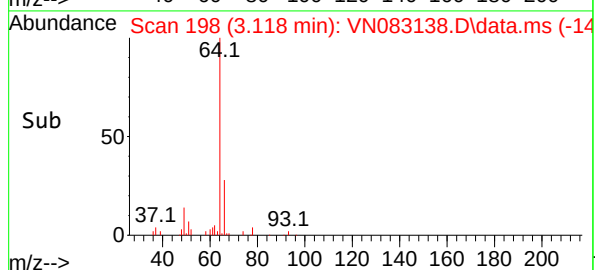
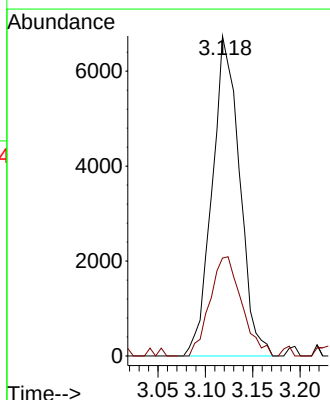
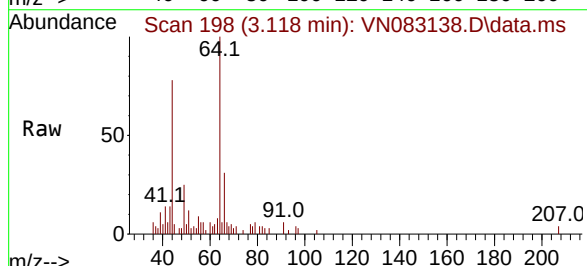
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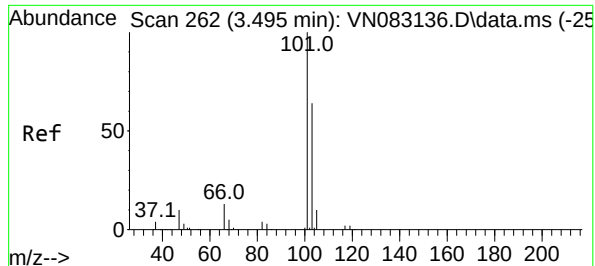
Tgt Ion: 64 Resp: 13616

Ion Ratio Lower Upper

64 100

66 30.6 26.6 40.0





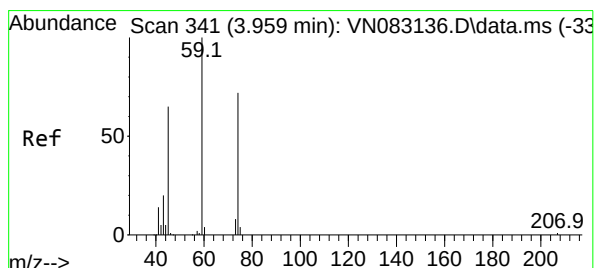
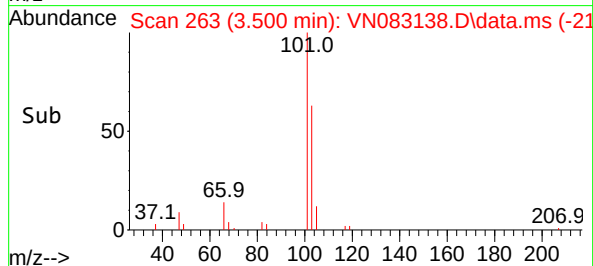
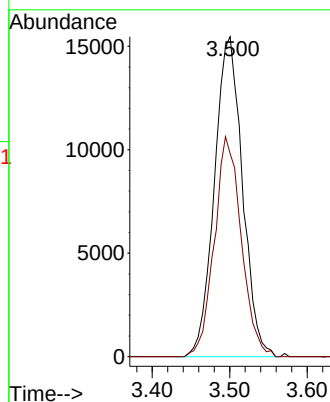
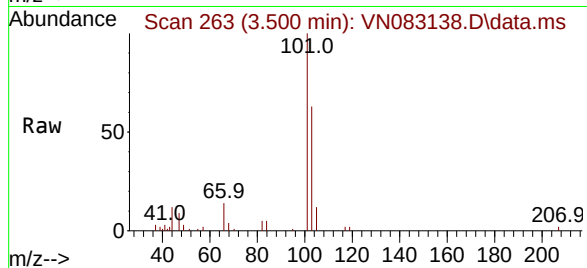
#7
Trichlorofluoromethane
Concen: 10.357 ug/l
RT: 3.500 min Scan# 262
Delta R.T. 0.005 min
Lab File: VN083138.D
Acq: 07 Aug 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:101 Resp: 3886
Ion Ratio Lower Upper
101 100
103 63.5 52.7 79.1

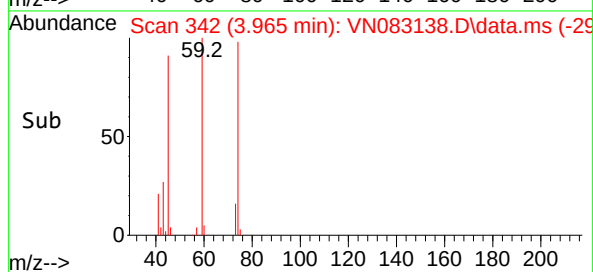
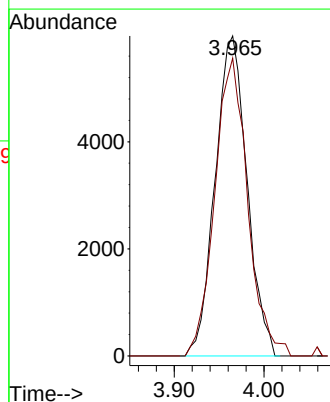
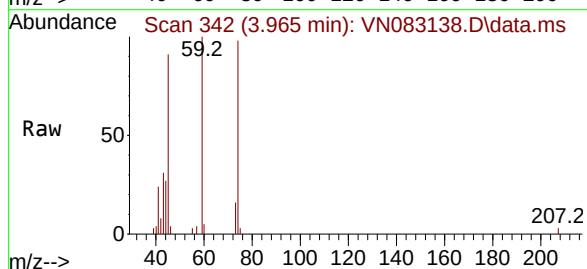
Manual Integrations
APPROVED

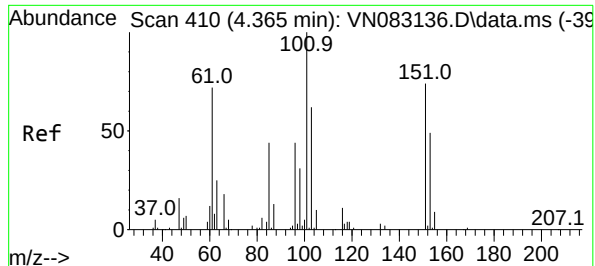
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#8
Diethyl Ether
Concen: 10.571 ug/l
RT: 3.965 min Scan# 342
Delta R.T. 0.006 min
Lab File: VN083138.D
Acq: 07 Aug 2024 11:46

Tgt Ion: 74 Resp: 14761
Ion Ratio Lower Upper
74 100
45 95.9 55.5 166.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 10.189 ug/l

RT: 4.365 min Scan# 410

Delta R.T. -0.000 min

Lab File: VN083138.D

Acq: 07 Aug 2024 11:46

Instrument :

MSVOA_N

ClientSampleId :

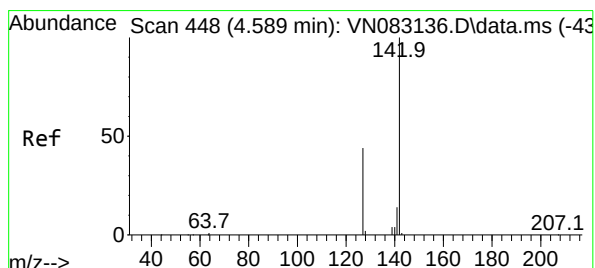
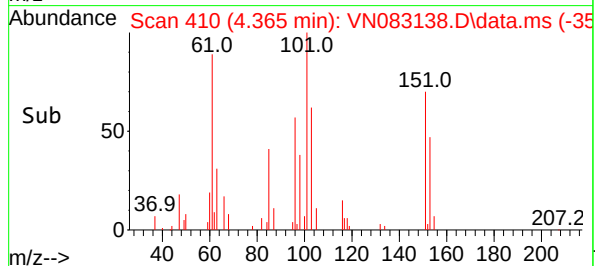
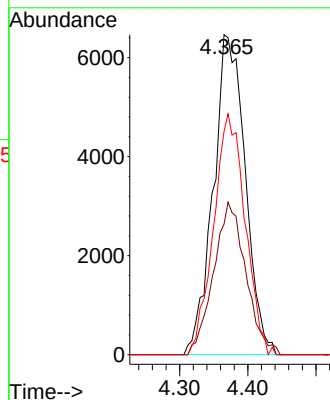
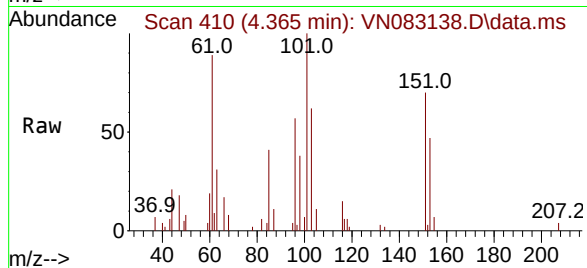
VSTDICC010

Tgt Ion:	101	Resp:	2108
Ion Ratio	Lower	Upper	
101	100		
85	48.0	38.3	57.5
151	74.1	59.3	88.9

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#10

Methyl Iodide

Concen: 10.005 ug/l

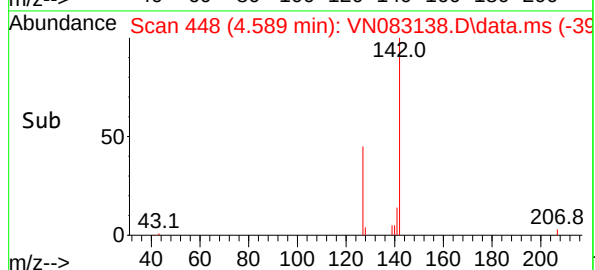
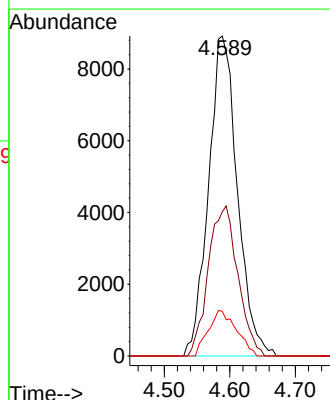
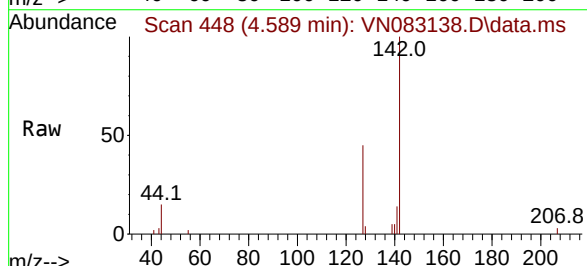
RT: 4.589 min Scan# 448

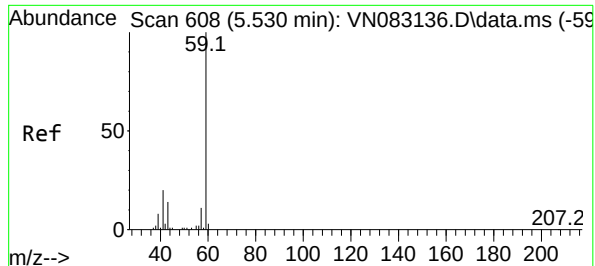
Delta R.T. -0.000 min

Lab File: VN083138.D

Acq: 07 Aug 2024 11:46

Tgt Ion:	142	Resp:	27229
Ion Ratio	Lower	Upper	
142	100		
127	45.0	37.5	56.3
141	13.9	13.1	19.7





#11

Tert butyl alcohol

Concen: 52.299 ug/l

RT: 5.530 min Scan# 608

Delta R.T. -0.000 min

Lab File: VN083138.D

Acq: 07 Aug 2024 11:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC010

Tgt Ion: 59 Resp: 2966

Ion Ratio Lower Upper

59 100

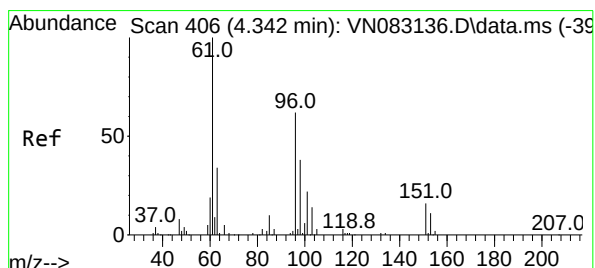
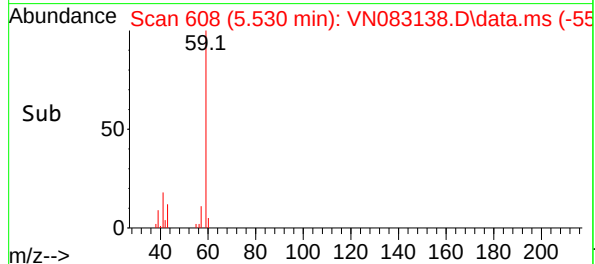
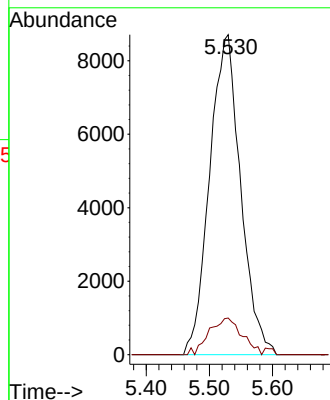
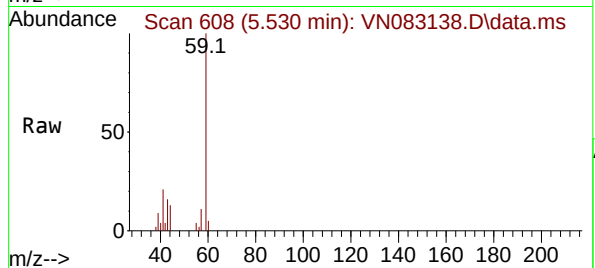
57 12.1 8.9 13.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#12

1,1-Dichloroethene

Concen: 10.177 ug/l

RT: 4.336 min Scan# 405

Delta R.T. -0.006 min

Lab File: VN083138.D

Acq: 07 Aug 2024 11:46

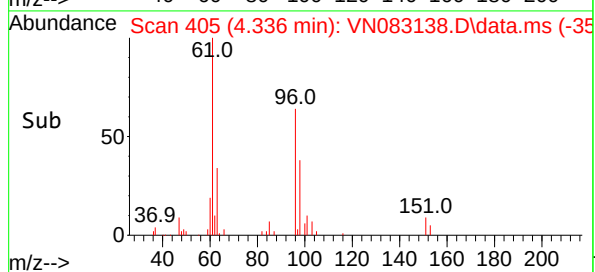
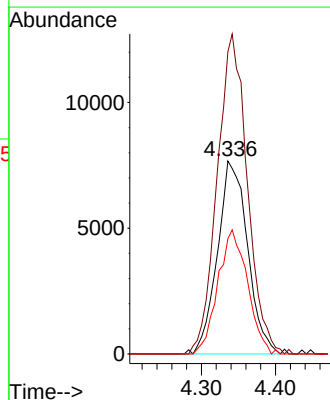
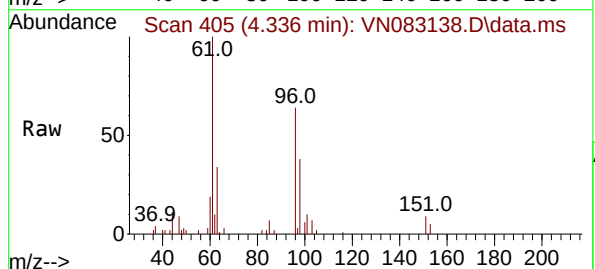
Tgt Ion: 96 Resp: 21633

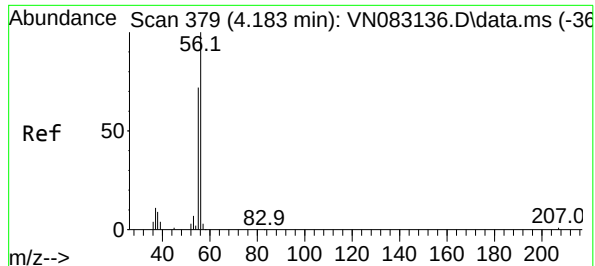
Ion Ratio Lower Upper

96 100

61 156.5 149.7 224.5

98 59.7 50.1 75.1





#13

Acrolein

Concen: 52.469 ug/l

RT: 4.177 min Scan# 31

Delta R.T. -0.006 min

Lab File: VN083138.D

Acq: 07 Aug 2024 11:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC010

Tgt Ion: 56 Resp: 1939

Ion Ratio Lower Upper

56 100

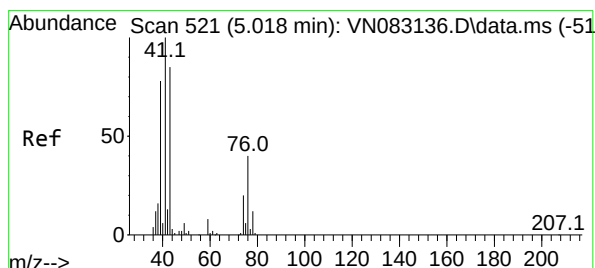
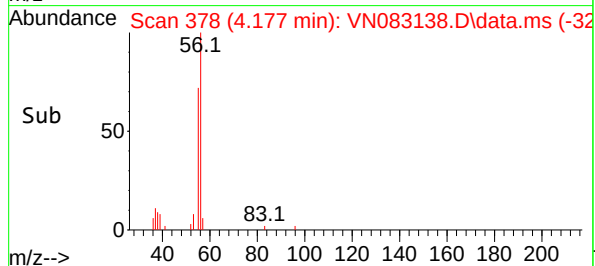
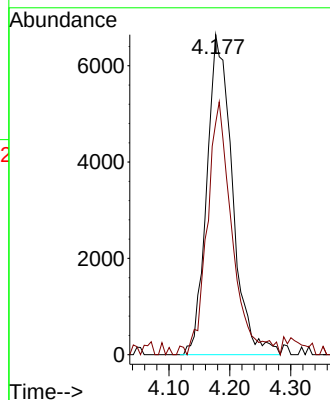
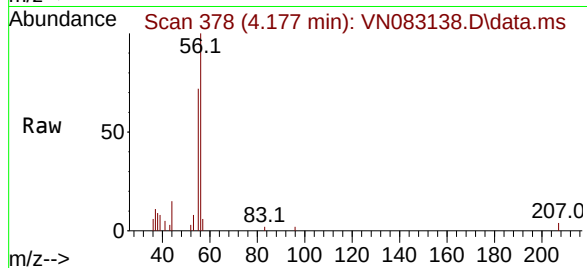
55 77.0 56.4 84.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#14

Allyl chloride

Concen: 10.343 ug/l

RT: 5.024 min Scan# 522

Delta R.T. 0.006 min

Lab File: VN083138.D

Acq: 07 Aug 2024 11:46

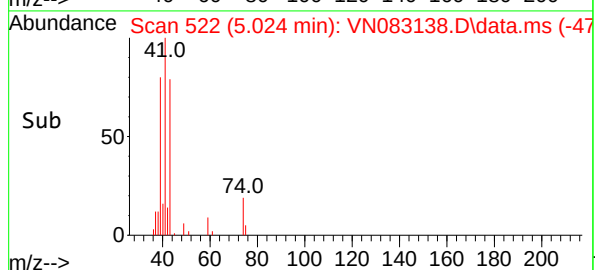
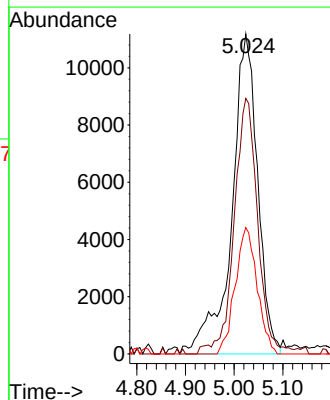
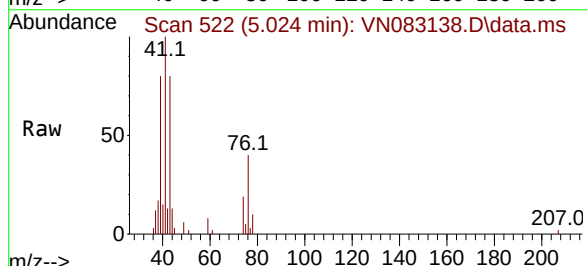
Tgt Ion: 41 Resp: 41546

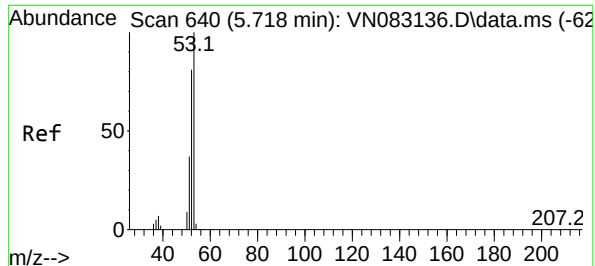
Ion Ratio Lower Upper

41 100

39 72.0 67.8 101.6

76 33.2 25.8 38.8





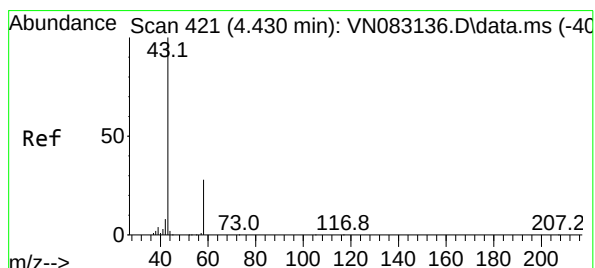
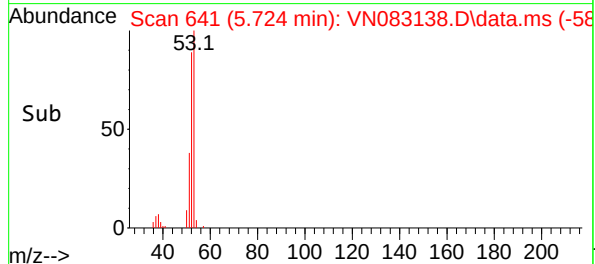
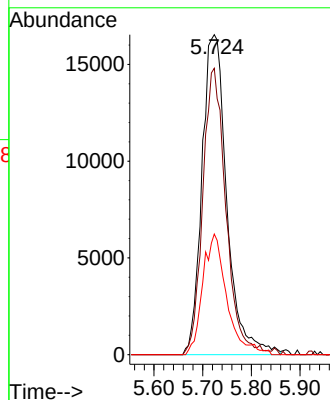
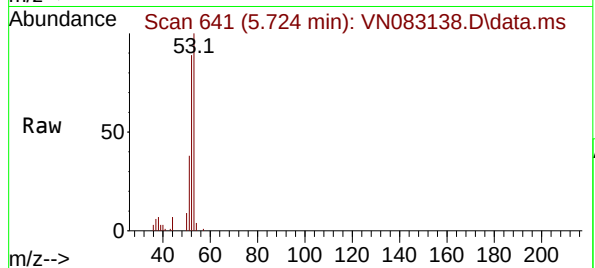
#15
Acrylonitrile
Concen: 50.248 ug/l
RT: 5.724 min Scan# 640
Delta R.T. 0.006 min
Lab File: VN083138.D
Acq: 07 Aug 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 53 Resp: 58618
Ion Ratio Lower Upper
53 100
52 83.1 66.6 100.0
51 36.6 30.1 45.1

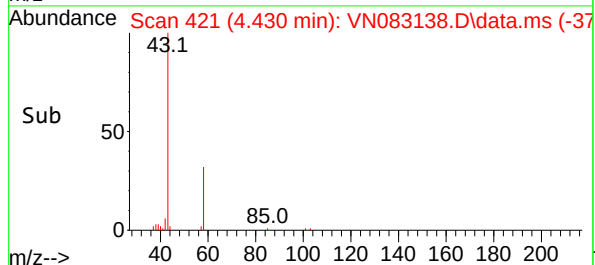
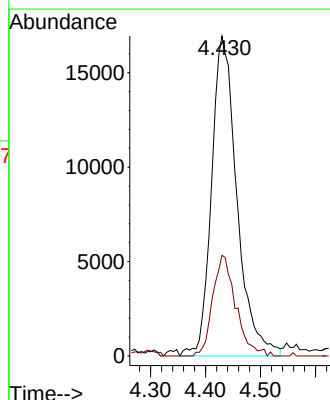
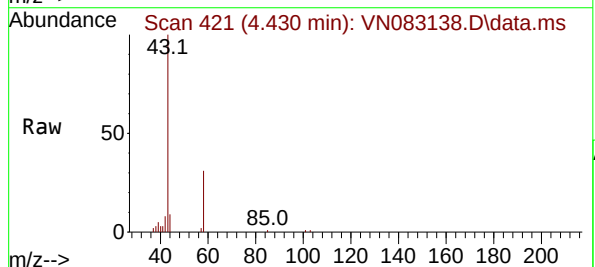
Manual Integrations
APPROVED

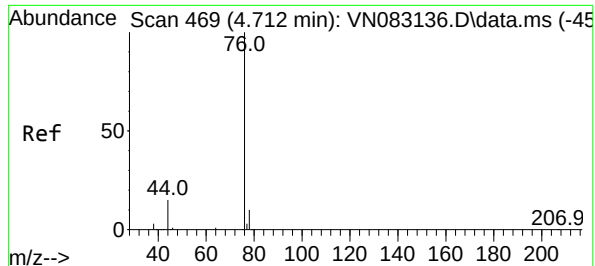
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#16
Acetone
Concen: 50.933 ug/l
RT: 4.430 min Scan# 421
Delta R.T. -0.000 min
Lab File: VN083138.D
Acq: 07 Aug 2024 11:46

Tgt Ion: 43 Resp: 54397
Ion Ratio Lower Upper
43 100
58 31.4 21.8 32.6





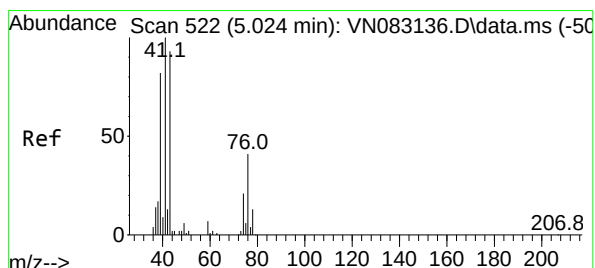
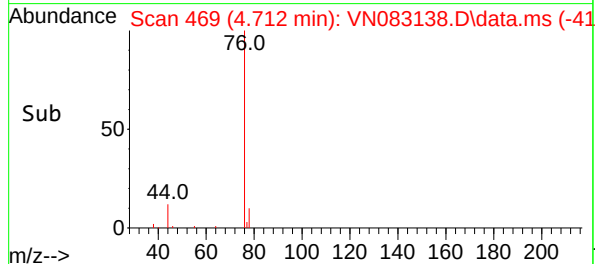
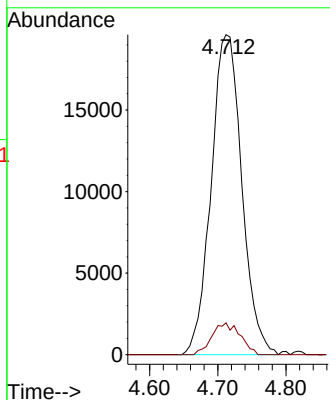
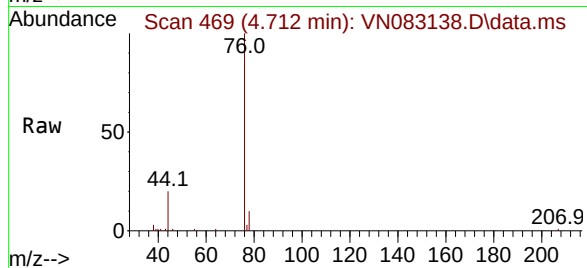
#17
Carbon Disulfide
Concen: 9.860 ug/l
RT: 4.712 min Scan# 469
Delta R.T. -0.000 min
Lab File: VN083138.D
Acq: 07 Aug 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 76 Resp: 6132
Ion Ratio Lower Upper
76 100
78 9.9 7.2 10.8

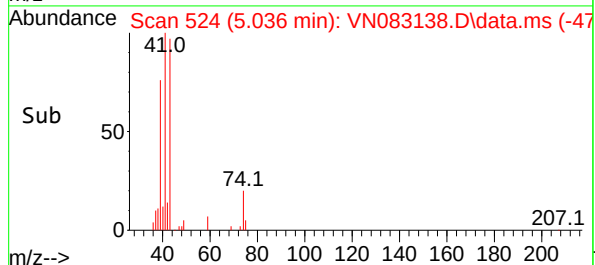
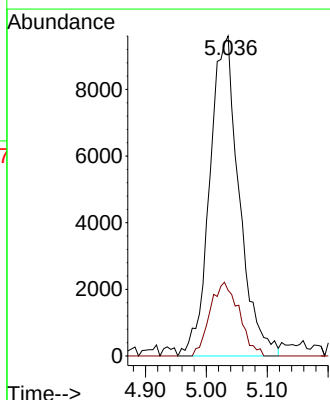
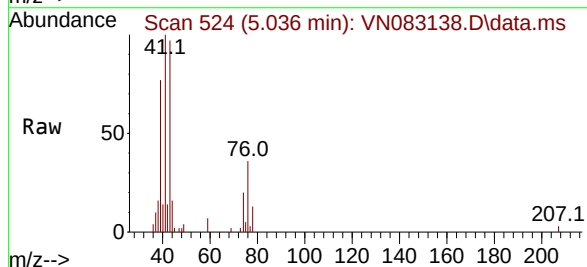
Manual Integrations
APPROVED

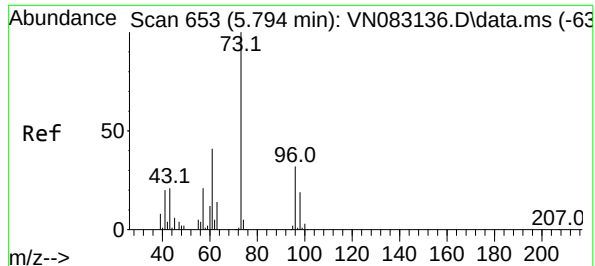
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#18
Methyl Acetate
Concen: 10.145 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.012 min
Lab File: VN083138.D
Acq: 07 Aug 2024 11:46

Tgt Ion: 43 Resp: 32282
Ion Ratio Lower Upper
43 100
74 22.8 16.3 24.5





#19

Methyl tert-butyl Ether

Concen: 10.072 ug/l

RT: 5.794 min Scan# 653

Delta R.T. -0.000 min

Lab File: VN083138.D

Acq: 07 Aug 2024 11:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tgt Ion: 73 Resp: 77278

Ion Ratio Lower Upper

73 100

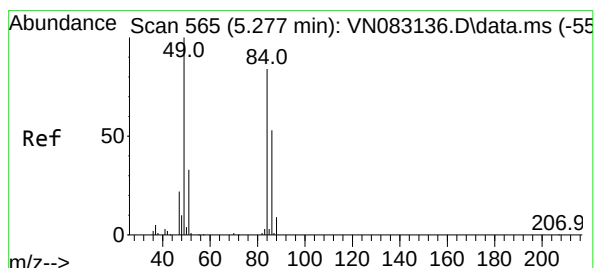
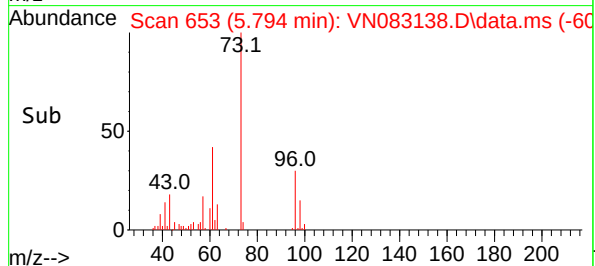
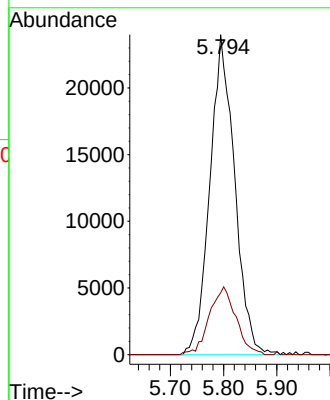
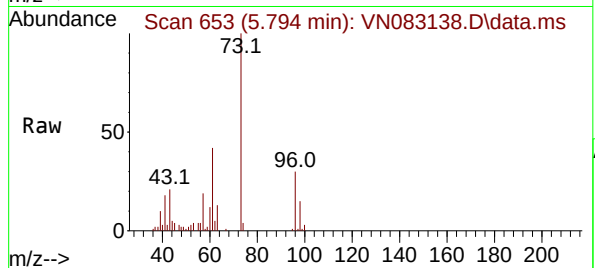
57 19.3 17.9 26.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#20

Methylene Chloride

Concen: 9.582 ug/l

RT: 5.277 min Scan# 565

Delta R.T. -0.000 min

Lab File: VN083138.D

Acq: 07 Aug 2024 11:46

Tgt Ion: 84 Resp: 23553

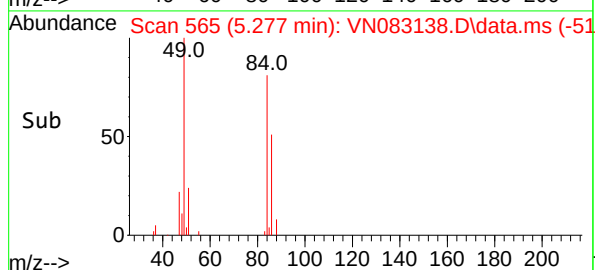
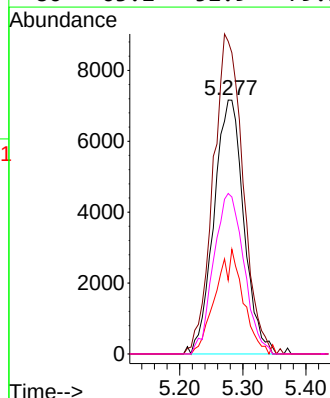
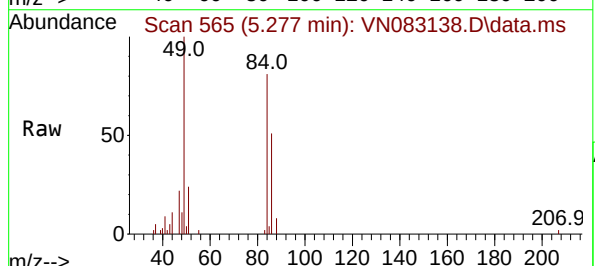
Ion Ratio Lower Upper

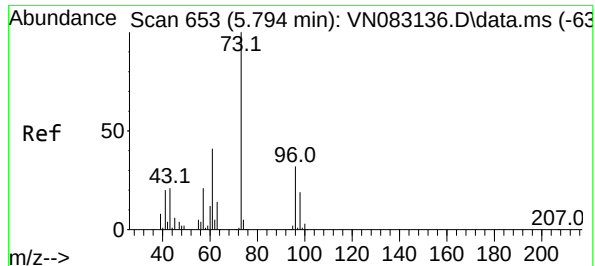
84 100

49 123.1 119.6 179.4

51 29.0 34.8 52.2#

86 63.2 52.9 79.3





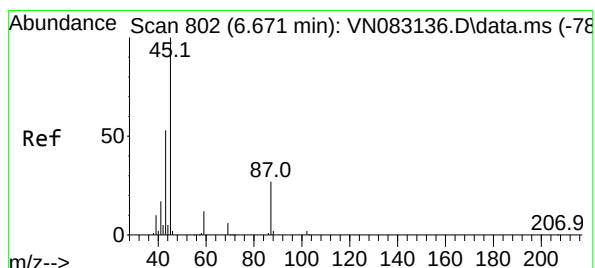
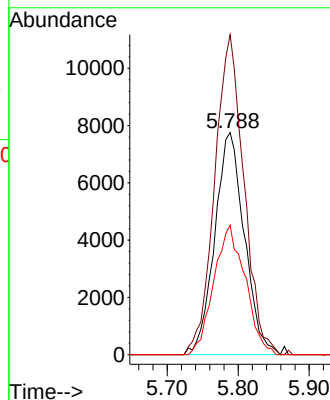
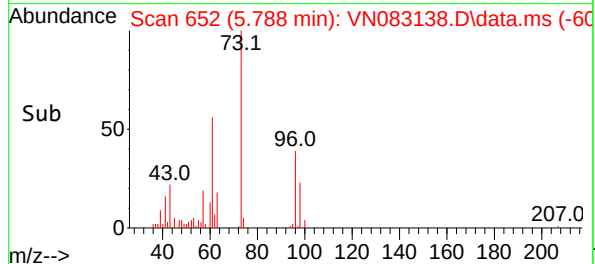
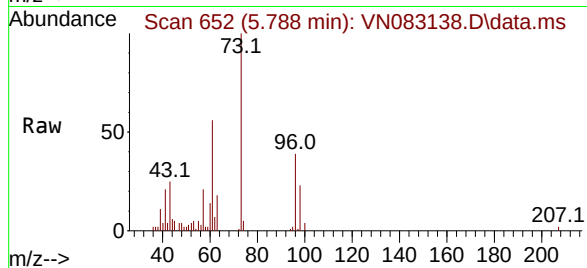
#21
trans-1,2-Dichloroethene
Concen: 10.229 ug/l
RT: 5.788 min Scan# 61
Delta R.T. -0.006 min
Lab File: VN083138.D
Acq: 07 Aug 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 96 Resp: 2247
Ion Ratio Lower Upper
96 100
61 144.0 123.4 185.2
98 58.3 49.3 73.9

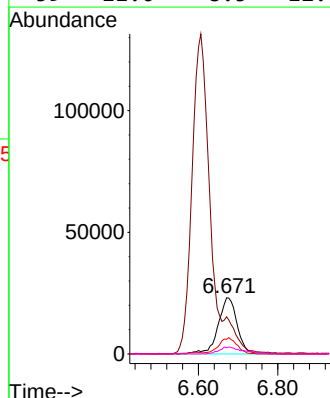
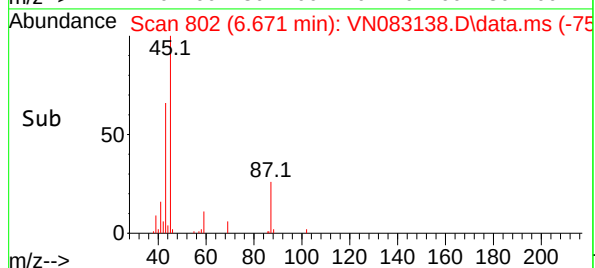
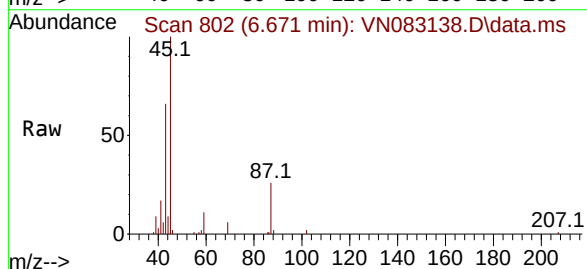
Manual Integrations
APPROVED

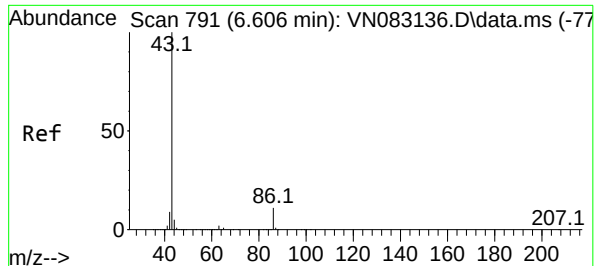
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#22
Diisopropyl ether
Concen: 10.204 ug/l
RT: 6.671 min Scan# 802
Delta R.T. -0.000 min
Lab File: VN083138.D
Acq: 07 Aug 2024 11:46

Tgt Ion: 45 Resp: 77046
Ion Ratio Lower Upper
45 100
43 64.3 44.0 66.0
87 26.1 19.7 29.5
59 11.0 8.5 12.7





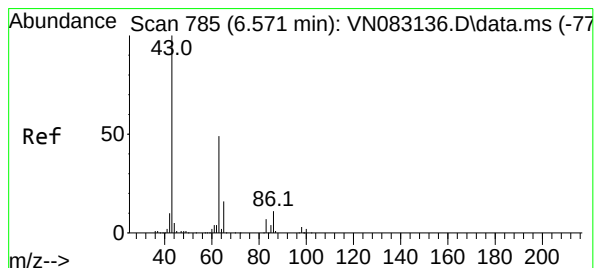
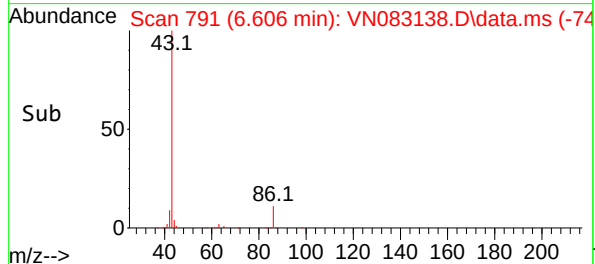
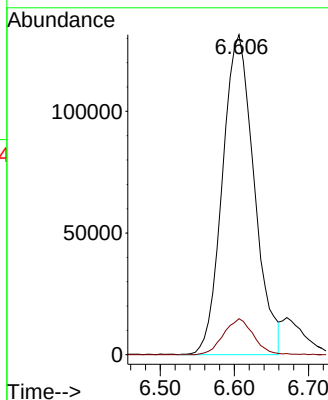
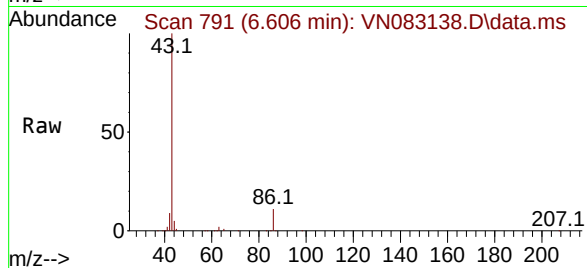
#23
Vinyl Acetate
Concen: 50.550 ug/l
RT: 6.606 min Scan# 791
Delta R.T. -0.000 min
Lab File: VN083138.D
Acq: 07 Aug 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 39115
Ion Ratio Lower Upper
43 100
86 11.2 7.3 10.9

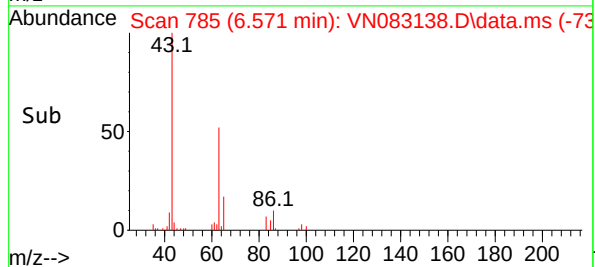
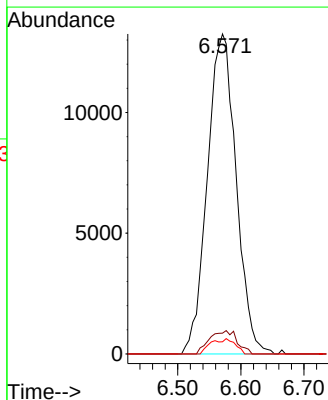
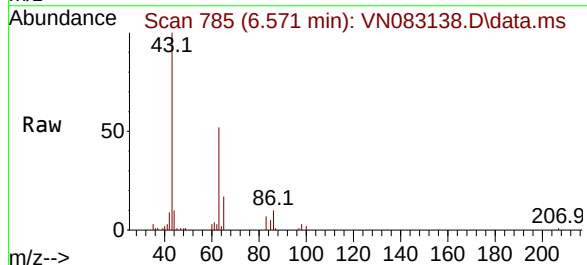
Manual Integrations
APPROVED

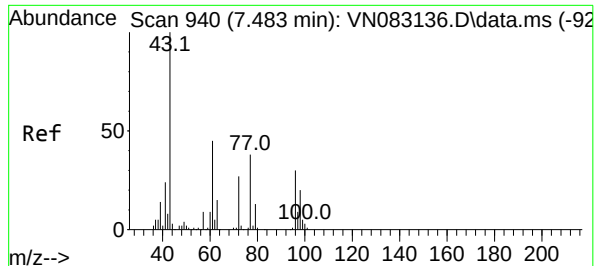
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#24
1,1-Dichloroethane
Concen: 10.213 ug/l
RT: 6.571 min Scan# 785
Delta R.T. -0.000 min
Lab File: VN083138.D
Acq: 07 Aug 2024 11:46

Tgt Ion: 63 Resp: 42035
Ion Ratio Lower Upper
63 100
98 6.5 3.3 9.9
100 3.8 2.0 6.0





#25

2-Butanone

Concen: 50.278 ug/l

RT: 7.488 min Scan# 941

Delta R.T. 0.006 min

Lab File: VN083138.D

Acq: 07 Aug 2024 11:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC010

Tgt Ion: 43 Resp: 8245

Ion Ratio Lower Upper

43 100

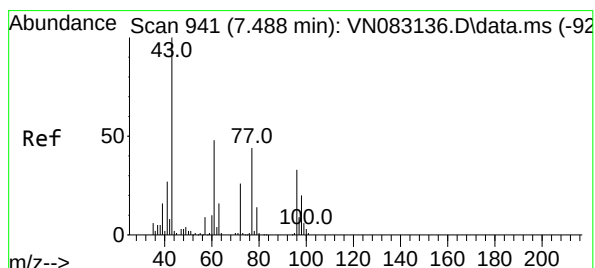
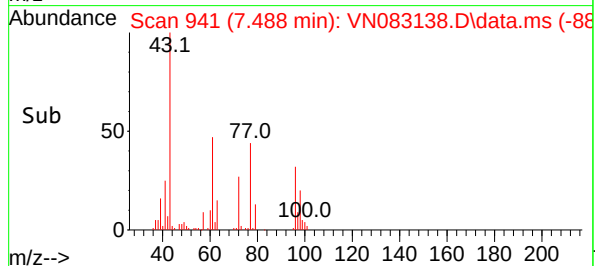
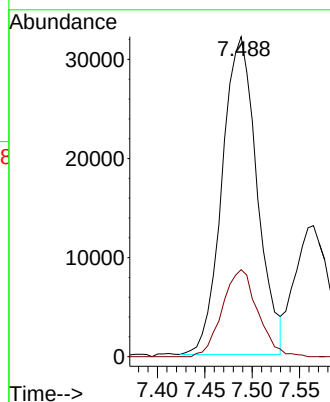
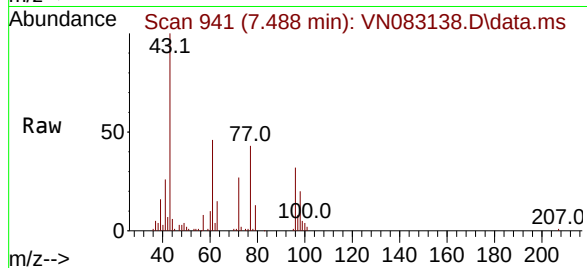
72 27.4 18.2 27.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#26

2,2-Dichloropropane

Concen: 10.351 ug/l

RT: 7.488 min Scan# 941

Delta R.T. -0.000 min

Lab File: VN083138.D

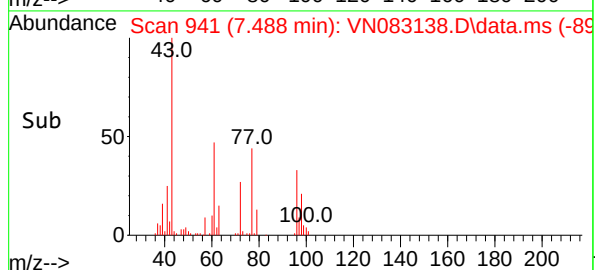
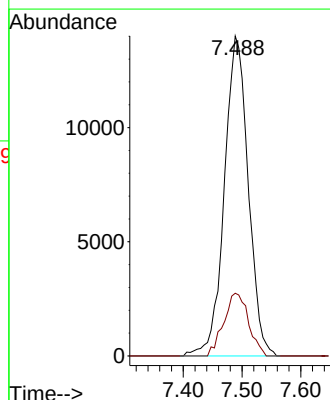
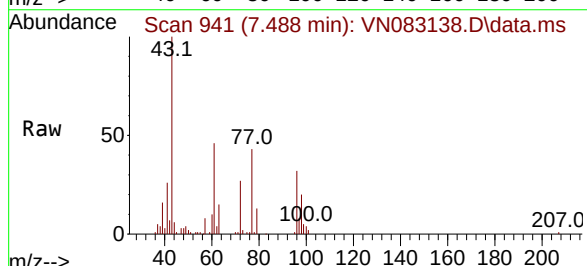
Acq: 07 Aug 2024 11:46

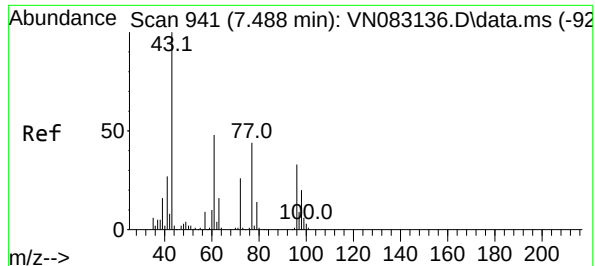
Tgt Ion: 77 Resp: 39561

Ion Ratio Lower Upper

77 100

97 20.2 10.3 30.9





#27

cis-1,2-Dichloroethene

Concen: 10.148 ug/l

RT: 7.488 min Scan# 941

Delta R.T. -0.000 min

Lab File: VN083138.D

Acq: 07 Aug 2024 11:46

Instrument :

MSVOA_N

ClientSampleId :

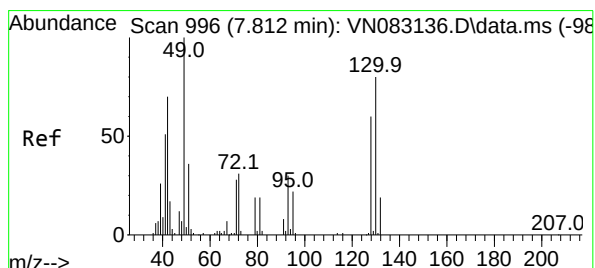
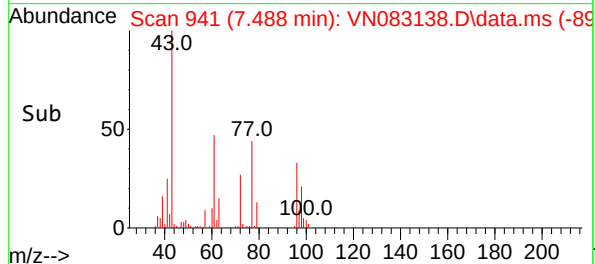
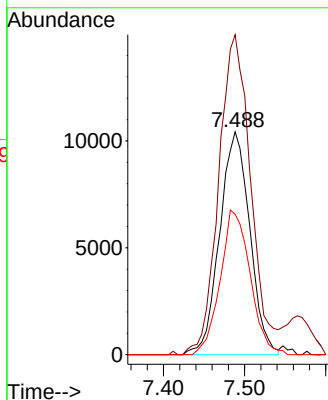
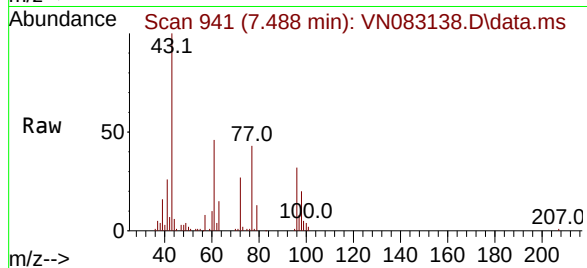
VSTDICC010

Tgt Ion:	96	Resp:	2690
Ion	Ratio	Lower	Upper
96	100		
61	152.1	0.0	329.6
98	64.4	0.0	128.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#28

Bromochloromethane

Concen: 8.916 ug/l

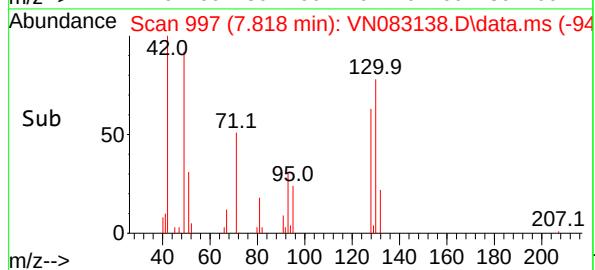
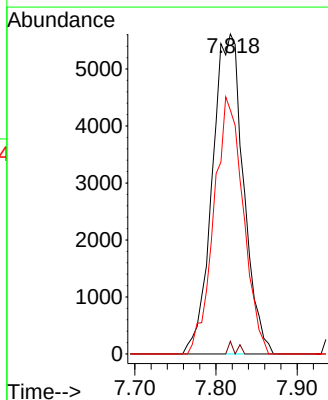
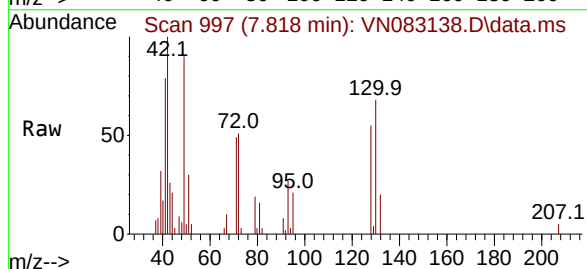
RT: 7.818 min Scan# 997

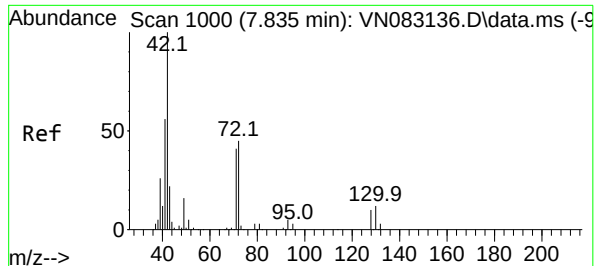
Delta R.T. 0.006 min

Lab File: VN083138.D

Acq: 07 Aug 2024 11:46

Tgt Ion:	49	Resp:	14997
Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	3.8
130	75.4	50.5	75.7





#29

Tetrahydrofuran

Concen: 51.708 ug/l

RT: 7.841 min Scan# 1001

Delta R.T. 0.006 min

Lab File: VN083138.D

Acq: 07 Aug 2024 11:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC010

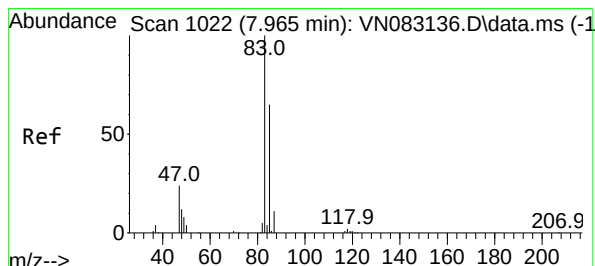
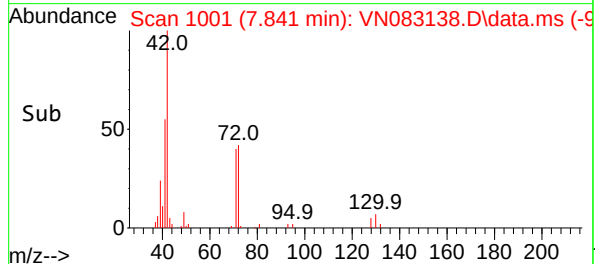
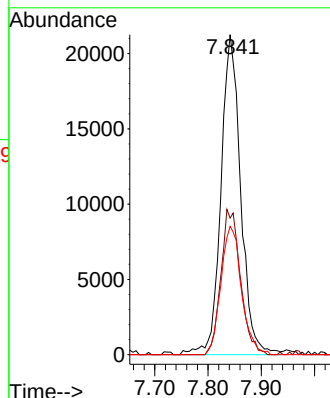
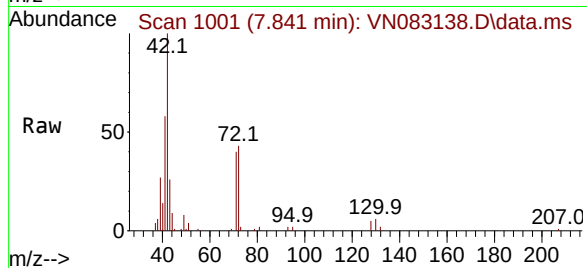
Tgt Ion:	42	Resp:	5481
Ion Ratio	Lower	Upper	
42	100		
72	44.9	30.0	45.0
71	41.8	28.3	42.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#30

Chloroform

Concen: 10.155 ug/l

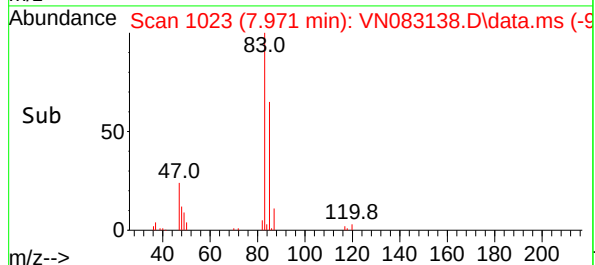
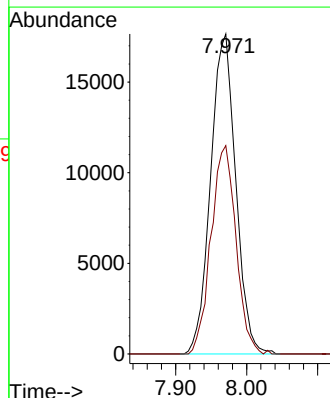
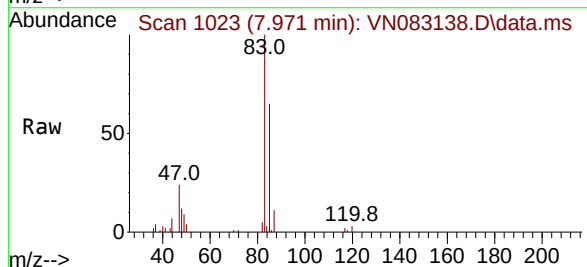
RT: 7.971 min Scan# 1023

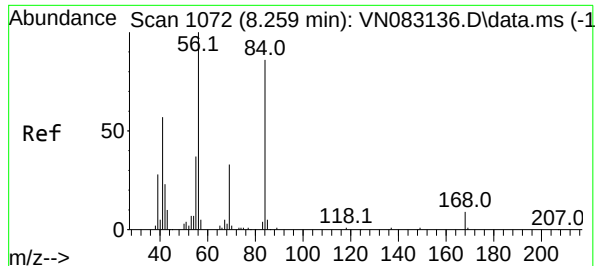
Delta R.T. 0.006 min

Lab File: VN083138.D

Acq: 07 Aug 2024 11:46

Tgt Ion:	83	Resp:	43421
Ion Ratio	Lower	Upper	
83	100		
85	65.1	50.9	76.3





#31

Cyclohexane

Concen: 10.523 ug/l

RT: 8.259 min Scan# 1072

Delta R.T. -0.000 min

Lab File: VN083138.D

Acq: 07 Aug 2024 11:46

Instrument :

MSVOA_N

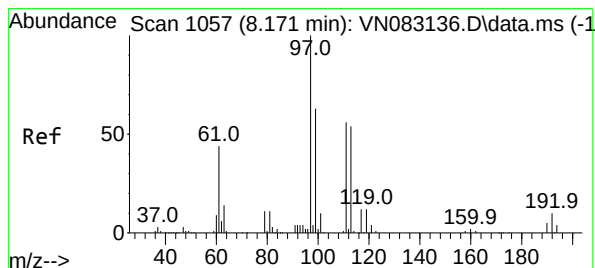
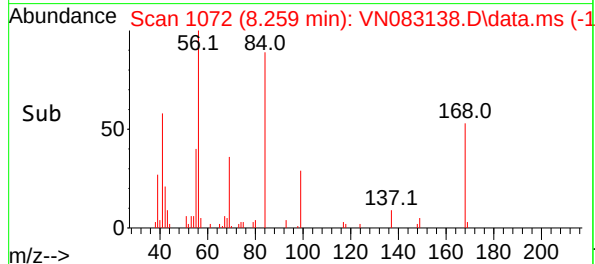
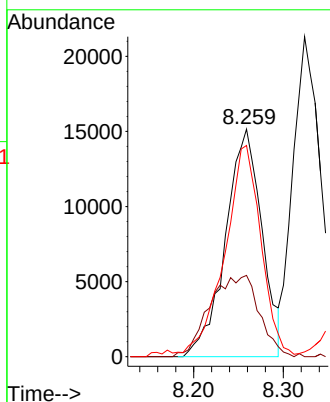
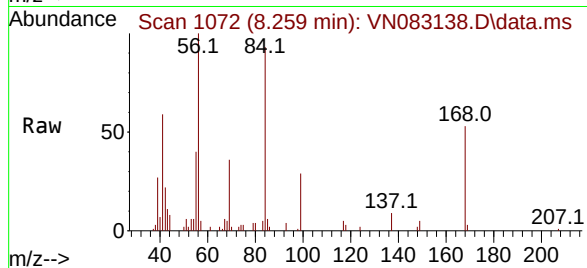
ClientSampleId :

VSTDIC010

Tgt Ion:	56	Resp:	4256
Ion Ratio	Lower	Upper	
56	100		
69	34.0	24.5	36.7
84	90.8	66.0	99.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#32

1,1,1-Trichloroethane

Concen: 10.191 ug/l

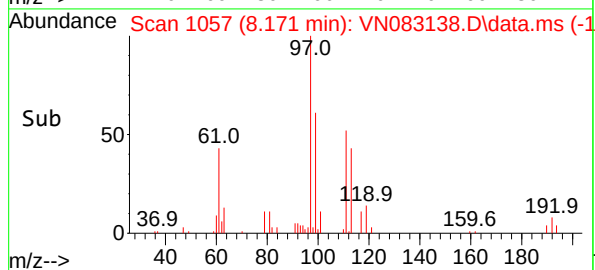
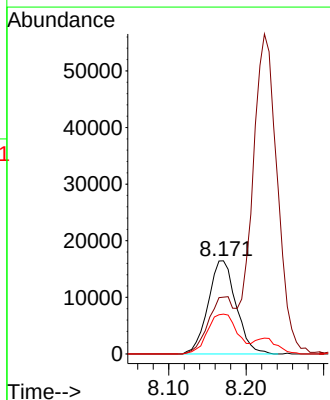
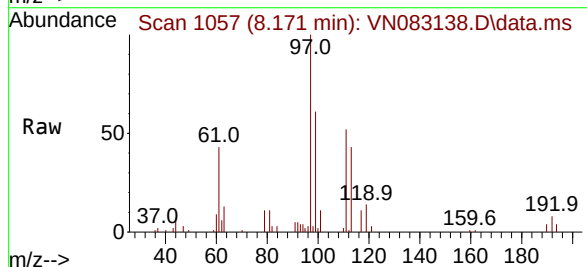
RT: 8.171 min Scan# 1057

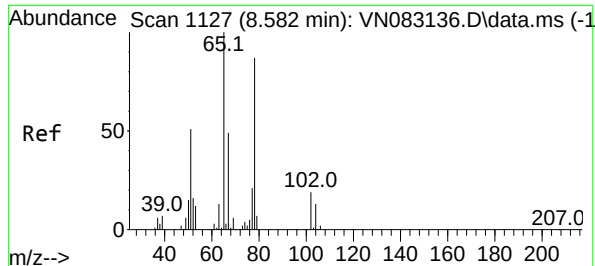
Delta R.T. -0.000 min

Lab File: VN083138.D

Acq: 07 Aug 2024 11:46

Tgt Ion:	97	Resp:	41247
Ion Ratio	Lower	Upper	
97	100		
99	59.5	52.0	78.0
61	46.2	42.1	63.1





#33

1,2-Dichloroethane-d4

Concen: 9.974 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VN083138.D

Acq: 07 Aug 2024 11:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tgt Ion: 65 Resp: 2722

Ion Ratio Lower Upper

65 100

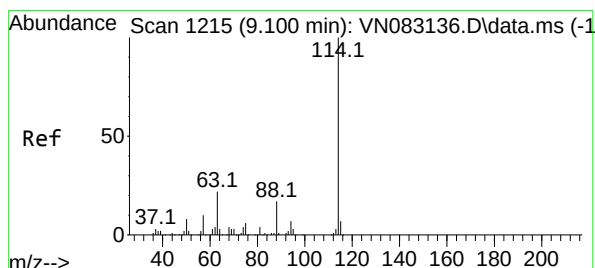
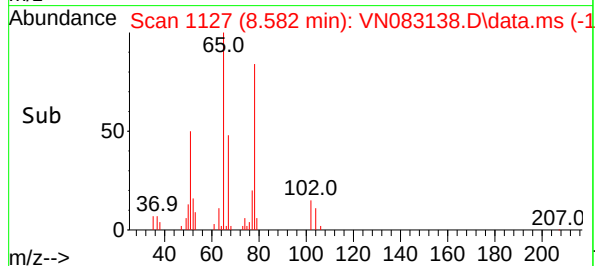
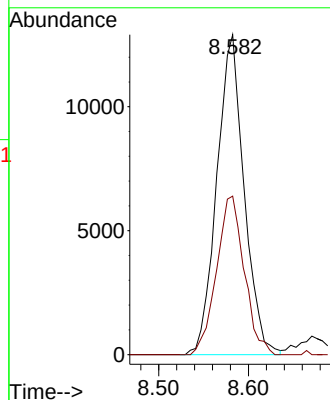
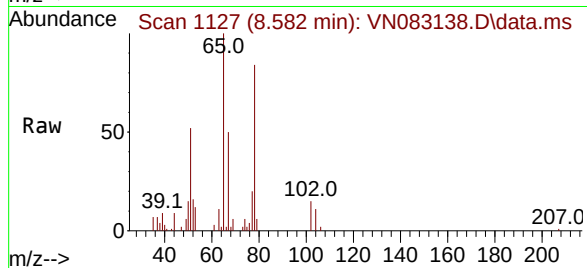
67 50.3 0.0 104.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN083138.D

Acq: 07 Aug 2024 11:46

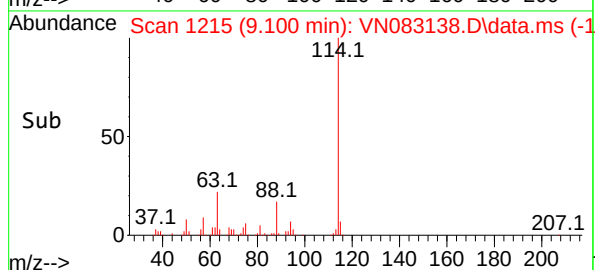
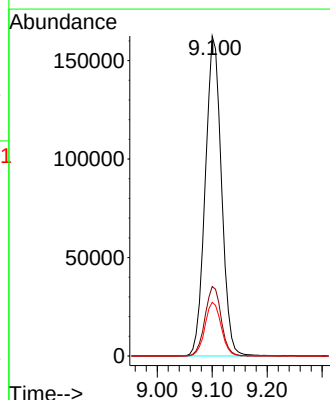
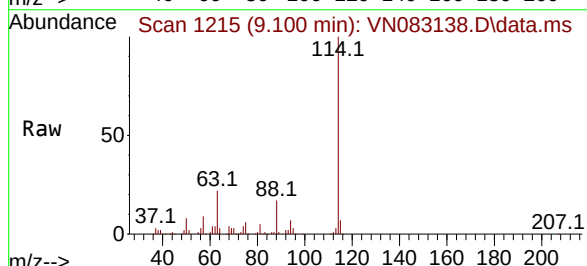
Tgt Ion:114 Resp: 332105

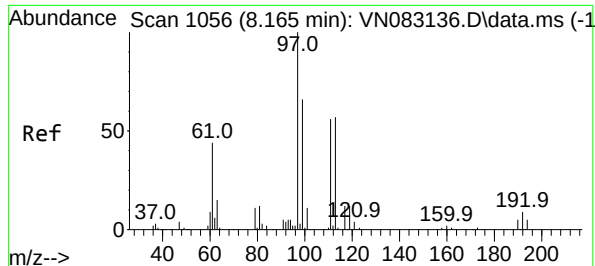
Ion Ratio Lower Upper

114 100

63 21.7 0.0 44.6

88 16.8 0.0 31.4





#35

Dibromofluoromethane

Concen: 9.832 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN083138.D

Acq: 07 Aug 2024 11:46

Instrument :

MSVOA_N

ClientSampleId :

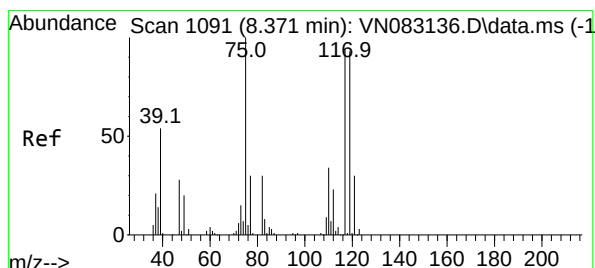
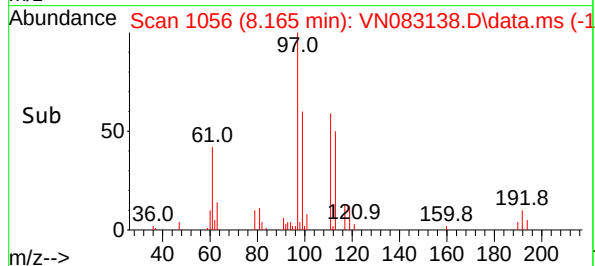
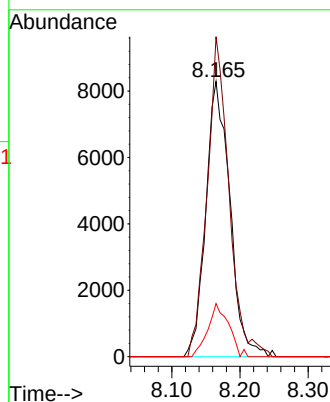
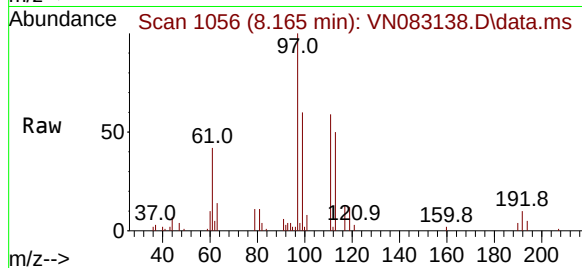
VSTDIC010

Tgt Ion:	113	Resp:	2038
Ion	Ratio	Lower	Upper
113	100		
111	105.9	82.4	123.6
192	16.7	14.9	22.3

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#36

1,1-Dichloropropene

Concen: 10.103 ug/l

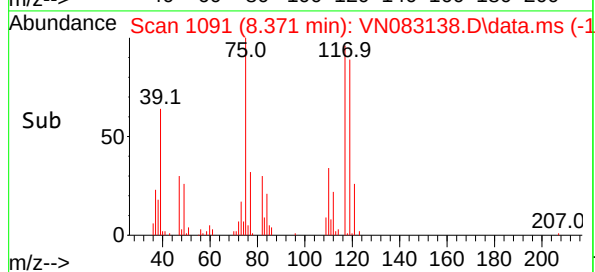
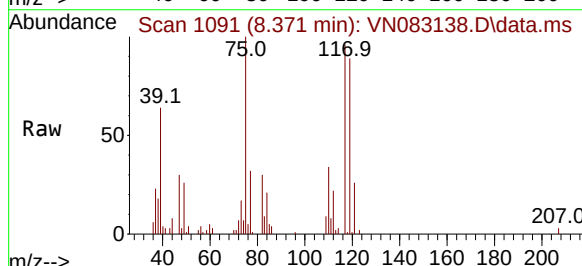
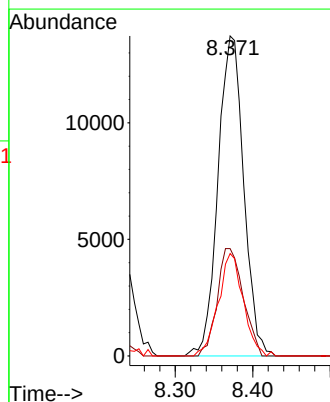
RT: 8.371 min Scan# 1091

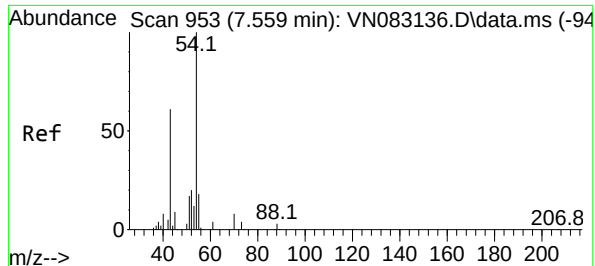
Delta R.T. -0.000 min

Lab File: VN083138.D

Acq: 07 Aug 2024 11:46

Tgt Ion:	75	Resp:	31681
Ion	Ratio	Lower	Upper
75	100		
110	33.9	16.3	48.9
77	31.1	24.6	37.0





#37

Ethyl Acetate

Concen: 9.685 ug/l

RT: 7.565 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN083138.D

Acq: 07 Aug 2024 11:46

Instrument :

MSVOA_N

ClientSampleId :

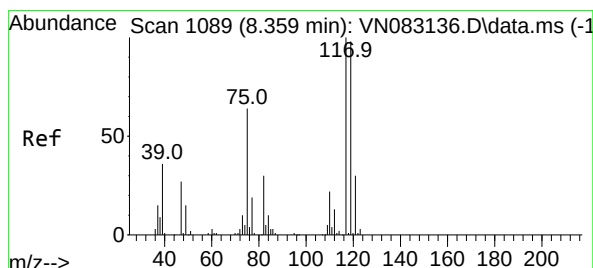
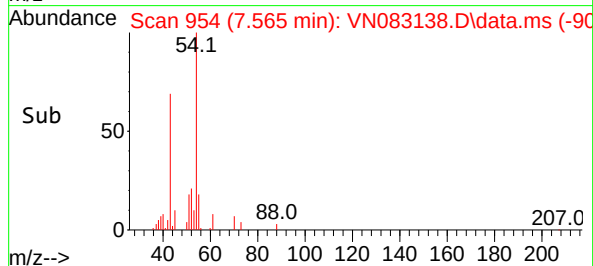
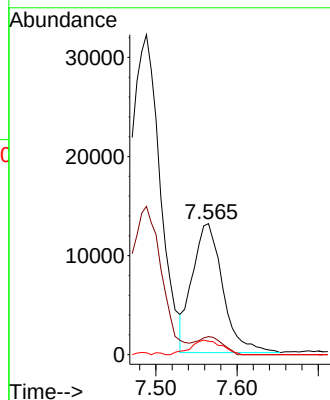
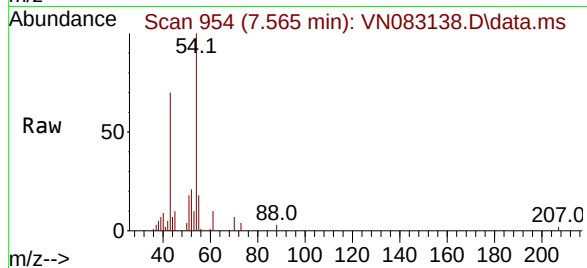
VSTDICC010

Tgt Ion:	43	Resp:	3400
Ion	Ratio	Lower	Upper
43	100		
61	12.0	9.3	13.9
70	11.4	7.0	10.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#38

Carbon Tetrachloride

Concen: 10.179 ug/l

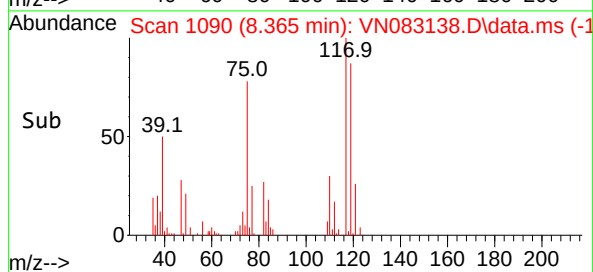
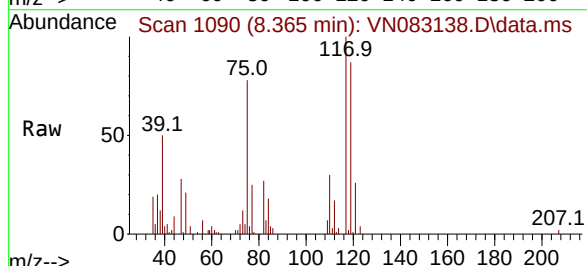
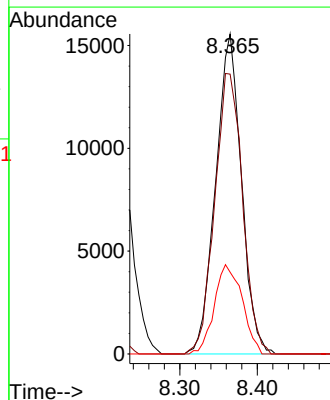
RT: 8.365 min Scan# 1090

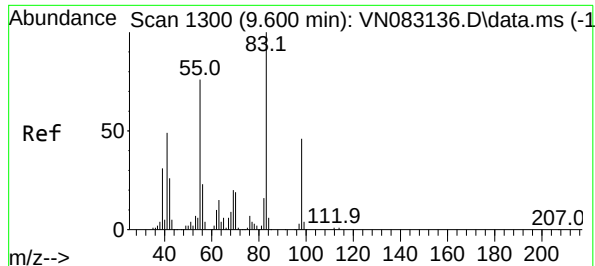
Delta R.T. 0.006 min

Lab File: VN083138.D

Acq: 07 Aug 2024 11:46

Tgt Ion:	117	Resp:	35950
Ion	Ratio	Lower	Upper
117	100		
119	87.5	74.9	112.3
121	25.6	24.3	36.5





#39

Methylcyclohexane

Concen: 10.058 ug/l

RT: 9.600 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VN083138.D

Acq: 07 Aug 2024 11:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

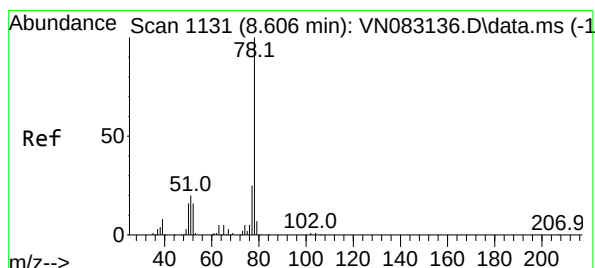
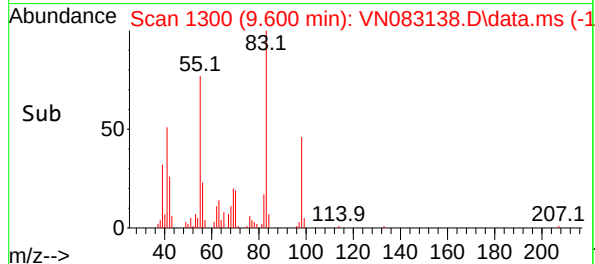
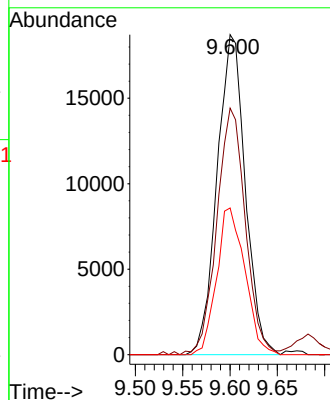
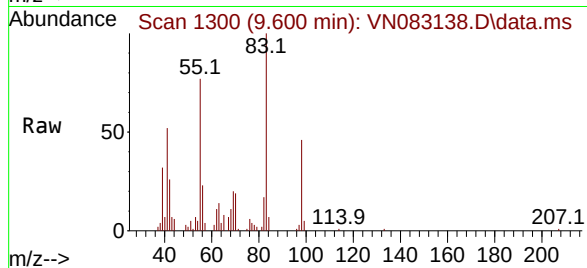
Tgt Ion:	83	Resp:	38738
Ion	Ratio	Lower	Upper
83	100		
55	77.1	66.4	99.6
98	45.9	40.7	61.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#40

Benzene

Concen: 10.157 ug/l

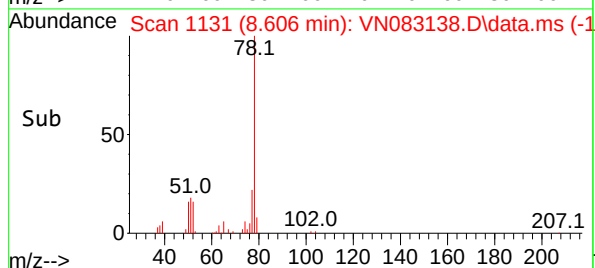
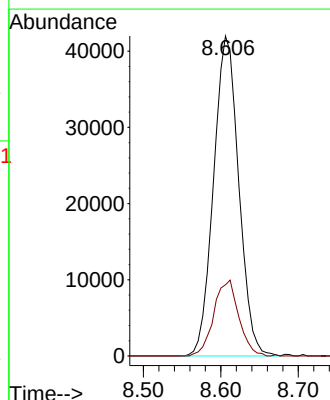
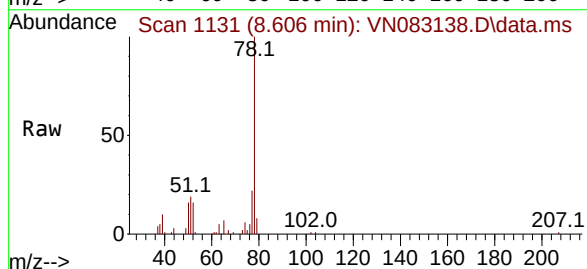
RT: 8.606 min Scan# 1131

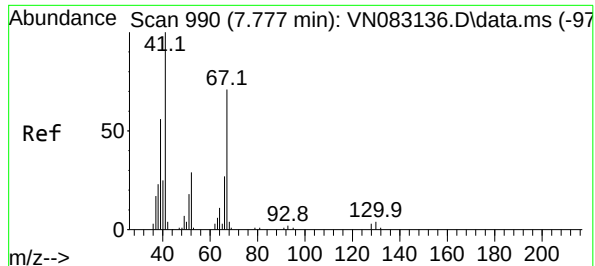
Delta R.T. -0.000 min

Lab File: VN083138.D

Acq: 07 Aug 2024 11:46

Tgt Ion:	78	Resp:	94885
Ion	Ratio	Lower	Upper
78	100		
77	22.2	19.0	28.4





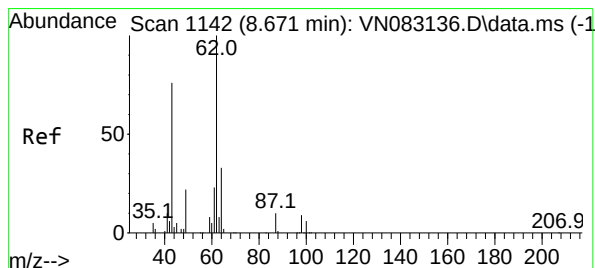
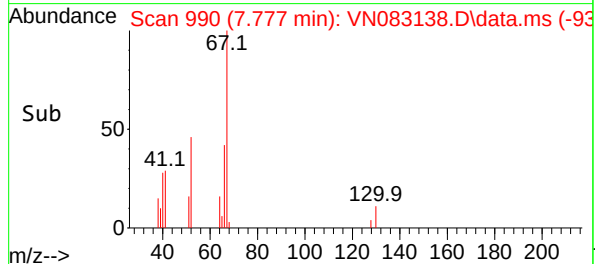
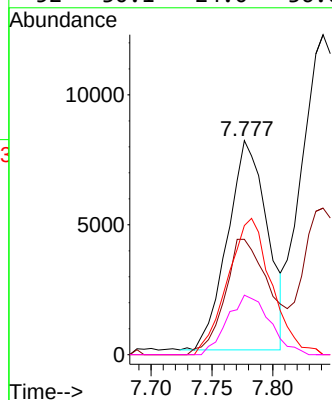
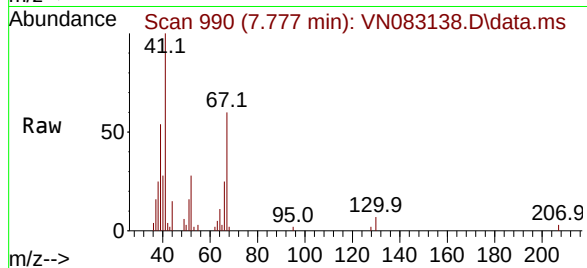
#41
Methacrylonitrile
Concen: 9.213 ug/l
RT: 7.777 min Scan# 990
Delta R.T. -0.000 min
Lab File: VN083138.D
Acq: 07 Aug 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 41 Resp: 18392
Ion Ratio Lower Upper
41 100
39 62.6 45.5 68.3
67 71.3 50.5 75.7
52 30.1 24.0 36.0

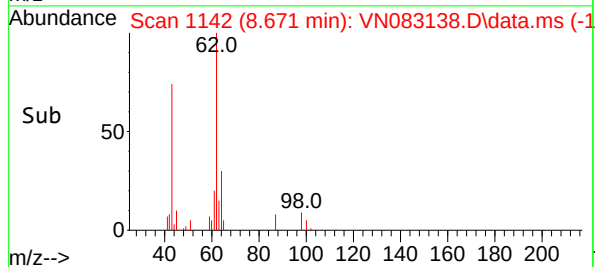
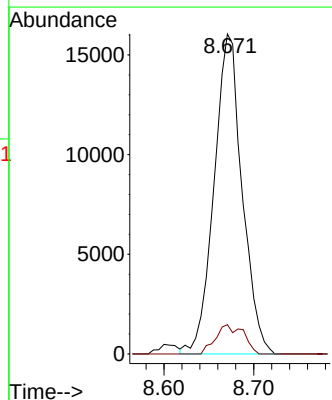
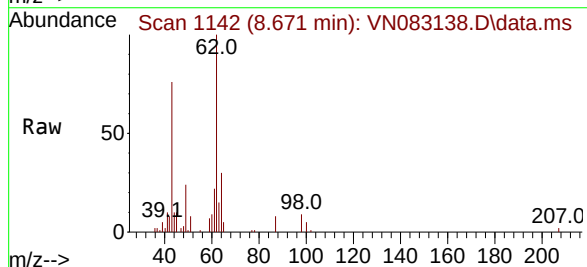
Manual Integrations
APPROVED

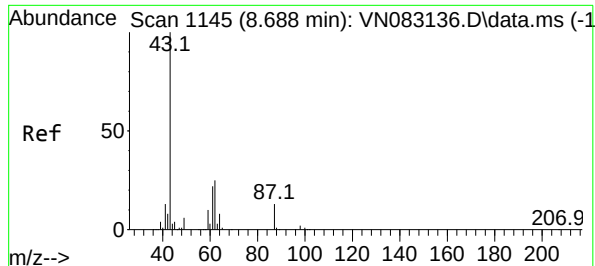
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#42
1,2-Dichloroethane
Concen: 10.234 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VN083138.D
Acq: 07 Aug 2024 11:46

Tgt Ion: 62 Resp: 34826
Ion Ratio Lower Upper
62 100
98 9.1 0.0 15.8





#43

Isopropyl Acetate

Concen: 10.170 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.006 min

Lab File: VN083138.D

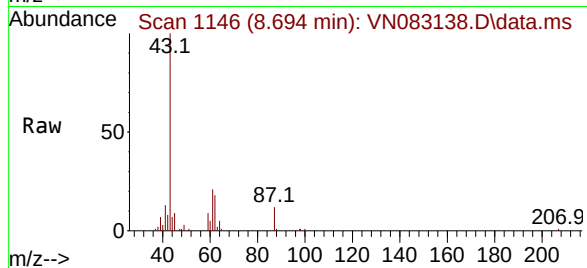
Acq: 07 Aug 2024 11:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC010

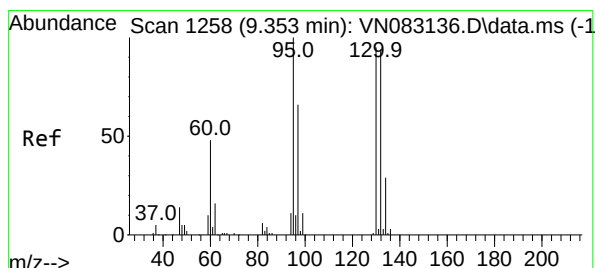
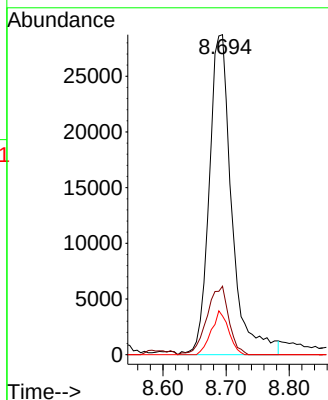
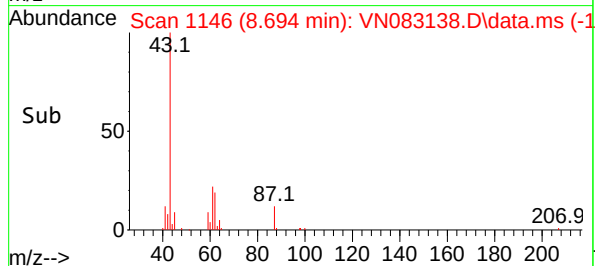


Tgt Ion:	43	Resp:	71420
Ion	Ratio	Lower	Upper
43	100		
61	20.7	17.8	26.6
87	10.4	8.2	12.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#44

Trichloroethene

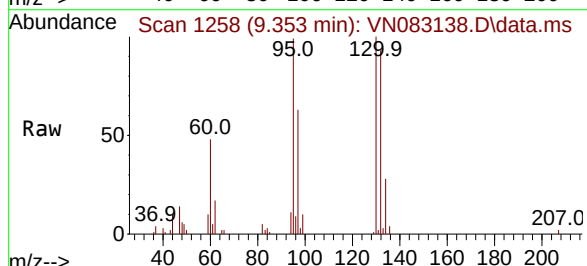
Concen: 10.195 ug/l

RT: 9.353 min Scan# 1258

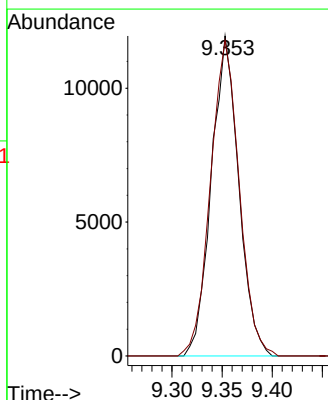
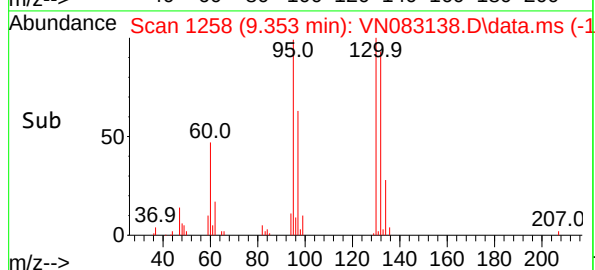
Delta R.T. -0.000 min

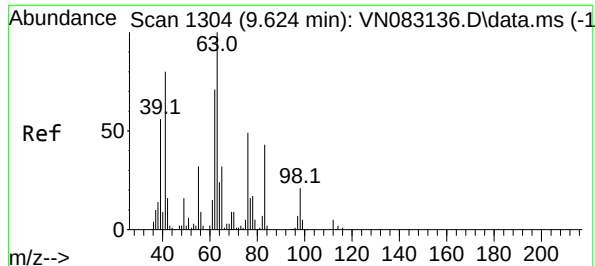
Lab File: VN083138.D

Acq: 07 Aug 2024 11:46



Tgt Ion:	130	Resp:	22669
Ion	Ratio	Lower	Upper
130	100		
95	98.5	0.0	197.8





#45

1,2-Dichloropropane

Concen: 10.211 ug/l

RT: 9.624 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN083138.D

Acq: 07 Aug 2024 11:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC010

Tgt Ion: 63 Resp: 2264

Ion Ratio Lower Upper

63 100

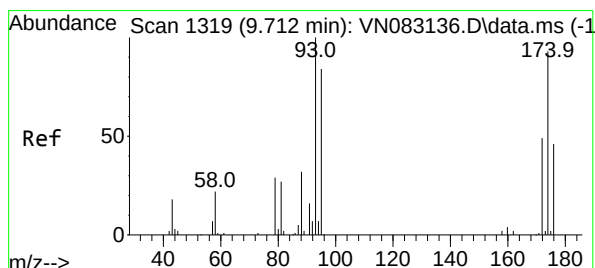
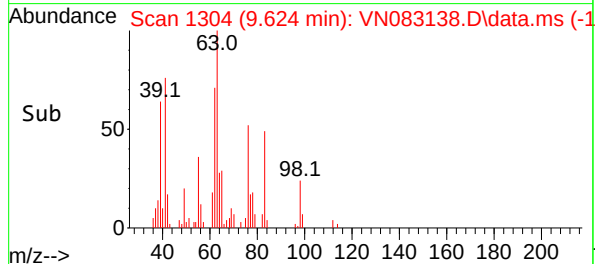
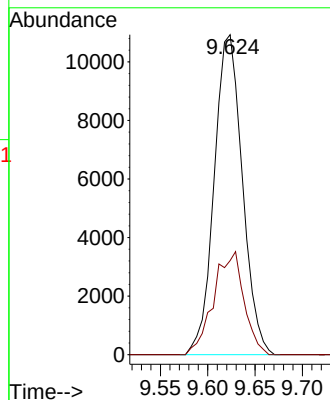
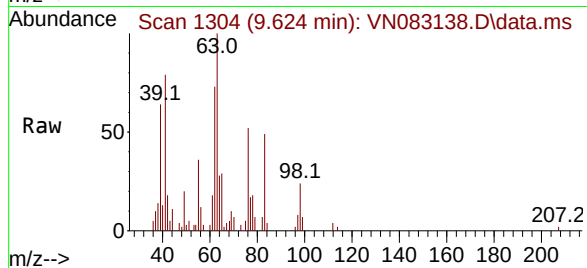
65 29.4 24.4 36.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#46

Dibromomethane

Concen: 10.041 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. -0.006 min

Lab File: VN083138.D

Acq: 07 Aug 2024 11:46

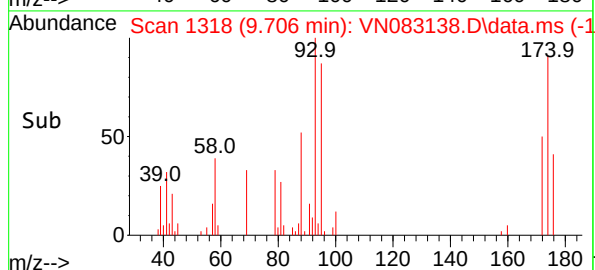
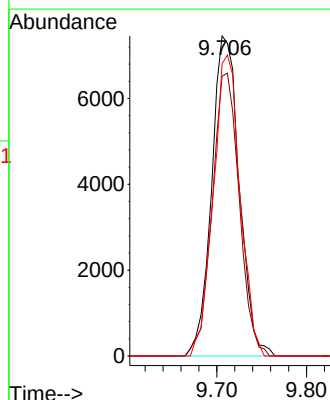
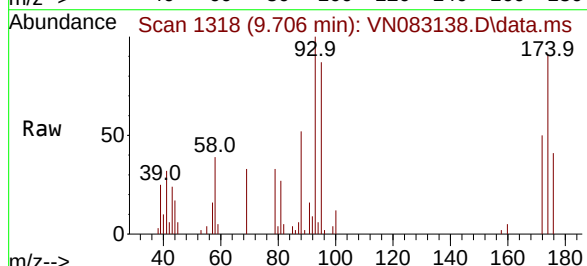
Tgt Ion: 93 Resp: 15937

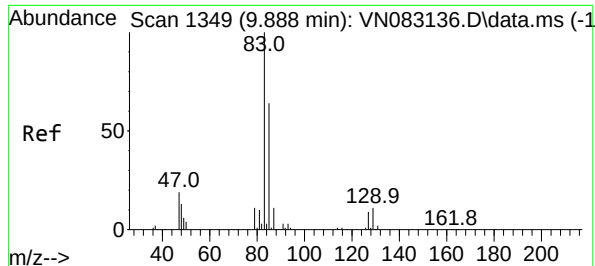
Ion Ratio Lower Upper

93 100

95 86.3 65.8 98.6

174 91.4 71.7 107.5





#47

Bromodichloromethane

Concen: 9.930 ug/l

RT: 9.888 min Scan# 1349

Delta R.T. -0.000 min

Lab File: VN083138.D

Acq: 07 Aug 2024 11:46

Instrument :

MSVOA_N

ClientSampleId :

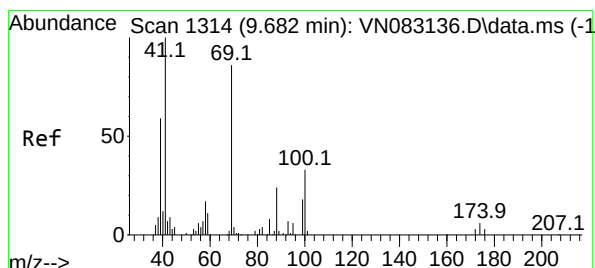
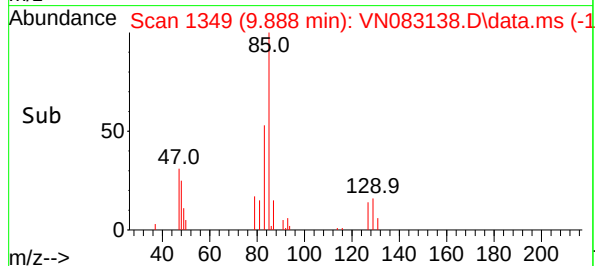
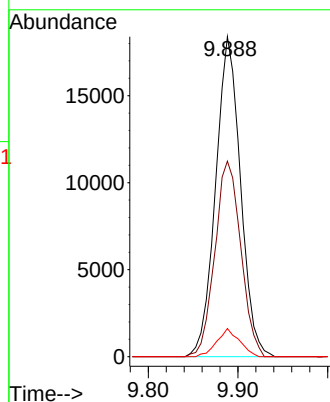
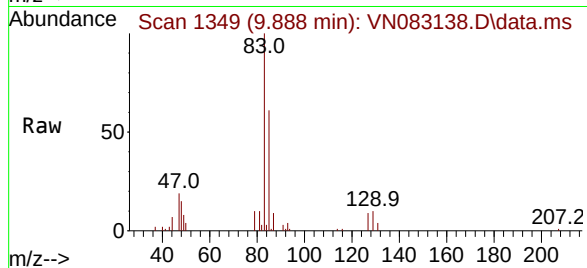
VSTDICC010

Tgt Ion:	83	Resp:	3538
Ion	Ratio	Lower	Upper
83	100		
85	61.1	51.1	76.7
127	8.8	7.2	10.8

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#48

Methyl methacrylate

Concen: 9.891 ug/l

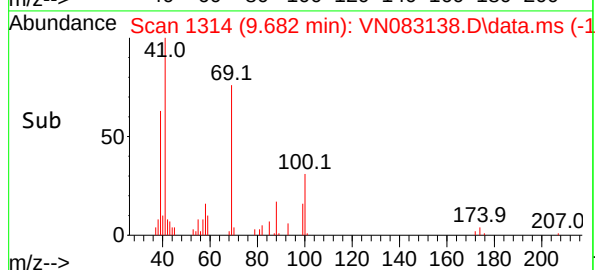
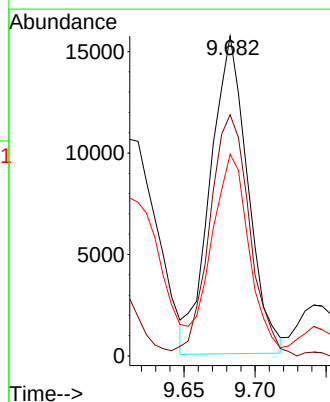
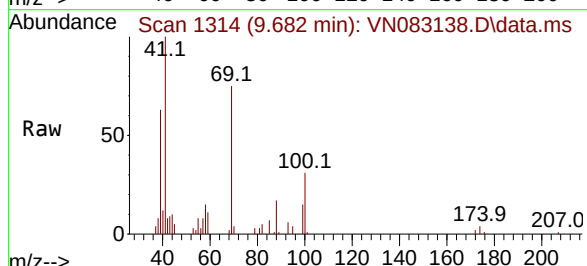
RT: 9.682 min Scan# 1314

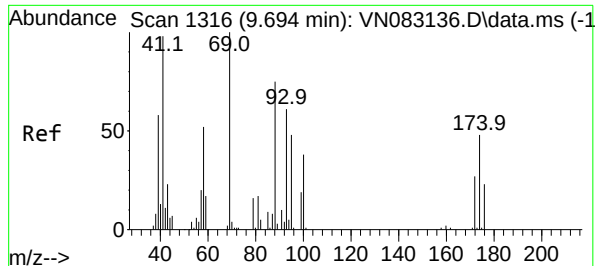
Delta R.T. -0.000 min

Lab File: VN083138.D

Acq: 07 Aug 2024 11:46

Tgt Ion:	41	Resp:	28711
Ion	Ratio	Lower	Upper
41	100		
69	81.0	56.3	84.5
39	63.6	50.3	75.5





#49

1,4-Dioxane

Concen: 201.364 ug/l

RT: 9.694 min Scan# 1316

Delta R.T. -0.000 min

Lab File: VN083138.D

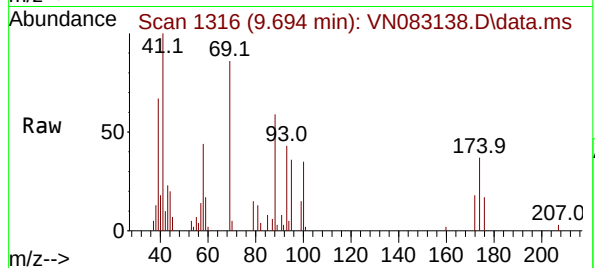
Acq: 07 Aug 2024 11:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC010

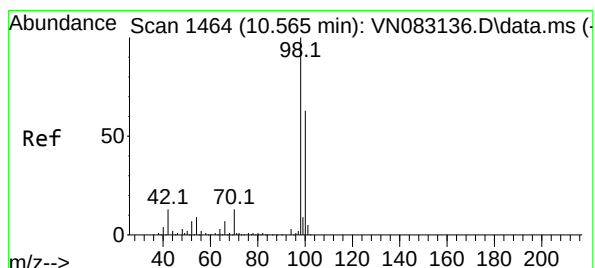
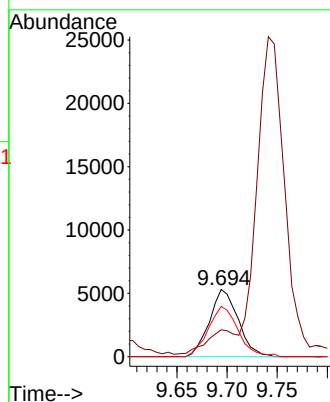
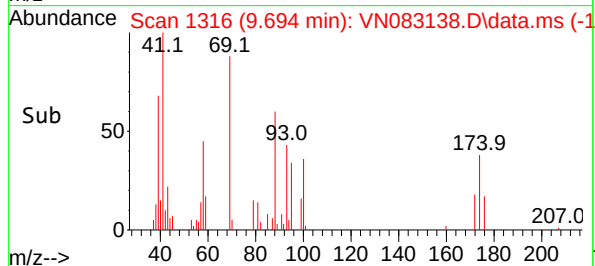


Tgt Ion:	88	Resp:	1054
Ion Ratio	Lower	Upper	
88	100		
43	39.2	27.8	41.8
58	77.8	59.4	89.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#50

Toluene-d8

Concen: 9.733 ug/l

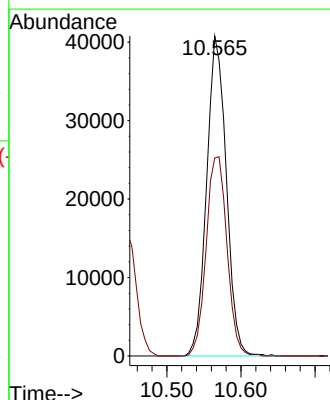
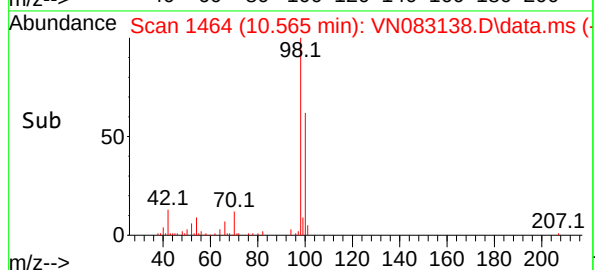
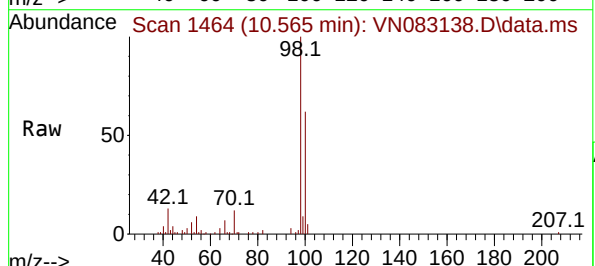
RT: 10.565 min Scan# 1464

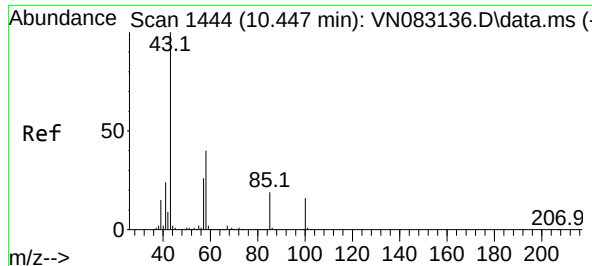
Delta R.T. -0.000 min

Lab File: VN083138.D

Acq: 07 Aug 2024 11:46

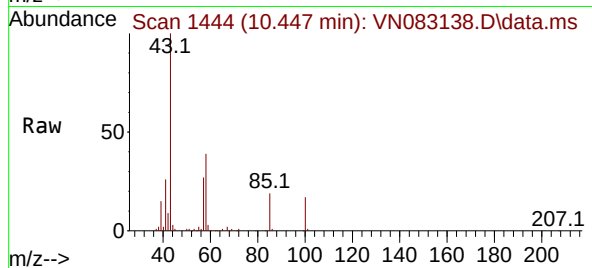
Tgt Ion:	98	Resp:	75261
Ion Ratio	Lower	Upper	
98	100		
100	66.0	51.5	77.3





#51
4-Methyl-2-Pentanone
Concen: 51.587 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN083138.D
Acq: 07 Aug 2024 11:46

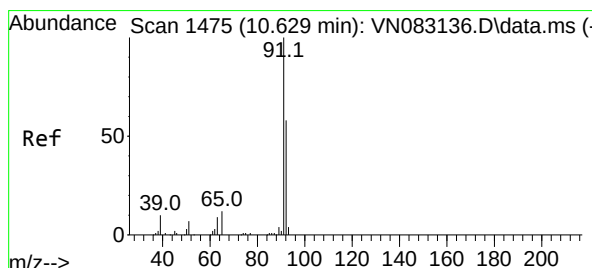
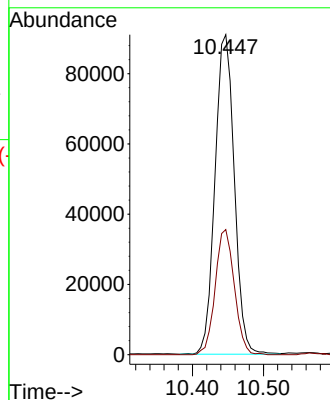
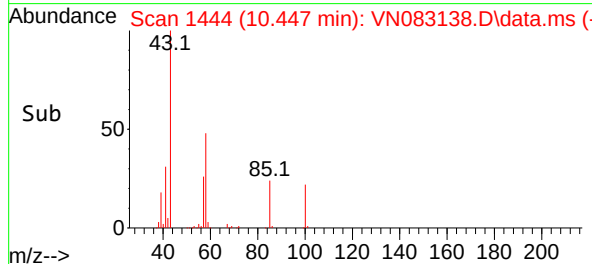
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010



Tgt Ion: 43 Resp: 17127
Ion Ratio Lower Upper
43 100
58 38.8 28.2 42.4

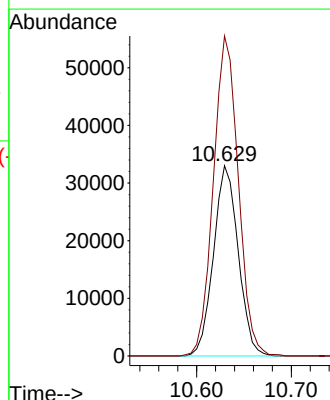
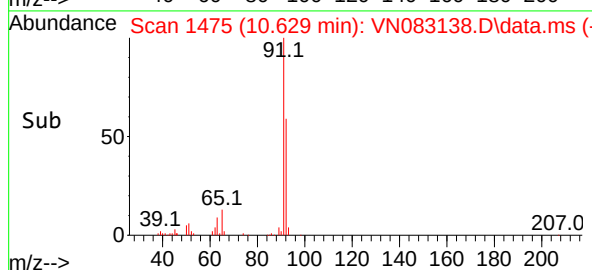
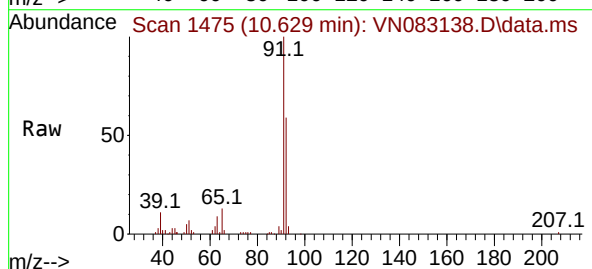
Manual Integrations
APPROVED

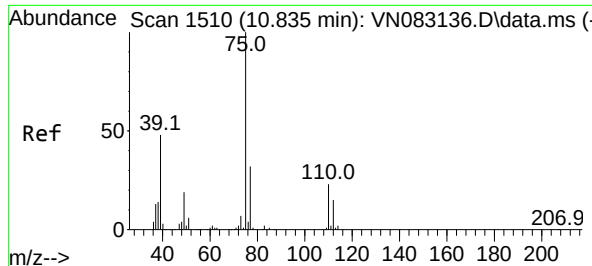
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#52
Toluene
Concen: 10.129 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN083138.D
Acq: 07 Aug 2024 11:46

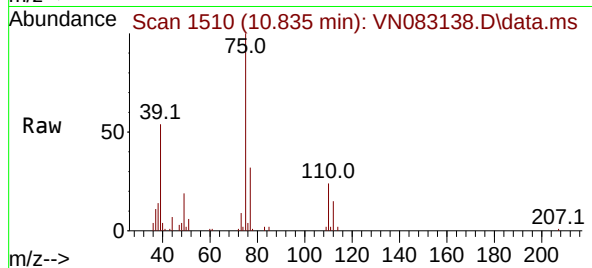
Tgt Ion: 92 Resp: 59784
Ion Ratio Lower Upper
92 100
91 170.0 139.4 209.0





#53
t-1,3-Dichloropropene
Concen: 10.017 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. -0.000 min
Lab File: VN083138.D
Acq: 07 Aug 2024 11:46

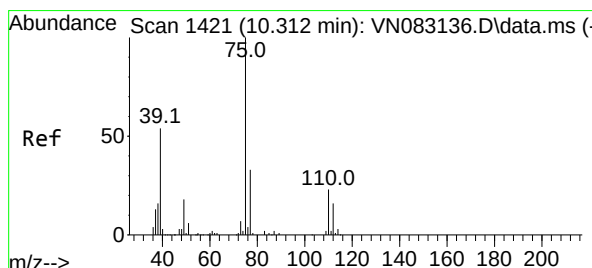
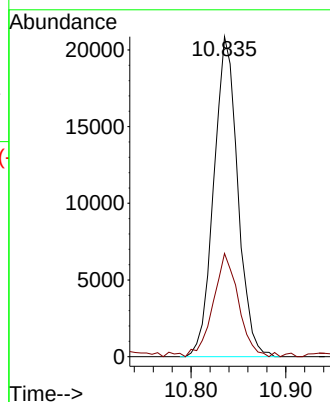
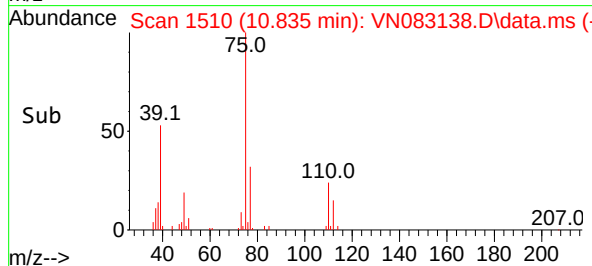
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010



Tgt Ion: 75 Resp: 36670
Ion Ratio Lower Upper
75 100
77 32.2 25.7 38.5

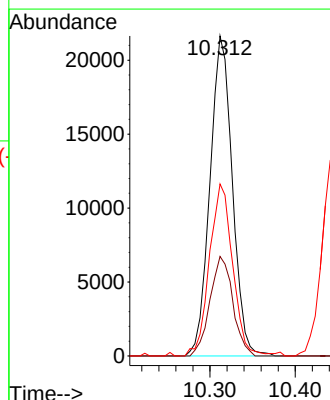
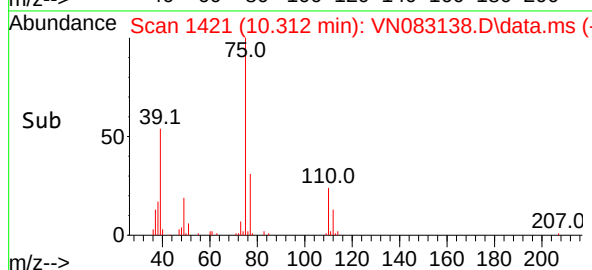
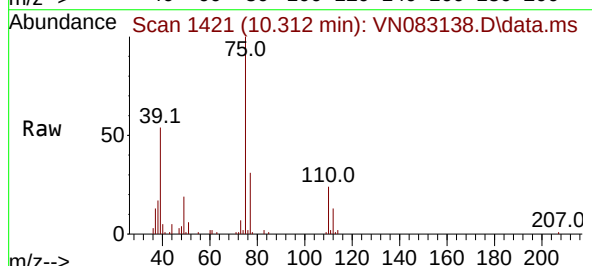
Manual Integrations
APPROVED

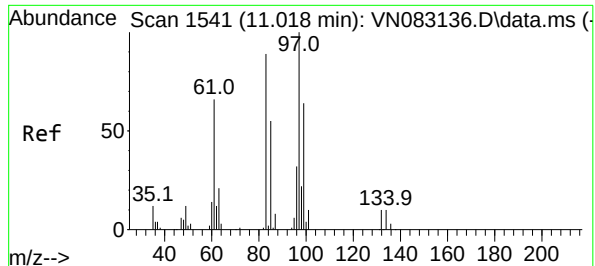
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#54
cis-1,3-Dichloropropene
Concen: 10.145 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.000 min
Lab File: VN083138.D
Acq: 07 Aug 2024 11:46

Tgt Ion: 75 Resp: 39503
Ion Ratio Lower Upper
75 100
77 31.1 24.3 36.5
39 53.8 50.5 75.7





#55

1,1,2-Trichloroethane

Concen: 10.274 ug/l

RT: 11.018 min Scan# 1541

Delta R.T. -0.000 min

Lab File: VN083138.D

Acq: 07 Aug 2024 11:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tgt Ion: 97 Resp: 2173

Ion Ratio Lower Upper

97 100

83 84.0 71.4 107.0

85 54.3 45.8 68.6

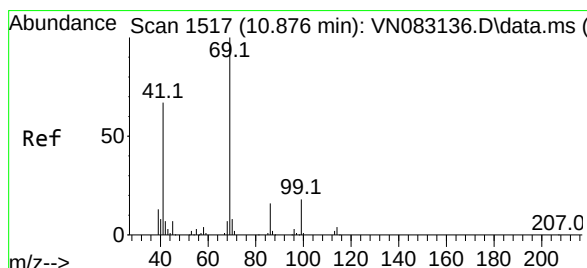
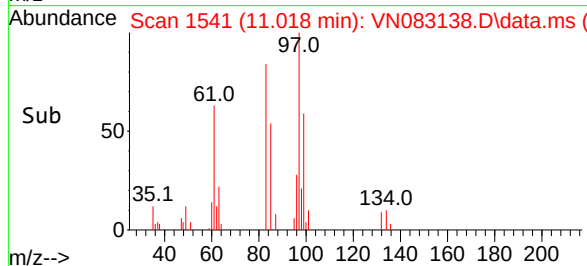
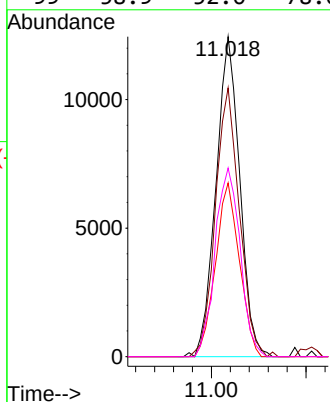
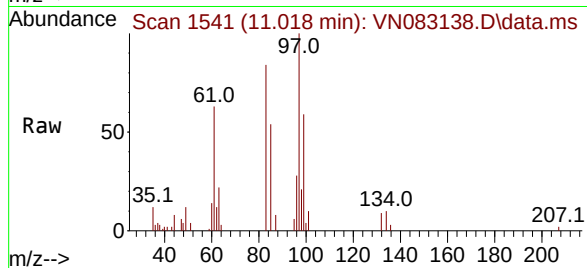
99 58.9 52.0 78.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#56

Ethyl methacrylate

Concen: 10.201 ug/l

RT: 10.871 min Scan# 1516

Delta R.T. -0.006 min

Lab File: VN083138.D

Acq: 07 Aug 2024 11:46

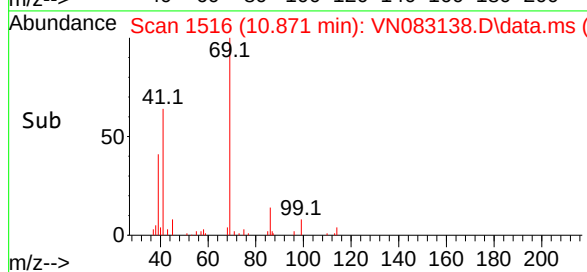
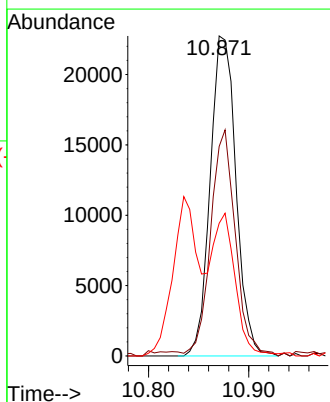
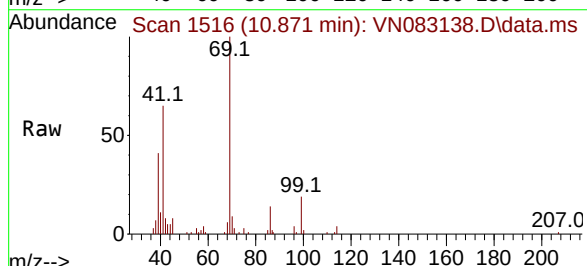
Tgt Ion: 69 Resp: 40676

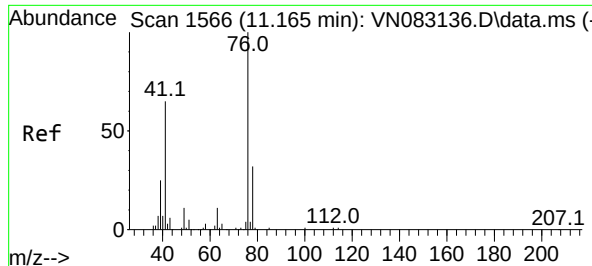
Ion Ratio Lower Upper

69 100

41 67.9 63.4 95.2

39 36.8 37.4 56.0#





#57

1,3-Dichloropropane

Concen: 10.132 ug/l

RT: 11.165 min Scan# 1566

Delta R.T. -0.000 min

Lab File: VN083138.D

Acq: 07 Aug 2024 11:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tgt Ion: 76 Resp: 38200

Ion Ratio Lower Upper

76 100

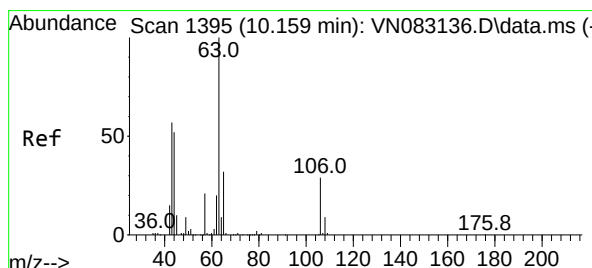
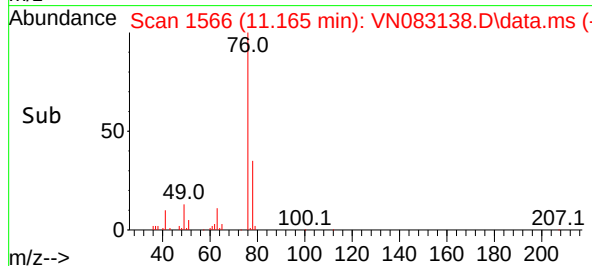
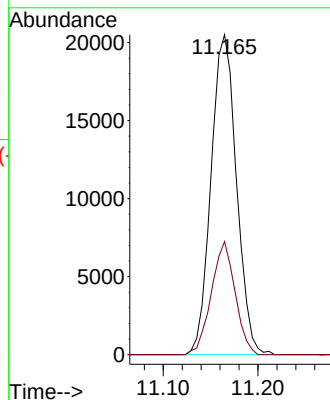
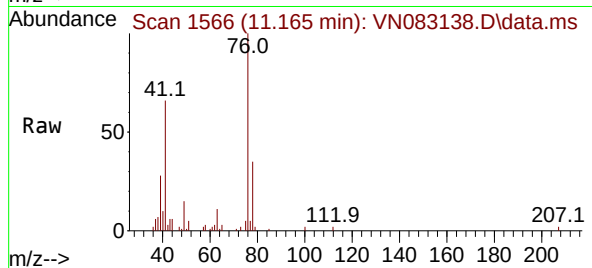
78 33.1 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#58

2-Chloroethyl Vinyl ether

Concen: 51.698 ug/l

RT: 10.159 min Scan# 1395

Delta R.T. -0.000 min

Lab File: VN083138.D

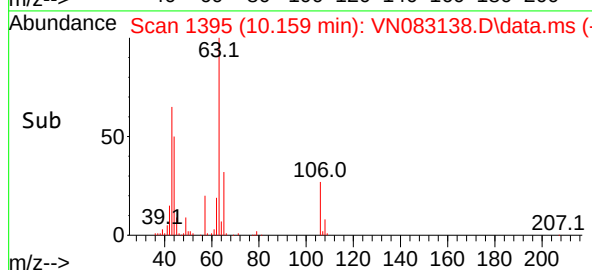
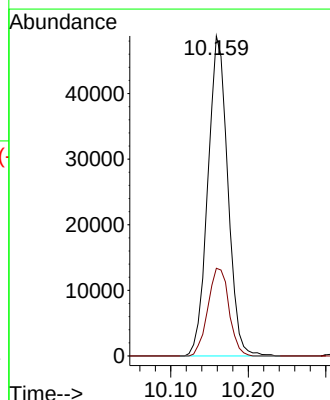
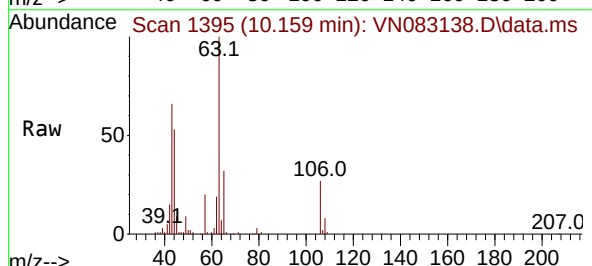
Acq: 07 Aug 2024 11:46

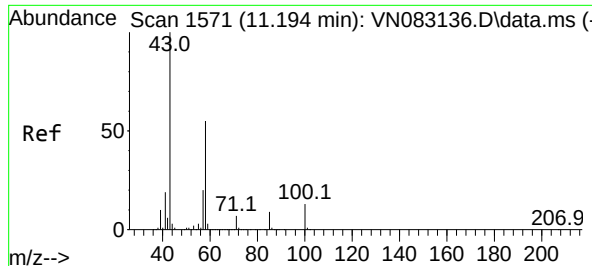
Tgt Ion: 63 Resp: 87140

Ion Ratio Lower Upper

63 100

106 28.9 21.4 32.0





#59

2-Hexanone

Concen: 50.312 ug/l

RT: 11.194 min Scan# 1571

Delta R.T. -0.000 min

Lab File: VN083138.D

Acq: 07 Aug 2024 11:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC010

Tgt Ion: 43 Resp: 12923

Ion Ratio Lower Upper

43 100

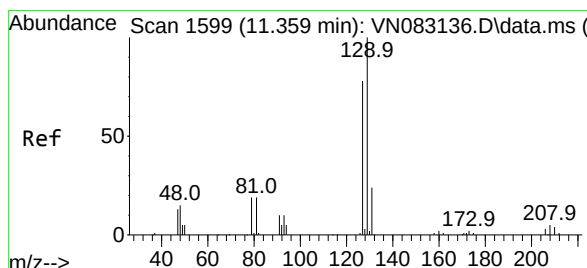
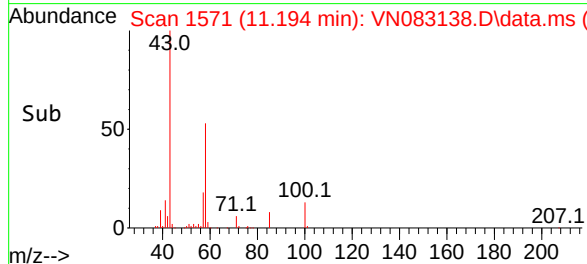
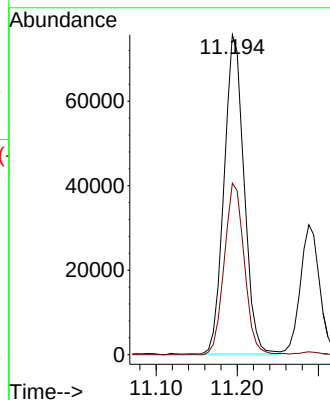
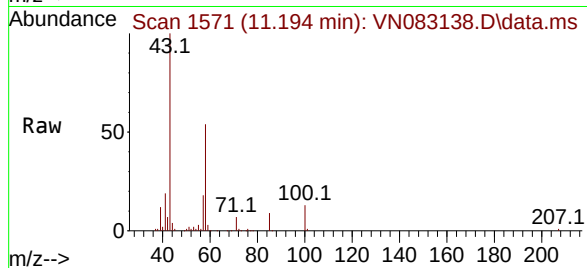
58 54.0 24.6 73.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#60

Dibromochloromethane

Concen: 10.088 ug/l

RT: 11.359 min Scan# 1599

Delta R.T. -0.000 min

Lab File: VN083138.D

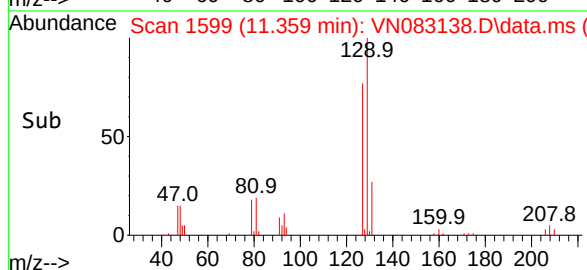
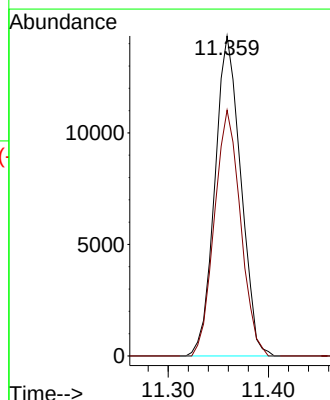
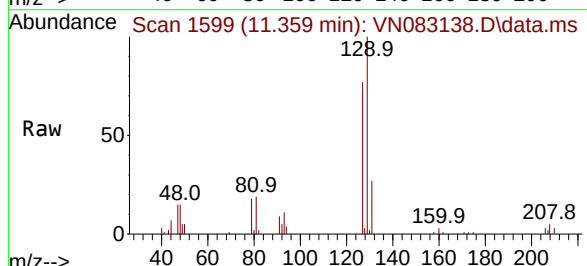
Acq: 07 Aug 2024 11:46

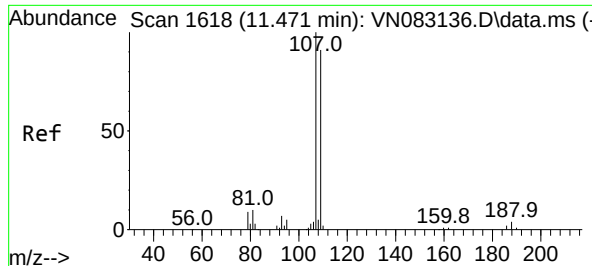
Tgt Ion:129 Resp: 25798

Ion Ratio Lower Upper

129 100

127 77.5 39.2 117.6





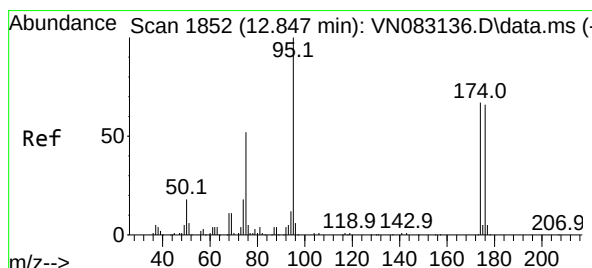
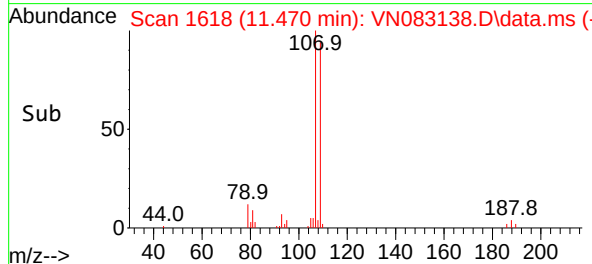
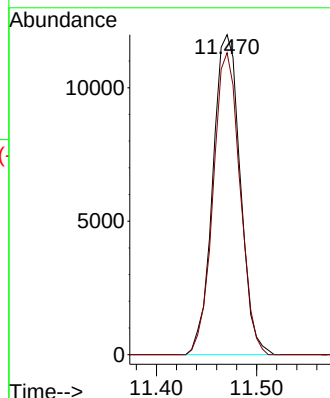
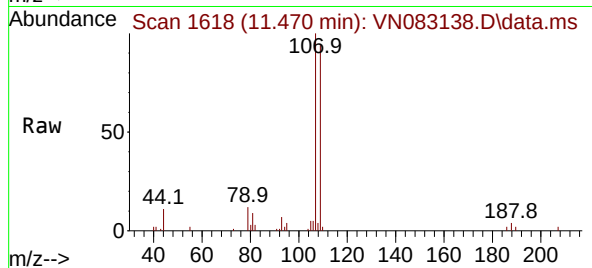
#61
1,2-Dibromoethane
Concen: 10.219 ug/l
RT: 11.470 min Scan# 1618
Delta R.T. -0.000 min
Lab File: VN083138.D
Acq: 07 Aug 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

Tgt Ion:107 Resp: 2270
Ion Ratio Lower Upper
107 100
109 92.7 73.7 110.5

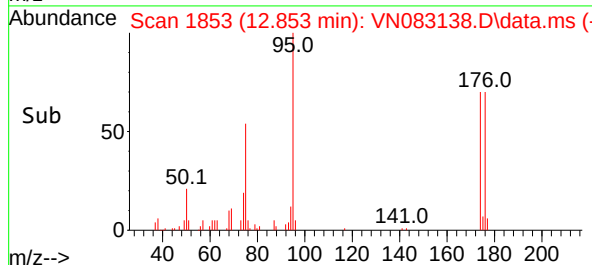
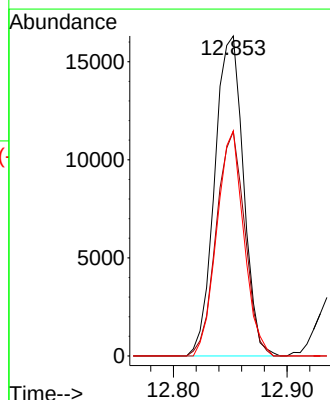
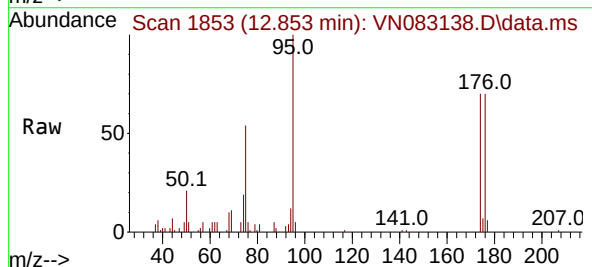
Manual Integrations
APPROVED

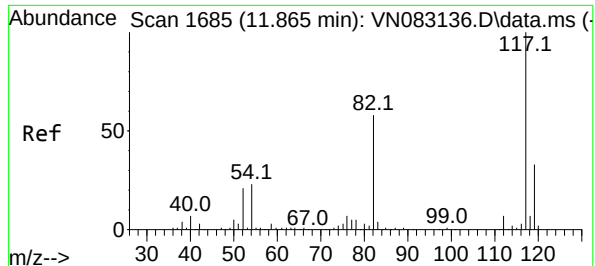
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#62
4-Bromofluorobenzene
Concen: 9.517 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN083138.D
Acq: 07 Aug 2024 11:46

Tgt Ion: 95 Resp: 28691
Ion Ratio Lower Upper
95 100
174 69.5 0.0 159.2
176 66.2 0.0 147.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN083138.D

Acq: 07 Aug 2024 11:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC010

Tgt Ion:117 Resp: 279409

Ion Ratio Lower Upper

117 100

82 60.2 47.5 71.3

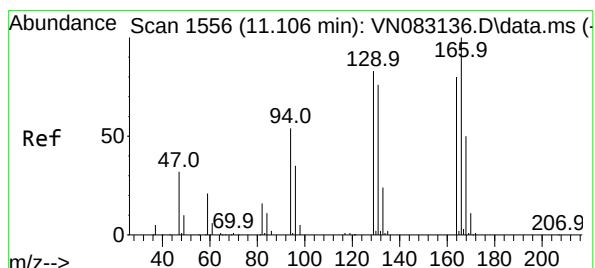
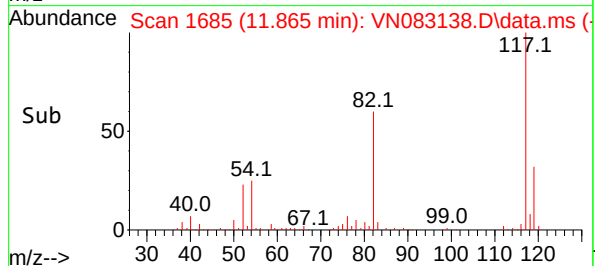
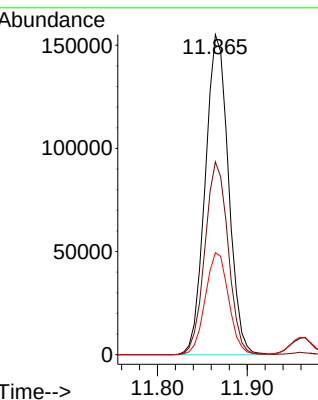
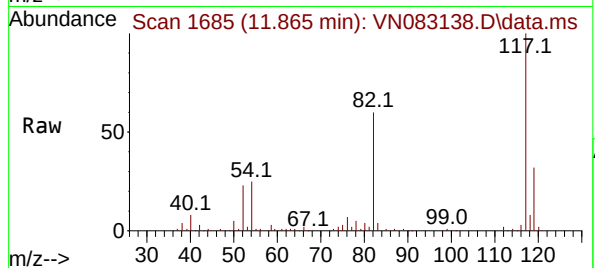
119 31.9 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#64

Tetrachloroethene

Concen: 10.362 ug/l

RT: 11.106 min Scan# 1556

Delta R.T. -0.000 min

Lab File: VN083138.D

Acq: 07 Aug 2024 11:46

Tgt Ion:164 Resp: 19174

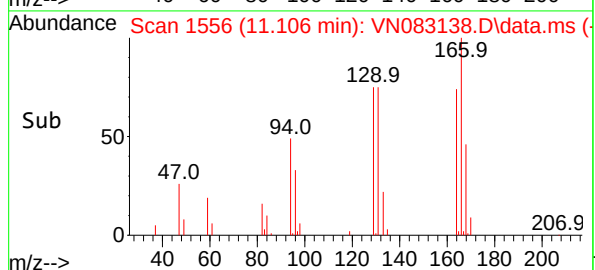
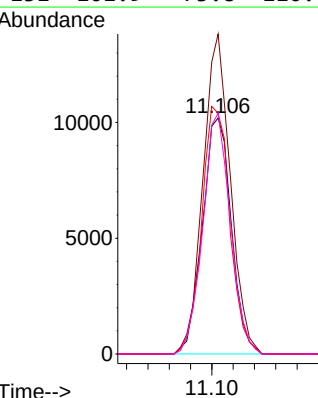
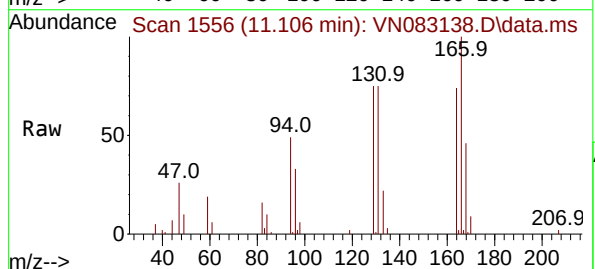
Ion Ratio Lower Upper

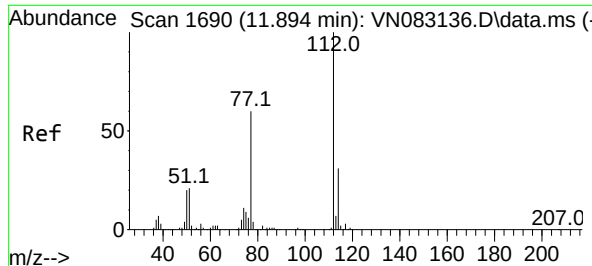
164 100

166 135.5 101.4 152.0

129 102.0 75.7 113.5

131 101.9 73.8 110.6





#65

Chlorobenzene

Concen: 10.437 ug/l

RT: 11.894 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN083138.D

Acq: 07 Aug 2024 11:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC010

Tgt Ion:112 Resp: 6444

Ion Ratio Lower Upper

112 100

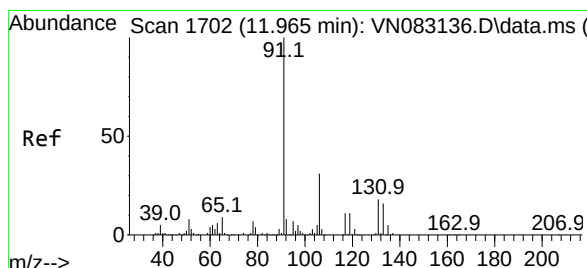
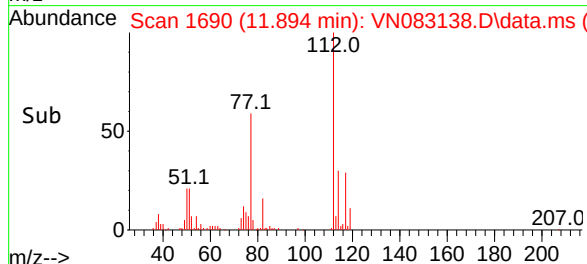
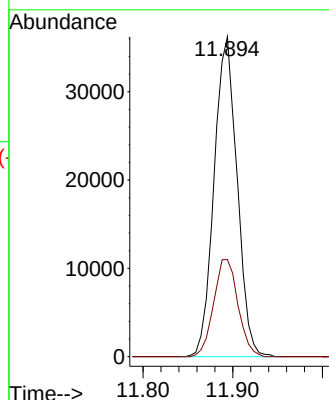
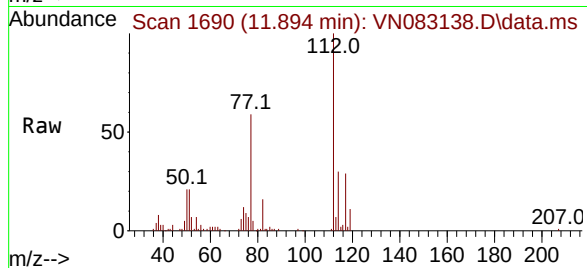
114 30.4 26.2 39.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#66

1,1,1,2-Tetrachloroethane

Concen: 10.331 ug/l

RT: 11.965 min Scan# 1702

Delta R.T. -0.000 min

Lab File: VN083138.D

Acq: 07 Aug 2024 11:46

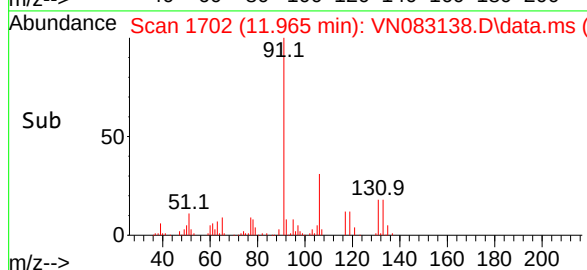
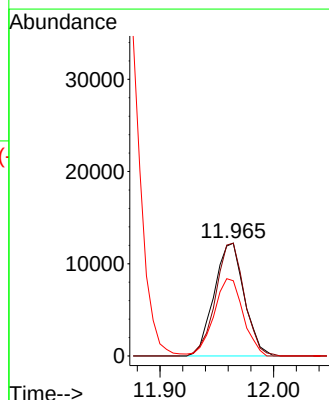
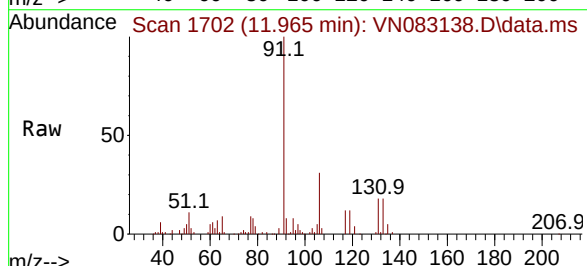
Tgt Ion:131 Resp: 22498

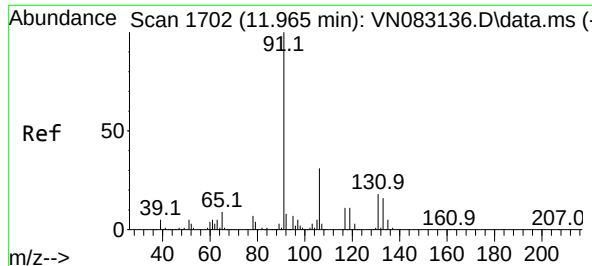
Ion Ratio Lower Upper

131 100

133 95.7 47.3 142.0

119 66.5 32.5 97.4





#67

Ethyl Benzene

Concen: 10.211 ug/l

RT: 11.965 min Scan# 1702

Delta R.T. -0.000 min

Lab File: VN083138.D

Acq: 07 Aug 2024 11:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC010

Tgt Ion: 91 Resp: 115664

Ion Ratio Lower Upper

91 100

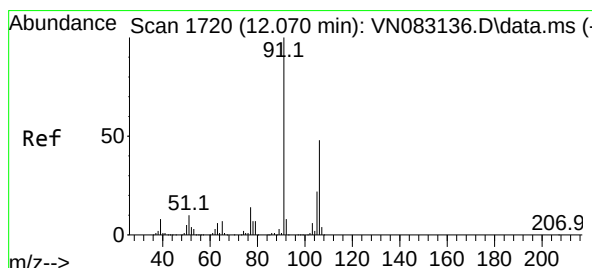
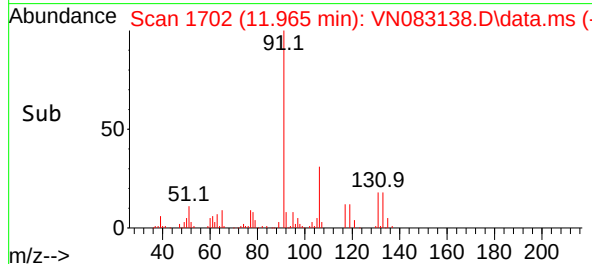
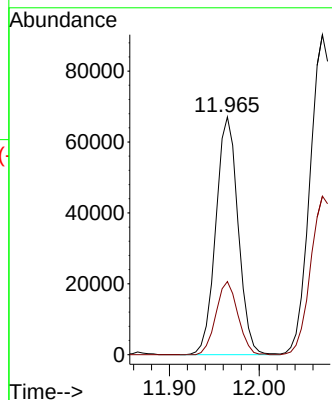
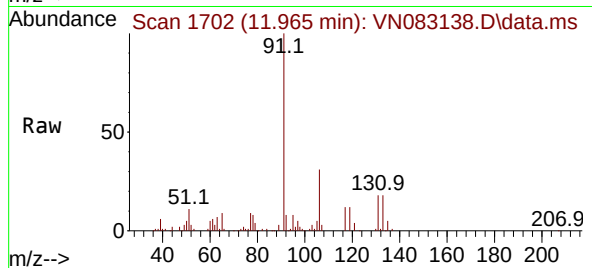
106 30.7 24.0 36.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#68

m/p-Xylenes

Concen: 20.687 ug/l

RT: 12.070 min Scan# 1720

Delta R.T. -0.000 min

Lab File: VN083138.D

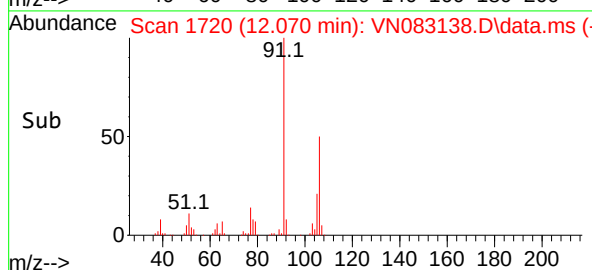
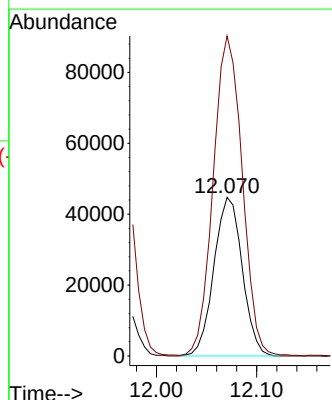
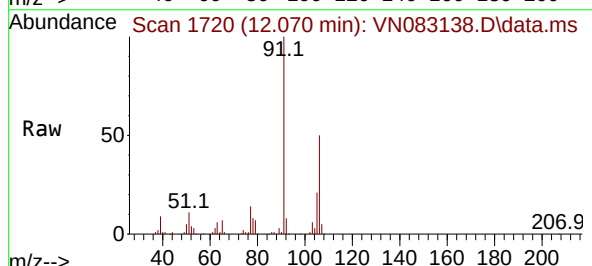
Acq: 07 Aug 2024 11:46

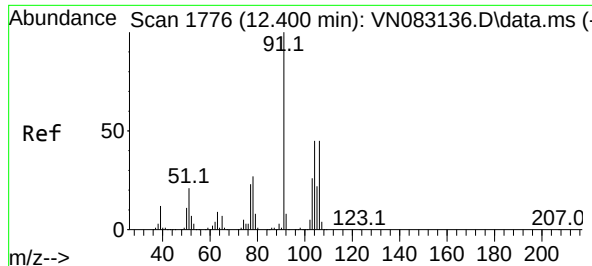
Tgt Ion:106 Resp: 87775

Ion Ratio Lower Upper

106 100

91 206.9 166.1 249.1





#69

o-Xylene

Concen: 10.327 ug/l

RT: 12.400 min Scan# 1776

Delta R.T. -0.000 min

Lab File: VN083138.D

Acq: 07 Aug 2024 11:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC010

Tgt Ion:106 Resp: 43210

Ion Ratio Lower Upper

106 100

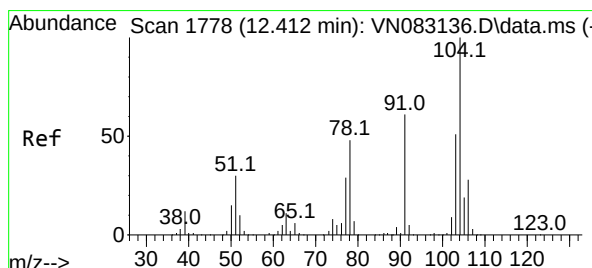
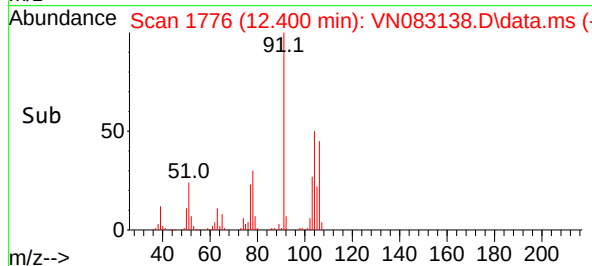
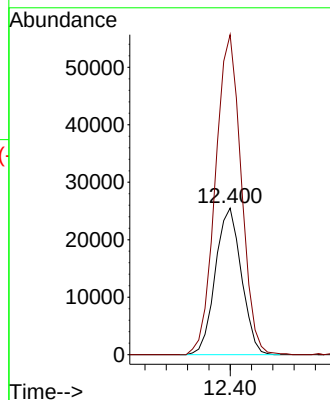
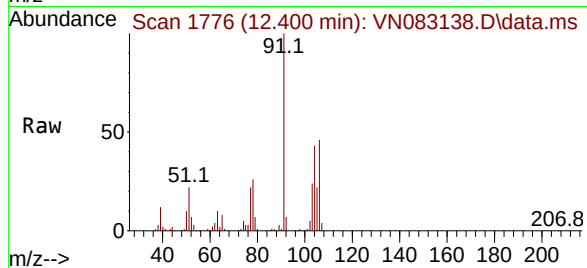
91 217.0 111.3 333.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#70

Styrene

Concen: 10.335 ug/l

RT: 12.412 min Scan# 1778

Delta R.T. -0.000 min

Lab File: VN083138.D

Acq: 07 Aug 2024 11:46

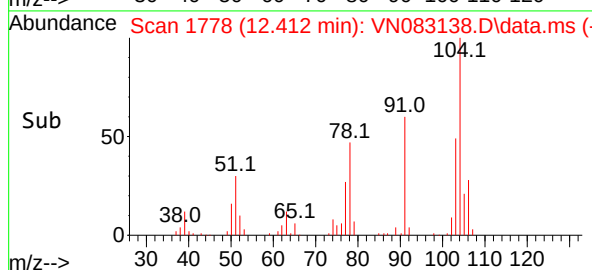
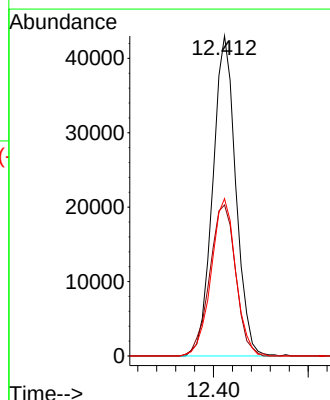
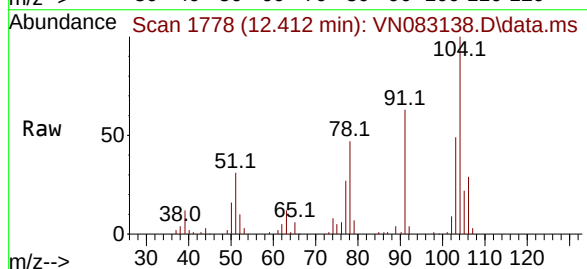
Tgt Ion:104 Resp: 72641

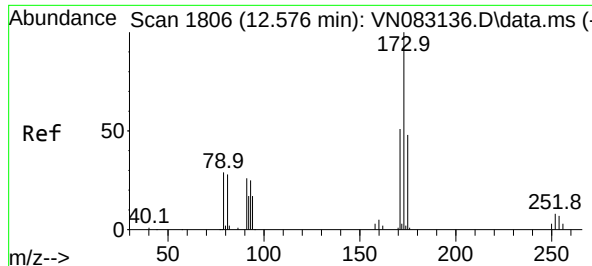
Ion Ratio Lower Upper

104 100

78 53.1 41.6 62.4

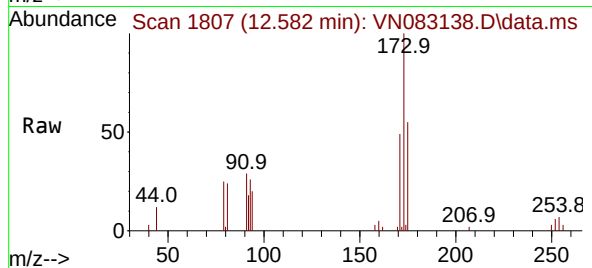
103 52.2 44.0 66.0





#71
Bromoform
Concen: 9.893 ug/l
RT: 12.582 min Scan# 1806
Delta R.T. 0.006 min
Lab File: VN083138.D
Acq: 07 Aug 2024 11:46

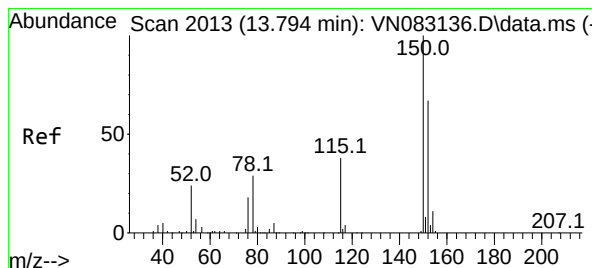
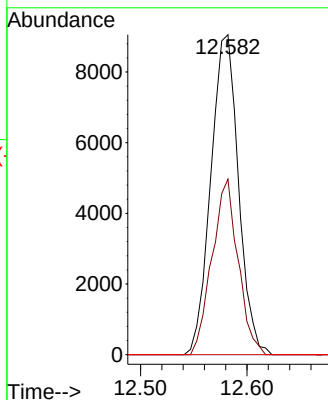
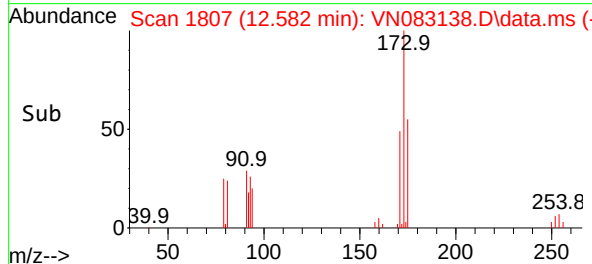
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010



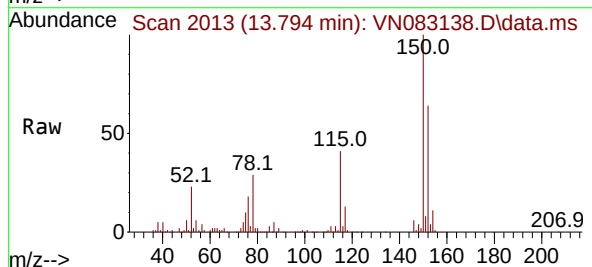
Tgt Ion:173 Resp: 16320
Ion Ratio Lower Upper
173 100
175 51.7 24.0 72.0
254 0.0 0.0 0.0

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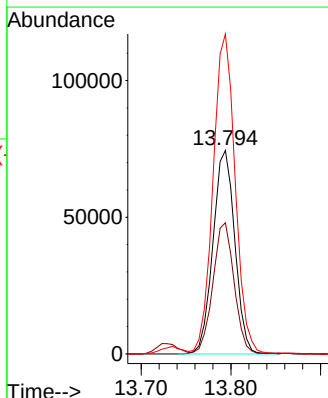
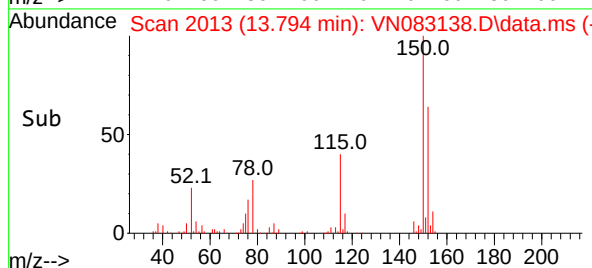
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024

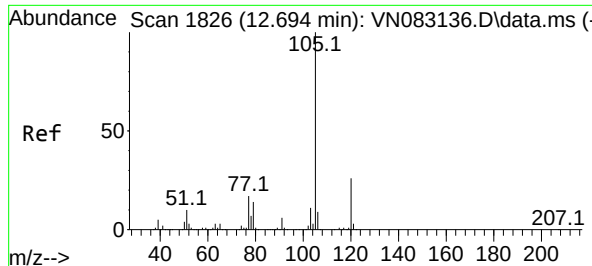


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN083138.D
Acq: 07 Aug 2024 11:46



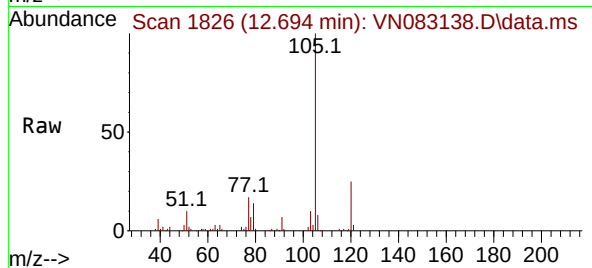
Tgt Ion:152 Resp: 125725
Ion Ratio Lower Upper
152 100
115 62.4 30.6 91.6
150 158.1 0.0 348.6





#73
Isopropylbenzene
Concen: 10.487 ug/l
RT: 12.694 min Scan# 11027
Delta R.T. -0.000 min
Lab File: VN083138.D
Acq: 07 Aug 2024 11:46

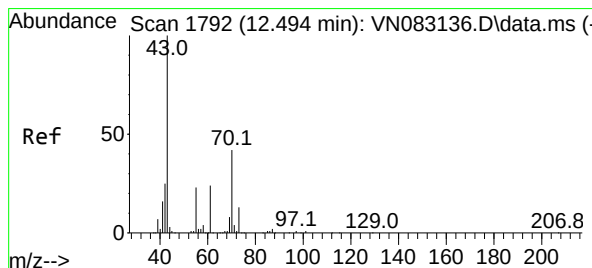
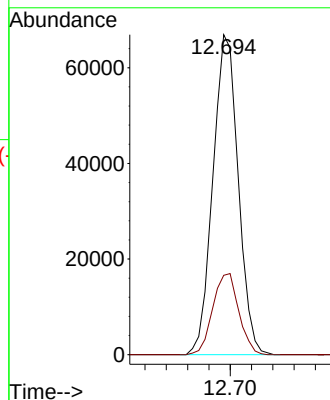
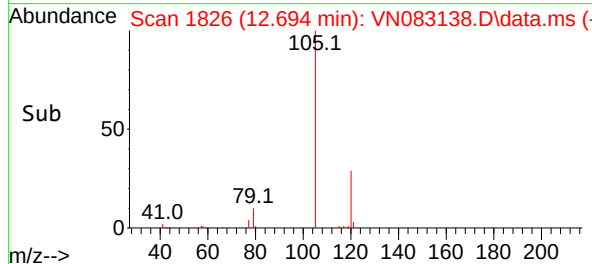
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010



Tgt Ion: 105 Resp: 11027
Ion Ratio Lower Upper
105 100
120 26.0 12.9 38.6

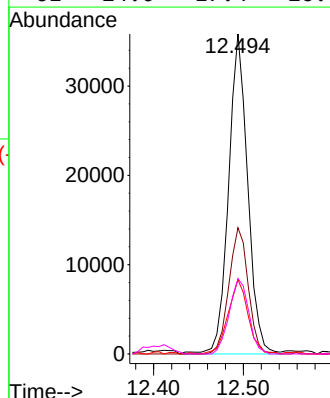
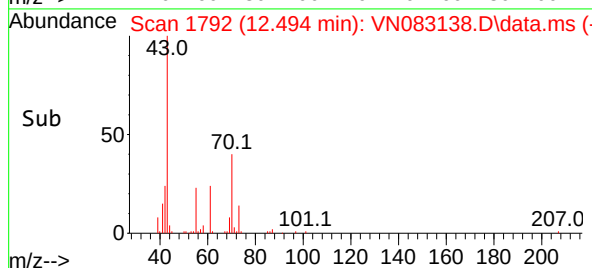
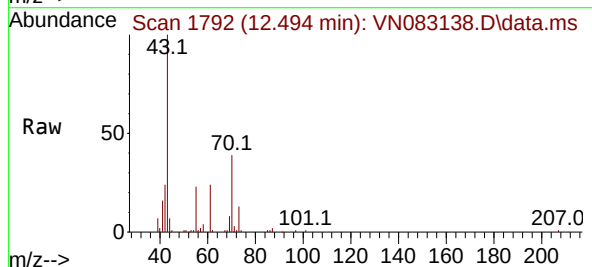
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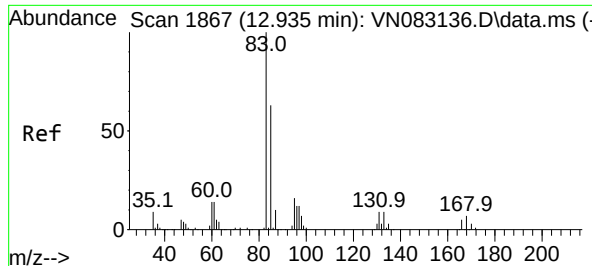
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#74
N-ethyl acetate
Concen: 10.303 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN083138.D
Acq: 07 Aug 2024 11:46

Tgt Ion: 43 Resp: 52998
Ion Ratio Lower Upper
43 100
70 39.8 29.8 44.6
55 24.3 18.7 28.1
61 24.0 17.4 26.0





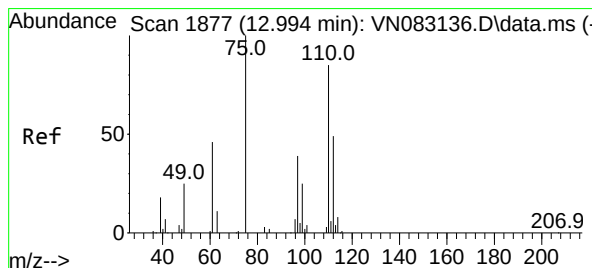
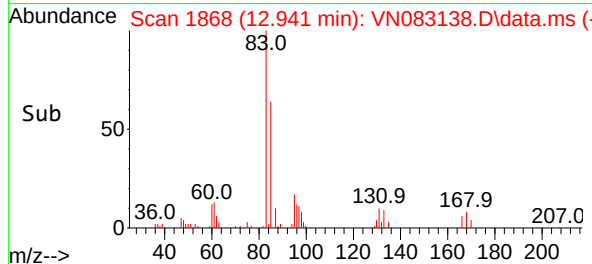
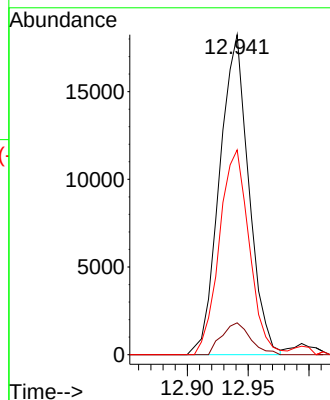
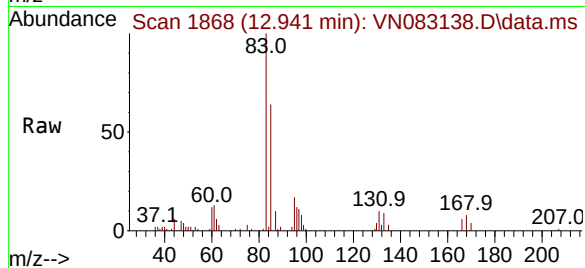
#75
1,1,2,2-Tetrachloroethane
Concen: 10.234 ug/l
RT: 12.941 min Scan# 1868
Delta R.T. 0.006 min
Lab File: VN083138.D
Acq: 07 Aug 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:	83	Resp:	30438
Ion Ratio	Lower	Upper	
83	100		
131	9.8	5.0	14.9
85	65.6	31.9	95.7

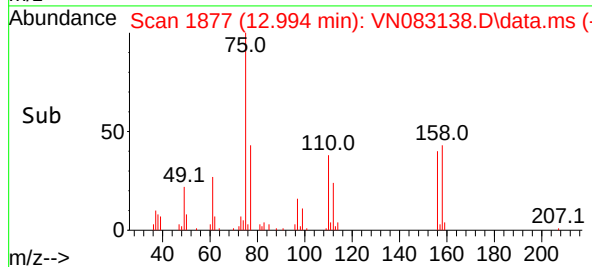
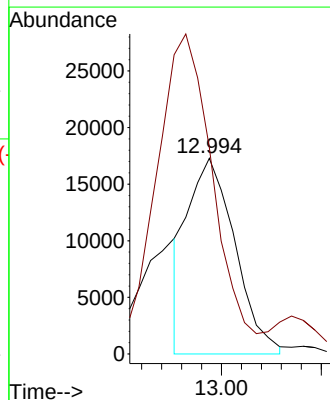
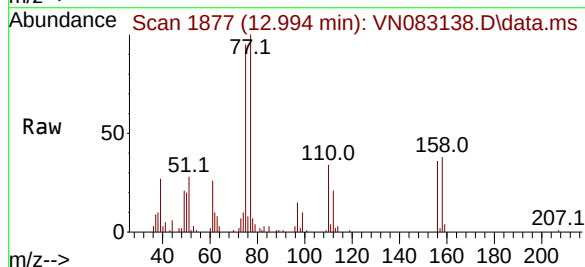
Manual Integrations
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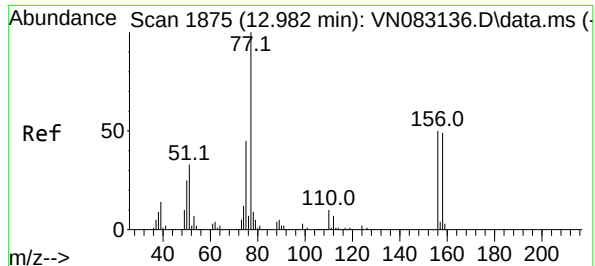
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#76
1,2,3-Trichloropropane
Concen: 10.261 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. -0.000 min
Lab File: VN083138.D
Acq: 07 Aug 2024 11:46

Tgt Ion:	75	Resp:	28359
Ion Ratio	Lower	Upper	
75	100		
77	197.9	110.9	332.6





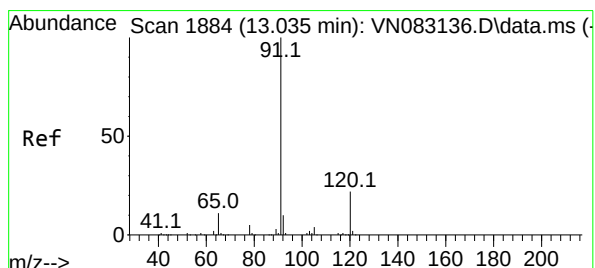
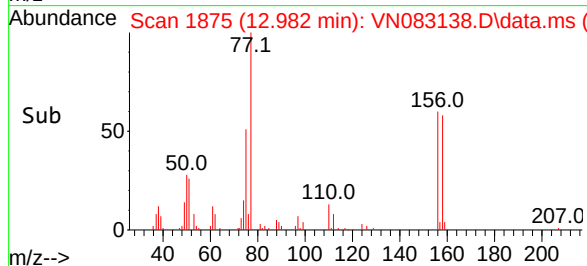
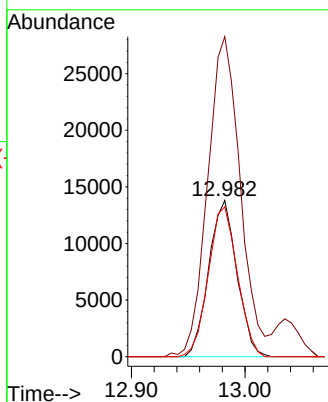
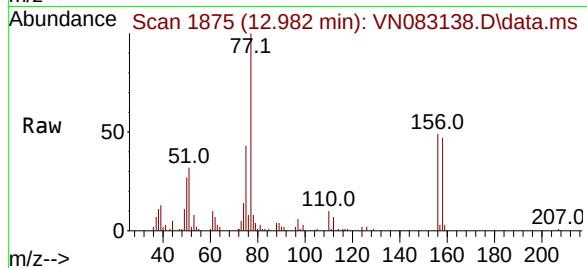
#77
Bromobenzene
Concen: 10.180 ug/l
RT: 12.982 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VN083138.D
Acq: 07 Aug 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:156 Resp: 2378
Ion Ratio Lower Upper
156 100
77 236.0 111.3 333.8
158 98.9 48.3 144.9

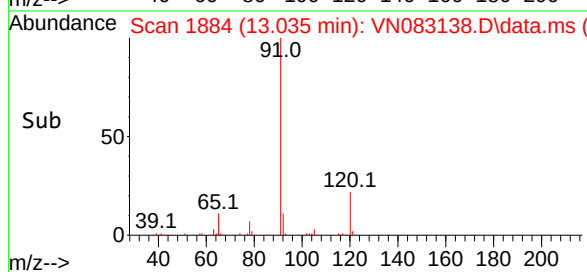
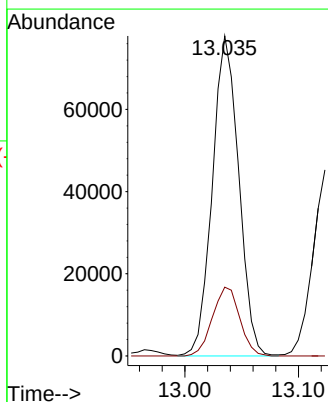
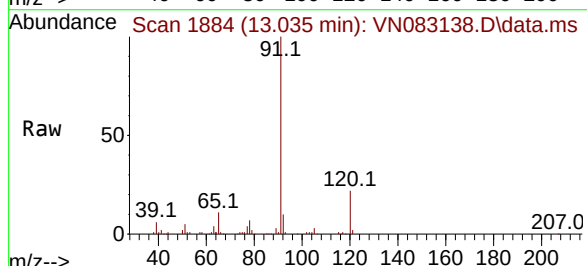
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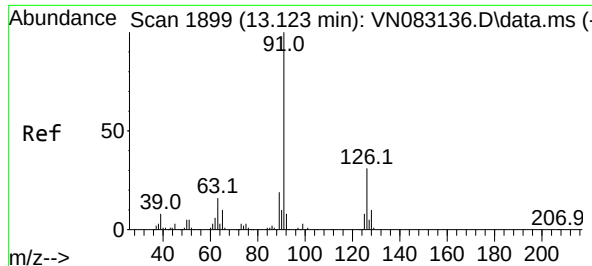
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#78
n-propylbenzene
Concen: 10.379 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN083138.D
Acq: 07 Aug 2024 11:46

Tgt Ion: 91 Resp: 125678
Ion Ratio Lower Upper
91 100
120 22.2 10.9 32.9





#79

2-Chlorotoluene

Concen: 10.429 ug/l

RT: 13.123 min Scan# 1899

Delta R.T. -0.000 min

Lab File: VN083138.D

Acq: 07 Aug 2024 11:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tgt Ion: 91 Resp: 8006

Ion Ratio Lower Upper

91 100

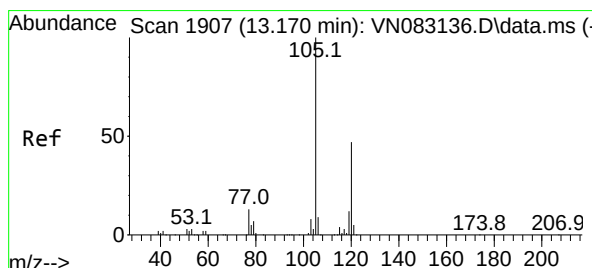
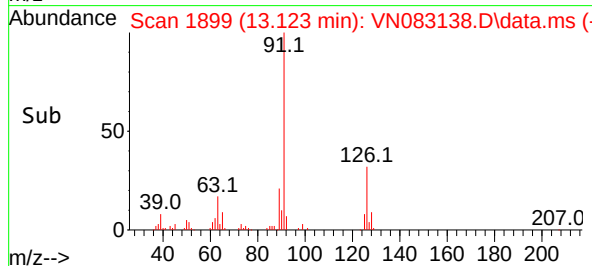
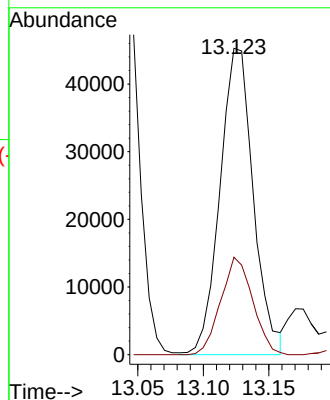
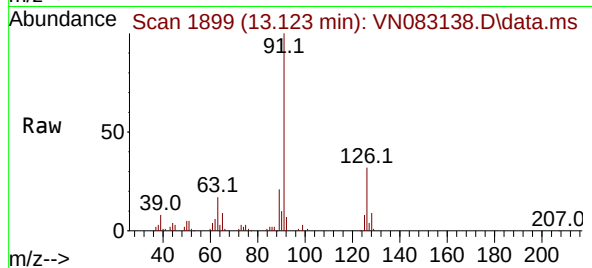
126 30.4 16.2 48.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#80

1,3,5-Trimethylbenzene

Concen: 10.400 ug/l

RT: 13.176 min Scan# 1908

Delta R.T. 0.006 min

Lab File: VN083138.D

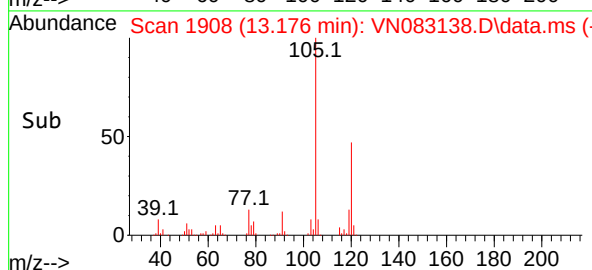
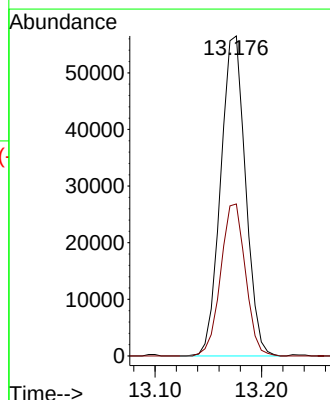
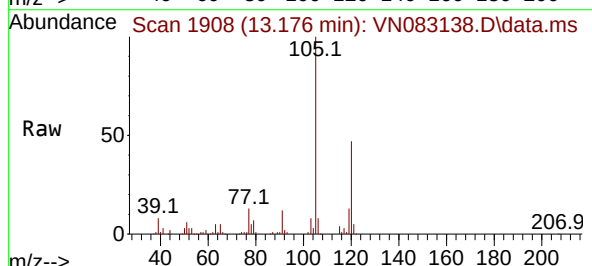
Acq: 07 Aug 2024 11:46

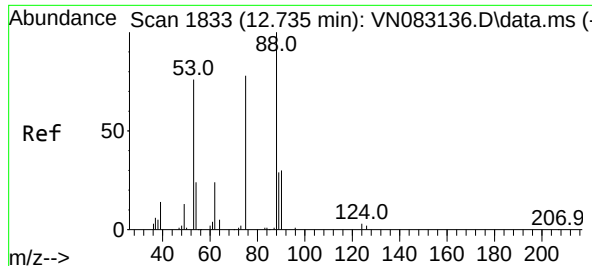
Tgt Ion:105 Resp: 91559

Ion Ratio Lower Upper

105 100

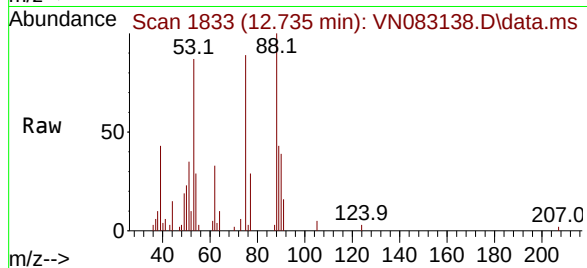
120 47.3 24.3 72.8





#81
trans-1,4-Dichloro-2-butene
Concen: 9.271 ug/l
RT: 12.735 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN083138.D
Acq: 07 Aug 2024 11:46

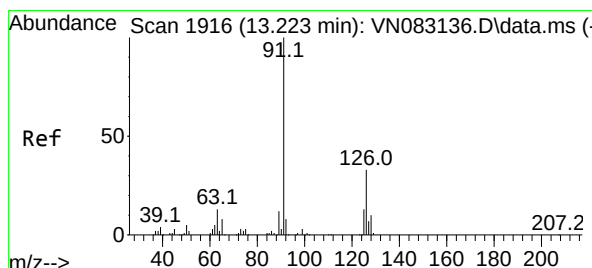
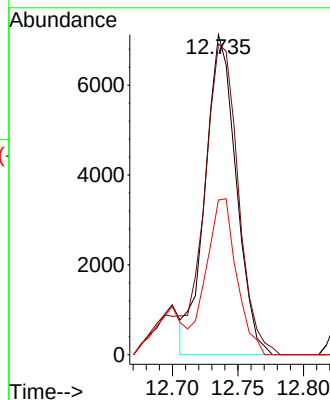
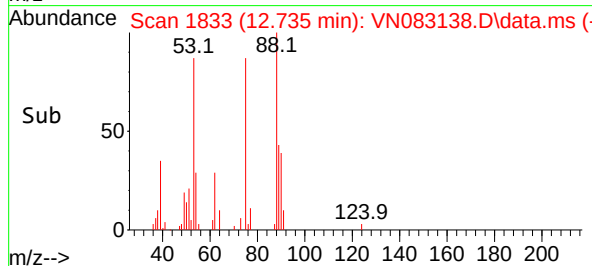
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010



Tgt Ion: 75 Resp: 11760
Ion Ratio Lower Upper
75 100
53 116.7 88.4 132.6
89 47.3 36.3 54.5

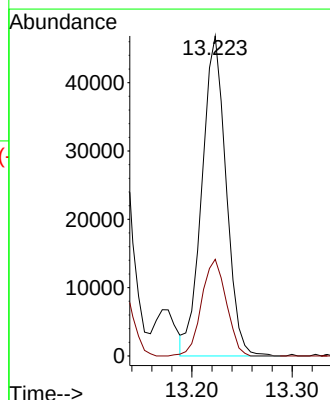
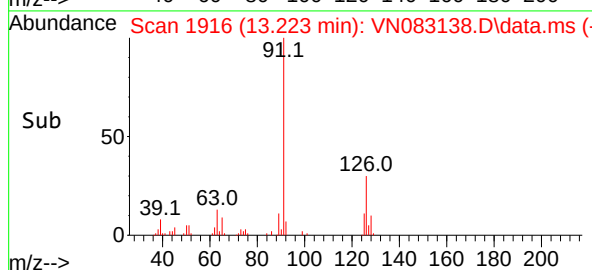
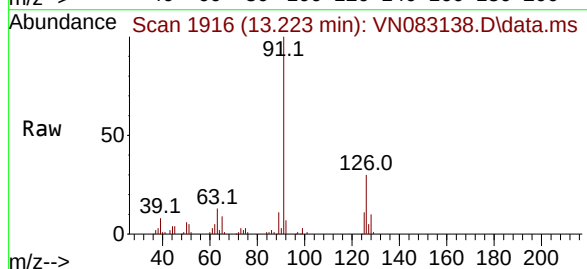
Manual Integrations
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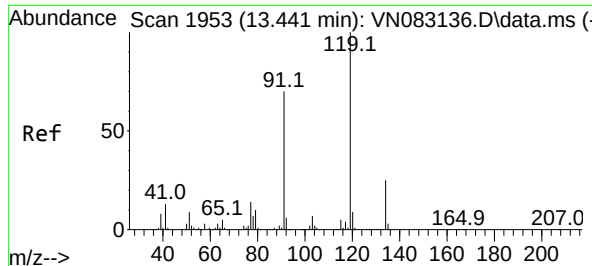
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#82
4-Chlorotoluene
Concen: 10.174 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. -0.000 min
Lab File: VN083138.D
Acq: 07 Aug 2024 11:46

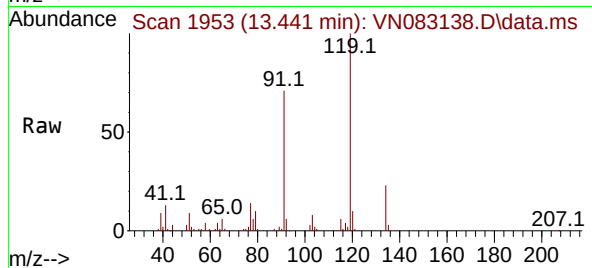
Tgt Ion: 91 Resp: 78348
Ion Ratio Lower Upper
91 100
126 31.0 16.2 48.6





#83
tert-Butylbenzene
Concen: 10.294 ug/l
RT: 13.441 min Scan# 1953
Delta R.T. -0.000 min
Lab File: VN083138.D
Acq: 07 Aug 2024 11:46

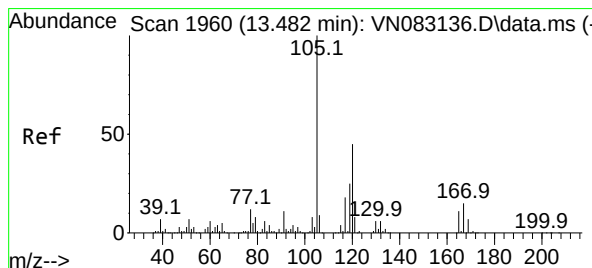
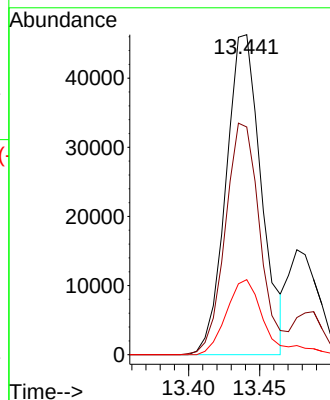
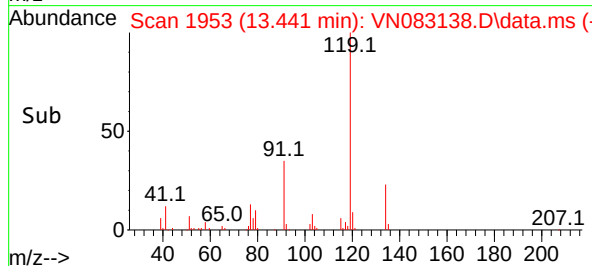
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010



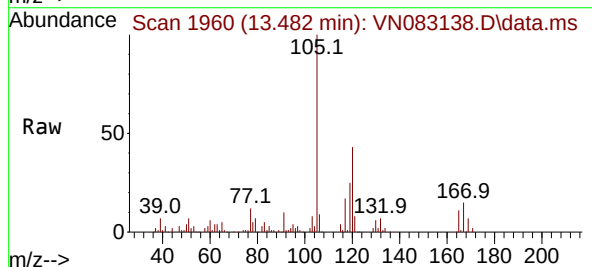
Tgt Ion:119 Resp: 8026
Ion Ratio Lower Upper
119 100
91 71.7 35.0 105.1
134 25.3 13.3 39.8

Manual Integrations
APPROVED

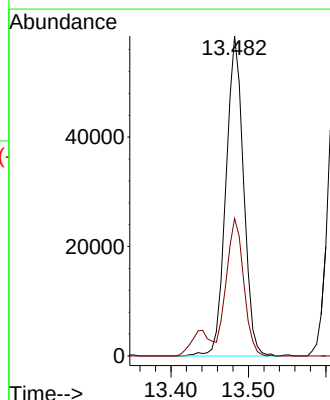
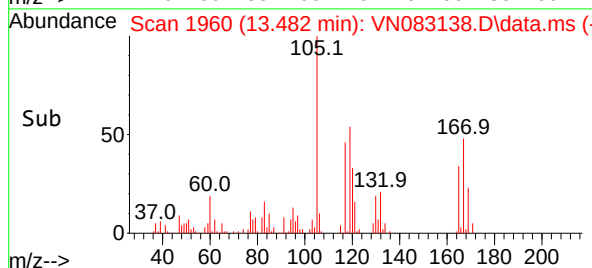
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024

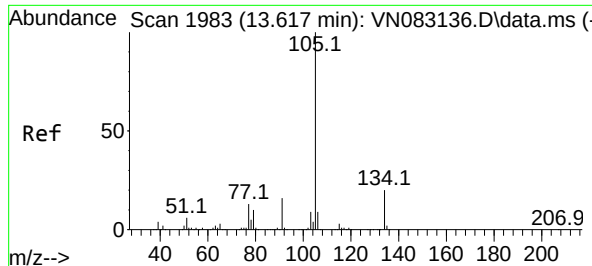


#84
1,2,4-Trimethylbenzene
Concen: 10.426 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN083138.D
Acq: 07 Aug 2024 11:46



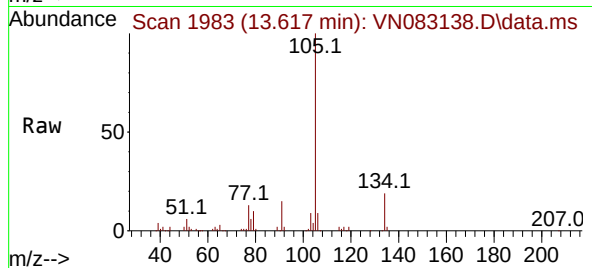
Tgt Ion:105 Resp: 92502
Ion Ratio Lower Upper
105 100
120 42.1 21.9 65.8





#85
sec-Butylbenzene
Concen: 10.221 ug/l
RT: 13.617 min Scan# 1983
Delta R.T. -0.000 min
Lab File: VN083138.D
Acq: 07 Aug 2024 11:46

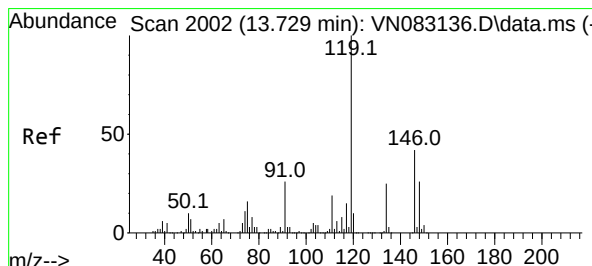
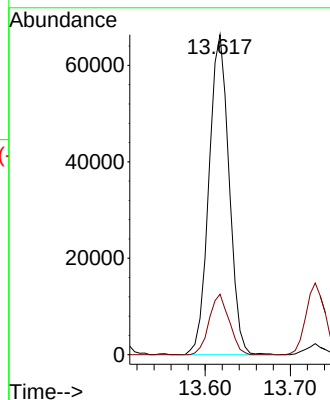
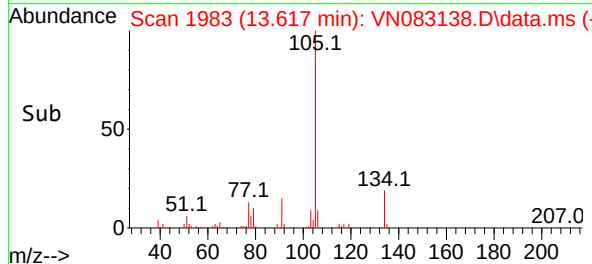
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010



Tgt Ion:105 Resp: 108740
Ion Ratio Lower Upper
105 100
134 18.8 9.8 29.3

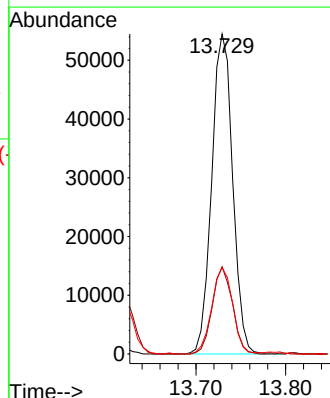
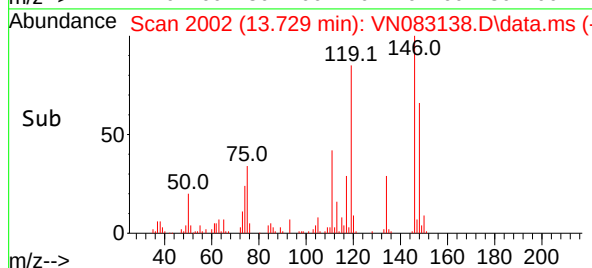
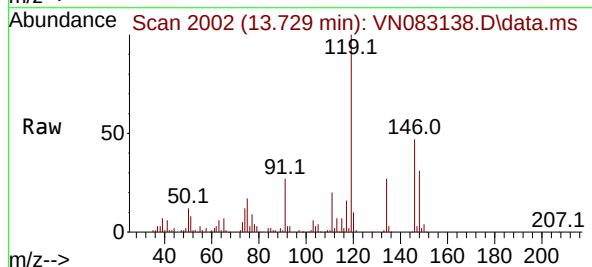
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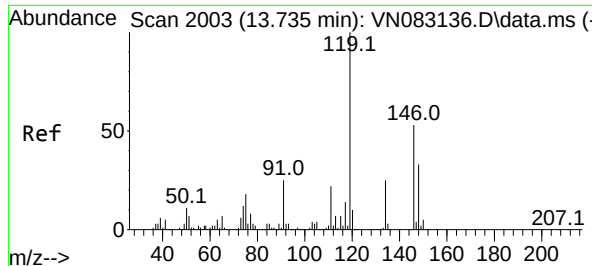
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#86
p-Isopropyltoluene
Concen: 10.047 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN083138.D
Acq: 07 Aug 2024 11:46

Tgt Ion:119 Resp: 88256
Ion Ratio Lower Upper
119 100
134 26.2 13.0 39.0
91 27.0 12.3 36.9





#87

1,3-Dichlorobenzene

Concen: 10.048 ug/l

RT: 13.735 min Scan# 2003

Delta R.T. -0.000 min

Lab File: VN083138.D

Acq: 07 Aug 2024 11:46

Instrument :

MSVOA_N

ClientSampleId :

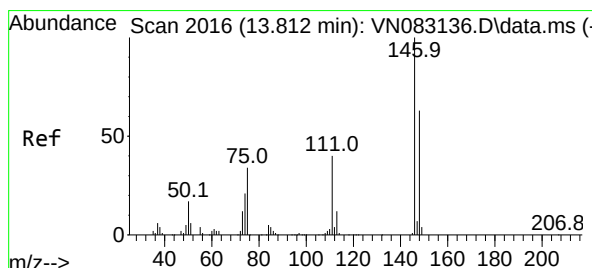
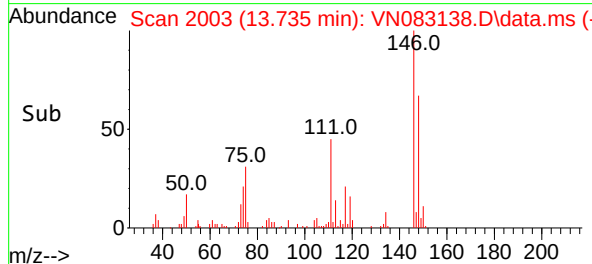
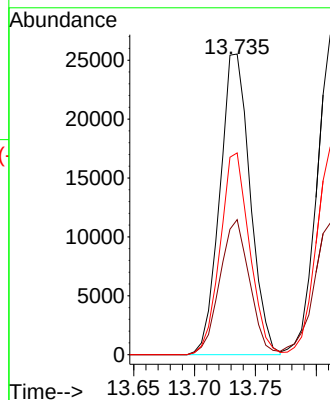
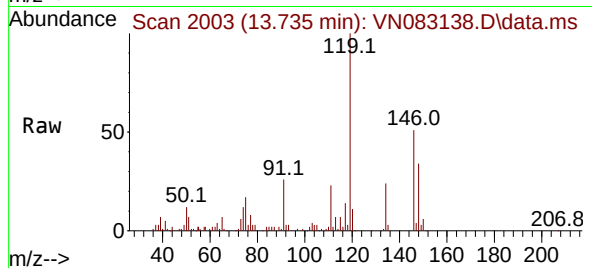
VSTDICC010

Tgt Ion:	146	Resp:	4416
Ion Ratio	Lower	Upper	
146	100		
111	44.1	20.6	61.9
148	65.1	31.8	95.3

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#88

1,4-Dichlorobenzene

Concen: 9.937 ug/l

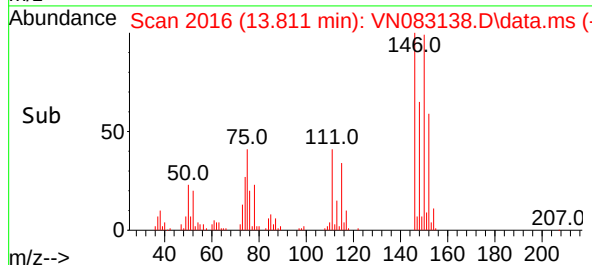
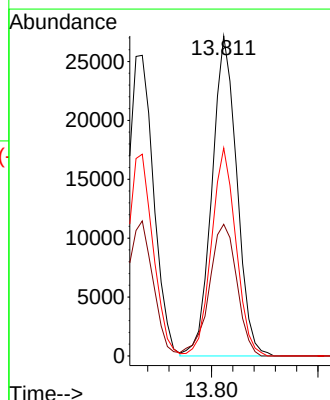
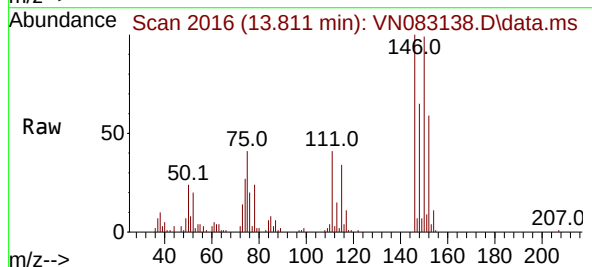
RT: 13.811 min Scan# 2016

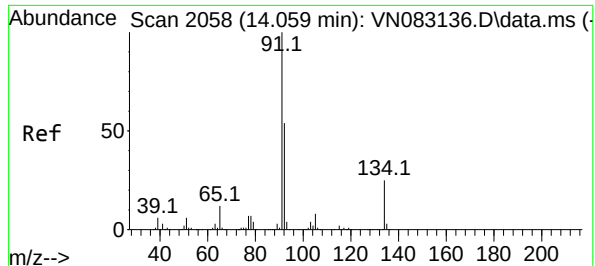
Delta R.T. -0.000 min

Lab File: VN083138.D

Acq: 07 Aug 2024 11:46

Tgt Ion:	146	Resp:	44036
Ion Ratio	Lower	Upper	
146	100		
111	45.6	20.1	60.3
148	64.0	32.2	96.6





#89

n-Butylbenzene

Concen: 10.060 ug/l

RT: 14.059 min Scan# 2058

Delta R.T. -0.000 min

Lab File: VN083138.D

Acq: 07 Aug 2024 11:46

Instrument :

MSVOA_N

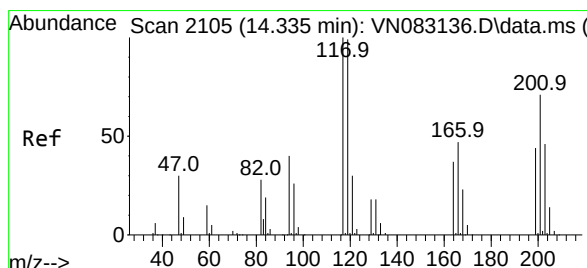
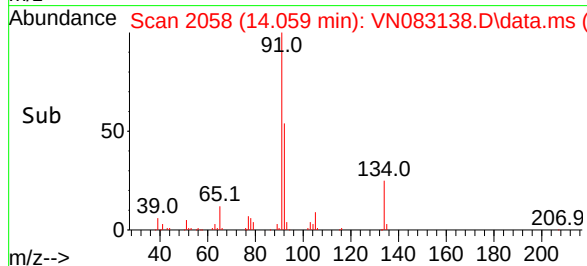
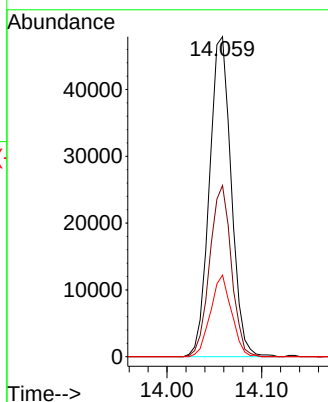
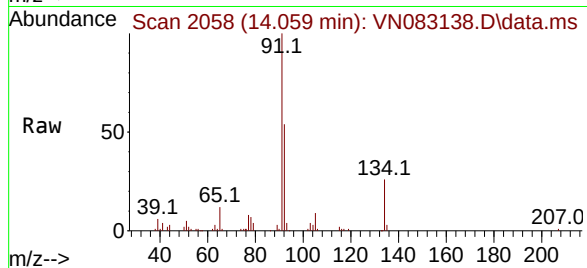
ClientSampleId :

VSTDICC010

Tgt Ion:	91	Resp:	7656
Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.1	78.3
134	24.7	12.1	36.3

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#90

Hexachloroethane

Concen: 10.487 ug/l

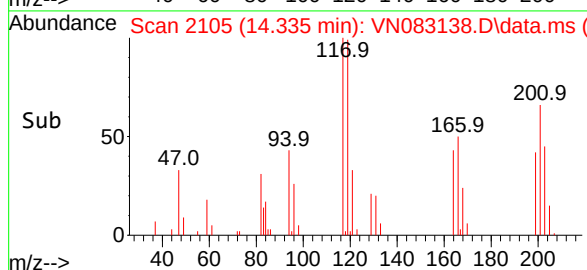
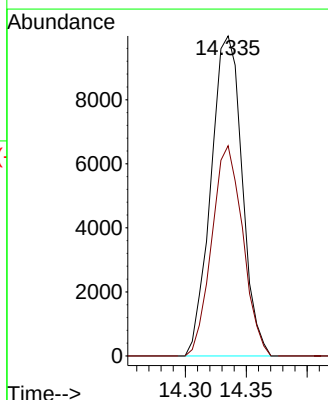
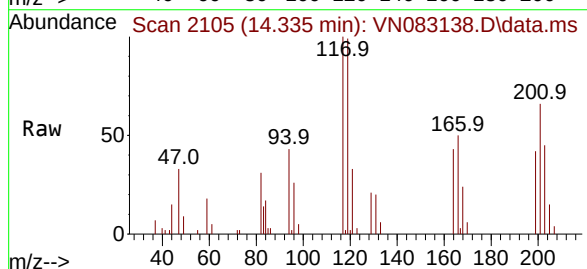
RT: 14.335 min Scan# 2105

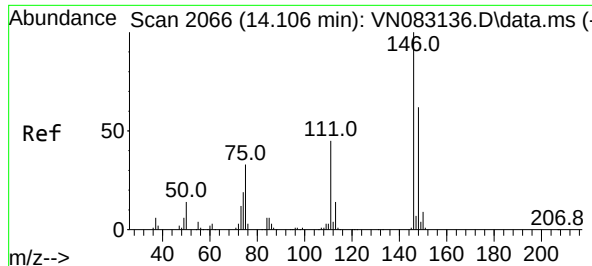
Delta R.T. -0.000 min

Lab File: VN083138.D

Acq: 07 Aug 2024 11:46

Tgt Ion:	117	Resp:	17798
Ion	Ratio	Lower	Upper
117	100		
201	65.3	35.8	107.3





#91

1,2-Dichlorobenzene

Concen: 10.282 ug/l

RT: 14.106 min Scan# 2066

Delta R.T. -0.000 min

Lab File: VN083138.D

Acq: 07 Aug 2024 11:46

Instrument :

MSVOA_N

ClientSampleId :

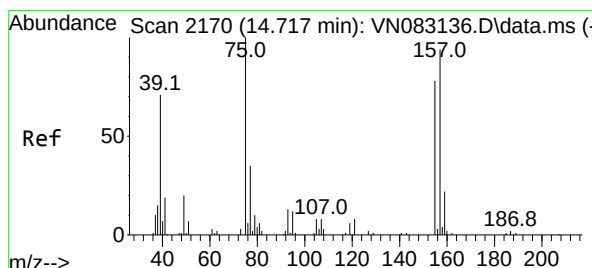
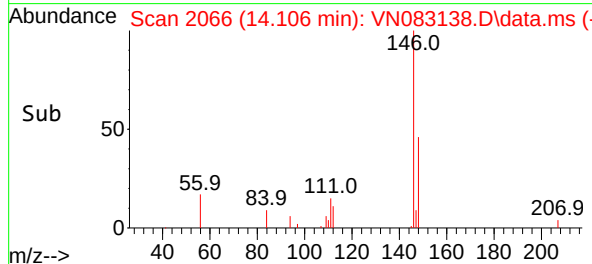
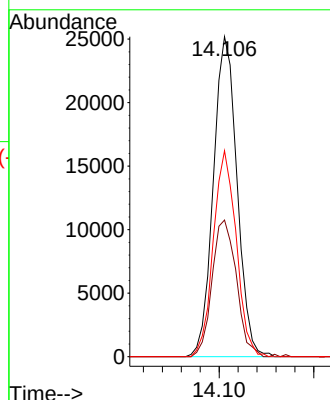
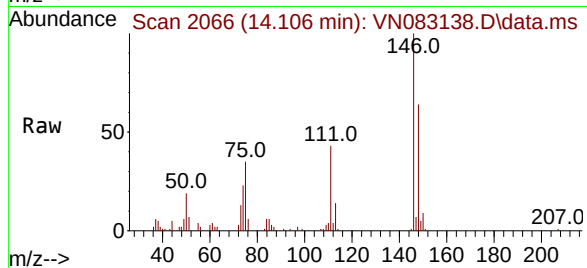
VSTDICC010

Tgt Ion:	146	Resp:	43734
Ion	Ratio	Lower	Upper
146	100		
111	43.8	21.4	64.2
148	62.3	32.1	96.5

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#92

1,2-Dibromo-3-Chloropropane

Concen: 10.056 ug/l

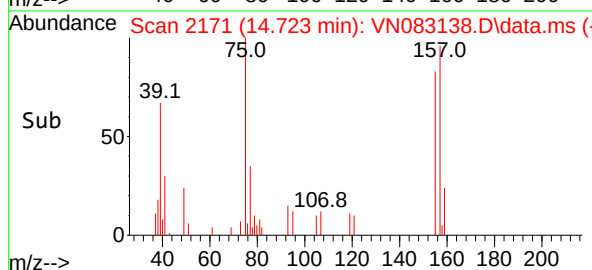
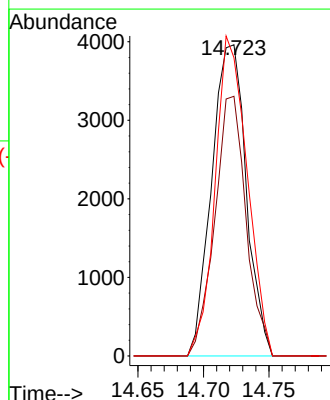
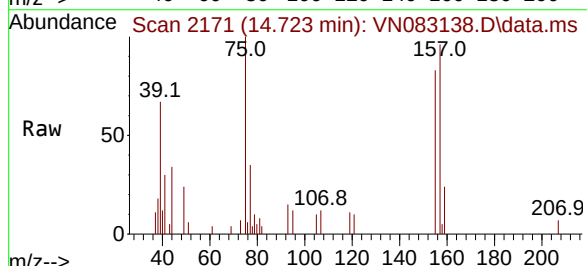
RT: 14.723 min Scan# 2171

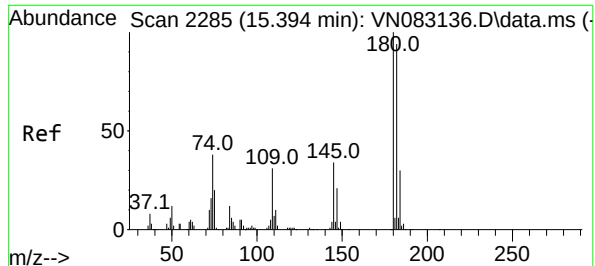
Delta R.T. 0.006 min

Lab File: VN083138.D

Acq: 07 Aug 2024 11:46

Tgt Ion:	75	Resp:	7258
Ion	Ratio	Lower	Upper
75	100		
155	75.6	36.6	109.8
157	95.2	46.9	140.6





#93

1,2,4-Trichlorobenzene

Concen: 9.895 ug/l

RT: 15.394 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN083138.D

Acq: 07 Aug 2024 11:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tgt Ion:180 Resp: 23580

Ion Ratio Lower Upper

180 100

182 96.2 47.3 141.8

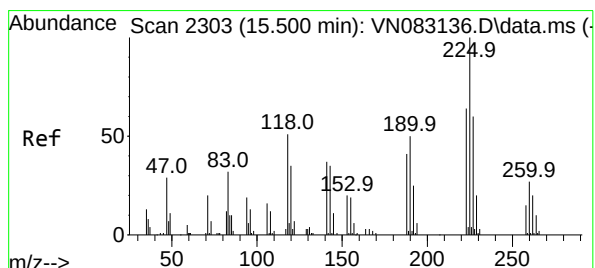
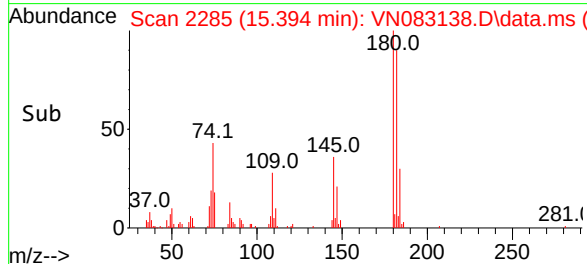
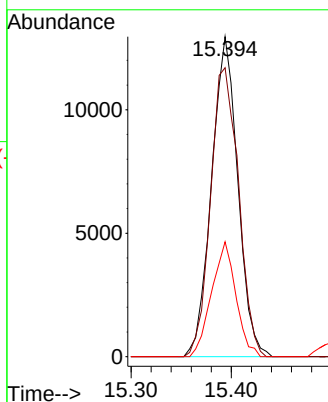
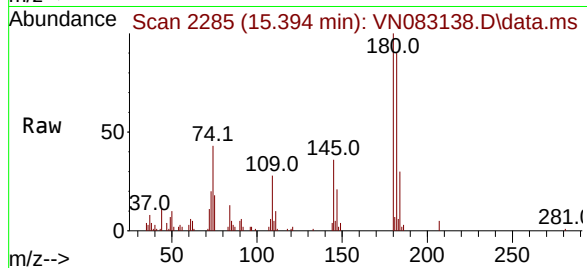
145 33.2 15.7 47.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#94

Hexachlorobutadiene

Concen: 10.179 ug/l

RT: 15.500 min Scan# 2303

Delta R.T. -0.000 min

Lab File: VN083138.D

Acq: 07 Aug 2024 11:46

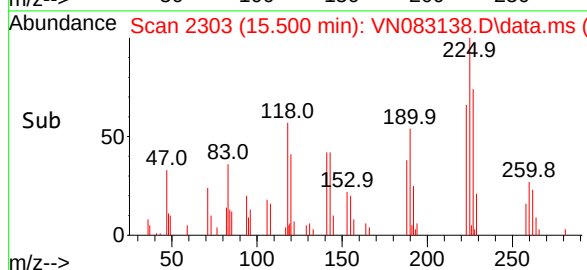
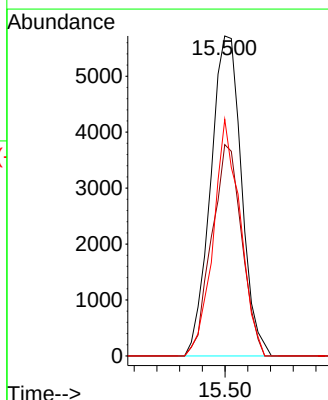
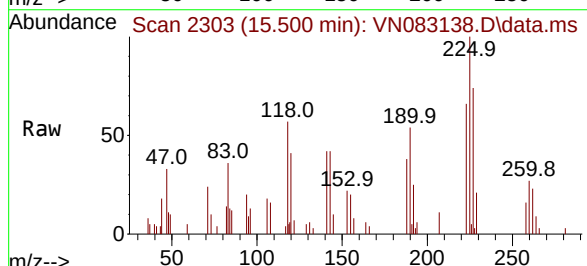
Tgt Ion:225 Resp: 10788

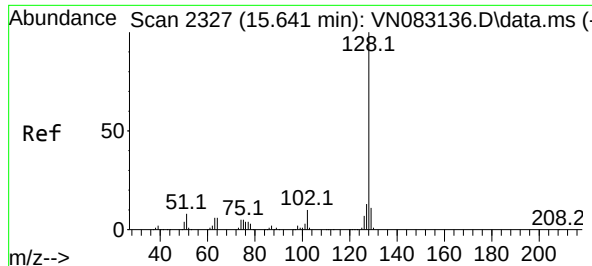
Ion Ratio Lower Upper

225 100

223 64.4 31.9 95.7

227 64.4 32.5 97.5





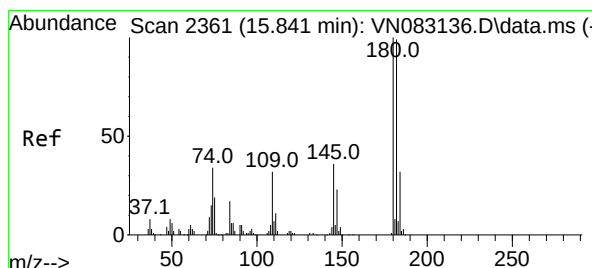
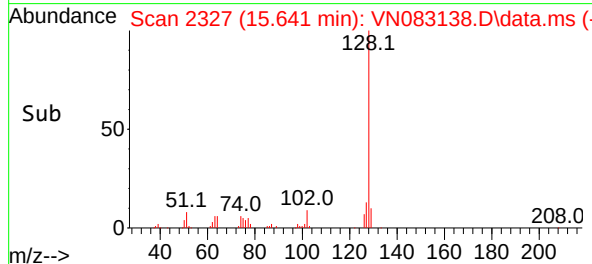
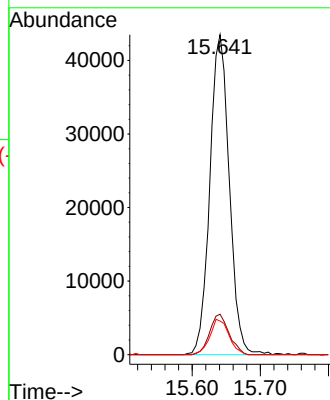
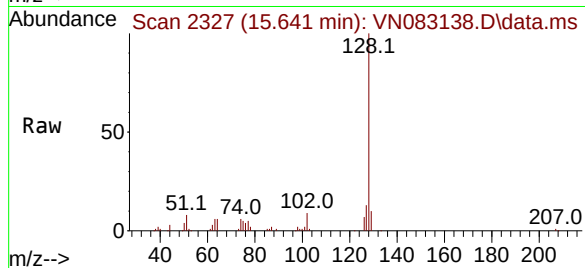
#95
Naphthalene
Concen: 10.232 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. -0.000 min
Lab File: VN083138.D
Acq: 07 Aug 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.6	16.0
129	10.8	8.6	12.8

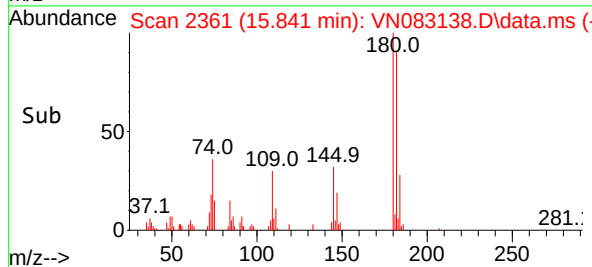
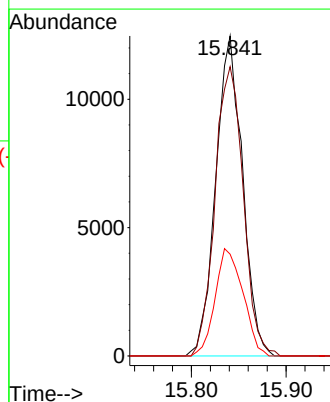
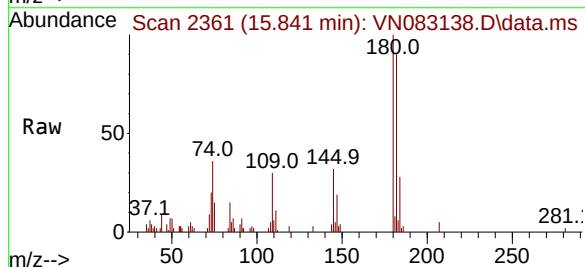
Manual Integrations
APPROVED

Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#96
1,2,3-Trichlorobenzene
Concen: 10.387 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. -0.000 min
Lab File: VN083138.D
Acq: 07 Aug 2024 11:46

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	48.9	146.8
145	34.8	16.8	50.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080724\
Data File : VN083139.D
Acq On : 07 Aug 2024 12:10
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Quant Time: Aug 08 06:18:41 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 08 05:50:26 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	201859	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	347562	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	293513	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	133537	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.582	65	15867	5.522	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	11.040%#
35) Dibromofluoromethane	8.159	113	12039	5.549	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	11.100%#
50) Toluene-d8	10.565	98	43104	5.326	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	10.660%#
62) 4-Bromofluorobenzene	12.847	95	16776	5.317	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	=	10.640%#

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.124	85	12045	5.262	ug/l	97
3) Chloromethane	2.359	50	12017	5.128	ug/l	97
4) Vinyl Chloride	2.512	62	11837	4.950	ug/l	96
5) Bromomethane	2.942	94	8328	5.612	ug/l	88
6) Chloroethane	3.106	64	7688	5.139	ug/l	90
7) Trichlorofluoromethane	3.489	101	20242	5.124	ug/l	93
8) Diethyl Ether	3.959	74	7674	5.220	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.377	101	11261	5.170	ug/l	99
10) Methyl Iodide	4.595	142	13878	4.844	ug/l #	95
11) Tert butyl alcohol	5.524	59	15685	26.268	ug/l	99
12) 1,1-Dichloroethene	4.342	96	11718	5.237	ug/l	90
13) Acrolein	4.177	56	9615	24.707	ug/l	89
14) Allyl chloride	5.018	41	22183	5.246	ug/l	87
15) Acrylonitrile	5.724	53	31357	25.534	ug/l	96
16) Acetone	4.436	43	27636	24.581	ug/l	97
17) Carbon Disulfide	4.712	76	32908	5.026	ug/l	96
18) Methyl Acetate	5.030	43	17029	5.084	ug/l	98
19) Methyl tert-butyl Ether	5.789	73	41439	5.131	ug/l	93
20) Methylene Chloride	5.271	84	12913	4.991	ug/l #	84
21) trans-1,2-Dichloroethene	5.783	96	11465	4.957	ug/l	88
22) Diisopropyl ether	6.677	45	39688	4.993	ug/l #	97
23) Vinyl Acetate	6.600	43	202471m	24.856	ug/l	
24) 1,1-Dichloroethane	6.565	63	22058	5.091	ug/l	98
25) 2-Butanone	7.488	43	41750	24.185	ug/l	91
26) 2,2-Dichloropropane	7.494	77	19864	4.937	ug/l	95
27) cis-1,2-Dichloroethene	7.483	96	13862	4.967	ug/l	94
28) Bromochloromethane	7.812	49	9874	5.577	ug/l #	85
29) Tetrahydrofuran	7.841	42	28260	25.324	ug/l	89
30) Chloroform	7.965	83	22650	5.032	ug/l	99
31) Cyclohexane	8.265	56	24999	5.871	ug/l	96
32) 1,1,1-Trichloroethane	8.165	97	21825	5.123	ug/l #	49
36) 1,1-Dichloropropene	8.377	75	16102	4.907	ug/l	99
37) Ethyl Acetate	7.559	43	17909	4.874	ug/l #	96
38) Carbon Tetrachloride	8.365	117	18728	5.067	ug/l	98
39) Methylcyclohexane	9.600	83	19981	4.957	ug/l	91
40) Benzene	8.606	78	48765	4.988	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080724\
Data File : VN083139.D
Acq On : 07 Aug 2024 12:10
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC005

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024

Quant Time: Aug 08 06:18:41 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M

Quant Title : SW846 8260

QLast Update : Thu Aug 08 05:50:26 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	10086	4.828	ug/l	95
42) 1,2-Dichloroethane	8.671	62	18219	5.116	ug/l	97
43) Isopropyl Acetate	8.694	43	44817	5.438	ug/l #	92
44) Trichloroethene	9.353	130	11830	5.084	ug/l	94
45) 1,2-Dichloropropane	9.624	63	11320	4.878	ug/l	90
46) Dibromomethane	9.712	93	8436	5.079	ug/l	98
47) Bromodichloromethane	9.888	83	18799	5.040	ug/l	98
48) Methyl methacrylate	9.682	41	14704	4.840	ug/l	94
49) 1,4-Dioxane	9.694	88	5239	95.593	ug/l #	77
51) 4-Methyl-2-Pentanone	10.447	43	86679	24.946	ug/l	93
52) Toluene	10.629	92	30769	4.981	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	18964	4.950	ug/l	100
54) cis-1,3-Dichloropropene	10.312	75	20431	5.014	ug/l	93
55) 1,1,2-Trichloroethane	11.018	97	10913	4.930	ug/l	98
56) Ethyl methacrylate	10.876	69	20661	4.951	ug/l	93
57) 1,3-Dichloropropane	11.165	76	18934	4.799	ug/l	94
58) 2-Chloroethyl Vinyl ether	10.159	63	43528	24.676	ug/l	96
59) 2-Hexanone	11.194	43	66854	24.870	ug/l	95
60) Dibromochloromethane	11.359	129	13307	4.972	ug/l	97
61) 1,2-Dibromoethane	11.471	107	11523	4.955	ug/l	96
64) Tetrachloroethene	11.106	164	9517	4.896	ug/l	96
65) Chlorobenzene	11.894	112	32114	4.951	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.959	131	11758	5.140	ug/l	94
67) Ethyl Benzene	11.965	91	59648	5.013	ug/l	97
68) m/p-Xylenes	12.070	106	44572	10.000	ug/l	96
69) o-Xylene	12.400	106	22003	5.005	ug/l	99
70) Styrene	12.412	104	37023	5.014	ug/l	98
71) Bromoform	12.582	173	8085	4.665	ug/l #	89
73) Isopropylbenzene	12.694	105	56741	5.080	ug/l	100
74) N-amyl acetate	12.494	43	27393	5.014	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.935	83	16514	5.227	ug/l	97
76) 1,2,3-Trichloropropane	12.994	75	14463m	4.927	ug/l	
77) Bromobenzene	12.982	156	13024	5.249	ug/l	94
78) n-propylbenzene	13.035	91	64751	5.035	ug/l	99
79) 2-Chlorotoluene	13.123	91	41176	5.050	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	47581	5.088	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.735	75	7079	5.254	ug/l	92
82) 4-Chlorotoluene	13.223	91	41137	5.030	ug/l	97
83) tert-Butylbenzene	13.435	119	42723	5.159	ug/l	100
84) 1,2,4-Trimethylbenzene	13.482	105	47965	5.090	ug/l	98
85) sec-Butylbenzene	13.617	105	56947	5.040	ug/l	98
86) p-Isopropyltoluene	13.729	119	47654	5.108	ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	22814	4.887	ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	23971	5.093	ug/l	94
89) n-Butylbenzene	14.053	91	40282	4.983	ug/l	99
90) Hexachloroethane	14.335	117	9298	5.158	ug/l	93
91) 1,2-Dichlorobenzene	14.106	146	23116	5.117	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.717	75	4097	5.345	ug/l	94
93) 1,2,4-Trichlorobenzene	15.394	180	11922	4.710	ug/l	94
94) Hexachlorobutadiene	15.500	225	5946	5.282	ug/l	93
95) Naphthalene	15.641	128	43131	4.811	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	12285	4.905	ug/l	94

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080724\
Data File : VN083139.D
Acq On : 07 Aug 2024 12:10
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024

Quant Time: Aug 08 06:18:41 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 08 05:50:26 2024
Response via : Initial Calibration

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

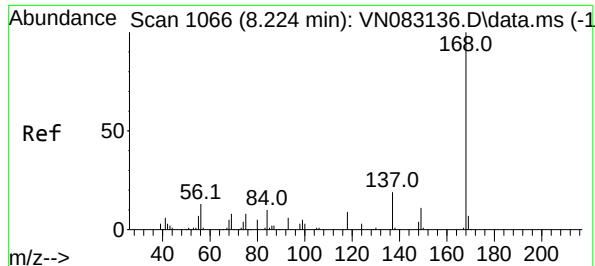
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

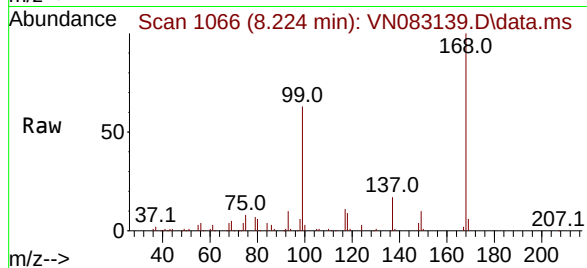
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083139.D
Acq: 07 Aug 2024 12:10

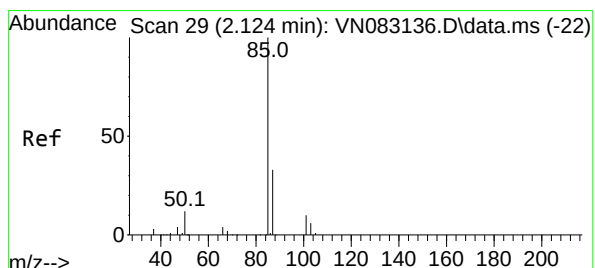
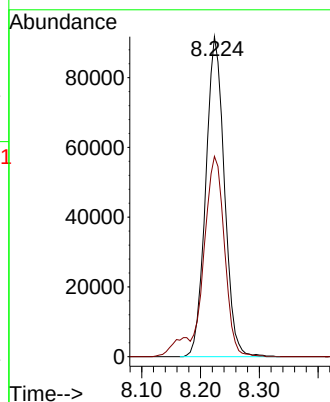
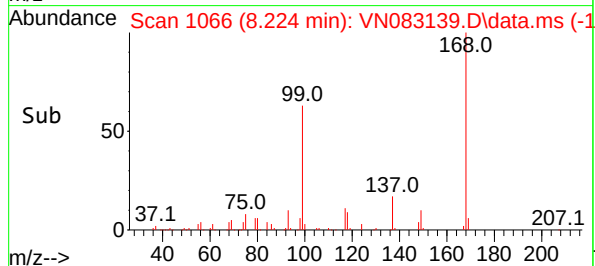
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005



Tgt Ion:168 Resp: 20185
Ion Ratio Lower Upper
168 100
99 62.6 48.2 72.4

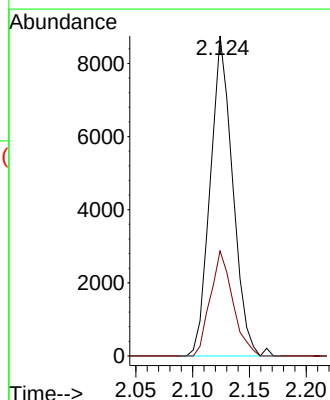
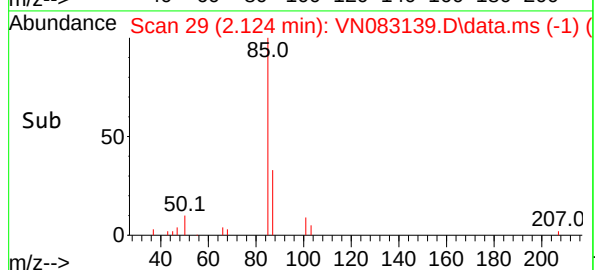
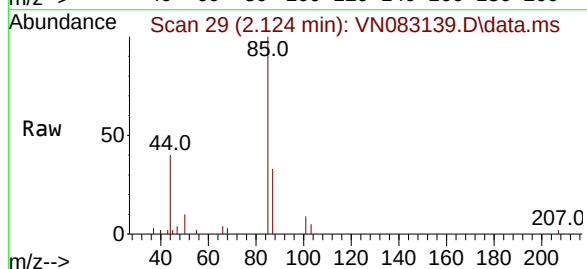
Manual Integrations
APPROVED

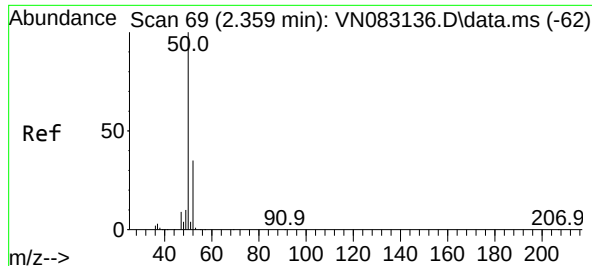
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#2
Dichlorodifluoromethane
Concen: 5.262 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN083139.D
Acq: 07 Aug 2024 12:10

Tgt Ion: 85 Resp: 12045
Ion Ratio Lower Upper
85 100
87 32.8 15.7 47.0





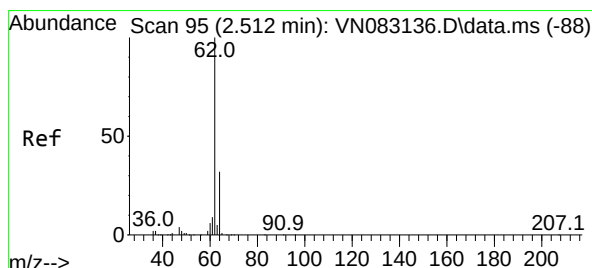
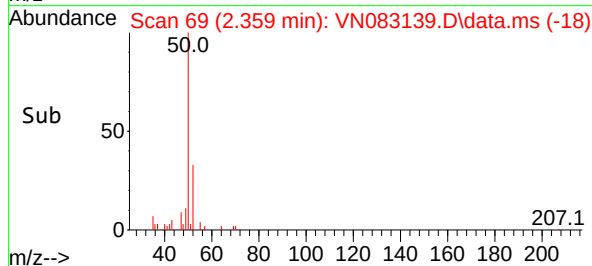
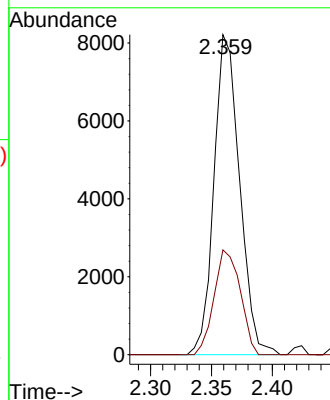
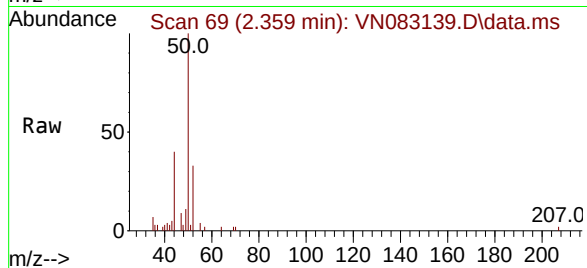
#3
Chloromethane
Concen: 5.128 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN083139.D
Acq: 07 Aug 2024 12:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 50 Resp: 1201
Ion Ratio Lower Upper
50 100
52 32.7 25.0 37.4

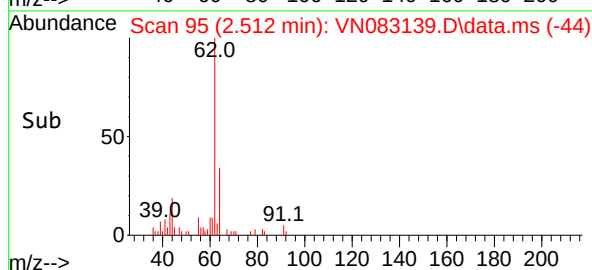
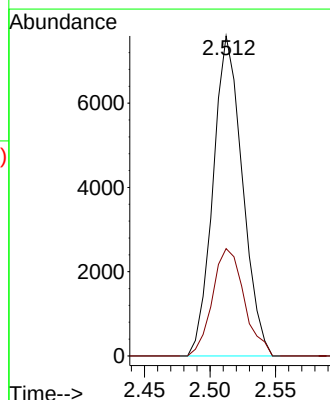
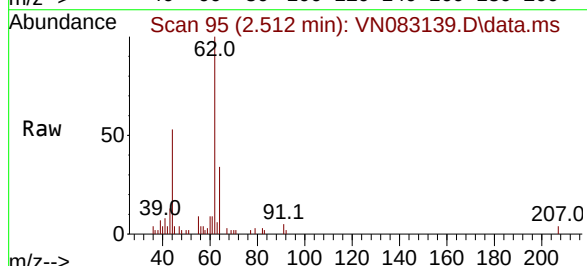
Manual Integrations
APPROVED

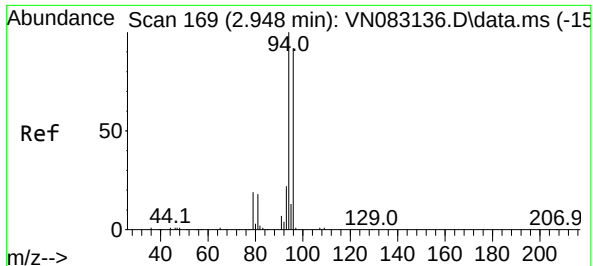
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#4
Vinyl Chloride
Concen: 4.950 ug/l
RT: 2.512 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN083139.D
Acq: 07 Aug 2024 12:10

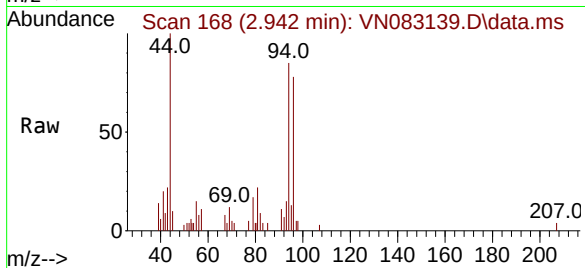
Tgt Ion: 62 Resp: 11837
Ion Ratio Lower Upper
62 100
64 33.6 25.0 37.6





#5
Bromomethane
Concen: 5.612 ug/l
RT: 2.942 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN083139.D
Acq: 07 Aug 2024 12:10

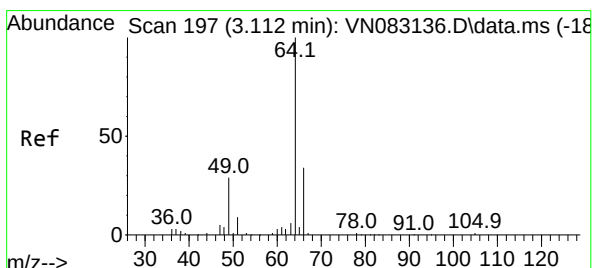
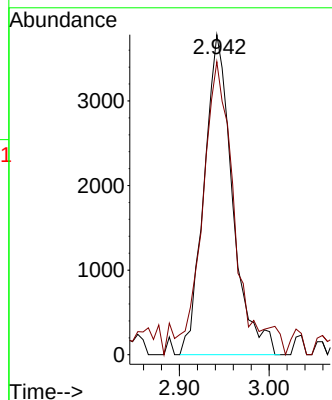
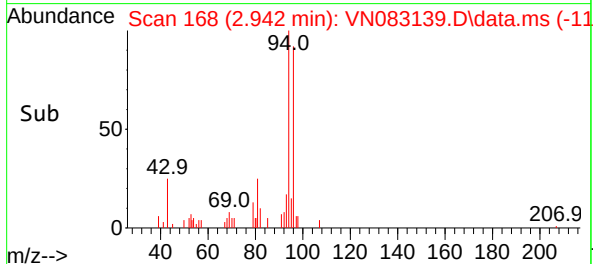
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005



Tgt Ion: 94 Resp: 8328
Ion Ratio Lower Upper
94 100
96 85.3 78.0 117.0

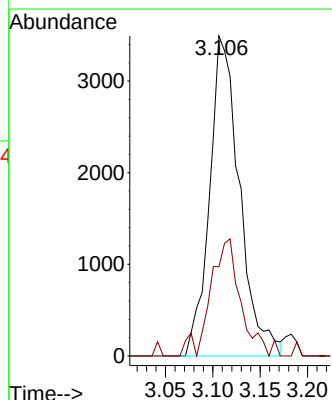
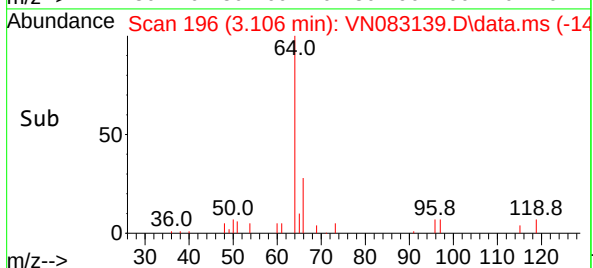
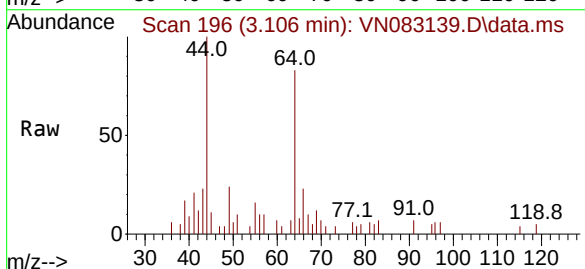
Manual Integrations
APPROVED

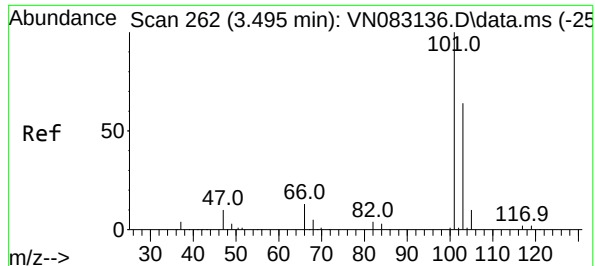
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#6
Chloroethane
Concen: 5.139 ug/l
RT: 3.106 min Scan# 196
Delta R.T. -0.006 min
Lab File: VN083139.D
Acq: 07 Aug 2024 12:10

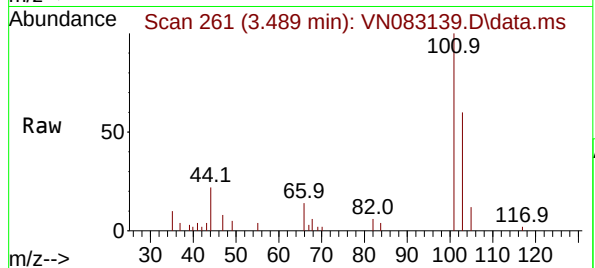
Tgt Ion: 64 Resp: 7688
Ion Ratio Lower Upper
64 100
66 27.9 26.6 40.0





#7
Trichlorofluoromethane
Concen: 5.124 ug/l
RT: 3.489 min Scan# 261
Delta R.T. -0.006 min
Lab File: VN083139.D
Acq: 07 Aug 2024 12:10

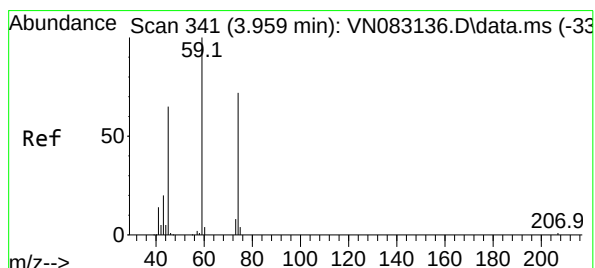
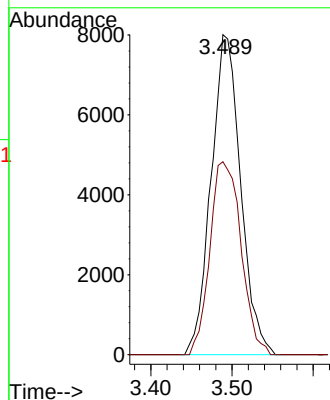
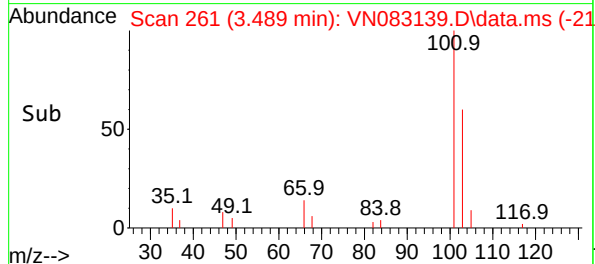
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005



Tgt Ion:101 Resp: 2024
Ion Ratio Lower Upper
101 100
103 60.3 52.7 79.1

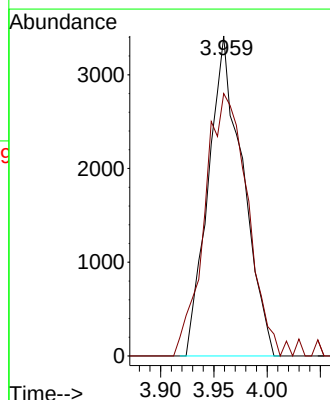
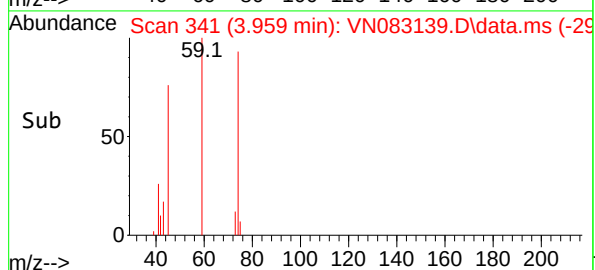
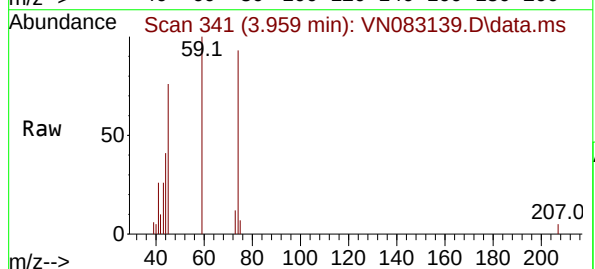
Manual Integrations
APPROVED

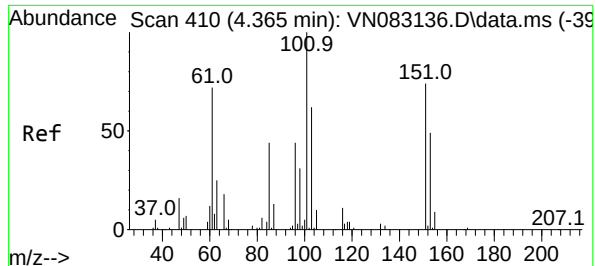
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#8
Diethyl Ether
Concen: 5.220 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.000 min
Lab File: VN083139.D
Acq: 07 Aug 2024 12:10

Tgt Ion: 74 Resp: 7674
Ion Ratio Lower Upper
74 100
45 101.8 55.5 166.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.170 ug/l

RT: 4.377 min Scan# 410

Delta R.T. 0.012 min

Lab File: VN083139.D

Acq: 07 Aug 2024 12:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion:101 Resp: 1126

Ion Ratio Lower Upper

101 100

85 47.2 38.3 57.5

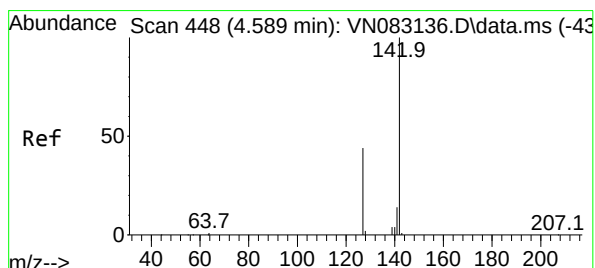
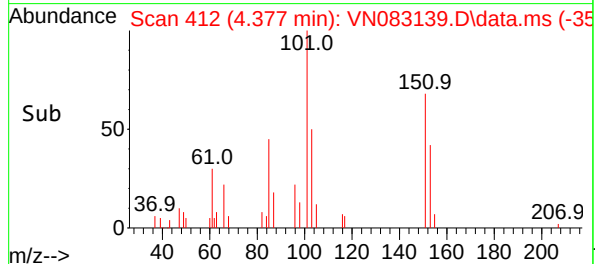
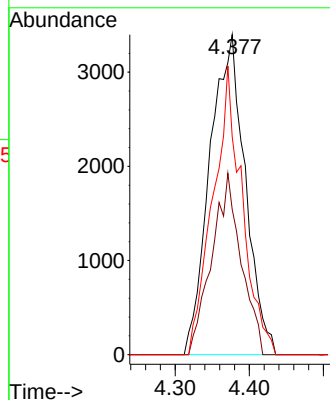
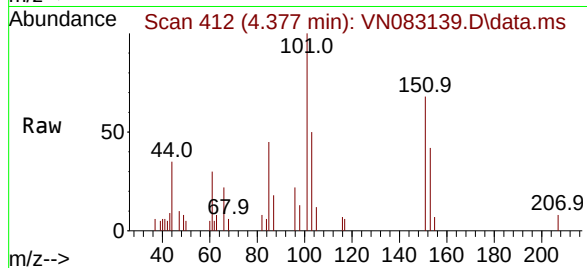
151 74.4 59.3 88.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#10

Methyl Iodide

Concen: 4.844 ug/l

RT: 4.595 min Scan# 449

Delta R.T. 0.006 min

Lab File: VN083139.D

Acq: 07 Aug 2024 12:10

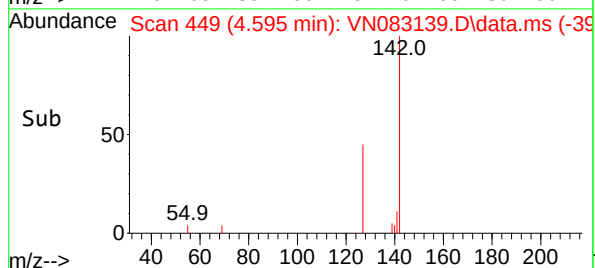
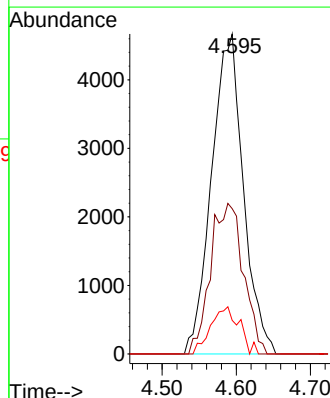
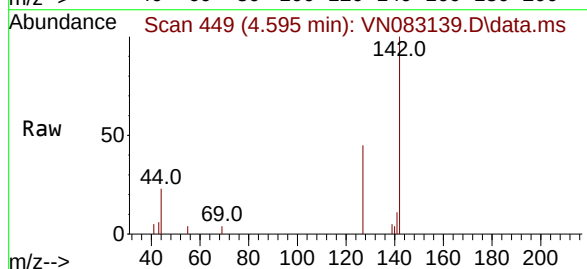
Tgt Ion:142 Resp: 13878

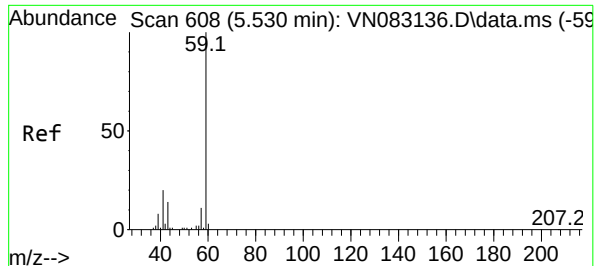
Ion Ratio Lower Upper

142 100

127 45.4 37.5 56.3

141 10.5 13.1 19.7#





#11

Tert butyl alcohol

Concen: 26.268 ug/l

RT: 5.524 min Scan# 608

Delta R.T. -0.006 min

Lab File: VN083139.D

Acq: 07 Aug 2024 12:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC005

Tgt Ion: 59 Resp: 1568

Ion Ratio Lower Upper

59 100

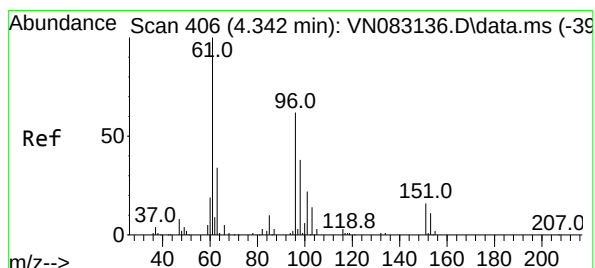
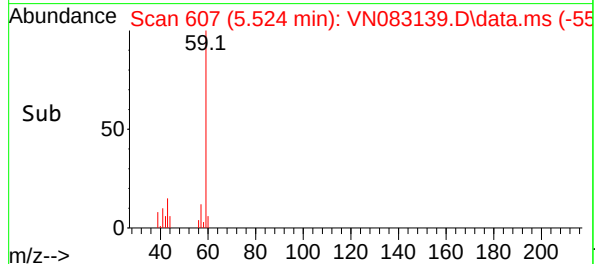
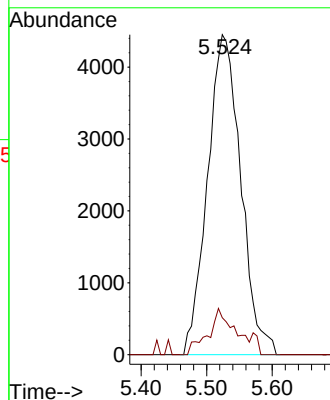
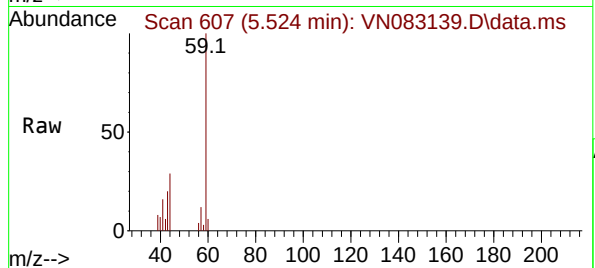
57 11.4 8.9 13.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#12

1,1-Dichloroethene

Concen: 5.237 ug/l

RT: 4.342 min Scan# 406

Delta R.T. 0.000 min

Lab File: VN083139.D

Acq: 07 Aug 2024 12:10

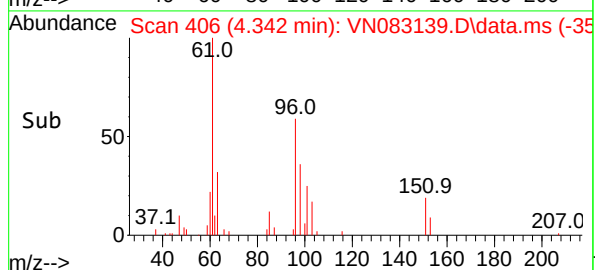
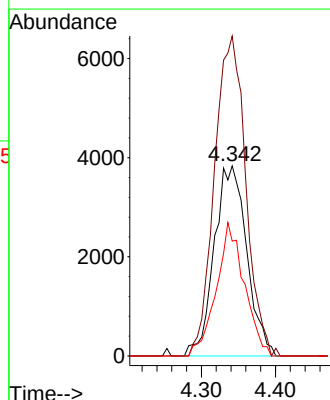
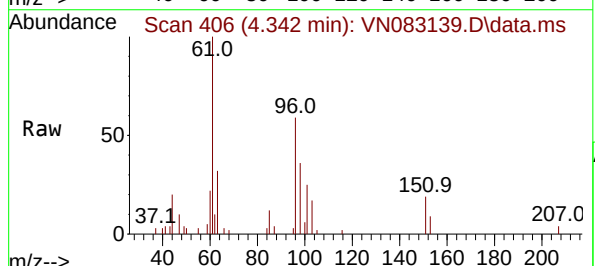
Tgt Ion: 96 Resp: 11718

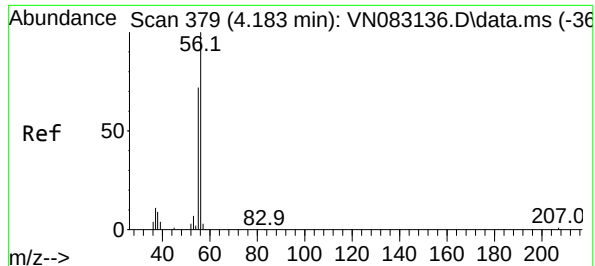
Ion Ratio Lower Upper

96 100

61 168.3 149.7 224.5

98 60.4 50.1 75.1





#13

Acrolein

Concen: 24.707 ug/l

RT: 4.177 min Scan# 31

Delta R.T. -0.006 min

Lab File: VN083139.D

Acq: 07 Aug 2024 12:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC005

Tgt Ion: 56 Resp: 961

Ion Ratio Lower Upper

56 100

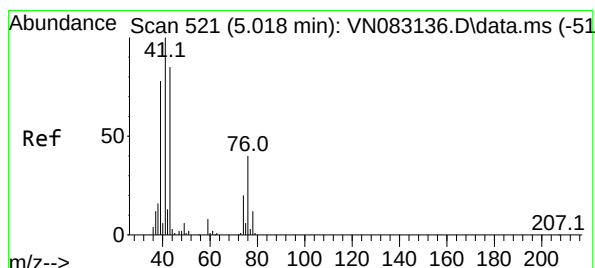
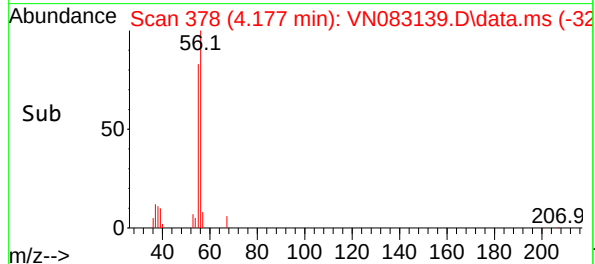
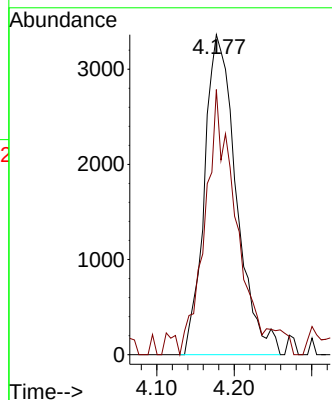
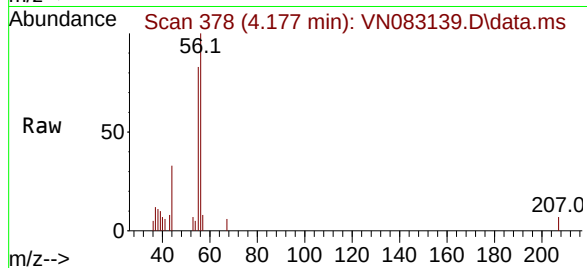
55 80.0 56.4 84.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#14

Allyl chloride

Concen: 5.246 ug/l

RT: 5.018 min Scan# 521

Delta R.T. 0.000 min

Lab File: VN083139.D

Acq: 07 Aug 2024 12:10

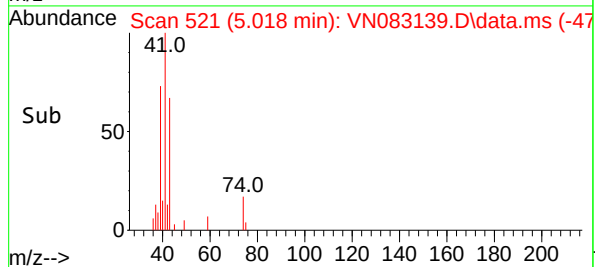
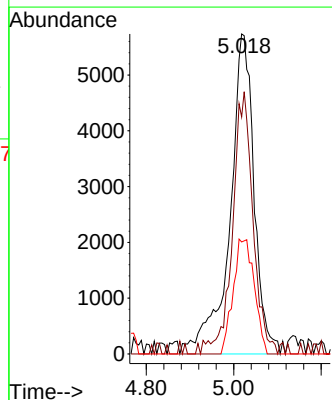
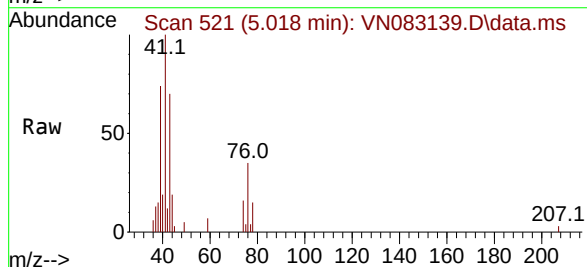
Tgt Ion: 41 Resp: 22183

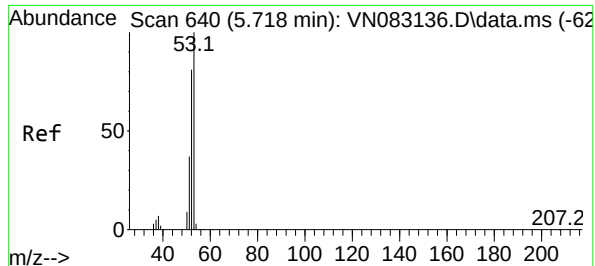
Ion Ratio Lower Upper

41 100

39 69.3 67.8 101.6

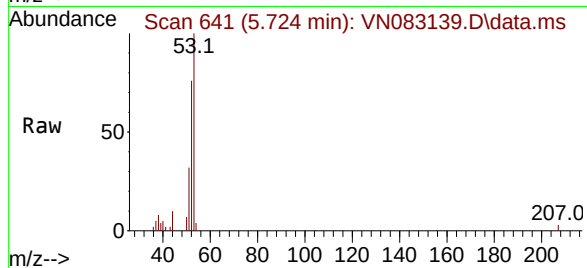
76 31.2 25.8 38.8





#15
Acrylonitrile
Concen: 25.534 ug/l
RT: 5.724 min Scan# 641
Delta R.T. 0.006 min
Lab File: VN083139.D
Acq: 07 Aug 2024 12:10

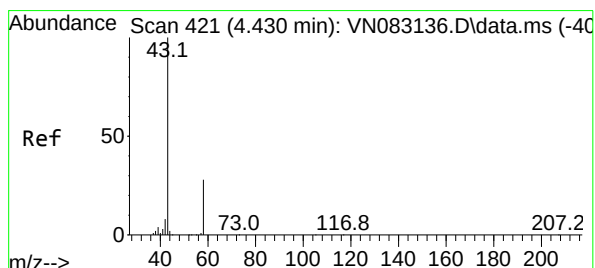
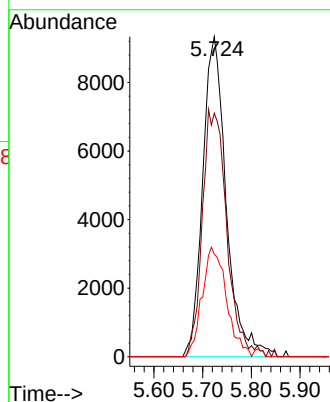
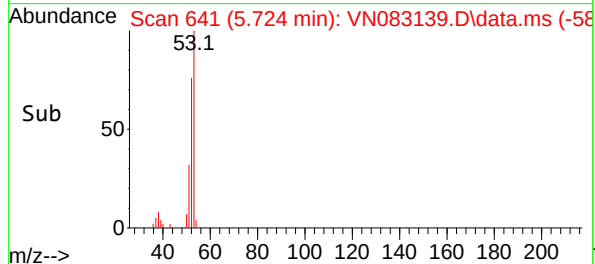
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005



Tgt Ion: 53 Resp: 3135
Ion Ratio Lower Upper
53 100
52 79.9 66.6 100.0
51 35.3 30.1 45.1

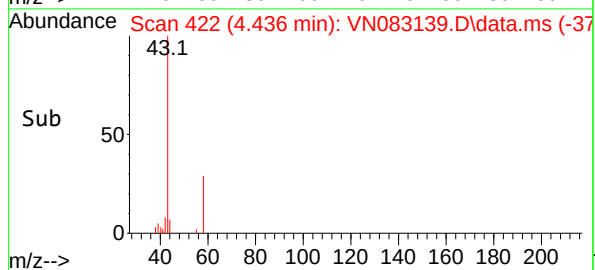
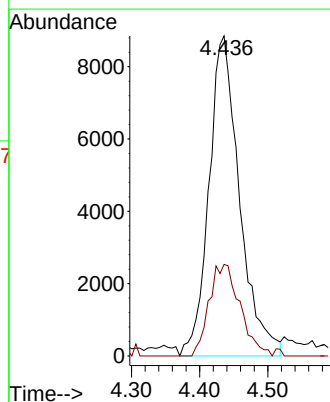
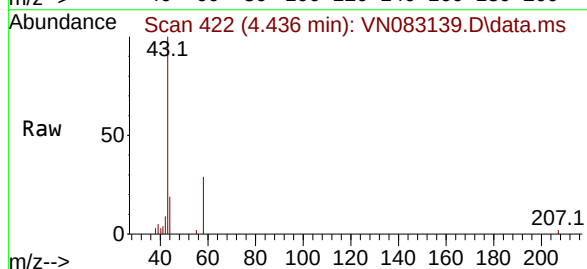
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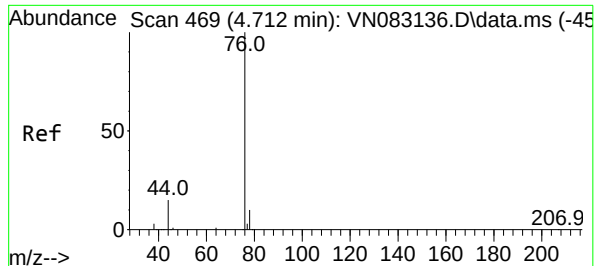
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#16
Acetone
Concen: 24.581 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.006 min
Lab File: VN083139.D
Acq: 07 Aug 2024 12:10

Tgt Ion: 43 Resp: 27636
Ion Ratio Lower Upper
43 100
58 28.6 21.8 32.6





#17

Carbon Disulfide

Concen: 5.026 ug/l

RT: 4.712 min Scan# 469

Delta R.T. 0.000 min

Lab File: VN083139.D

Acq: 07 Aug 2024 12:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC005

Tgt Ion: 76 Resp: 32908

Ion Ratio Lower Upper

76 100

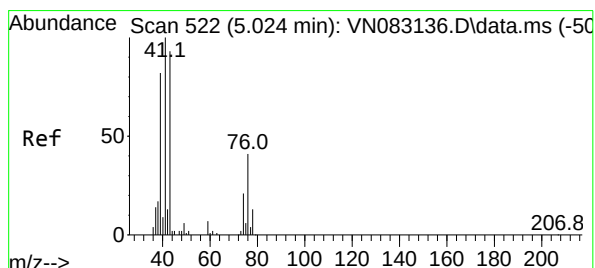
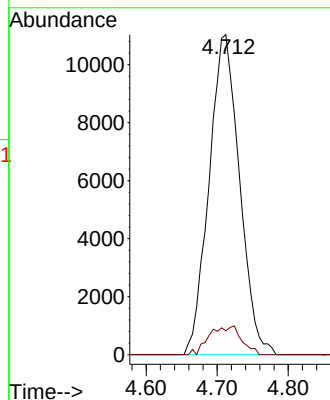
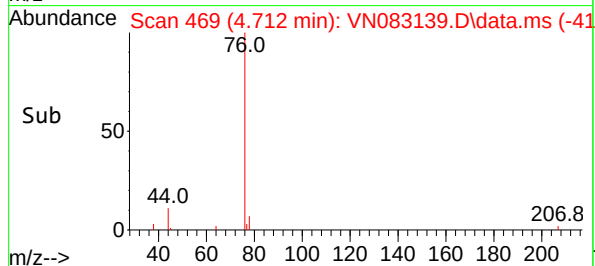
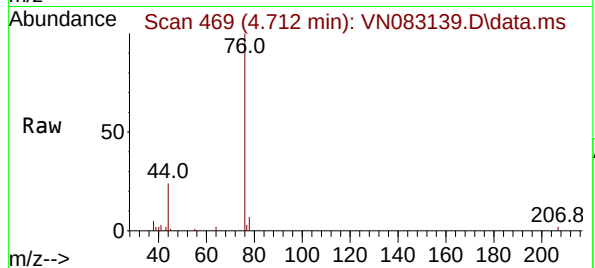
78 7.4 7.2 10.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#18

Methyl Acetate

Concen: 5.084 ug/l

RT: 5.030 min Scan# 523

Delta R.T. 0.006 min

Lab File: VN083139.D

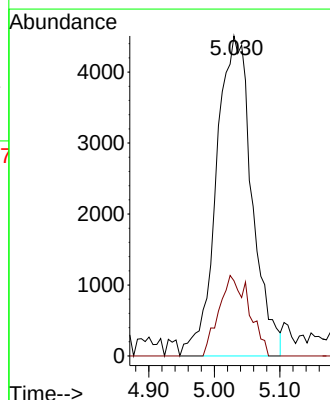
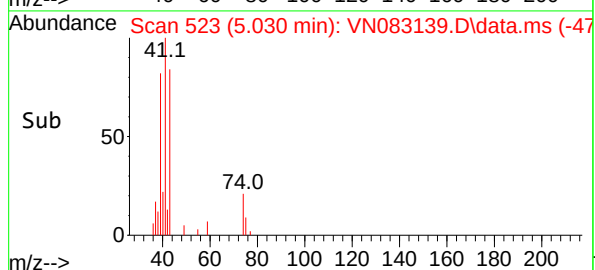
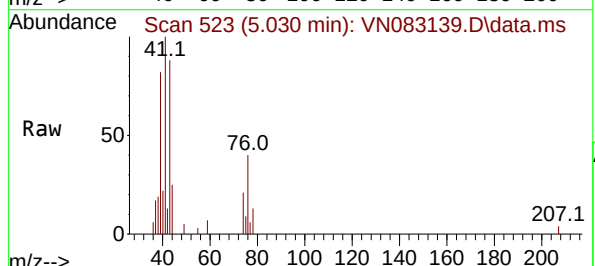
Acq: 07 Aug 2024 12:10

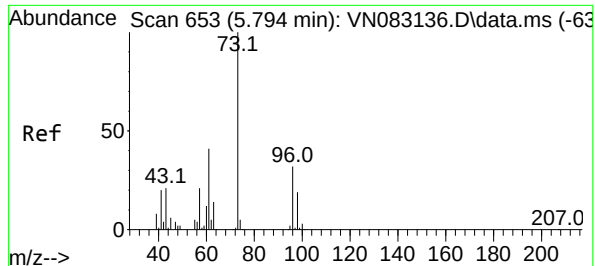
Tgt Ion: 43 Resp: 17029

Ion Ratio Lower Upper

43 100

74 21.4 16.3 24.5





#19

Methyl tert-butyl Ether

Concen: 5.131 ug/l

RT: 5.789 min Scan# 61

Delta R.T. -0.006 min

Lab File: VN083139.D

Acq: 07 Aug 2024 12:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 73 Resp: 41439

Ion Ratio Lower Upper

73 100

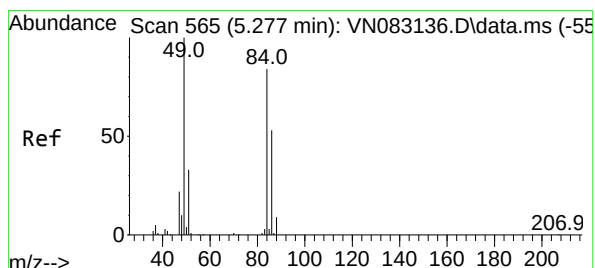
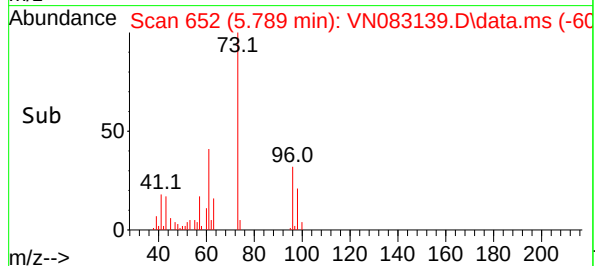
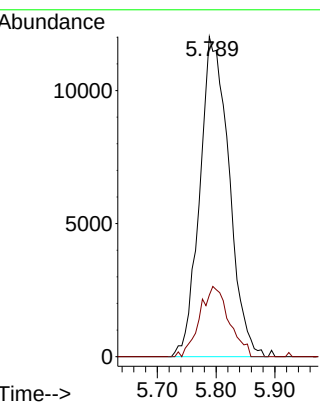
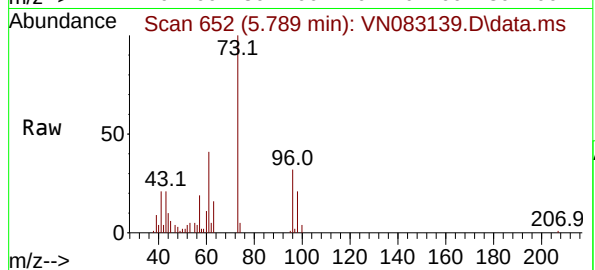
57 19.2 17.9 26.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#20

Methylene Chloride

Concen: 4.991 ug/l

RT: 5.271 min Scan# 564

Delta R.T. -0.006 min

Lab File: VN083139.D

Acq: 07 Aug 2024 12:10

Tgt Ion: 84 Resp: 12913

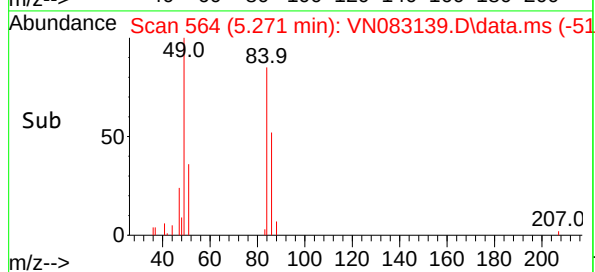
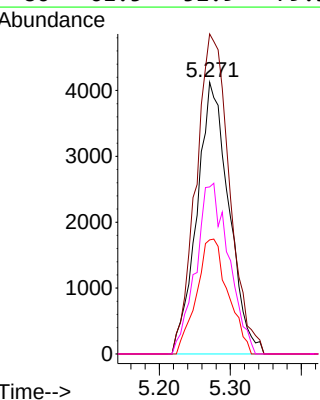
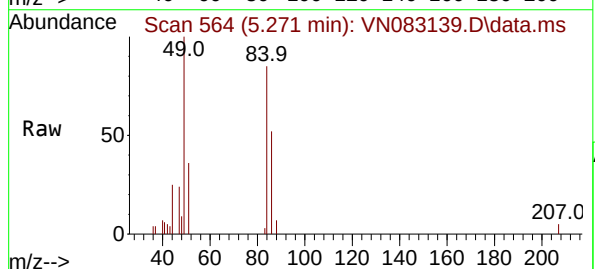
Ion Ratio Lower Upper

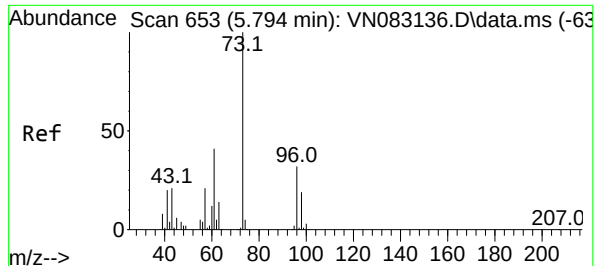
84 100

49 117.8 119.6 179.4#

51 42.0 34.8 52.2

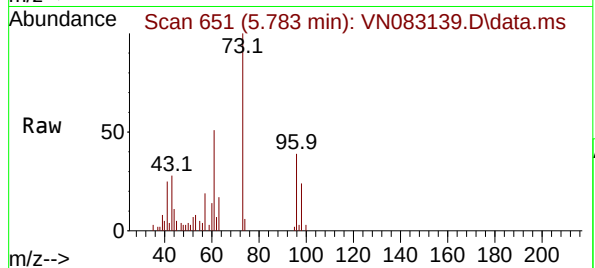
86 61.5 52.9 79.3





#21
trans-1,2-Dichloroethene
Concen: 4.957 ug/l
RT: 5.783 min Scan# 61
Delta R.T. -0.012 min
Lab File: VN083139.D
Acq: 07 Aug 2024 12:10

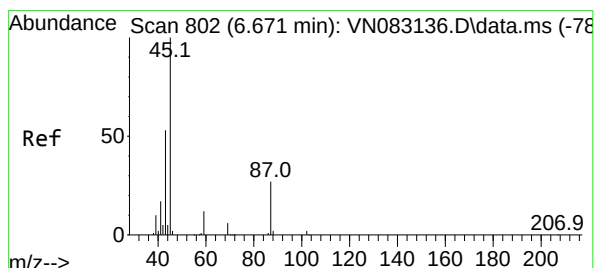
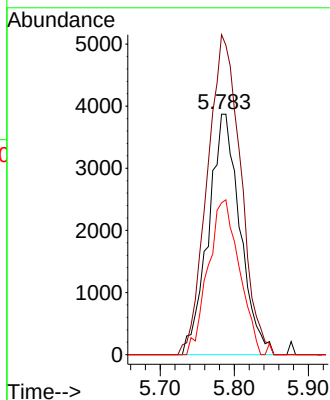
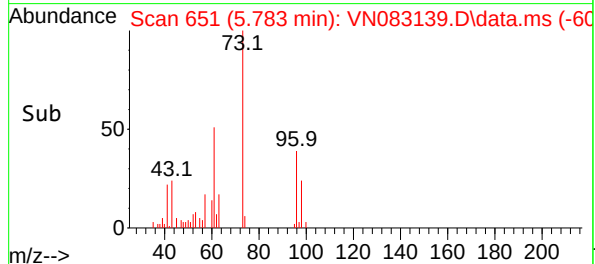
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005



Tgt Ion: 96 Resp: 1146
Ion Ratio Lower Upper
96 100
61 133.0 123.4 185.2
98 63.1 49.3 73.9

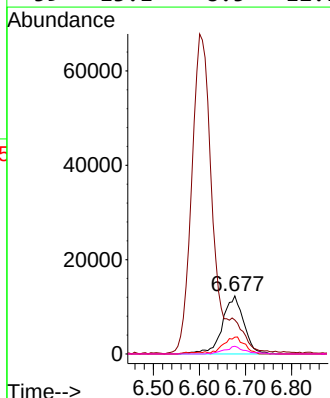
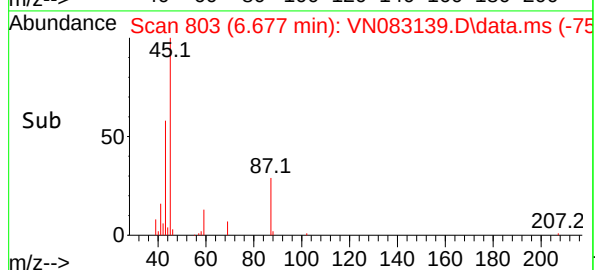
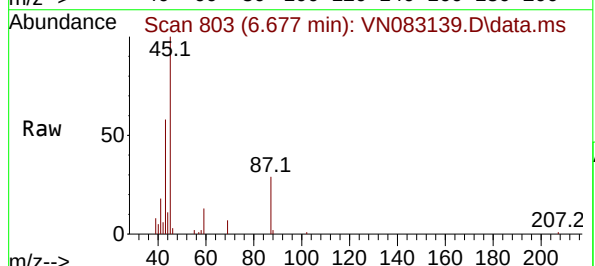
Manual Integrations
APPROVED

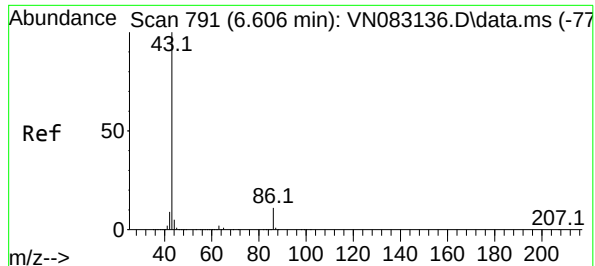
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#22
Diisopropyl ether
Concen: 4.993 ug/l
RT: 6.677 min Scan# 803
Delta R.T. 0.006 min
Lab File: VN083139.D
Acq: 07 Aug 2024 12:10

Tgt Ion: 45 Resp: 39688
Ion Ratio Lower Upper
45 100
43 54.9 44.0 66.0
87 29.0 19.7 29.5
59 13.1 8.5 12.7#





#23

Vinyl Acetate

Concen: 24.856 ug/l m

RT: 6.600 min Scan# 791

Delta R.T. -0.006 min

Lab File: VN083139.D

Acq: 07 Aug 2024 12:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC005

Tgt Ion: 43 Resp: 20247

Ion Ratio Lower Upper

43 100

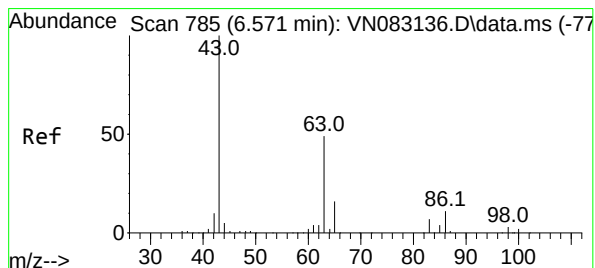
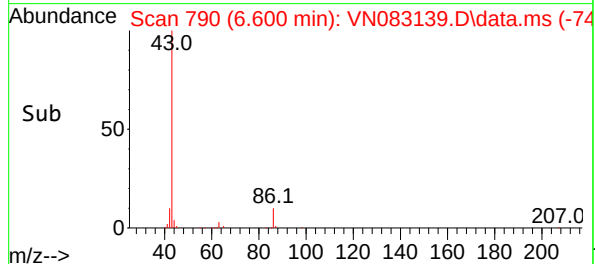
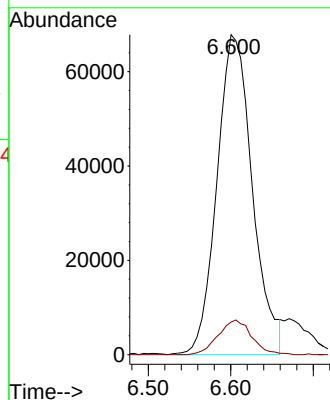
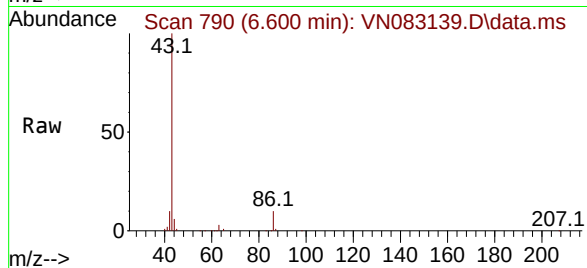
86 10.2 7.3 10.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#24

1,1-Dichloroethane

Concen: 5.091 ug/l

RT: 6.565 min Scan# 784

Delta R.T. -0.006 min

Lab File: VN083139.D

Acq: 07 Aug 2024 12:10

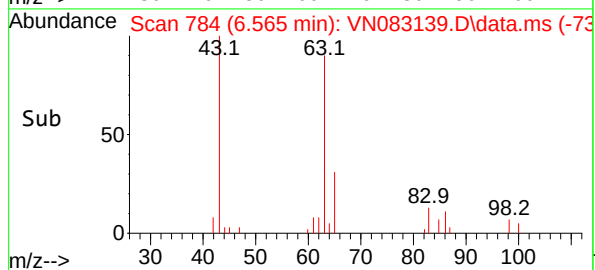
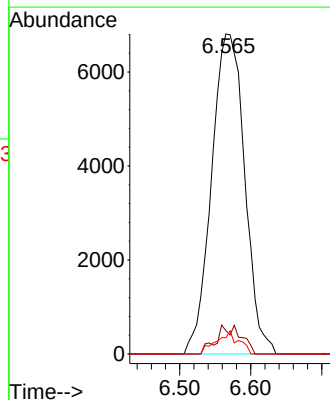
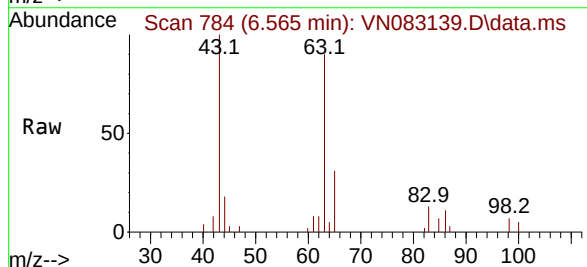
Tgt Ion: 63 Resp: 22058

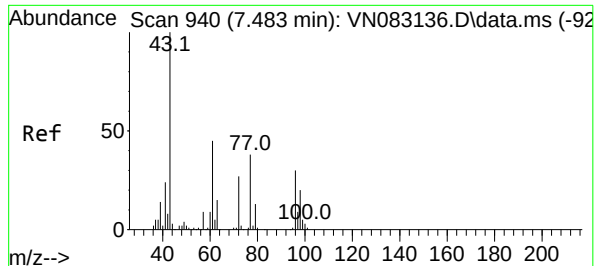
Ion Ratio Lower Upper

63 100

98 7.3 3.3 9.9

100 5.0 2.0 6.0





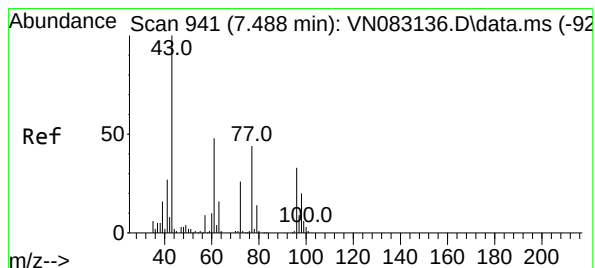
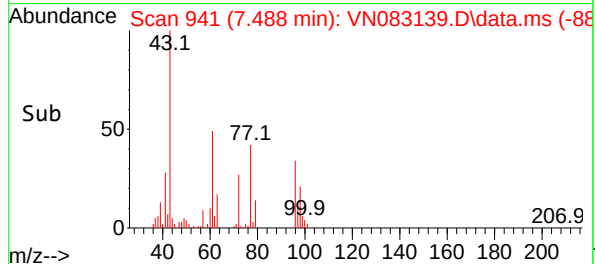
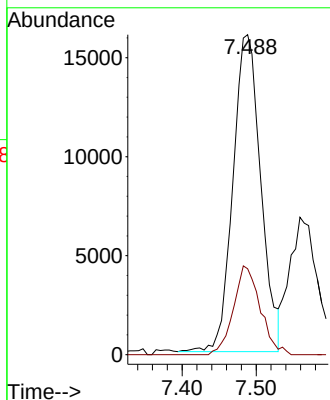
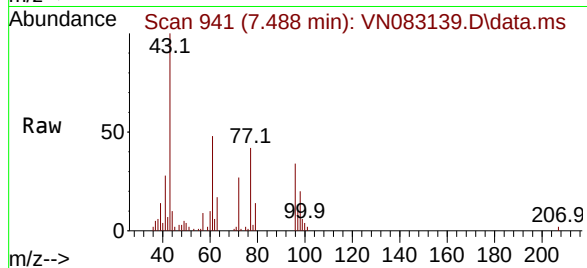
#25
2-Butanone
Concen: 24.185 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN083139.D
Acq: 07 Aug 2024 12:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 41750
Ion Ratio Lower Upper
43 100
72 27.1 18.2 27.2

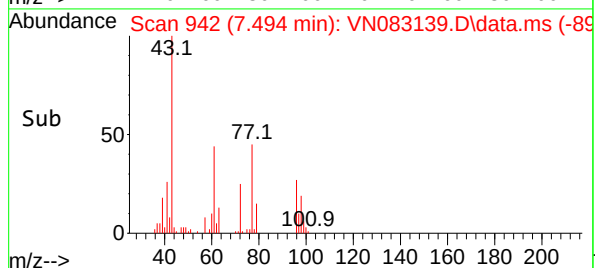
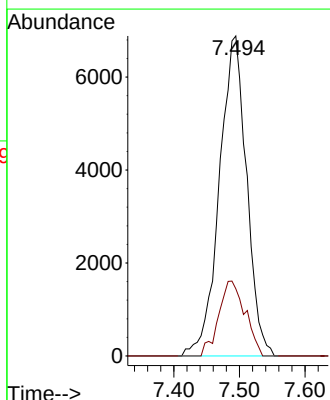
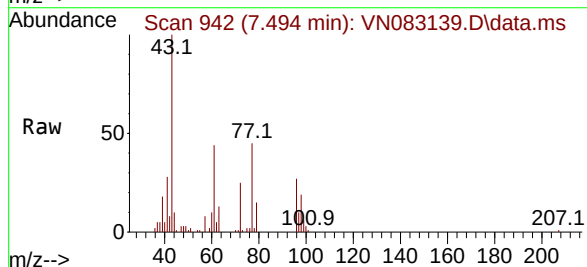
Manual Integrations
APPROVED

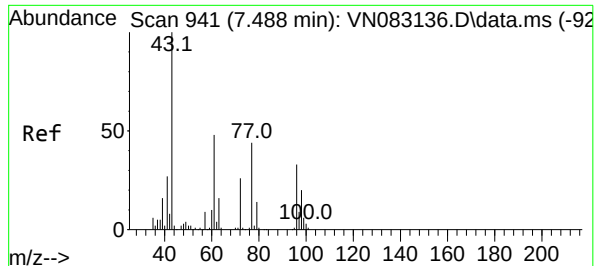
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#26
2,2-Dichloropropane
Concen: 4.937 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.006 min
Lab File: VN083139.D
Acq: 07 Aug 2024 12:10

Tgt Ion: 77 Resp: 19864
Ion Ratio Lower Upper
77 100
97 22.7 10.3 30.9





#27

cis-1,2-Dichloroethene

Concen: 4.967 ug/l

RT: 7.483 min Scan# 941

Delta R.T. -0.006 min

Lab File: VN083139.D

Acq: 07 Aug 2024 12:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC005

Tgt Ion: 96 Resp: 1386

Ion Ratio Lower Upper

96 100

61 154.7 0.0 329.6

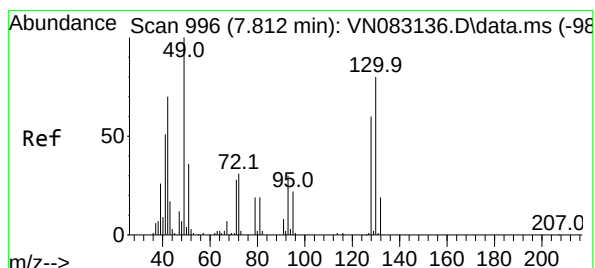
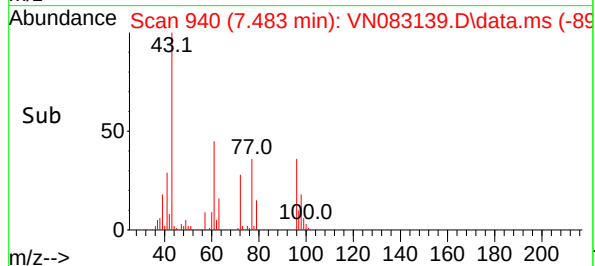
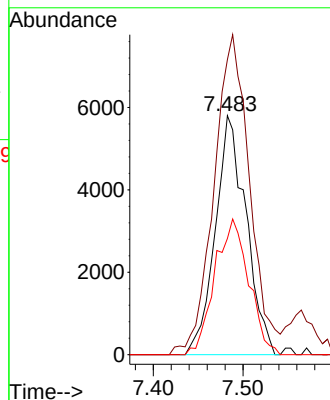
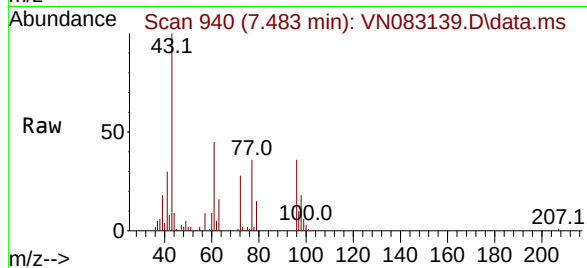
98 62.6 0.0 128.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#28

Bromochloromethane

Concen: 5.577 ug/l

RT: 7.812 min Scan# 996

Delta R.T. 0.000 min

Lab File: VN083139.D

Acq: 07 Aug 2024 12:10

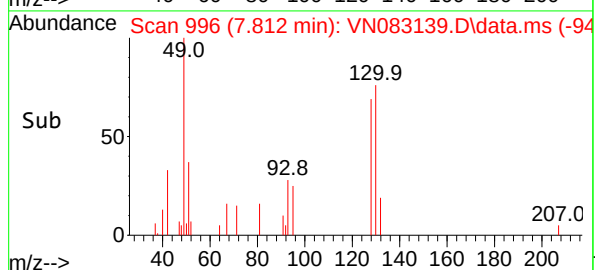
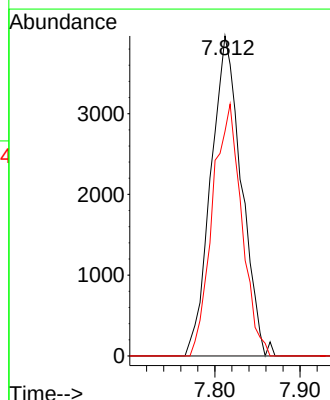
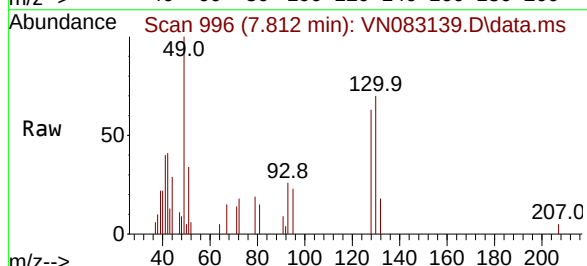
Tgt Ion: 49 Resp: 9874

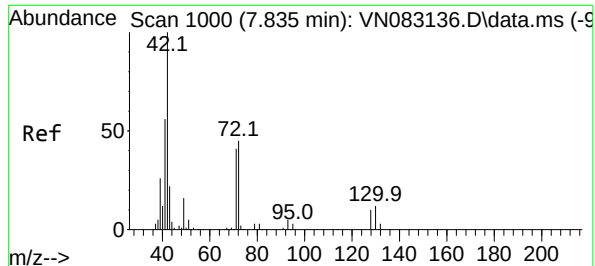
Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

130 75.2 50.5 75.7





#29

Tetrahydrofuran

Concen: 25.324 ug/l

RT: 7.841 min Scan# 1000

Delta R.T. 0.006 min

Lab File: VN083139.D

Acq: 07 Aug 2024 12:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

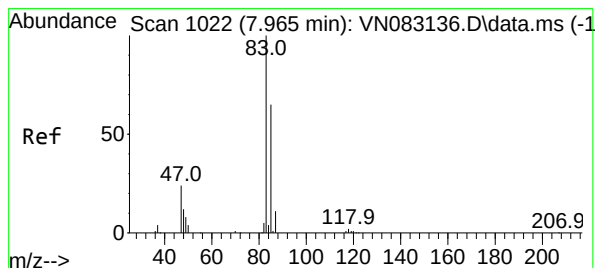
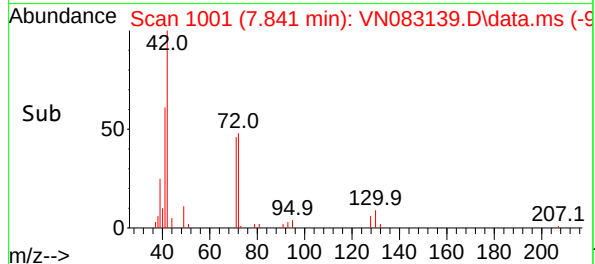
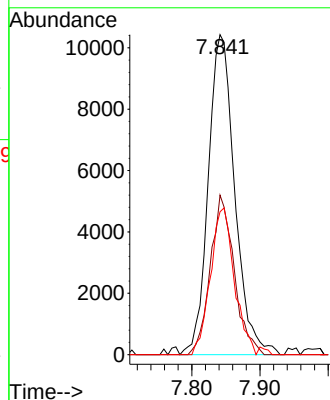
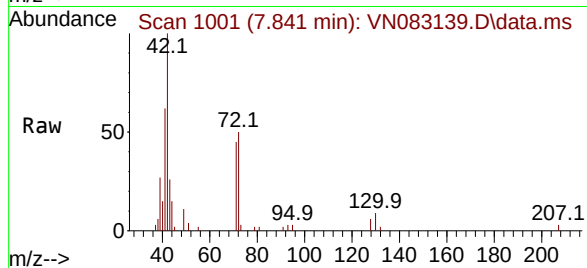
Tgt Ion:	42	Resp:	28260
Ion Ratio	Lower	Upper	
42	100		
72	44.9	30.0	45.0
71	41.3	28.3	42.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#30

Chloroform

Concen: 5.032 ug/l

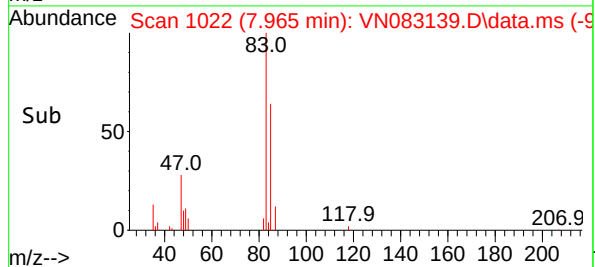
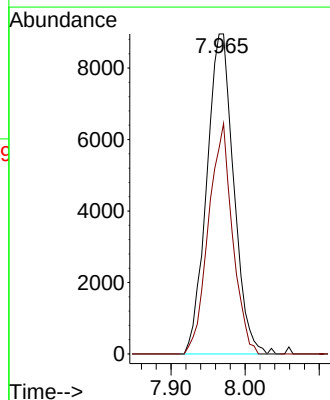
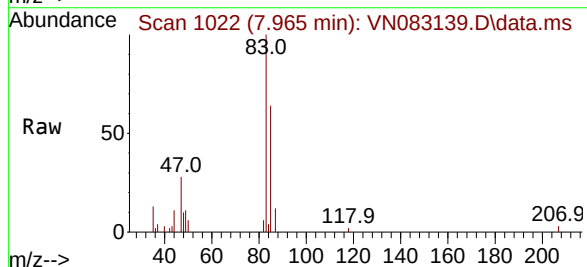
RT: 7.965 min Scan# 1022

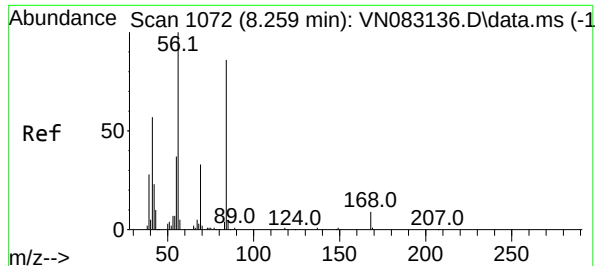
Delta R.T. 0.000 min

Lab File: VN083139.D

Acq: 07 Aug 2024 12:10

Tgt Ion:	83	Resp:	22650
Ion Ratio	Lower	Upper	
83	100		
85	64.3	50.9	76.3





#31

Cyclohexane

Concen: 5.871 ug/l

RT: 8.265 min Scan# 1073

Delta R.T. 0.006 min

Lab File: VN083139.D

Acq: 07 Aug 2024 12:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC005

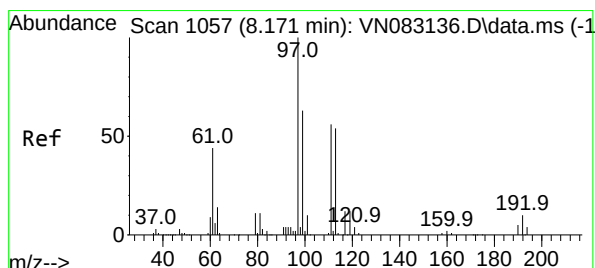
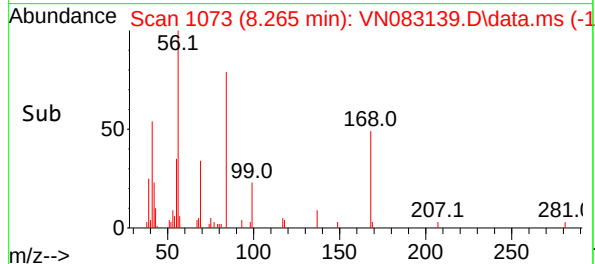
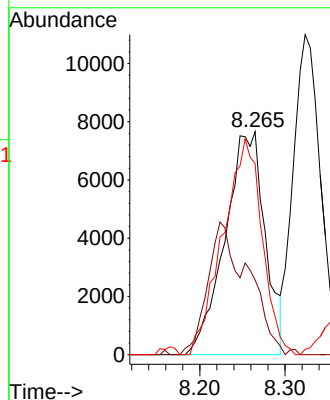
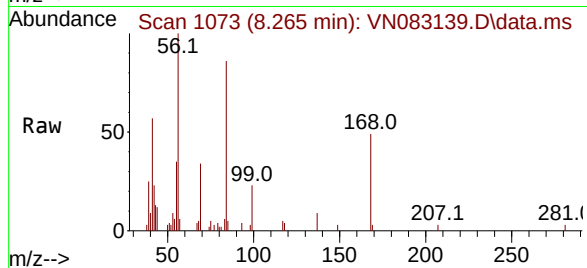
Tgt Ion:	56	Resp:	2499
Ion Ratio	Lower	Upper	
56	100		
69	33.5	24.5	36.7
84	85.8	66.0	99.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#32

1,1,1-Trichloroethane

Concen: 5.123 ug/l

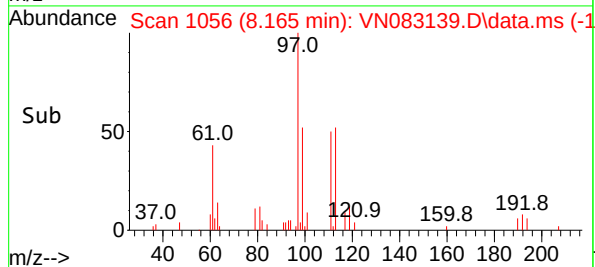
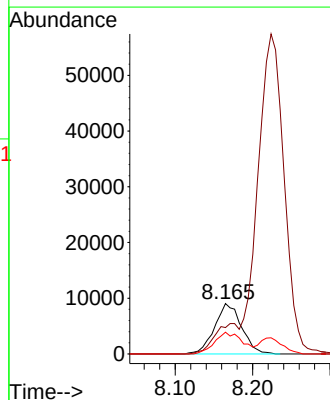
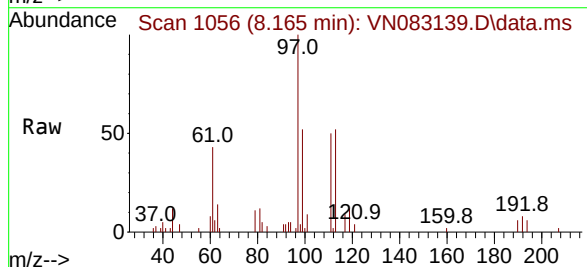
RT: 8.165 min Scan# 1056

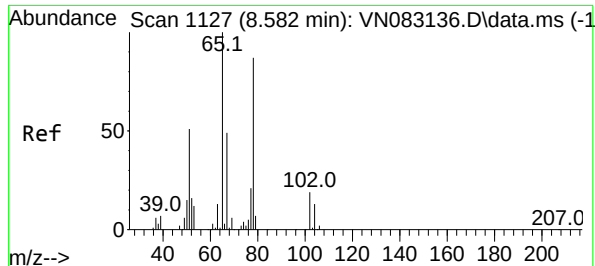
Delta R.T. -0.006 min

Lab File: VN083139.D

Acq: 07 Aug 2024 12:10

Tgt Ion:	97	Resp:	21825
Ion Ratio	Lower	Upper	
97	100		
99	0.0	52.0	78.0
61	44.1	42.1	63.1





#33

1,2-Dichloroethane-d4

Concen: 5.522 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN083139.D

Acq: 07 Aug 2024 12:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC005

Tgt Ion: 65 Resp: 1586

Ion Ratio Lower Upper

65 100

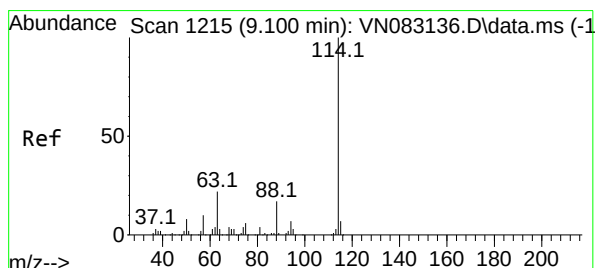
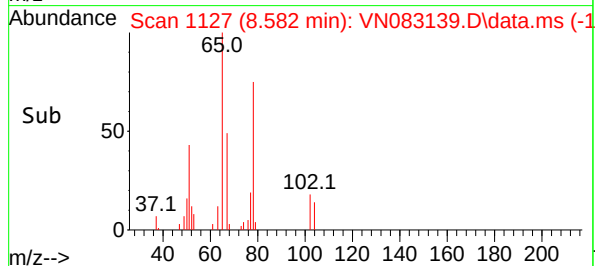
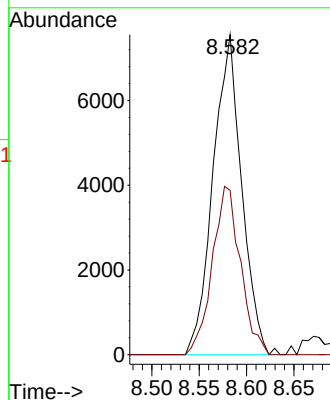
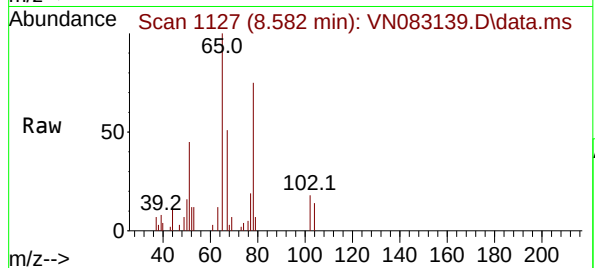
67 51.8 0.0 104.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN083139.D

Acq: 07 Aug 2024 12:10

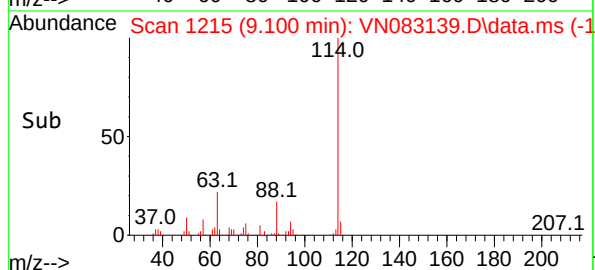
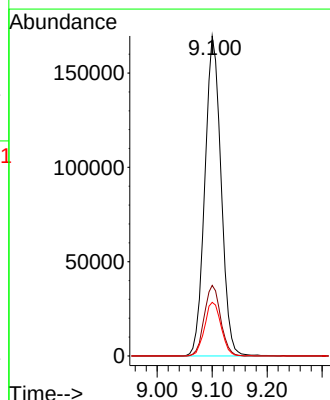
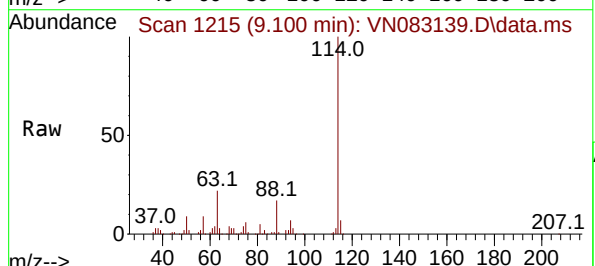
Tgt Ion:114 Resp: 347562

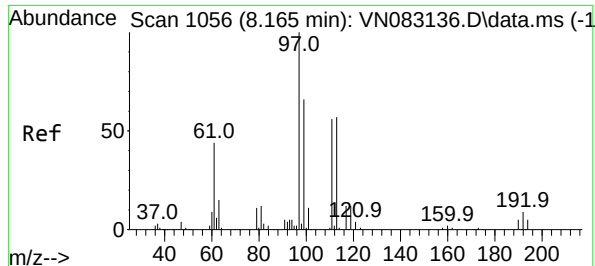
Ion Ratio Lower Upper

114 100

63 22.1 0.0 44.6

88 16.8 0.0 31.4





#35

Dibromofluoromethane

Concen: 5.549 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. -0.006 min

Lab File: VN083139.D

Acq: 07 Aug 2024 12:10

Instrument :

MSVOA_N

ClientSampleId :

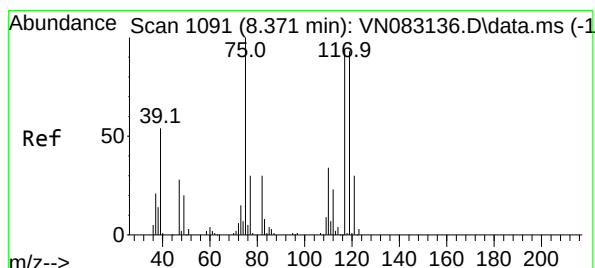
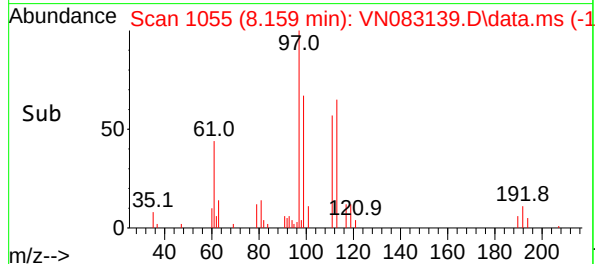
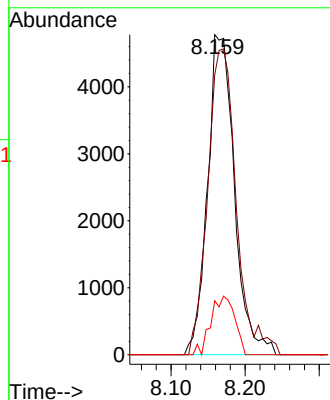
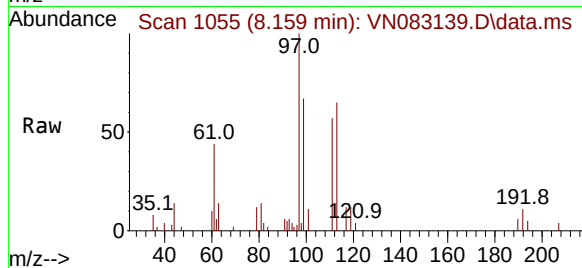
VSTDIC005

Tgt Ion:	113	Resp:	12039
Ion	Ratio	Lower	Upper
113	100		
111	101.4	82.4	123.6
192	16.2	14.9	22.3

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#36

1,1-Dichloropropene

Concen: 4.907 ug/l

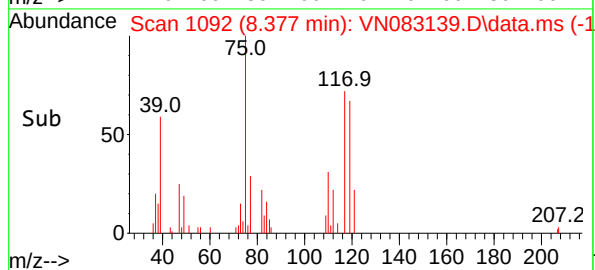
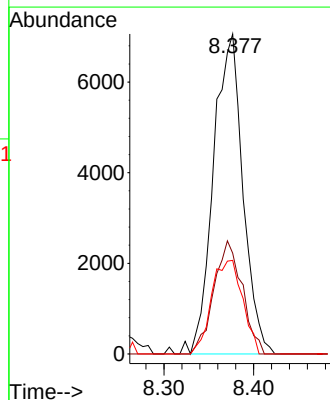
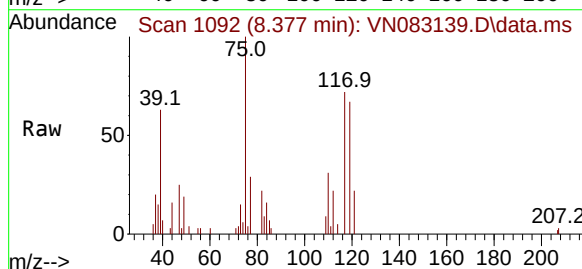
RT: 8.377 min Scan# 1092

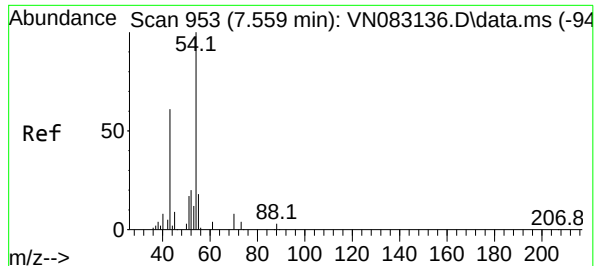
Delta R.T. 0.006 min

Lab File: VN083139.D

Acq: 07 Aug 2024 12:10

Tgt Ion:	75	Resp:	16102
Ion	Ratio	Lower	Upper
75	100		
110	34.1	16.3	48.9
77	30.8	24.6	37.0





#37

Ethyl Acetate

Concen: 4.874 ug/l

RT: 7.559 min Scan# 91

Delta R.T. 0.000 min

Lab File: VN083139.D

Acq: 07 Aug 2024 12:10

Instrument :

MSVOA_N

ClientSampleId :

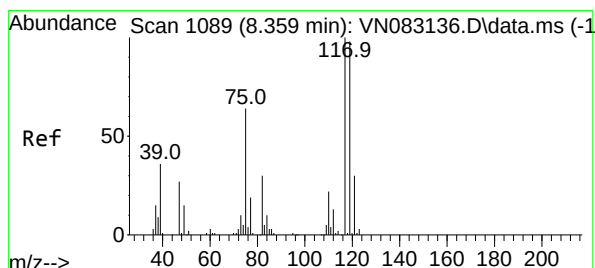
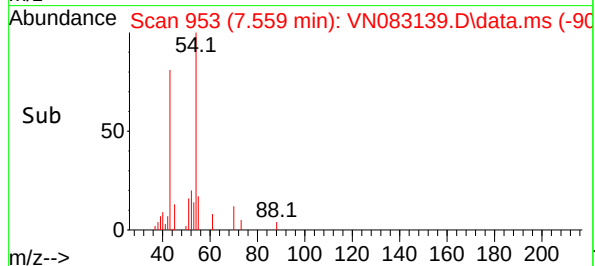
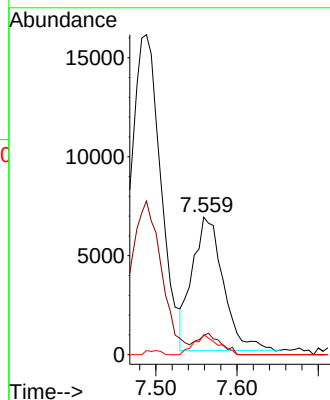
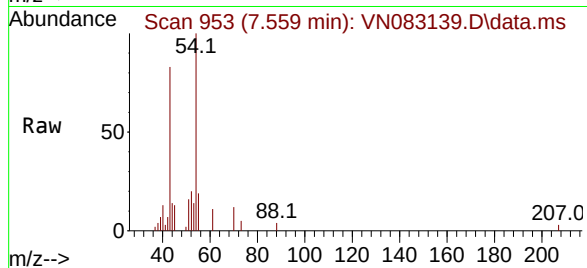
VSTDICC005

Tgt Ion:	43	Resp:	1790
Ion	Ratio	Lower	Upper
43	100		
61	12.1	9.3	13.9
70	11.6	7.0	10.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#38

Carbon Tetrachloride

Concen: 5.067 ug/l

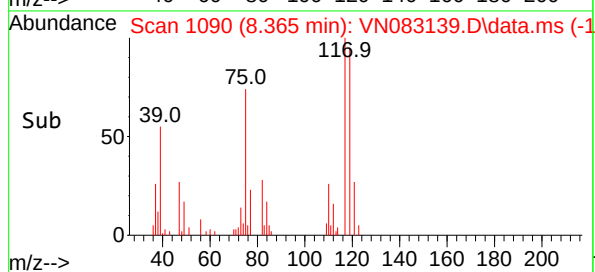
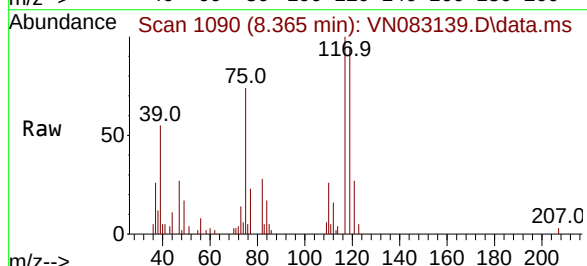
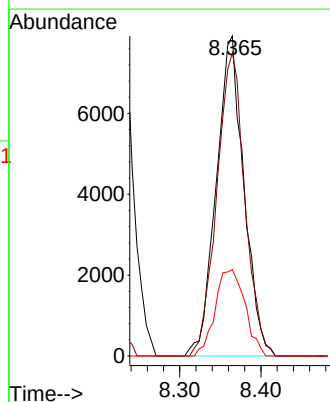
RT: 8.365 min Scan# 1090

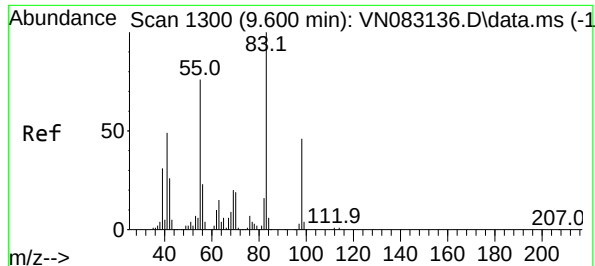
Delta R.T. 0.006 min

Lab File: VN083139.D

Acq: 07 Aug 2024 12:10

Tgt Ion:	117	Resp:	18728
Ion	Ratio	Lower	Upper
117	100		
119	94.8	74.9	112.3
121	27.0	24.3	36.5





#39

Methylcyclohexane

Concen: 4.957 ug/l

RT: 9.600 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VN083139.D

Acq: 07 Aug 2024 12:10

Instrument :

MSVOA_N

ClientSampleId :

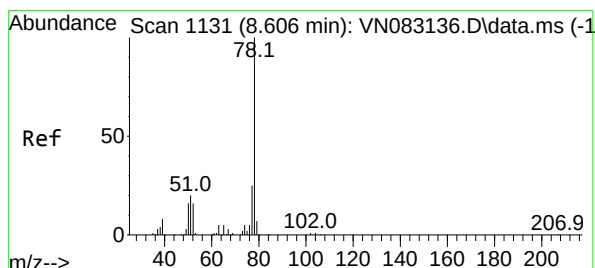
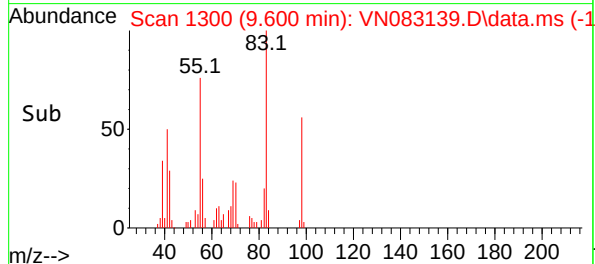
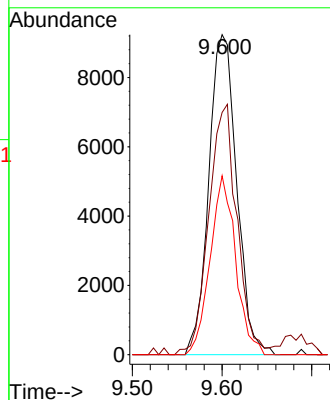
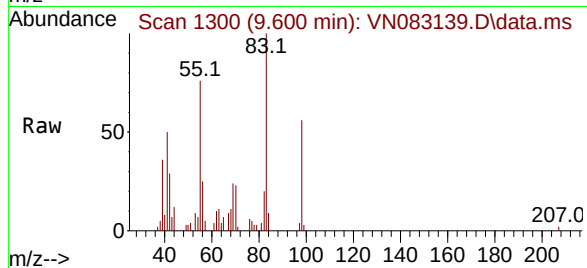
VSTDIC005

Tgt Ion:	83	Resp:	1998
Ion	Ratio	Lower	Upper
83	100		
55	74.1	66.4	99.6
98	55.9	40.7	61.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#40

Benzene

Concen: 4.988 ug/l

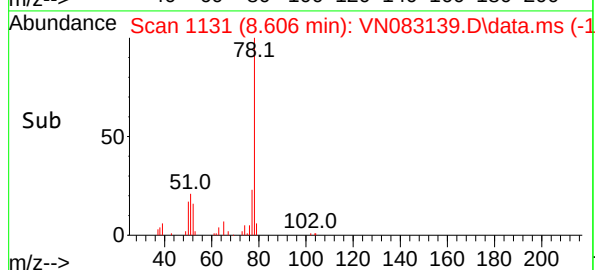
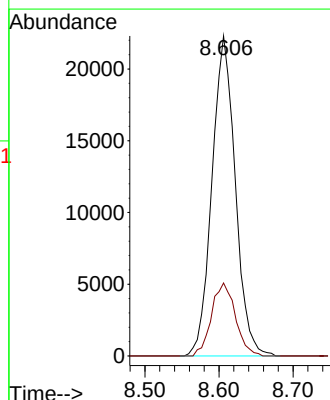
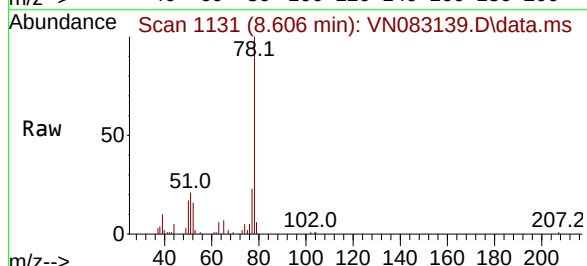
RT: 8.606 min Scan# 1131

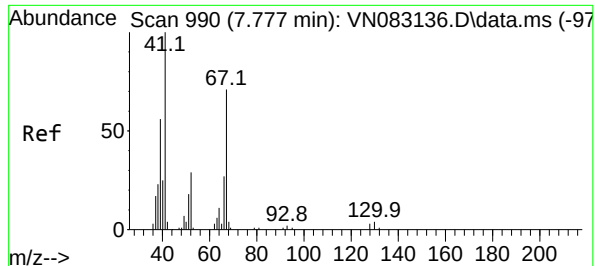
Delta R.T. 0.000 min

Lab File: VN083139.D

Acq: 07 Aug 2024 12:10

Tgt Ion:	78	Resp:	48765
Ion	Ratio	Lower	Upper
78	100		
77	22.8	19.0	28.4





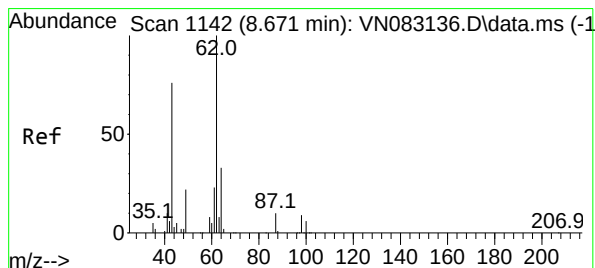
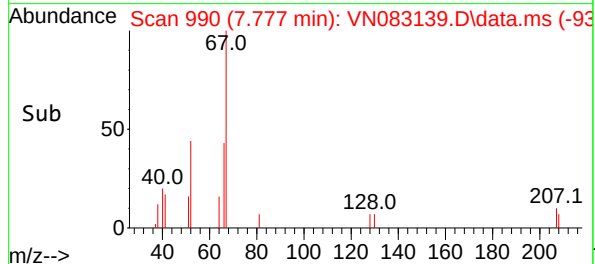
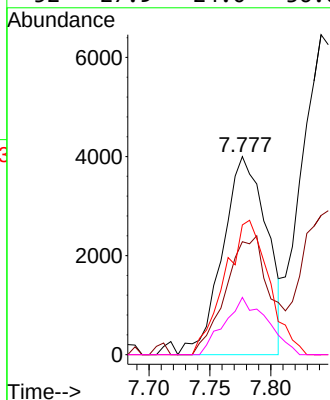
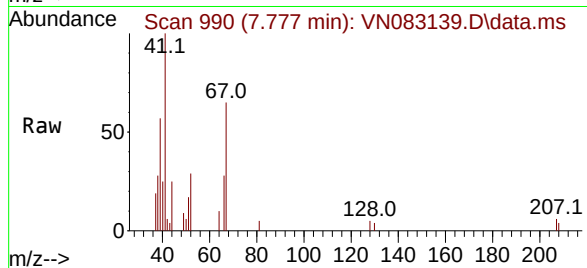
#41
Methacrylonitrile
Concen: 4.828 ug/l
RT: 7.777 min Scan# 990
Delta R.T. 0.000 min
Lab File: VN083139.D
Acq: 07 Aug 2024 12:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:	41	Resp:	1008
Ion	Ratio	Lower	Upper
41	100		
39	60.2	45.5	68.3
67	68.2	50.5	75.7
52	27.9	24.0	36.0

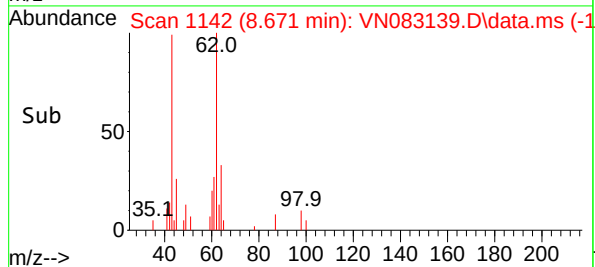
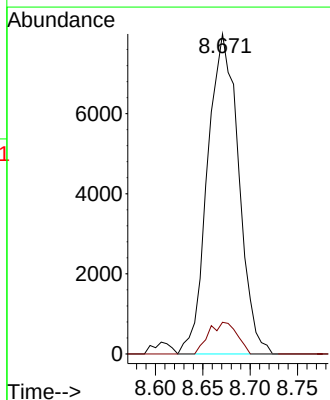
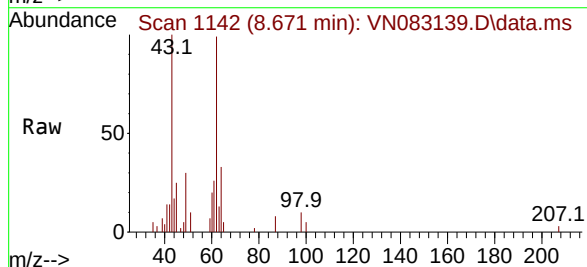
Manual Integrations
APPROVED

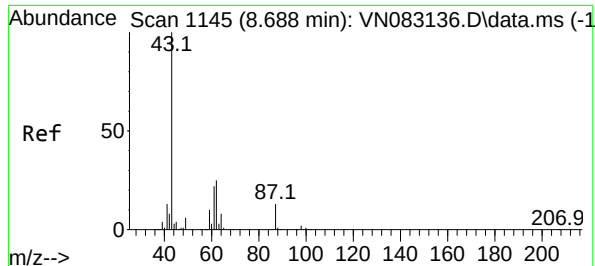
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#42
1,2-Dichloroethane
Concen: 5.116 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VN083139.D
Acq: 07 Aug 2024 12:10

Tgt Ion:	62	Resp:	18219
Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	15.8





#43

Isopropyl Acetate

Concen: 5.438 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.006 min

Lab File: VN083139.D

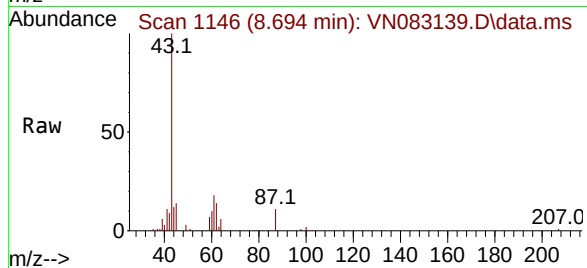
Acq: 07 Aug 2024 12:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC005

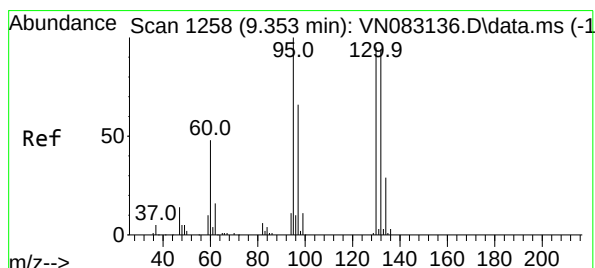
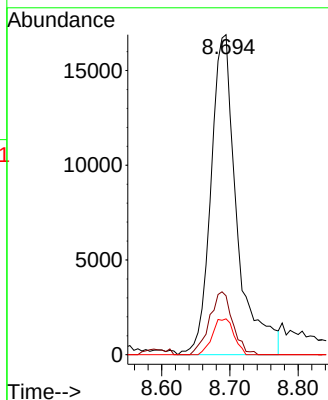
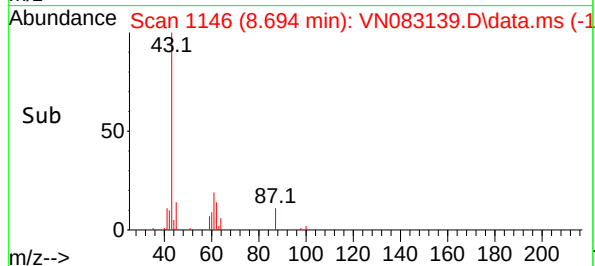


Tgt Ion:	43	Resp:	4481
Ion	Ratio	Lower	Upper
43	100		
61	17.5	17.8	26.6
87	9.2	8.2	12.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#44

Trichloroethene

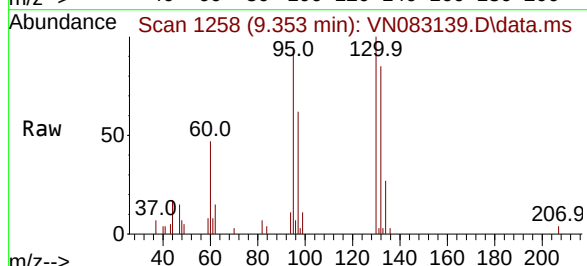
Concen: 5.084 ug/l

RT: 9.353 min Scan# 1258

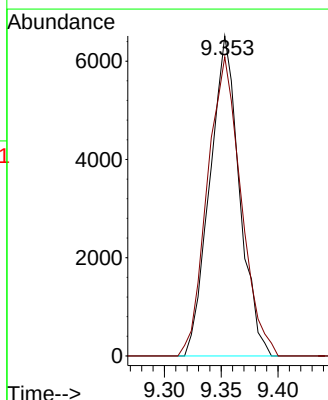
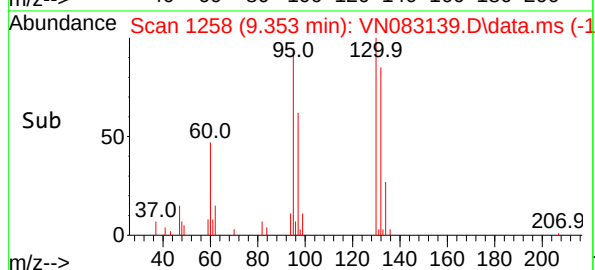
Delta R.T. 0.000 min

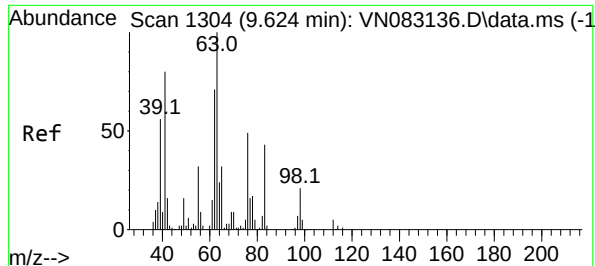
Lab File: VN083139.D

Acq: 07 Aug 2024 12:10



Tgt Ion:	130	Resp:	11830
Ion	Ratio	Lower	Upper
130	100		
95	93.4	0.0	197.8





#45

1,2-Dichloropropane

Concen: 4.878 ug/l

RT: 9.624 min Scan# 11320

Delta R.T. 0.000 min

Lab File: VN083139.D

Acq: 07 Aug 2024 12:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC005

Tgt Ion: 63 Resp: 11320

Ion Ratio Lower Upper

63 100

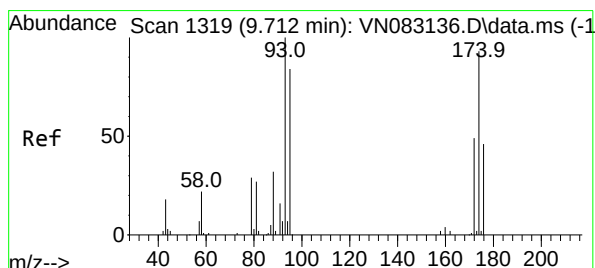
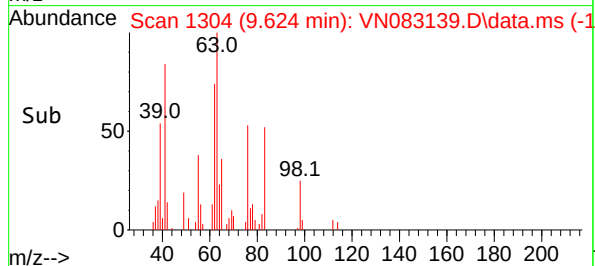
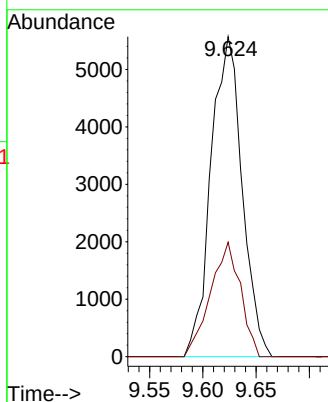
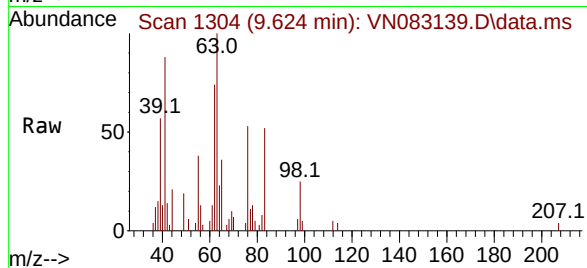
65 35.7 24.4 36.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#46

Dibromomethane

Concen: 5.079 ug/l

RT: 9.712 min Scan# 1319

Delta R.T. 0.000 min

Lab File: VN083139.D

Acq: 07 Aug 2024 12:10

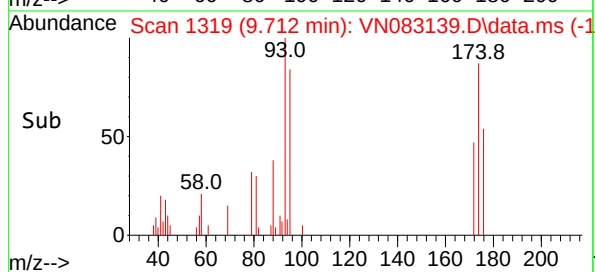
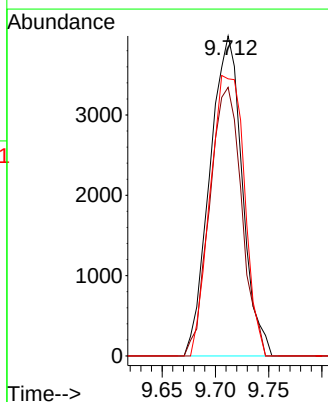
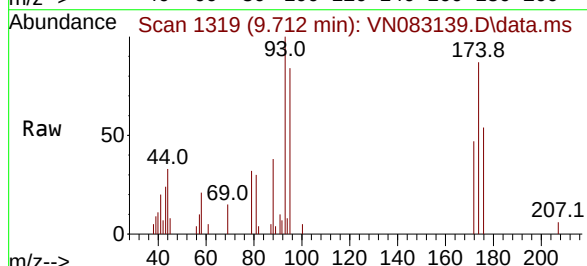
Tgt Ion: 93 Resp: 8436

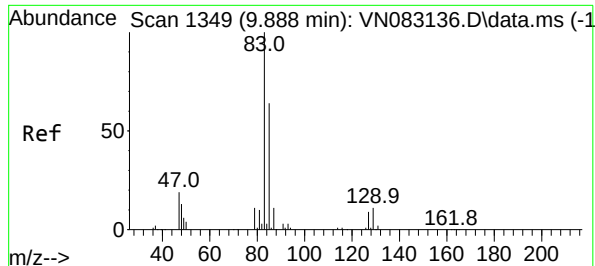
Ion Ratio Lower Upper

93 100

95 82.9 65.8 98.6

174 92.2 71.7 107.5





#47

Bromodichloromethane

Concen: 5.040 ug/l

RT: 9.888 min Scan# 1349

Delta R.T. 0.000 min

Lab File: VN083139.D

Acq: 07 Aug 2024 12:10

Instrument :

MSVOA_N

ClientSampleId :

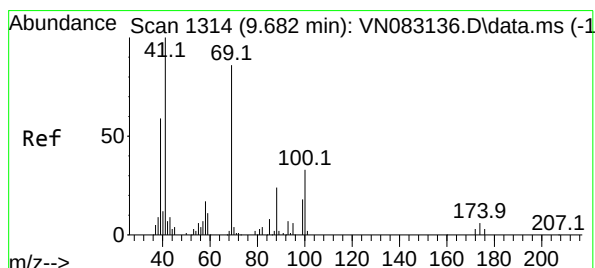
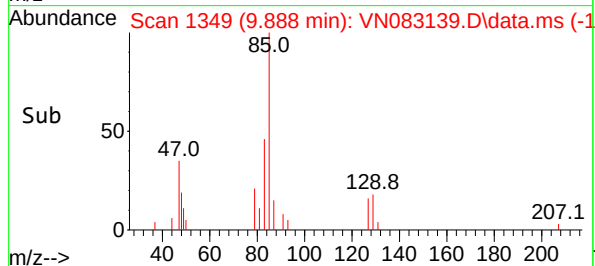
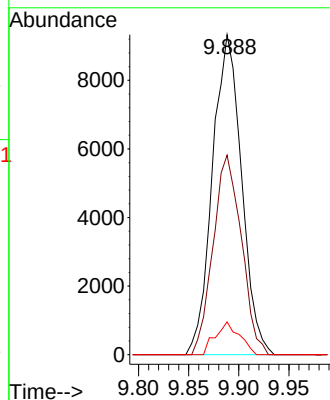
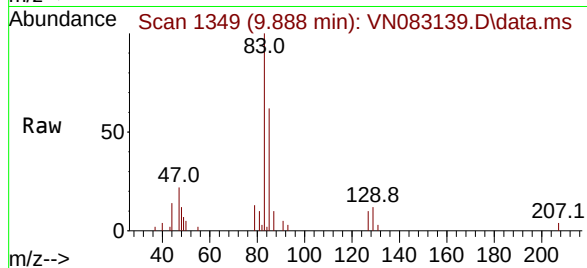
VSTDICC005

Tgt Ion:	83	Resp:	1879
Ion	Ratio	Lower	Upper
83	100		
85	62.3	51.1	76.7
127	10.3	7.2	10.8

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#48

Methyl methacrylate

Concen: 4.840 ug/l

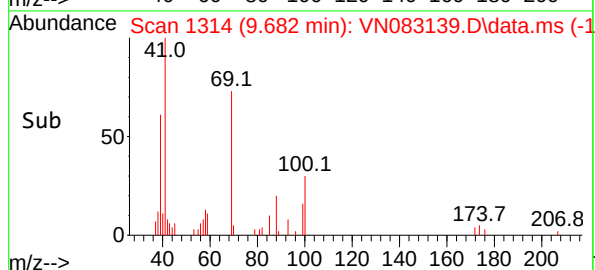
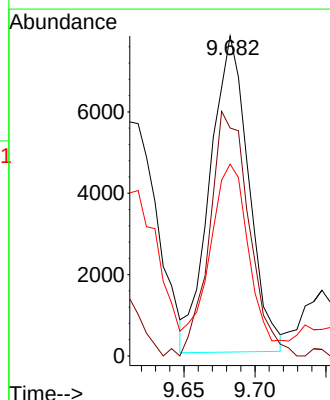
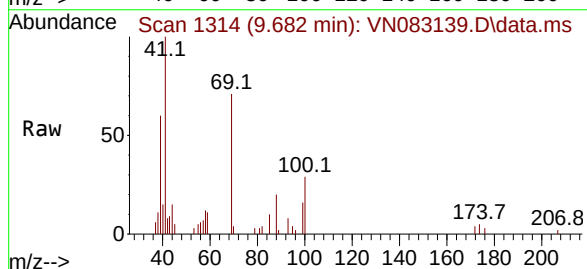
RT: 9.682 min Scan# 1314

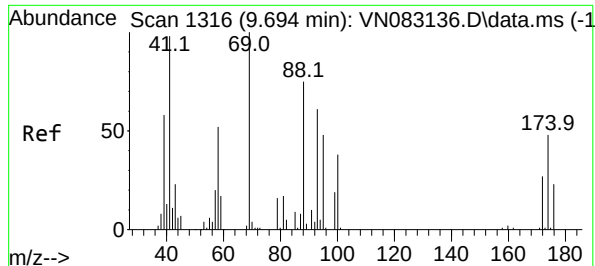
Delta R.T. 0.000 min

Lab File: VN083139.D

Acq: 07 Aug 2024 12:10

Tgt Ion:	41	Resp:	14704
Ion	Ratio	Lower	Upper
41	100		
69	79.2	56.3	84.5
39	63.9	50.3	75.5





#49

1,4-Dioxane

Concen: 95.593 ug/l

RT: 9.694 min Scan# 1316

Delta R.T. 0.000 min

Lab File: VN083139.D

Acq: 07 Aug 2024 12:10

Instrument :

MSVOA_N

ClientSampleId :

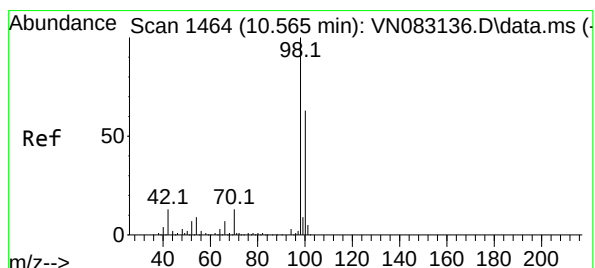
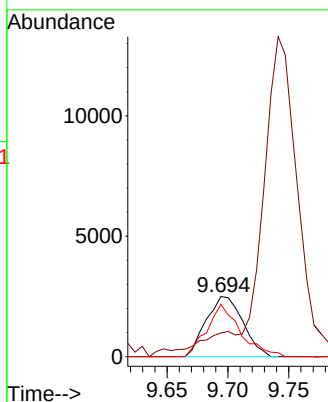
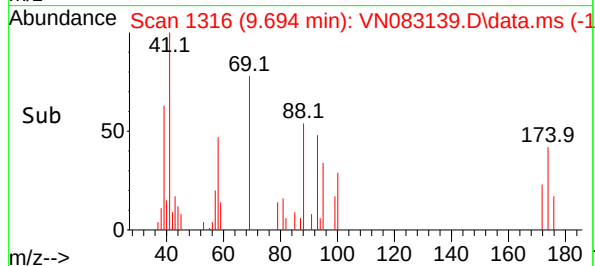
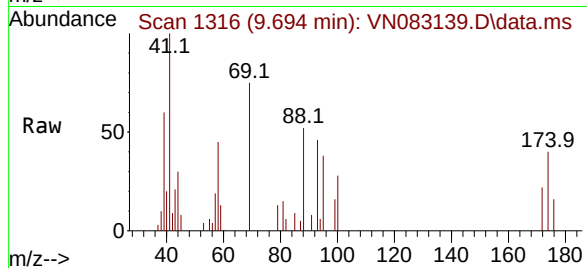
VSTDIC005

Tgt Ion: 88 Resp: 5239
Ion Ratio Lower Upper
88 100
43 0.0 27.8 41.8
58 79.3 59.4 89.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#50

Toluene-d8

Concen: 5.326 ug/l

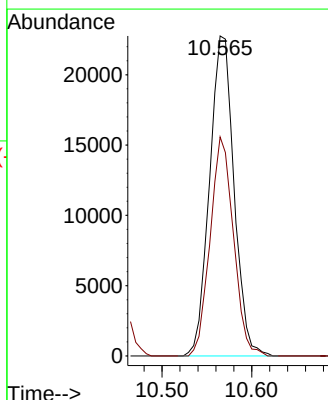
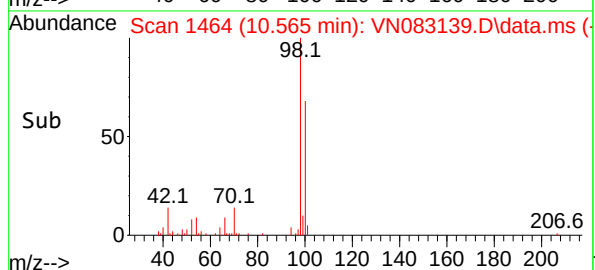
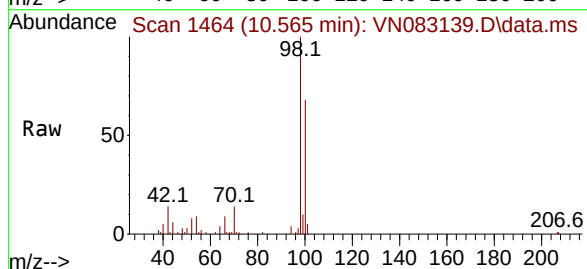
RT: 10.565 min Scan# 1464

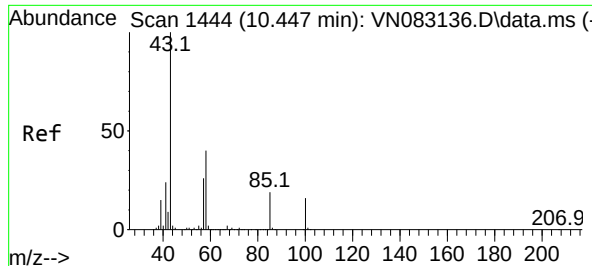
Delta R.T. 0.000 min

Lab File: VN083139.D

Acq: 07 Aug 2024 12:10

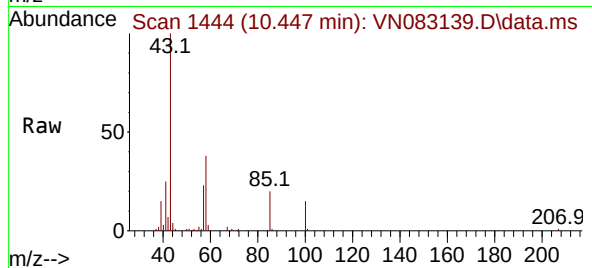
Tgt Ion: 98 Resp: 43104
Ion Ratio Lower Upper
98 100
100 65.2 51.5 77.3





#51
4-Methyl-2-Pentanone
Concen: 24.946 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN083139.D
Acq: 07 Aug 2024 12:10

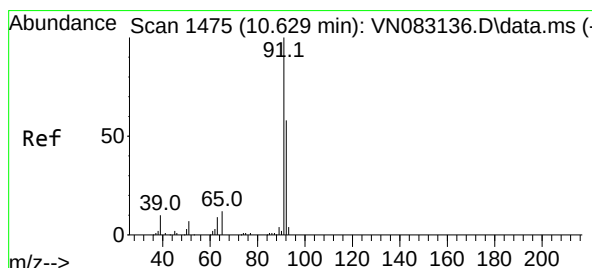
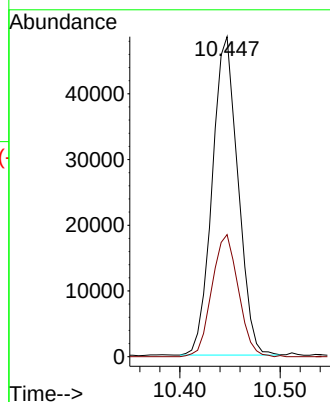
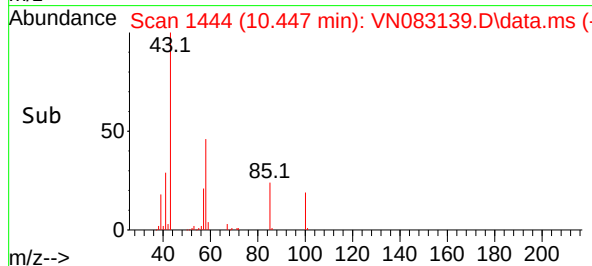
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005



Tgt Ion: 43 Resp: 86679
Ion Ratio Lower Upper
43 100
58 39.3 28.2 42.4

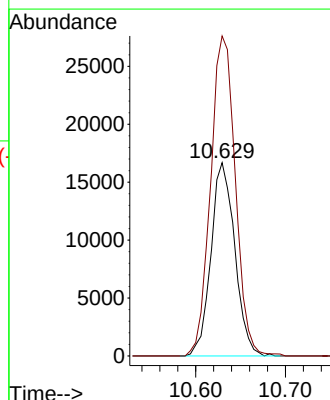
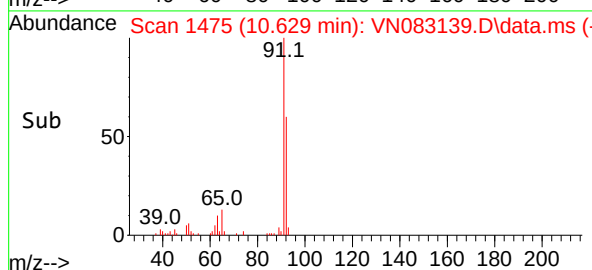
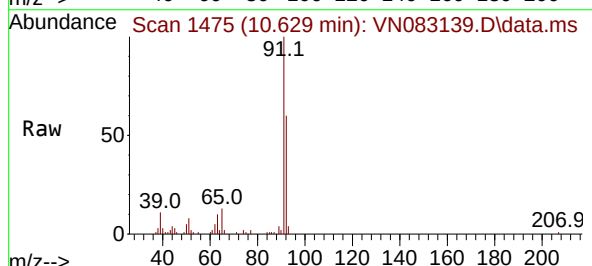
Manual Integrations
APPROVED

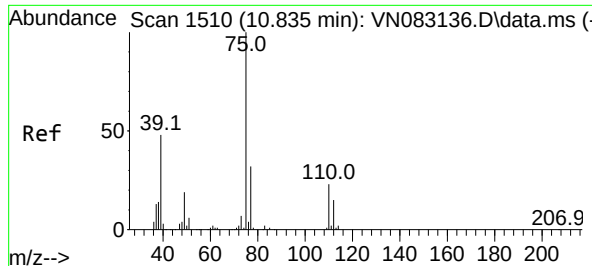
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#52
Toluene
Concen: 4.981 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN083139.D
Acq: 07 Aug 2024 12:10

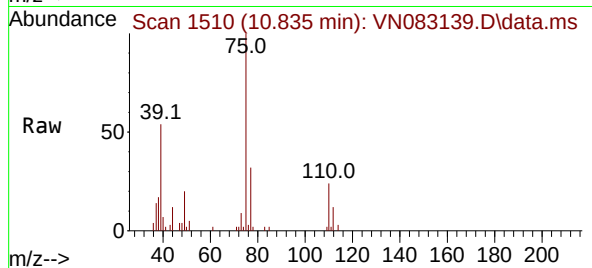
Tgt Ion: 92 Resp: 30769
Ion Ratio Lower Upper
92 100
91 172.3 139.4 209.0





#53
t-1,3-Dichloropropene
Concen: 4.950 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. 0.000 min
Lab File: VN083139.D
Acq: 07 Aug 2024 12:10

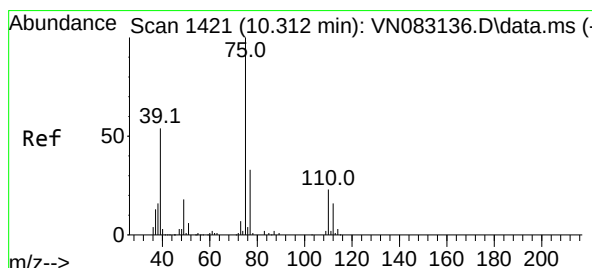
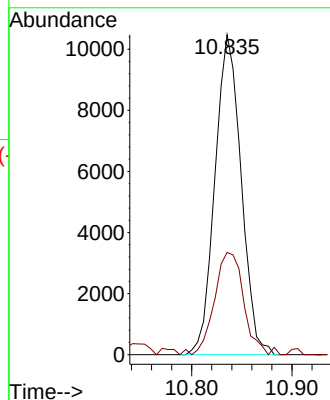
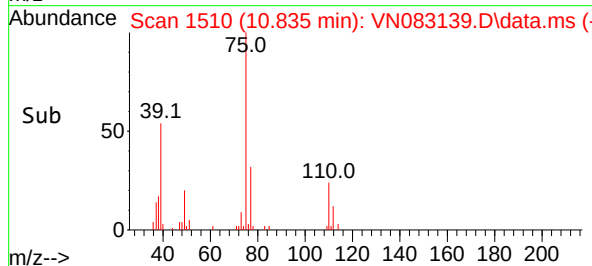
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005



Tgt Ion: 75 Resp: 18964
Ion Ratio Lower Upper
75 100
77 32.0 25.7 38.5

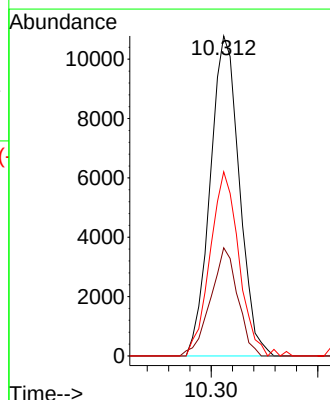
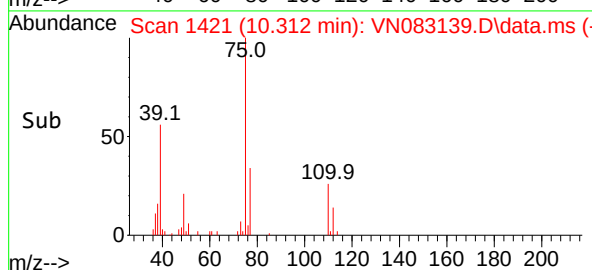
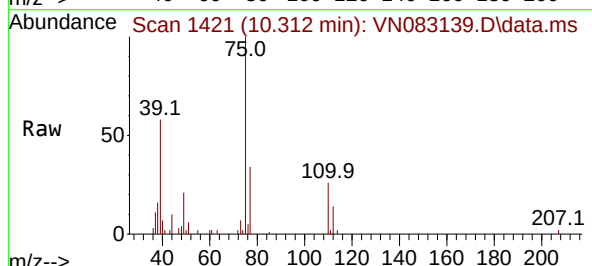
Manual Integrations
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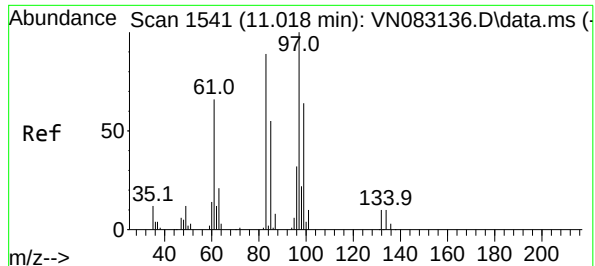
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#54
cis-1,3-Dichloropropene
Concen: 5.014 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.000 min
Lab File: VN083139.D
Acq: 07 Aug 2024 12:10

Tgt Ion: 75 Resp: 20431
Ion Ratio Lower Upper
75 100
77 33.8 24.3 36.5
39 57.5 50.5 75.7





#55

1,1,2-Trichloroethane

Concen: 4.930 ug/l

RT: 11.018 min Scan# 1541

Delta R.T. 0.000 min

Lab File: VN083139.D

Acq: 07 Aug 2024 12:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 97 Resp: 1091

Ion Ratio Lower Upper

97 100

83 91.7 71.4 107.0

85 54.2 45.8 68.6

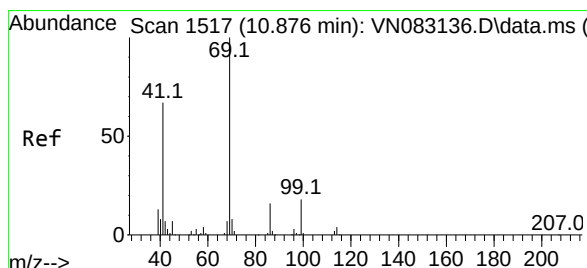
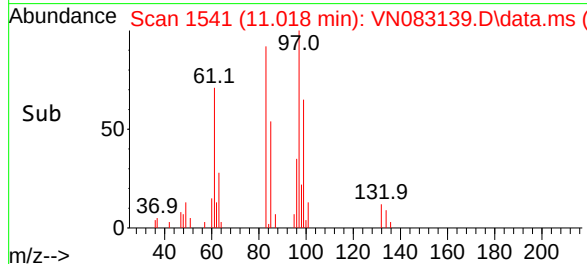
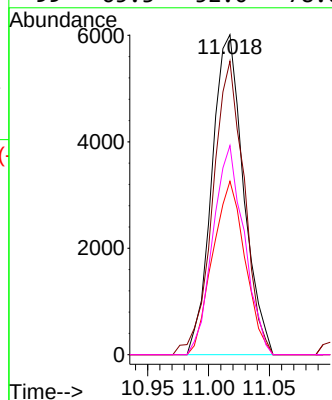
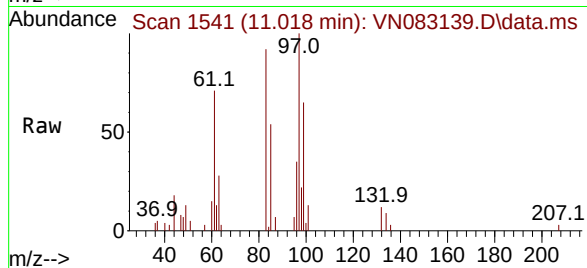
99 65.3 52.0 78.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#56

Ethyl methacrylate

Concen: 4.951 ug/l

RT: 10.876 min Scan# 1517

Delta R.T. 0.000 min

Lab File: VN083139.D

Acq: 07 Aug 2024 12:10

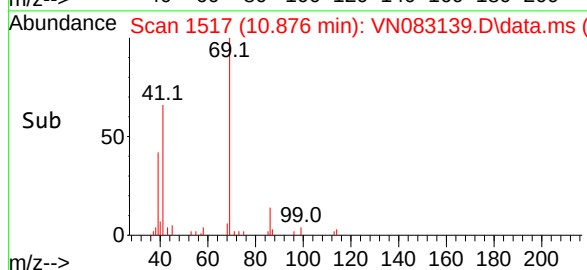
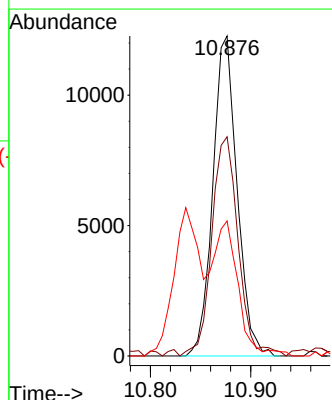
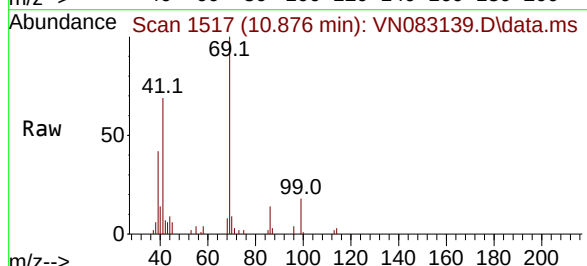
Tgt Ion: 69 Resp: 20661

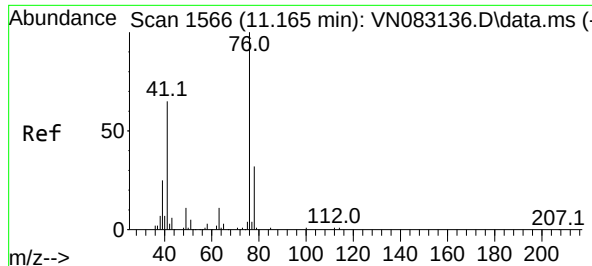
Ion Ratio Lower Upper

69 100

41 74.3 63.4 95.2

39 39.8 37.4 56.0





#57

1,3-Dichloropropane

Concen: 4.799 ug/l

RT: 11.165 min Scan# 1566

Delta R.T. 0.000 min

Lab File: VN083139.D

Acq: 07 Aug 2024 12:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 76 Resp: 18934

Ion Ratio Lower Upper

76 100

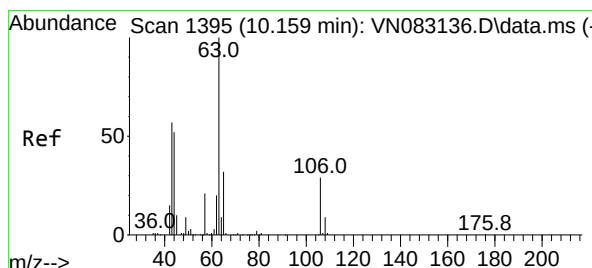
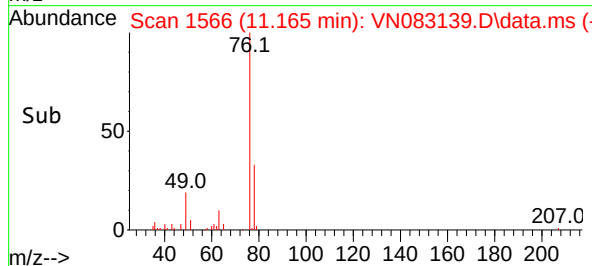
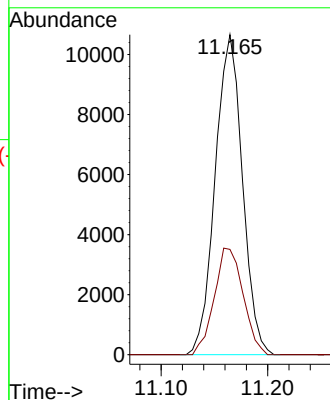
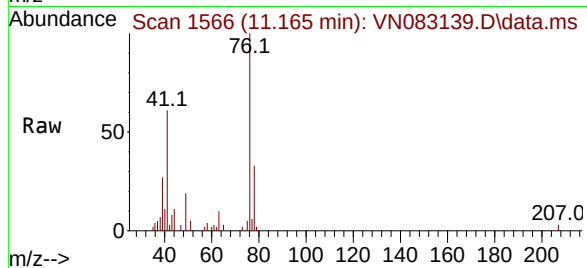
78 35.3 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#58

2-Chloroethyl Vinyl ether

Concen: 24.676 ug/l

RT: 10.159 min Scan# 1395

Delta R.T. 0.000 min

Lab File: VN083139.D

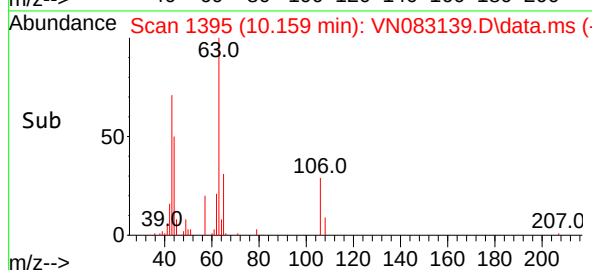
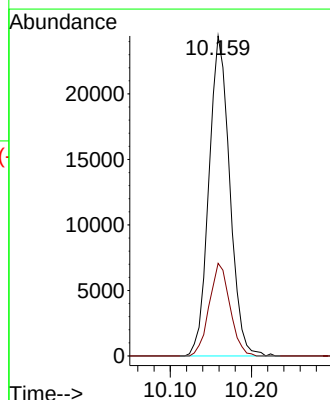
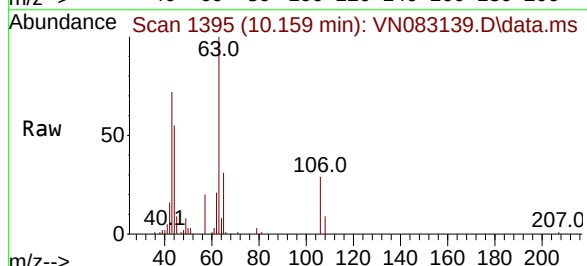
Acq: 07 Aug 2024 12:10

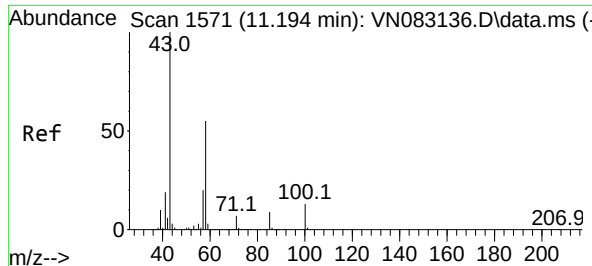
Tgt Ion: 63 Resp: 43528

Ion Ratio Lower Upper

63 100

106 28.8 21.4 32.0





#59

2-Hexanone

Concen: 24.870 ug/l

RT: 11.194 min Scan# 1571

Delta R.T. 0.000 min

Lab File: VN083139.D

Acq: 07 Aug 2024 12:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 66854

Ion Ratio Lower Upper

43 100

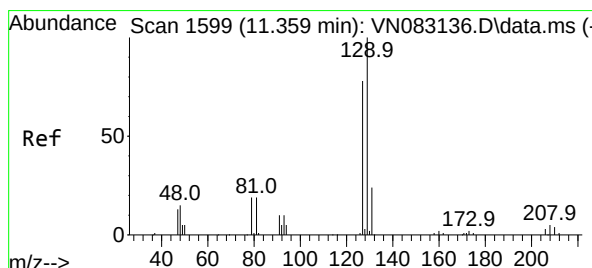
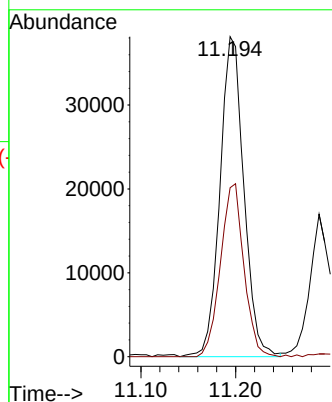
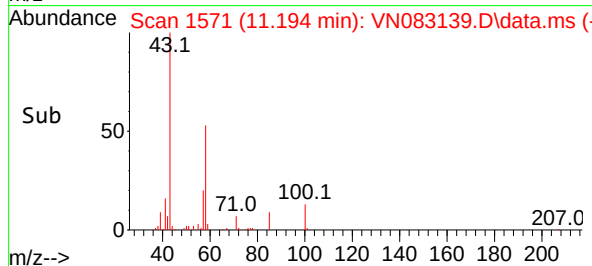
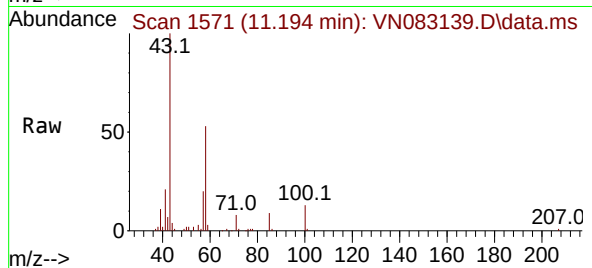
58 52.9 24.6 73.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#60

Dibromochloromethane

Concen: 4.972 ug/l

RT: 11.359 min Scan# 1599

Delta R.T. 0.000 min

Lab File: VN083139.D

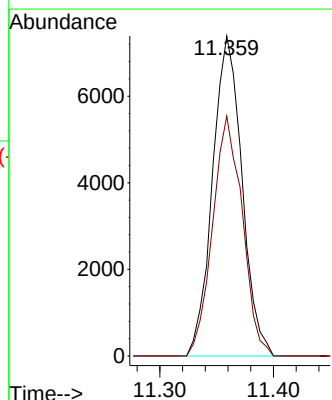
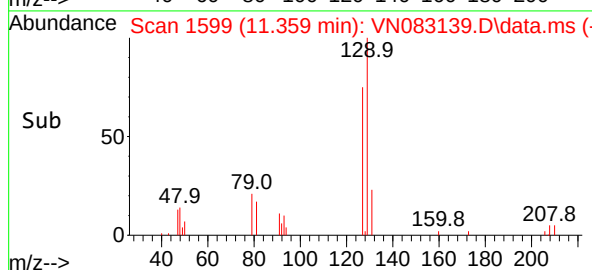
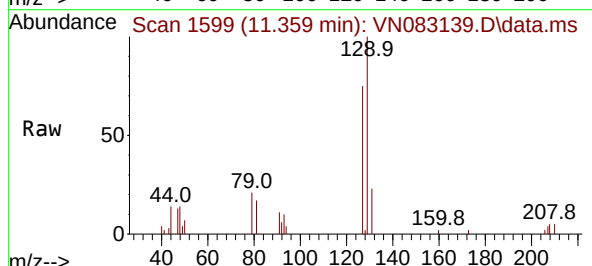
Acq: 07 Aug 2024 12:10

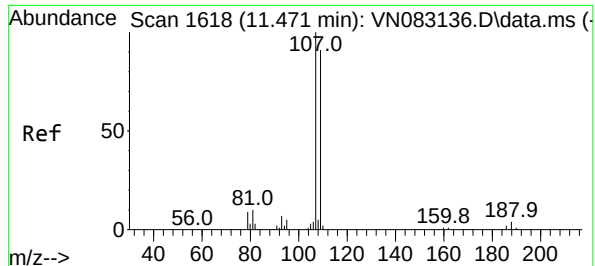
Tgt Ion:129 Resp: 13307

Ion Ratio Lower Upper

129 100

127 75.6 39.2 117.6





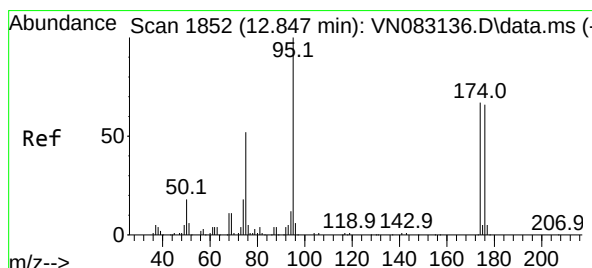
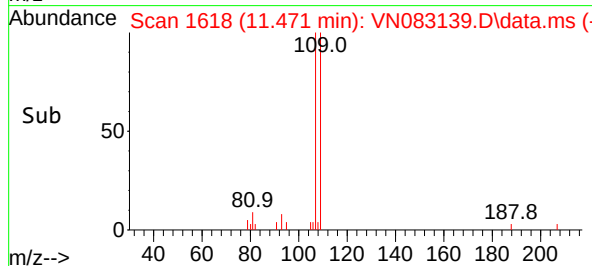
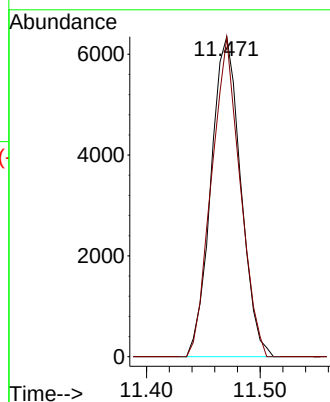
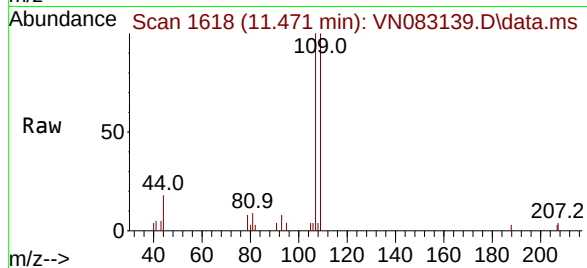
#61
1,2-Dibromoethane
Concen: 4.955 ug/l
RT: 11.471 min Scan# 1618
Delta R.T. 0.000 min
Lab File: VN083139.D
Acq: 07 Aug 2024 12:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion:107 Resp: 1152
Ion Ratio Lower Upper
107 100
109 95.9 73.7 110.5

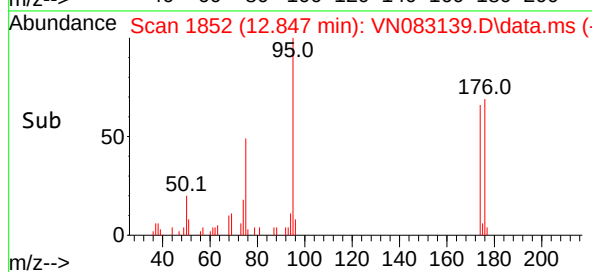
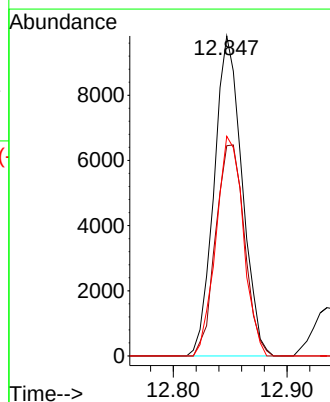
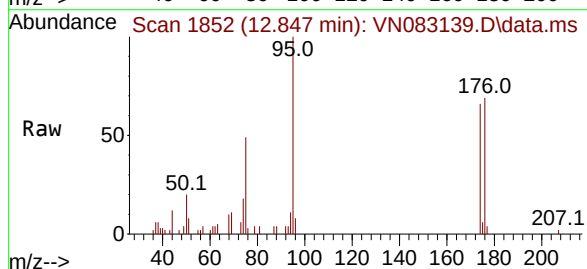
Manual Integrations
APPROVED

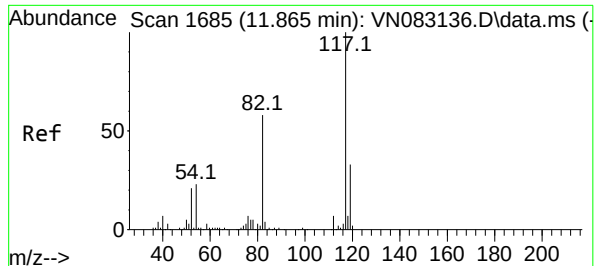
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#62
4-Bromofluorobenzene
Concen: 5.317 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN083139.D
Acq: 07 Aug 2024 12:10

Tgt Ion: 95 Resp: 16776
Ion Ratio Lower Upper
95 100
174 68.1 0.0 159.2
176 67.0 0.0 147.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN083139.D

Acq: 07 Aug 2024 12:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion:117 Resp: 29351

Ion Ratio Lower Upper

117 100

82 62.1 47.5 71.3

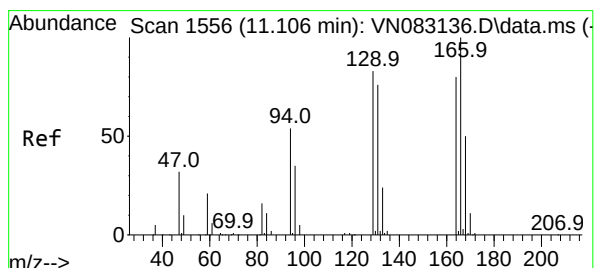
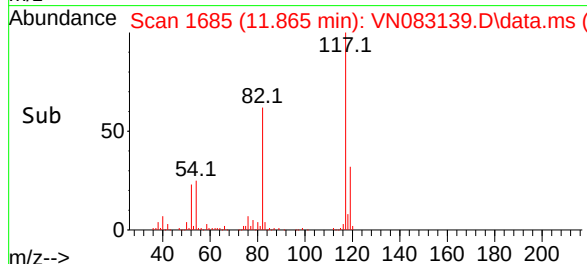
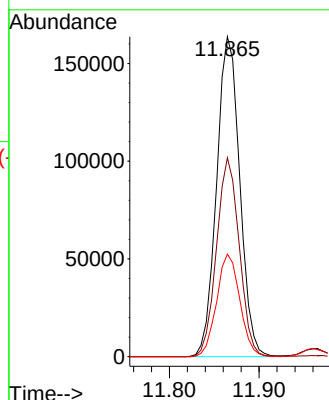
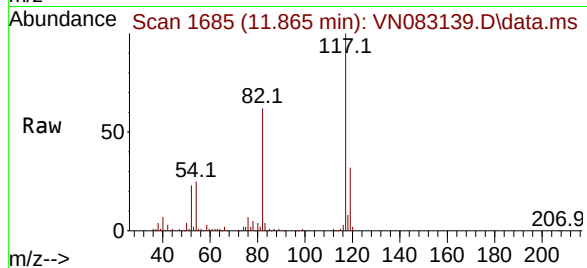
119 32.0 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#64

Tetrachloroethene

Concen: 4.896 ug/l

RT: 11.106 min Scan# 1556

Delta R.T. 0.000 min

Lab File: VN083139.D

Acq: 07 Aug 2024 12:10

Tgt Ion:164 Resp: 9517

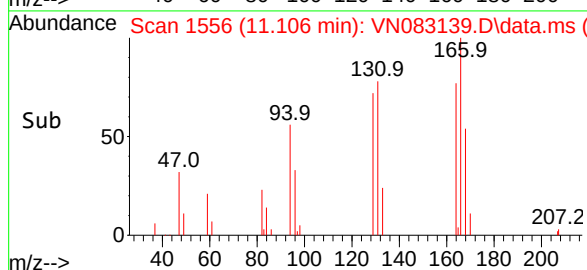
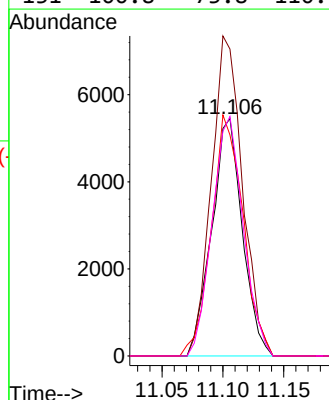
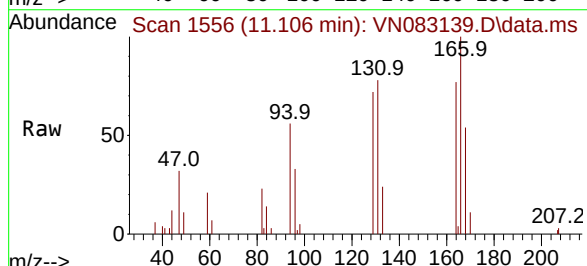
Ion Ratio Lower Upper

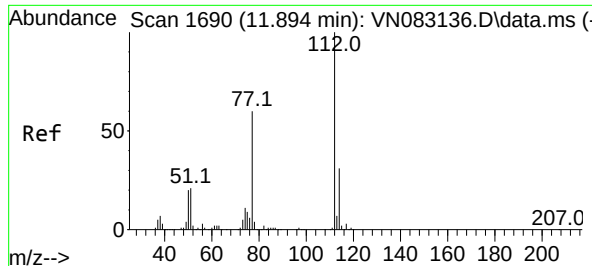
164 100

166 129.2 101.4 152.0

129 93.1 75.7 113.5

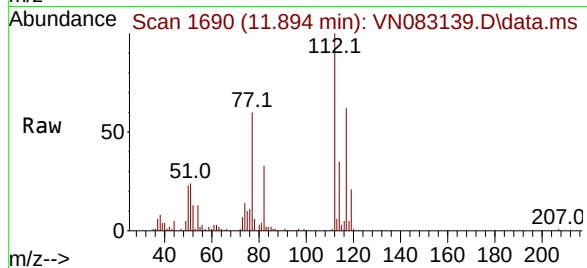
131 100.8 73.8 110.6





#65
Chlorobenzene
Concen: 4.951 ug/l
RT: 11.894 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN083139.D
Acq: 07 Aug 2024 12:10

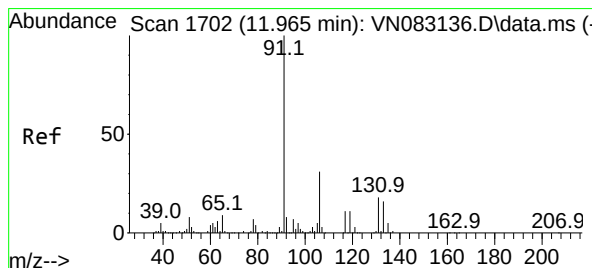
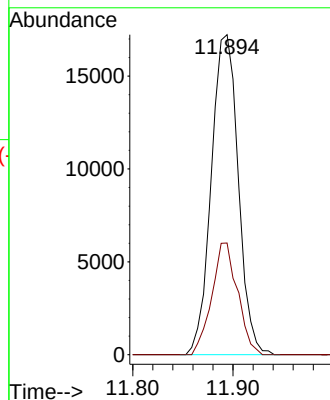
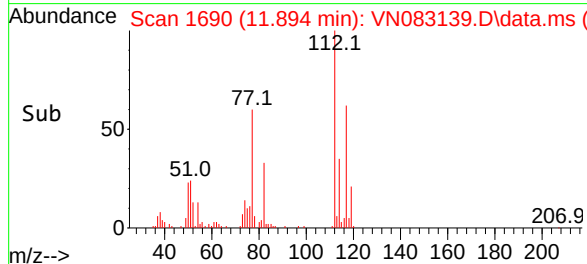
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005



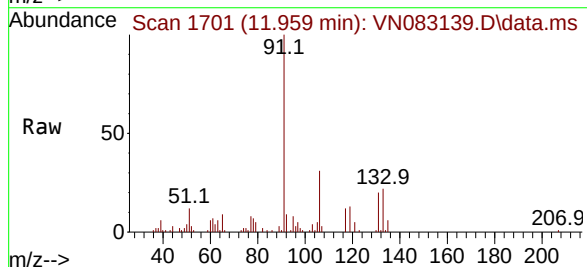
Tgt Ion:112 Resp: 32114
Ion Ratio Lower Upper
112 100
114 34.9 26.2 39.2

Manual Integrations
APPROVED

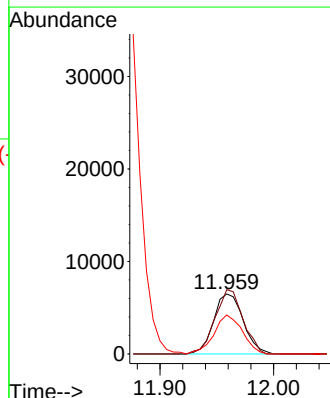
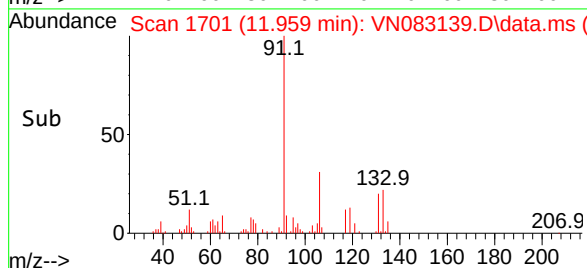
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024

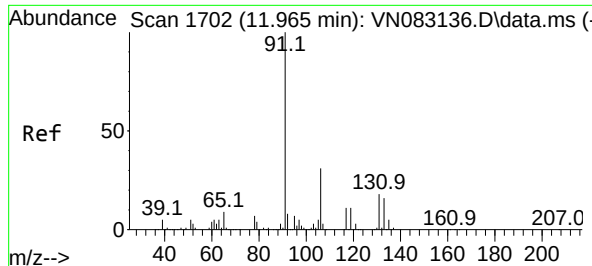


#66
1,1,1,2-Tetrachloroethane
Concen: 5.140 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.006 min
Lab File: VN083139.D
Acq: 07 Aug 2024 12:10



Tgt Ion:131 Resp: 11758
Ion Ratio Lower Upper
131 100
133 101.6 47.3 142.0
119 62.2 32.5 97.4





#67

Ethyl Benzene

Concen: 5.013 ug/l

RT: 11.965 min Scan# 1702

Delta R.T. 0.000 min

Lab File: VN083139.D

Acq: 07 Aug 2024 12:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC005

Tgt Ion: 91 Resp: 59648

Ion Ratio Lower Upper

91 100

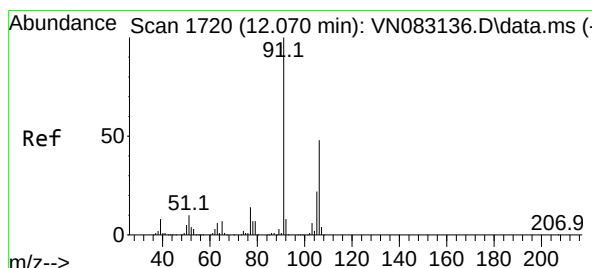
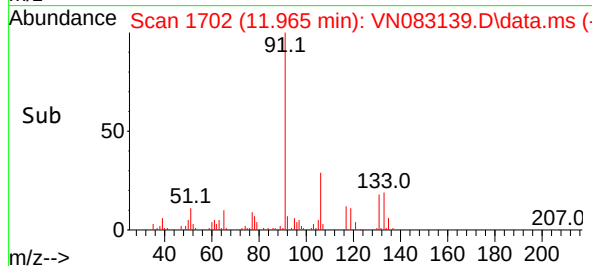
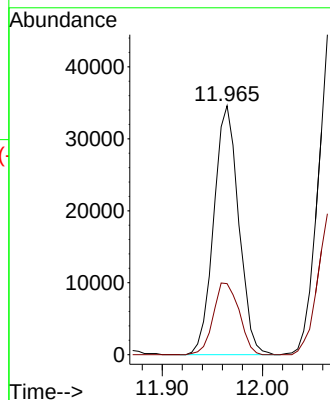
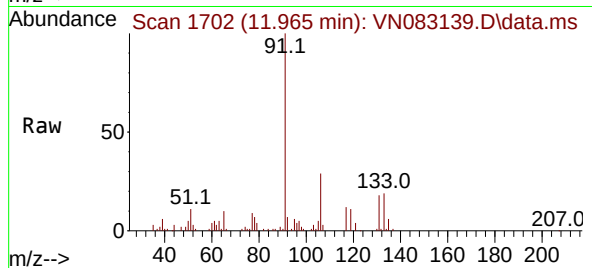
106 28.6 24.0 36.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#68

m/p-Xylenes

Concen: 10.000 ug/l

RT: 12.070 min Scan# 1720

Delta R.T. 0.000 min

Lab File: VN083139.D

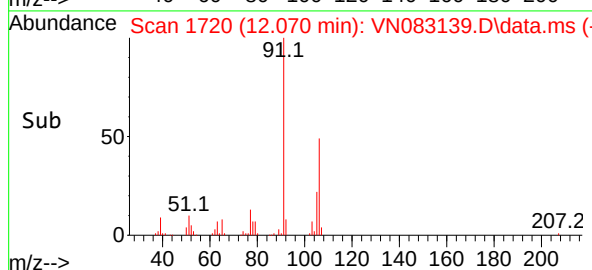
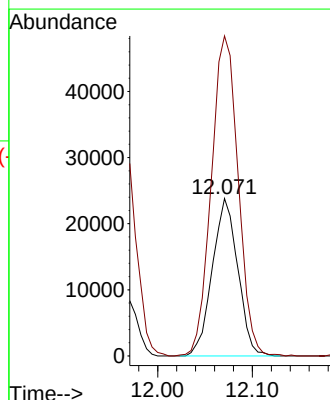
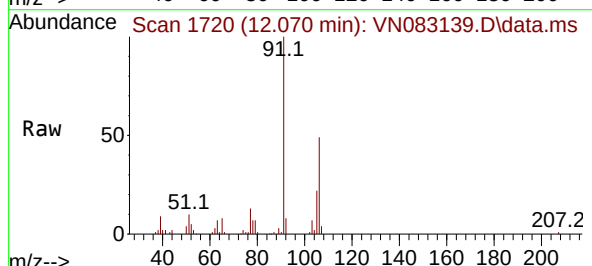
Acq: 07 Aug 2024 12:10

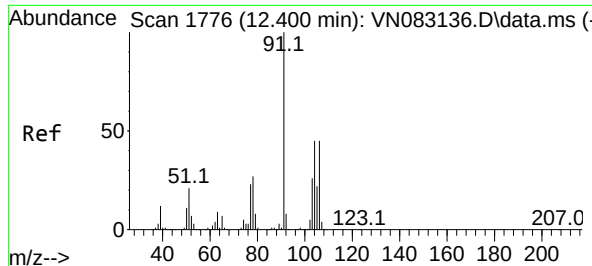
Tgt Ion:106 Resp: 44572

Ion Ratio Lower Upper

106 100

91 214.3 166.1 249.1





#69

o-Xylene

Concen: 5.005 ug/l

RT: 12.400 min Scan# 1776

Delta R.T. 0.000 min

Lab File: VN083139.D

Acq: 07 Aug 2024 12:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion:106 Resp: 2200

Ion Ratio Lower Upper

106 100

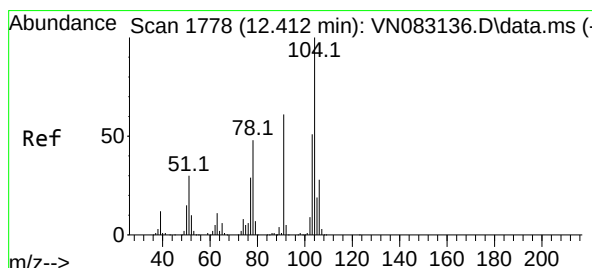
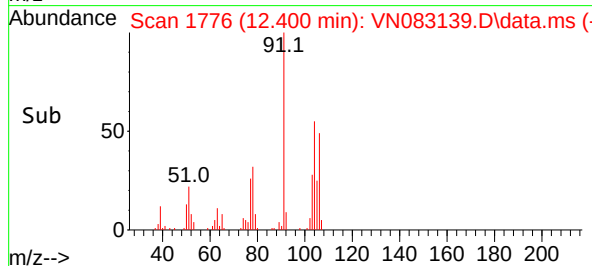
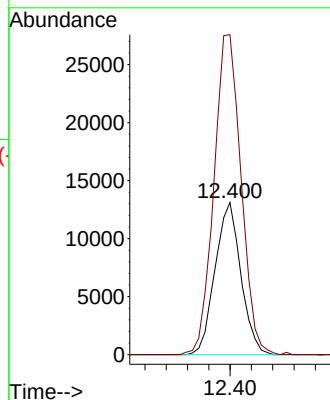
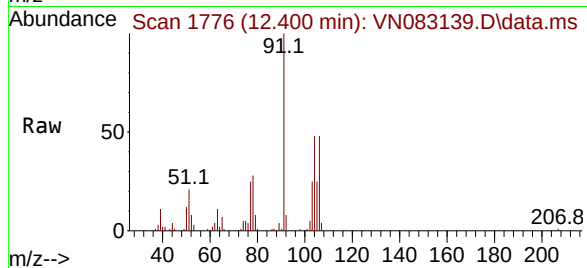
91 221.7 111.3 333.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#70

Styrene

Concen: 5.014 ug/l

RT: 12.412 min Scan# 1778

Delta R.T. 0.000 min

Lab File: VN083139.D

Acq: 07 Aug 2024 12:10

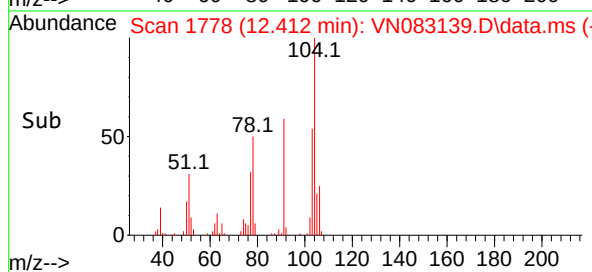
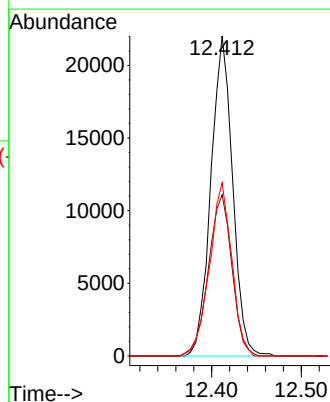
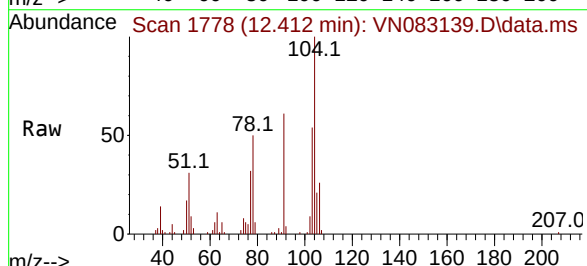
Tgt Ion:104 Resp: 37023

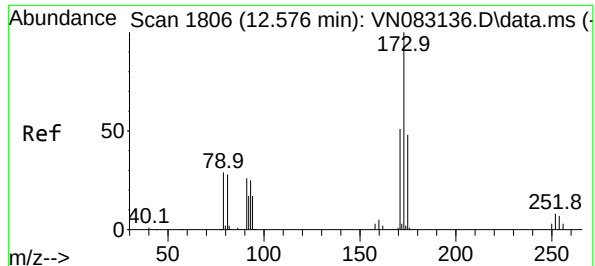
Ion Ratio Lower Upper

104 100

78 54.3 41.6 62.4

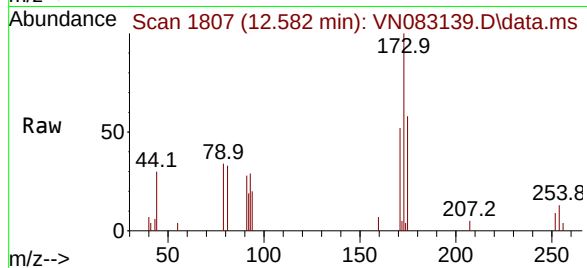
103 55.4 44.0 66.0





#71
Bromoform
Concen: 4.665 ug/l
RT: 12.582 min Scan# 1806
Delta R.T. 0.006 min
Lab File: VN083139.D
Acq: 07 Aug 2024 12:10

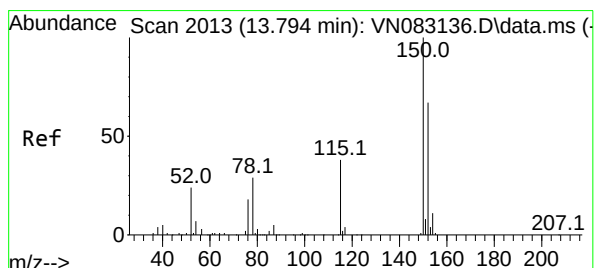
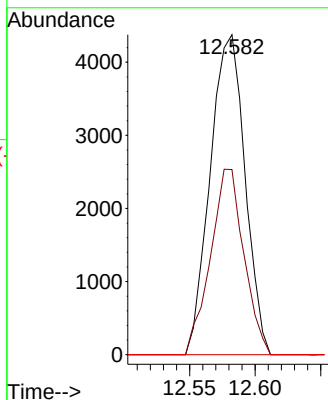
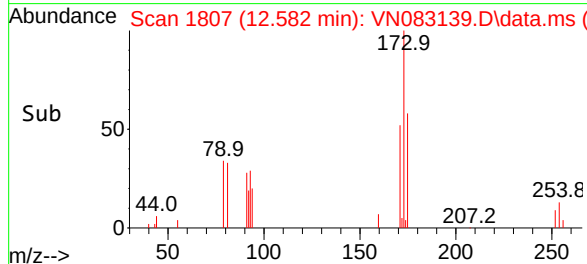
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005



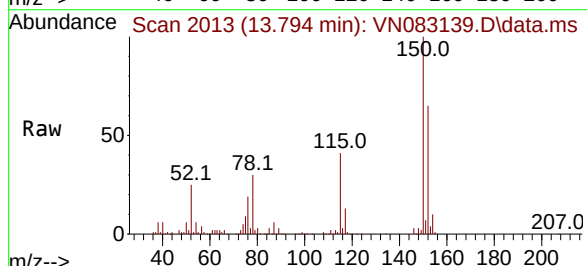
Tgt Ion:173 Resp: 808
Ion Ratio Lower Upper
173 100
175 55.6 24.0 72.0
254 0.0 0.0 0.0

Manual Integrations
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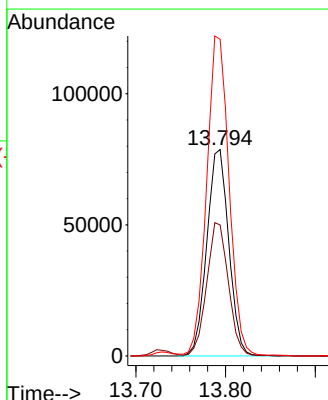
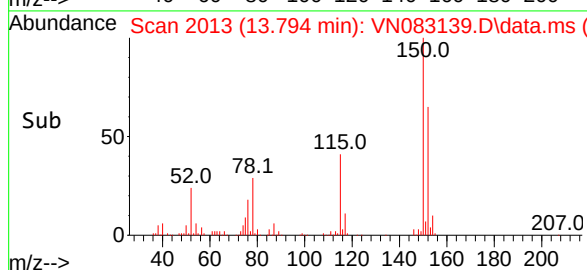
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024

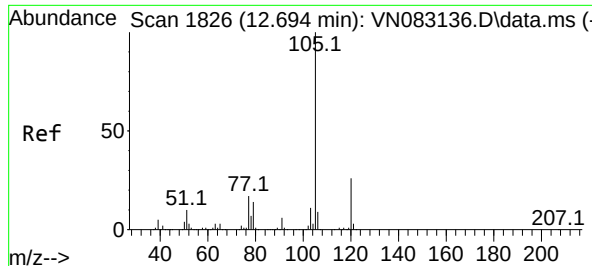


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN083139.D
Acq: 07 Aug 2024 12:10



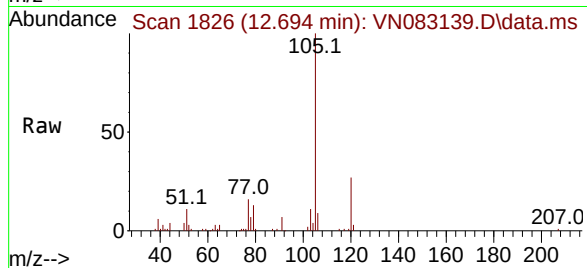
Tgt Ion:152 Resp: 133537
Ion Ratio Lower Upper
152 100
115 64.0 30.6 91.6
150 158.4 0.0 348.6





#73
Isopropylbenzene
Concen: 5.080 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN083139.D
Acq: 07 Aug 2024 12:10

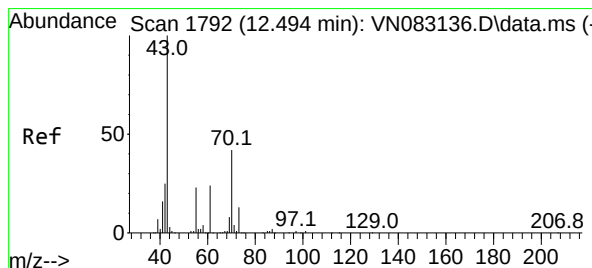
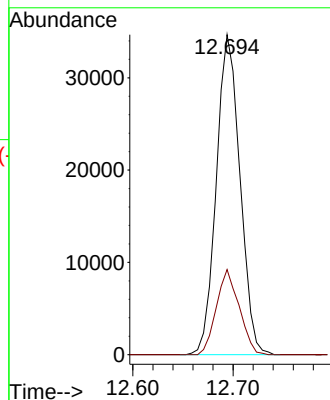
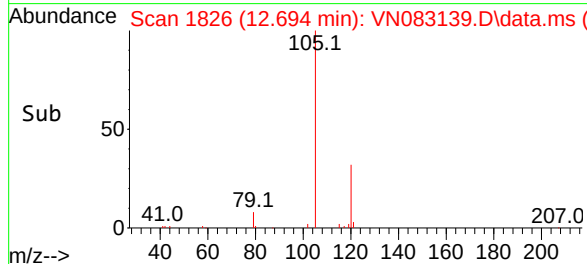
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005



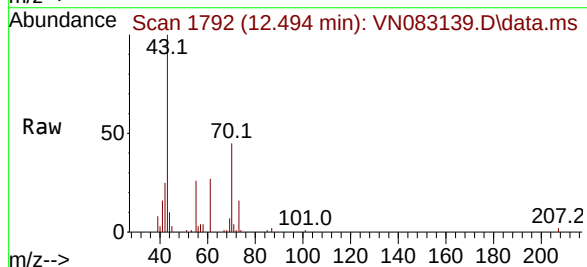
Tgt Ion: 105 Resp: 5674
Ion Ratio Lower Upper
105 100
120 25.7 12.9 38.6

Manual Integrations
APPROVED

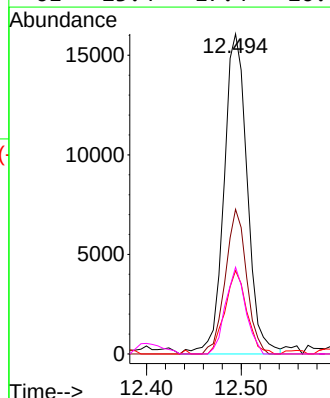
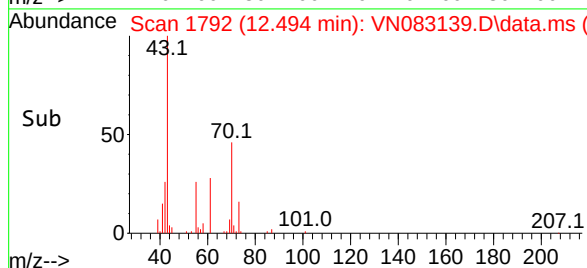
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024

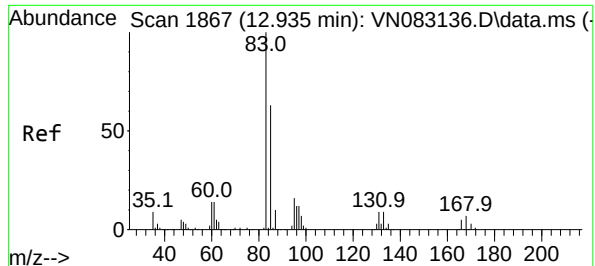


#74
N-ethyl acetate
Concen: 5.014 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VN083139.D
Acq: 07 Aug 2024 12:10



Tgt Ion: 43 Resp: 27393
Ion Ratio Lower Upper
43 100
70 41.4 29.8 44.6
55 24.3 18.7 28.1
61 23.4 17.4 26.0





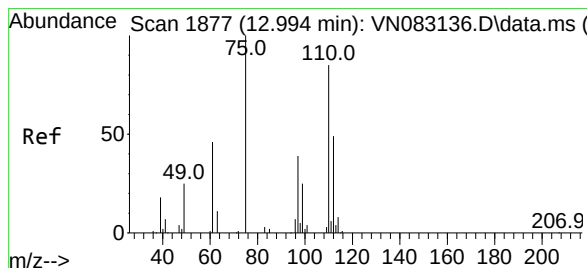
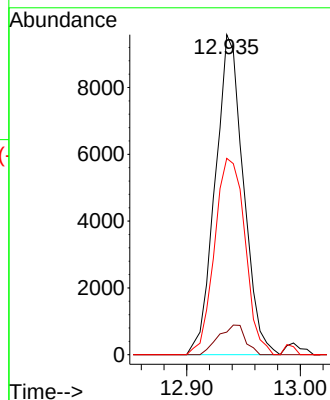
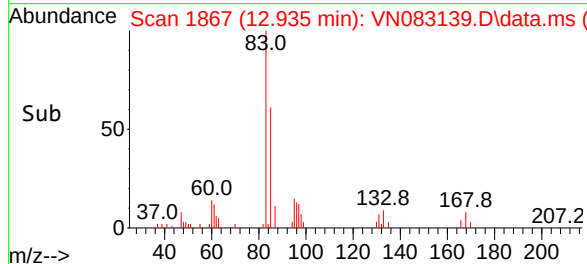
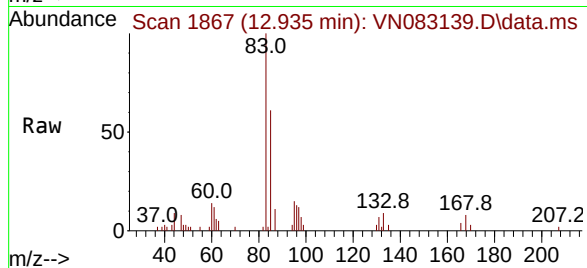
#75
1,1,2,2-Tetrachloroethane
Concen: 5.227 ug/l
RT: 12.935 min Scan# 1867
Delta R.T. 0.000 min
Lab File: VN083139.D
Acq: 07 Aug 2024 12:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:	83	Resp:	16514
Ion Ratio	Lower	Upper	
83	100		
131	8.8	5.0	14.9
85	66.4	31.9	95.7

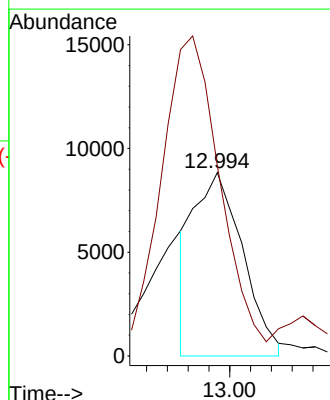
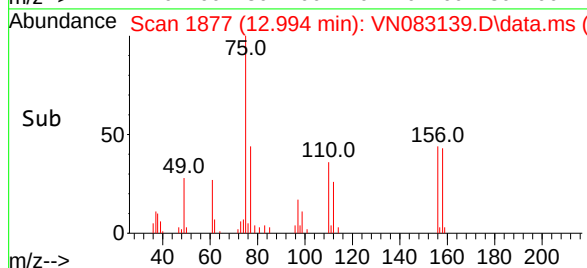
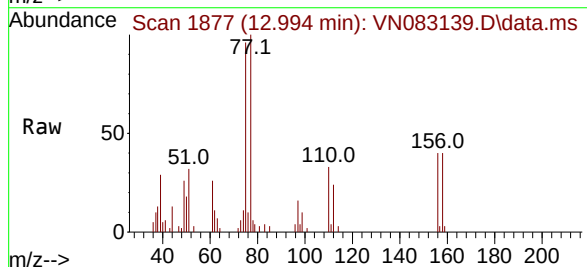
Manual Integrations
APPROVED

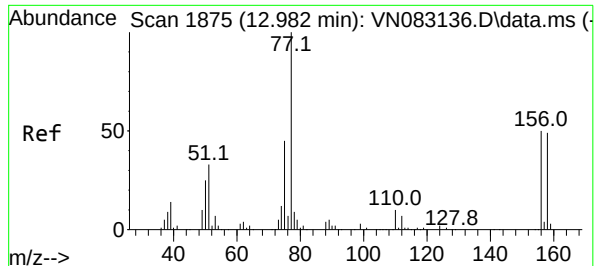
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#76
1,2,3-Trichloropropane
Concen: 4.927 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.000 min
Lab File: VN083139.D
Acq: 07 Aug 2024 12:10

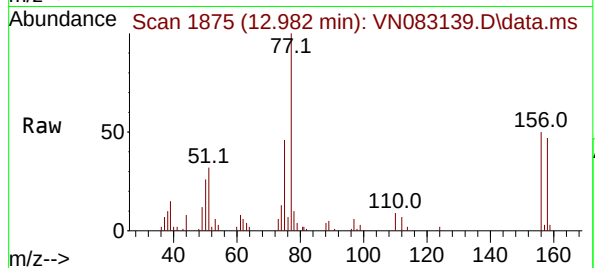
Tgt Ion:	75	Resp:	14463
Ion Ratio	Lower	Upper	
75	100		
77	212.4	110.9	332.6





#77
Bromobenzene
Concen: 5.249 ug/l
RT: 12.982 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VN083139.D
Acq: 07 Aug 2024 12:10

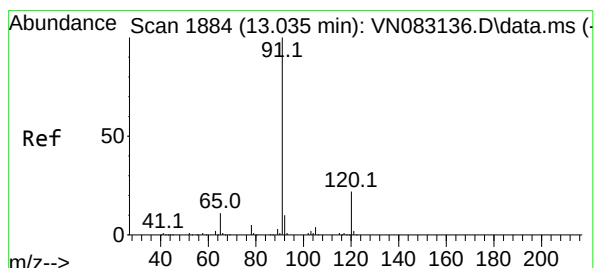
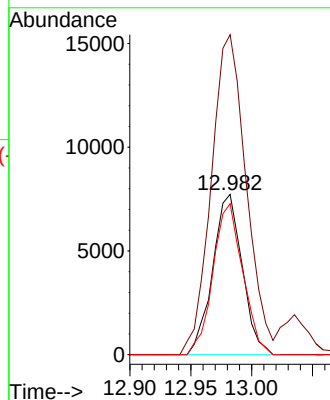
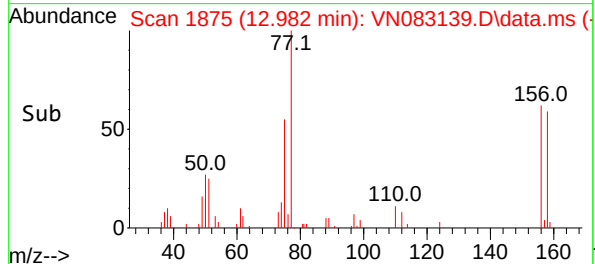
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005



Tgt Ion:156 Resp: 13024
Ion Ratio Lower Upper
156 100
77 235.8 111.3 333.8
158 95.0 48.3 144.9

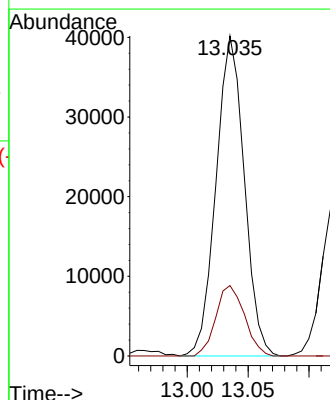
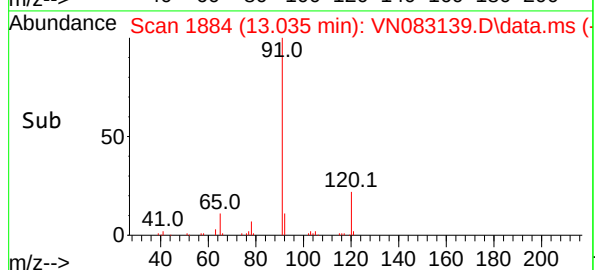
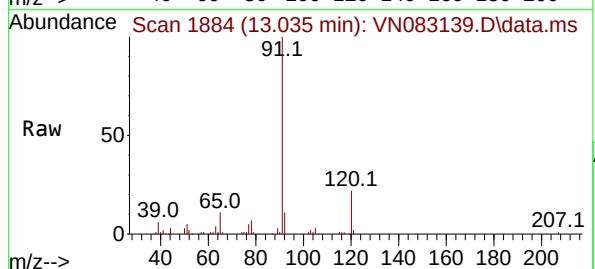
Manual Integrations
APPROVED

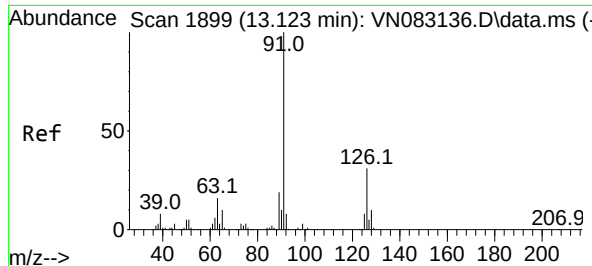
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#78
n-propylbenzene
Concen: 5.035 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN083139.D
Acq: 07 Aug 2024 12:10

Tgt Ion: 91 Resp: 64751
Ion Ratio Lower Upper
91 100
120 22.4 10.9 32.9





#79

2-Chlorotoluene

Concen: 5.050 ug/l

RT: 13.123 min Scan# 1899

Delta R.T. 0.000 min

Lab File: VN083139.D

Acq: 07 Aug 2024 12:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 91 Resp: 41170

Ion Ratio Lower Upper

91 100

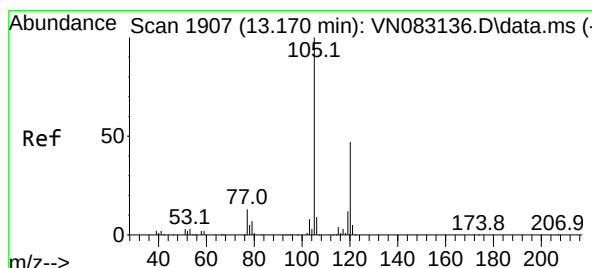
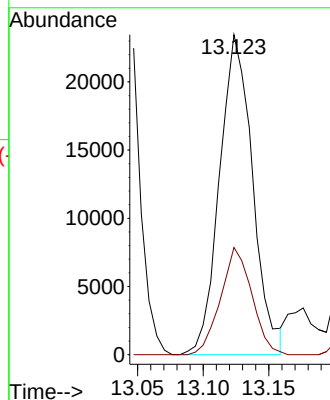
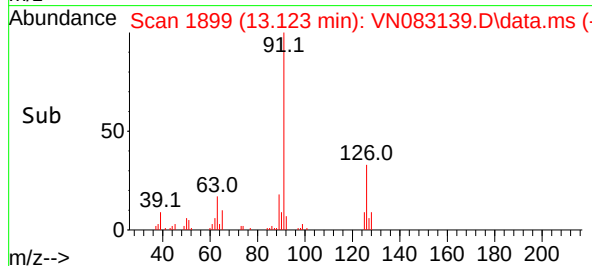
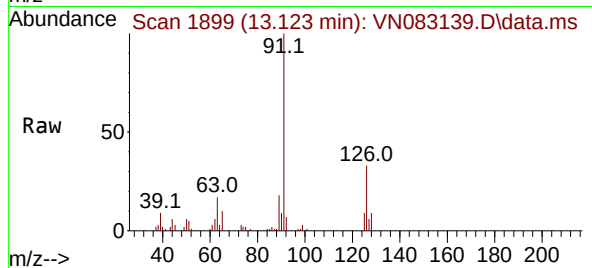
126 31.6 16.2 48.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#80

1,3,5-Trimethylbenzene

Concen: 5.088 ug/l

RT: 13.170 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VN083139.D

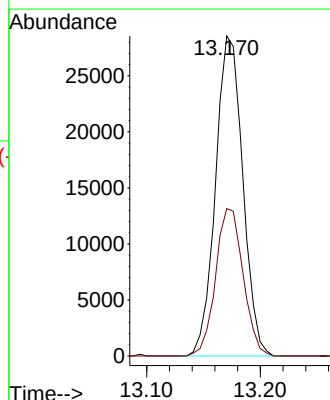
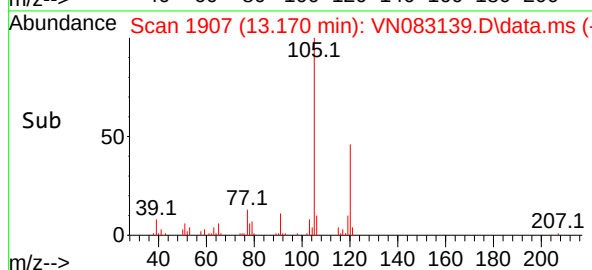
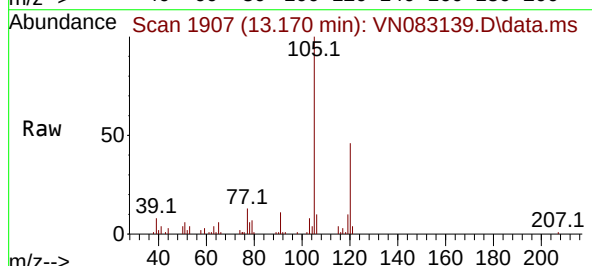
Acq: 07 Aug 2024 12:10

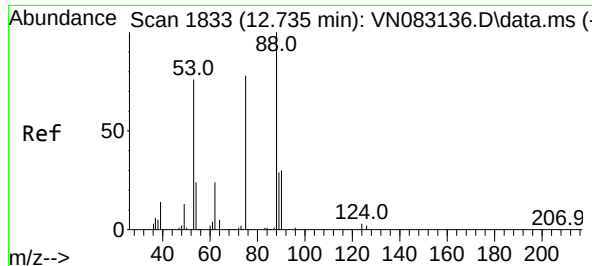
Tgt Ion:105 Resp: 47581

Ion Ratio Lower Upper

105 100

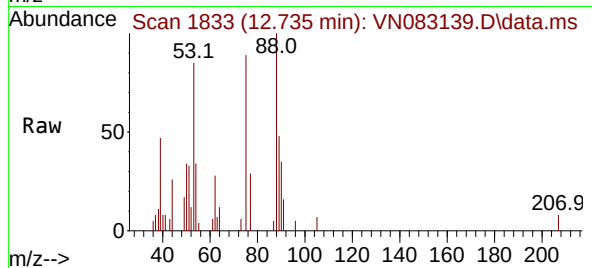
120 46.5 24.3 72.8





#81
trans-1,4-Dichloro-2-butene
Concen: 5.254 ug/l
RT: 12.735 min Scan# 1833
Delta R.T. 0.000 min
Lab File: VN083139.D
Acq: 07 Aug 2024 12:10

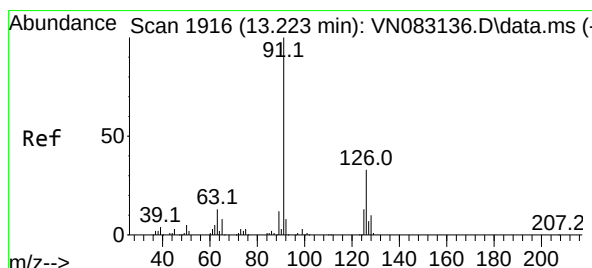
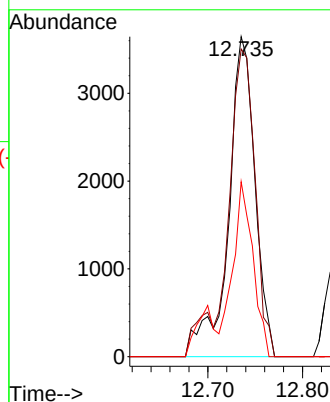
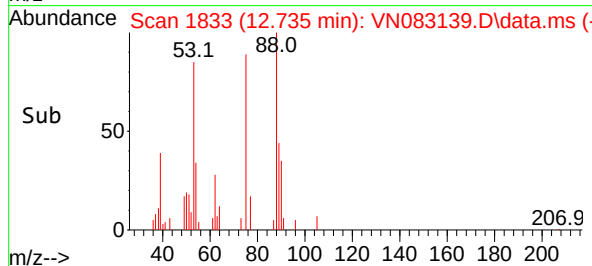
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005



Tgt Ion: 75 Resp: 7079
Ion Ratio Lower Upper
75 100
53 100.6 88.4 132.6
89 41.6 36.3 54.5

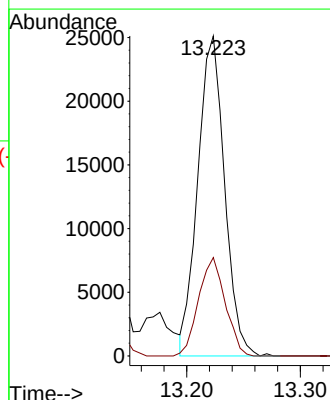
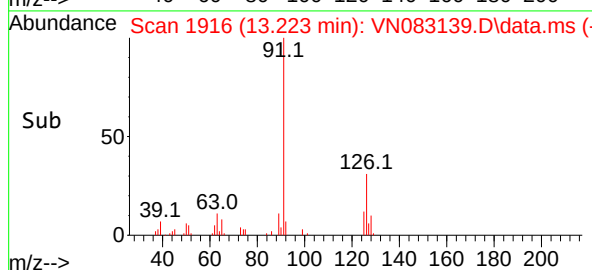
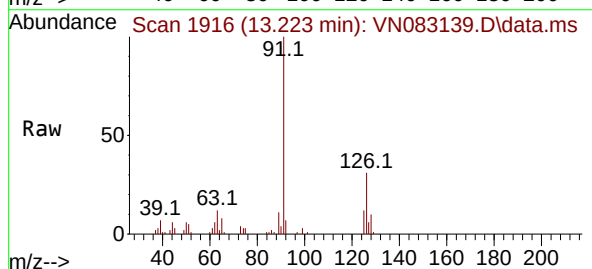
Manual Integrations
APPROVED

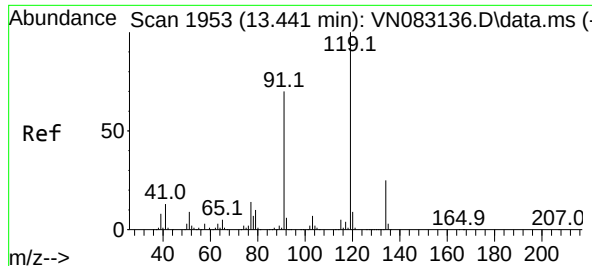
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#82
4-Chlorotoluene
Concen: 5.030 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. 0.000 min
Lab File: VN083139.D
Acq: 07 Aug 2024 12:10

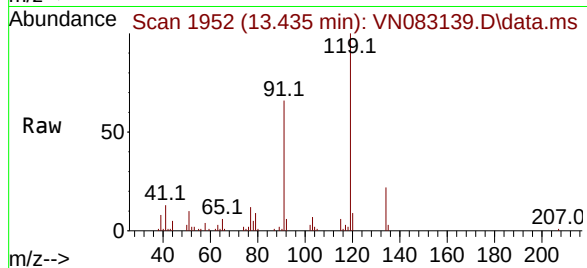
Tgt Ion: 91 Resp: 41137
Ion Ratio Lower Upper
91 100
126 30.6 16.2 48.6





#83
tert-Butylbenzene
Concen: 5.159 ug/l
RT: 13.435 min Scan# 1953
Delta R.T. -0.006 min
Lab File: VN083139.D
Acq: 07 Aug 2024 12:10

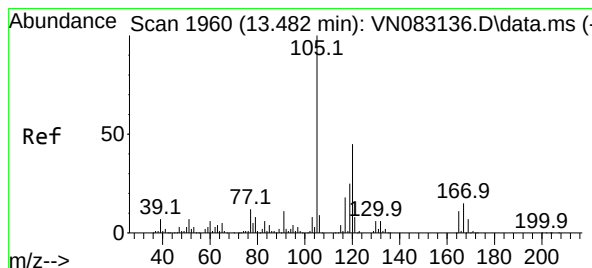
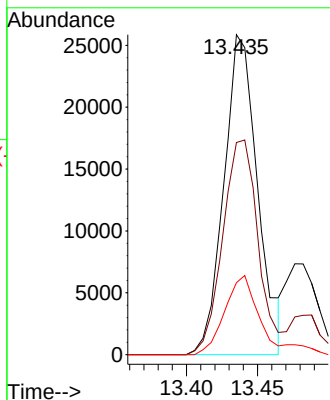
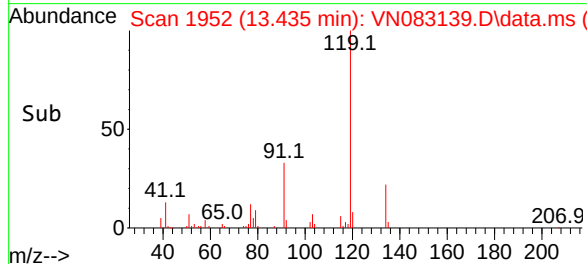
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



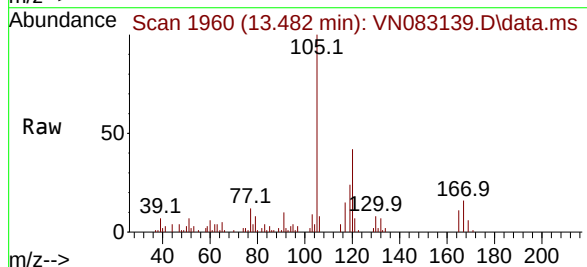
Tgt Ion:119 Resp: 42720
Ion Ratio Lower Upper
119 100
91 70.0 35.0 105.1
134 26.6 13.3 39.8

Manual Integrations
APPROVED

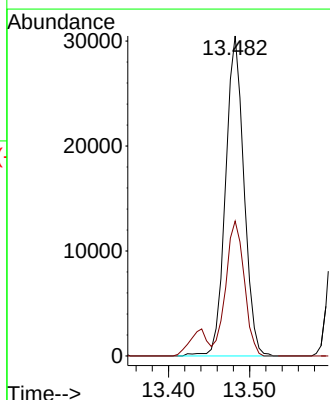
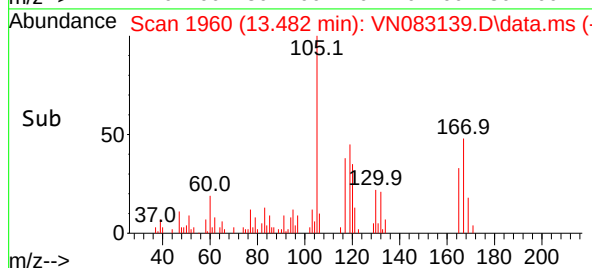
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024

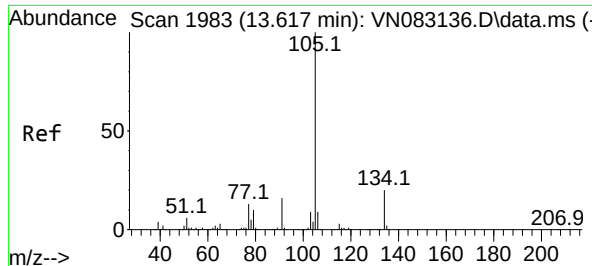


#84
1,2,4-Trimethylbenzene
Concen: 5.090 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN083139.D
Acq: 07 Aug 2024 12:10



Tgt Ion:105 Resp: 47965
Ion Ratio Lower Upper
105 100
120 42.3 21.9 65.8





#85

sec-Butylbenzene

Concen: 5.040 ug/l

RT: 13.617 min Scan# 1983

Delta R.T. 0.000 min

Lab File: VN083139.D

Acq: 07 Aug 2024 12:10

Instrument :

MSVOA_N

ClientSampleId :

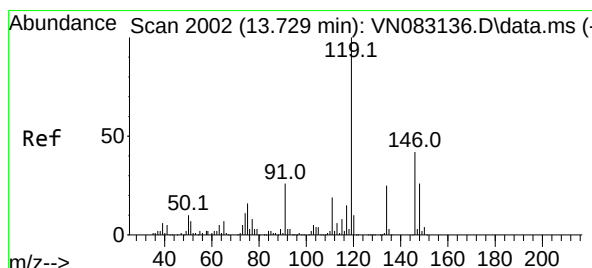
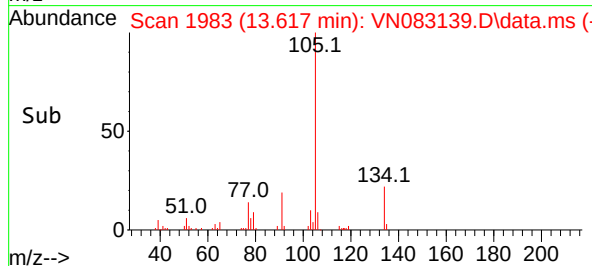
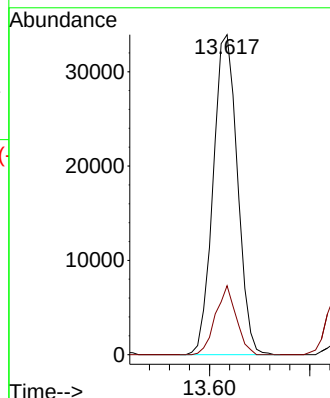
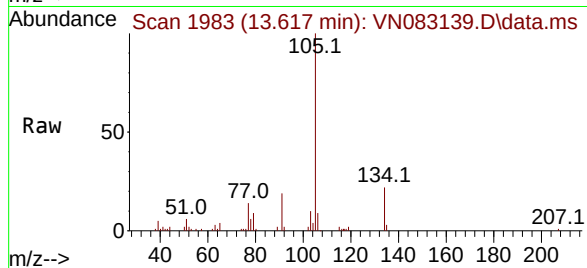
VSTDICC005

Tgt Ion:	105	Resp:	5694
Ion Ratio	Lower	Upper	
105	100		
134	18.5	9.8	29.3

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#86

p-Isopropyltoluene

Concen: 5.108 ug/l

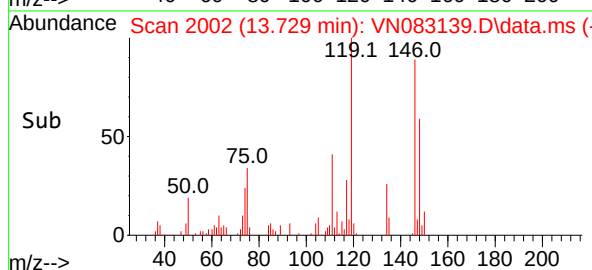
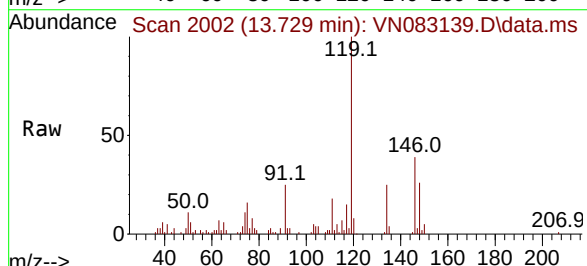
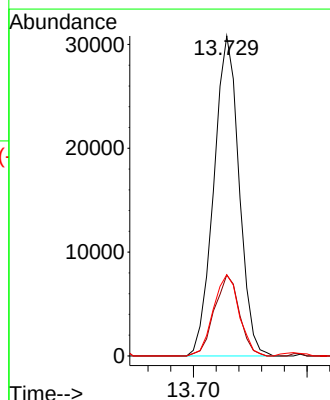
RT: 13.729 min Scan# 2002

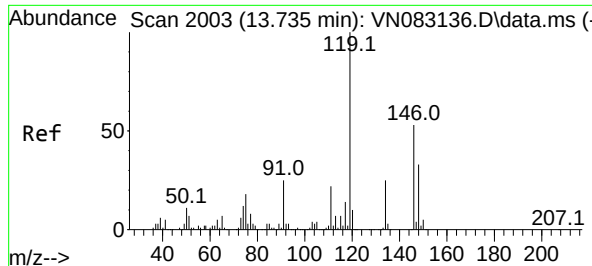
Delta R.T. 0.000 min

Lab File: VN083139.D

Acq: 07 Aug 2024 12:10

Tgt Ion:	119	Resp:	47654
Ion Ratio	Lower	Upper	
119	100		
134	24.9	13.0	39.0
91	26.0	12.3	36.9





#87

1,3-Dichlorobenzene

Concen: 4.887 ug/l

RT: 13.735 min Scan# 2003

Delta R.T. 0.000 min

Lab File: VN083139.D

Acq: 07 Aug 2024 12:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

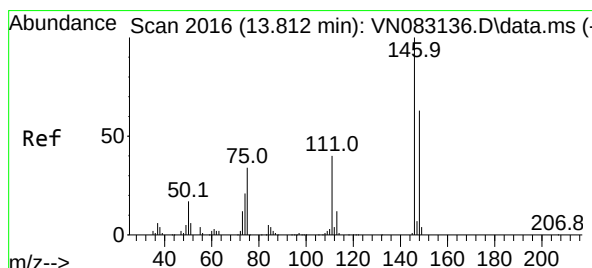
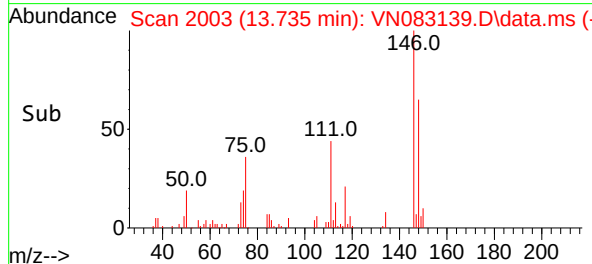
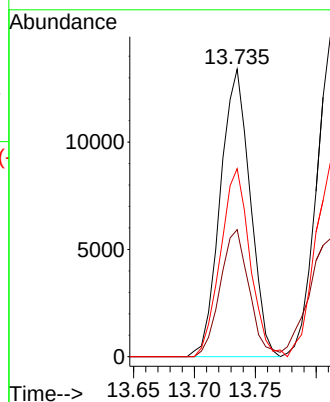
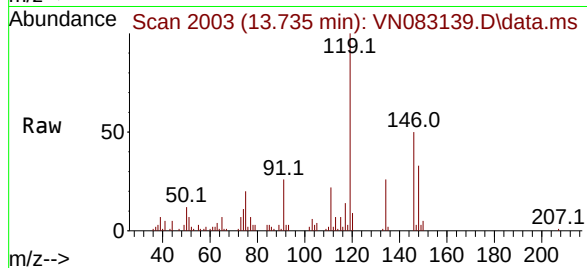
Tgt Ion:	146	Resp:	22814
Ion Ratio	Lower	Upper	
146	100		
111	43.0	20.6	61.9
148	64.7	31.8	95.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#88

1,4-Dichlorobenzene

Concen: 5.093 ug/l

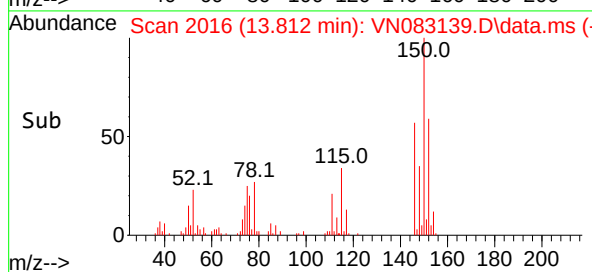
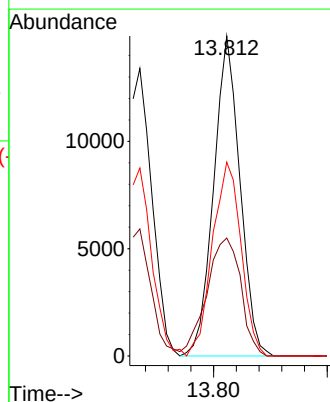
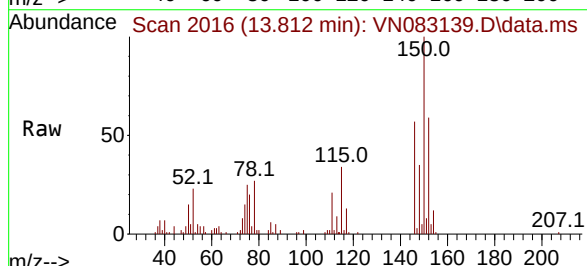
RT: 13.812 min Scan# 2016

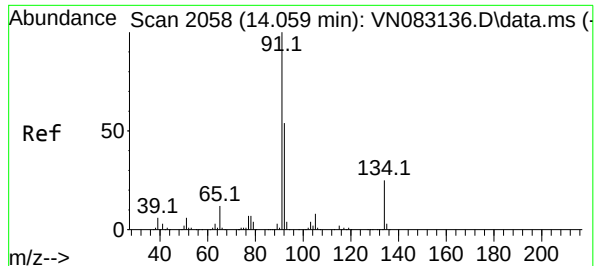
Delta R.T. 0.000 min

Lab File: VN083139.D

Acq: 07 Aug 2024 12:10

Tgt Ion:	146	Resp:	23971
Ion Ratio	Lower	Upper	
146	100		
111	47.6	20.1	60.3
148	65.9	32.2	96.6





#89

n-Butylbenzene

Concen: 4.983 ug/l

RT: 14.053 min Scan# 2058

Delta R.T. -0.006 min

Lab File: VN083139.D

Acq: 07 Aug 2024 12:10

Instrument :

MSVOA_N

ClientSampleId :

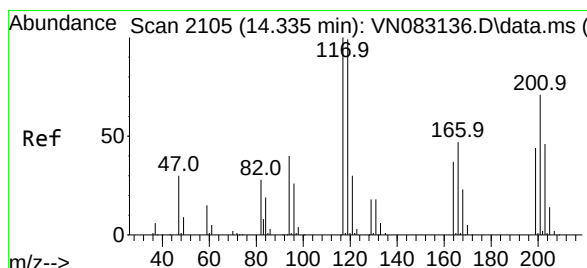
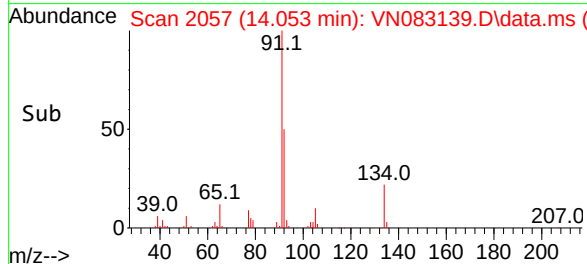
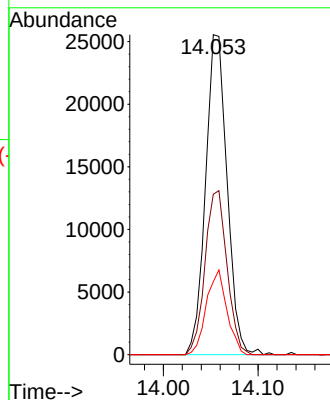
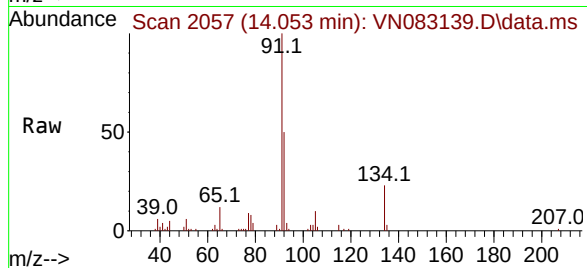
VSTDICC005

Tgt Ion:	91	Resp:	4028
Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.1	78.3
134	25.3	12.1	36.3

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#90

Hexachloroethane

Concen: 5.158 ug/l

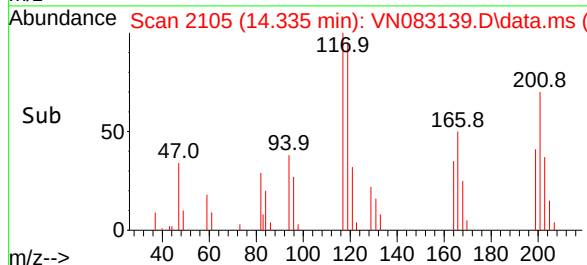
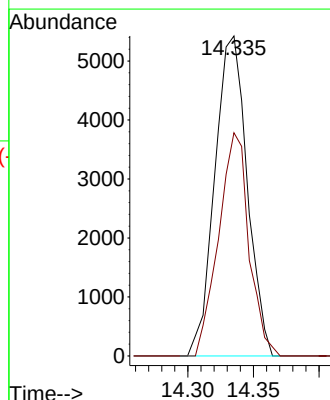
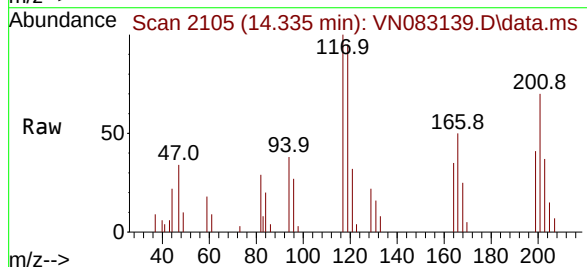
RT: 14.335 min Scan# 2105

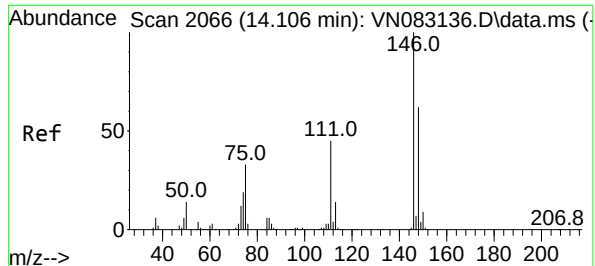
Delta R.T. 0.000 min

Lab File: VN083139.D

Acq: 07 Aug 2024 12:10

Tgt Ion:	117	Resp:	9298
Ion	Ratio	Lower	Upper
117	100		
201	65.4	35.8	107.3





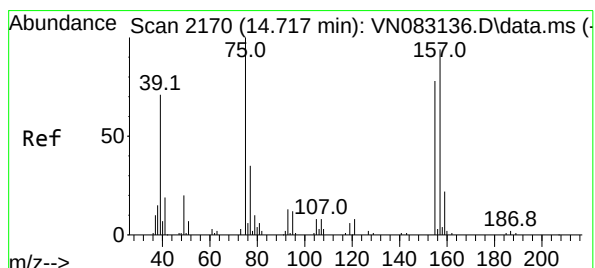
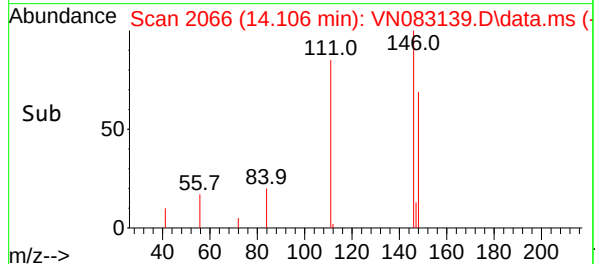
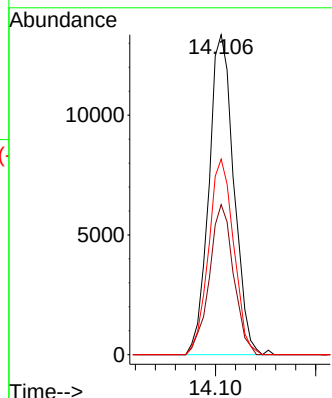
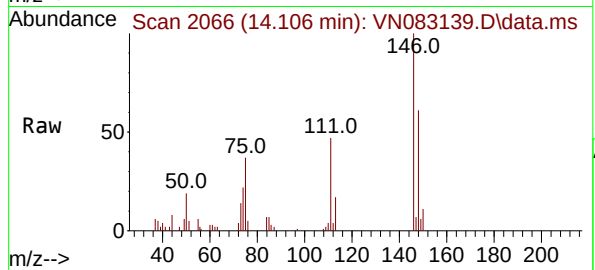
#91
1,2-Dichlorobenzene
Concen: 5.117 ug/l
RT: 14.106 min Scan# 2066
Delta R.T. 0.000 min
Lab File: VN083139.D
Acq: 07 Aug 2024 12:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:146 Resp: 23110
Ion Ratio Lower Upper
146 100
111 45.5 21.4 64.2
148 61.5 32.1 96.5

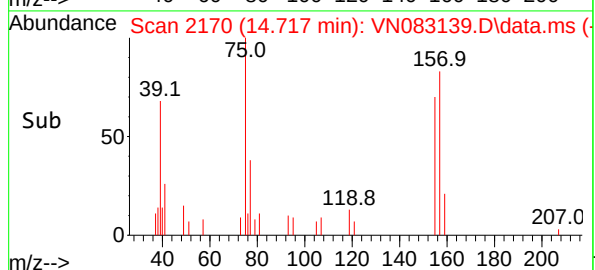
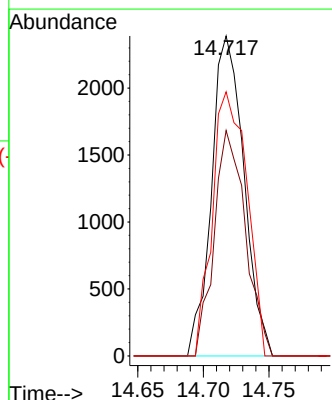
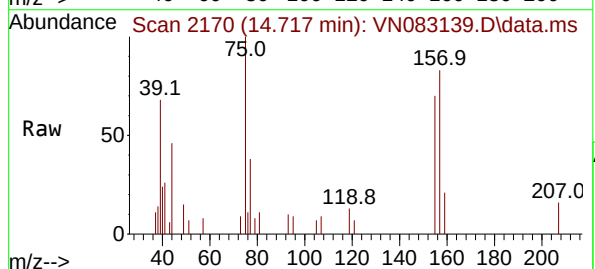
Manual Integrations
APPROVED

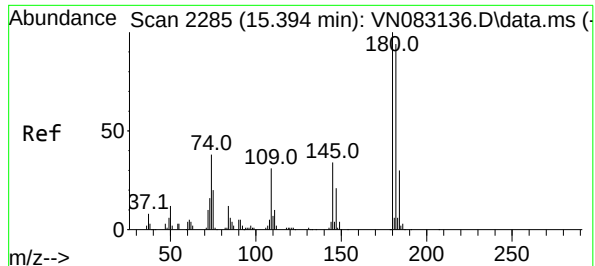
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#92
1,2-Dibromo-3-Chloropropane
Concen: 5.345 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN083139.D
Acq: 07 Aug 2024 12:10

Tgt Ion: 75 Resp: 4097
Ion Ratio Lower Upper
75 100
155 68.1 36.6 109.8
157 88.3 46.9 140.6





#93

1,2,4-Trichlorobenzene

Concen: 4.710 ug/l

RT: 15.394 min Scan# 2285

Delta R.T. 0.000 min

Lab File: VN083139.D

Acq: 07 Aug 2024 12:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

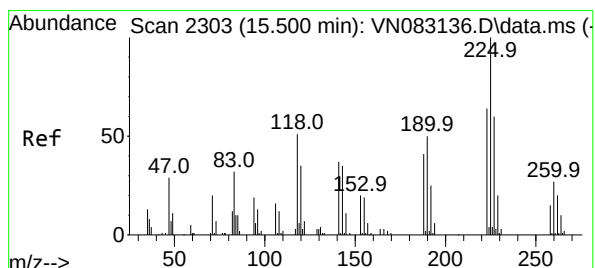
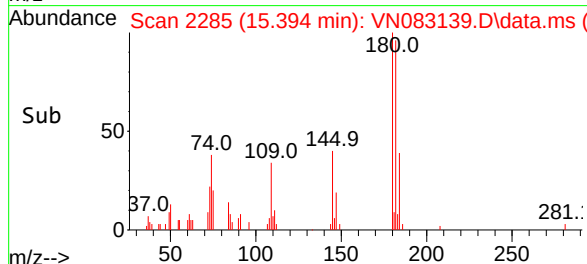
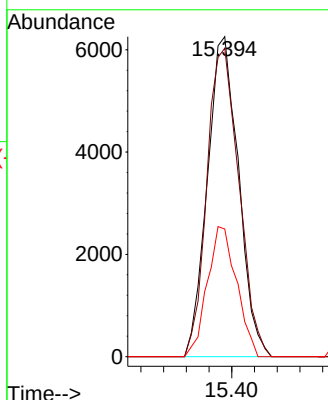
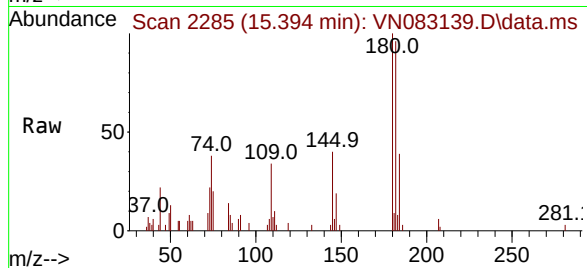
Tgt Ion:180	Resp:	1192
Ion Ratio	Lower	Upper
180	100	
182	98.9	47.3 141.8
145	38.1	15.7 47.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#94

Hexachlorobutadiene

Concen: 5.282 ug/l

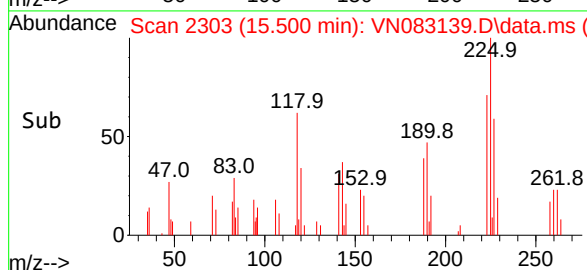
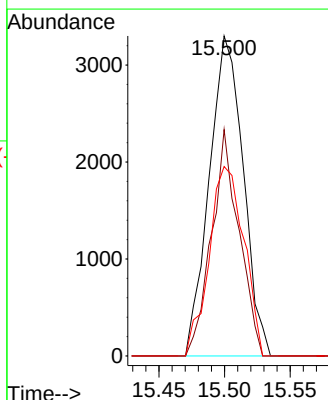
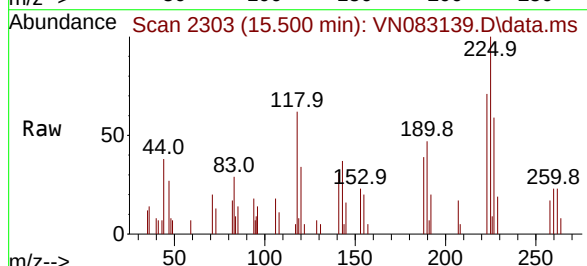
RT: 15.500 min Scan# 2303

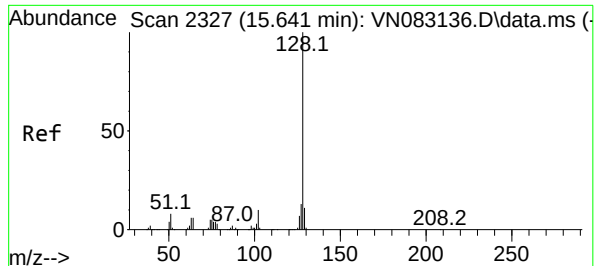
Delta R.T. 0.000 min

Lab File: VN083139.D

Acq: 07 Aug 2024 12:10

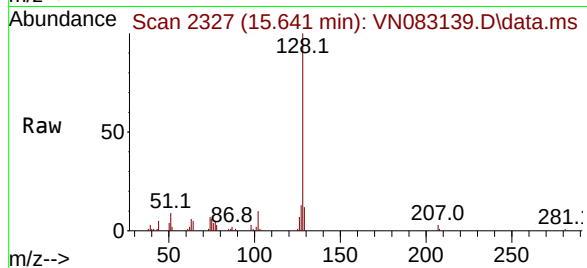
Tgt Ion:225	Resp:	5946
Ion Ratio	Lower	Upper
225	100	
223	57.3	31.9 95.7
227	60.5	32.5 97.5





#95
Naphthalene
Concen: 4.811 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.000 min
Lab File: VN083139.D
Acq: 07 Aug 2024 12:10

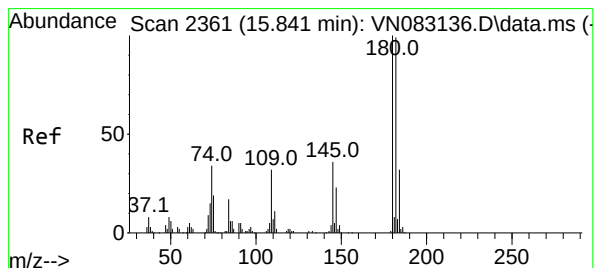
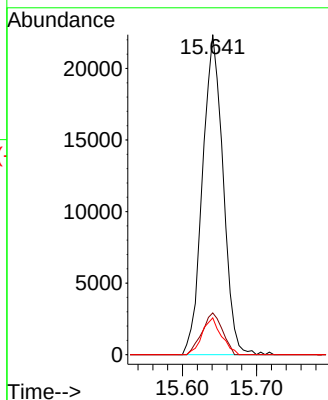
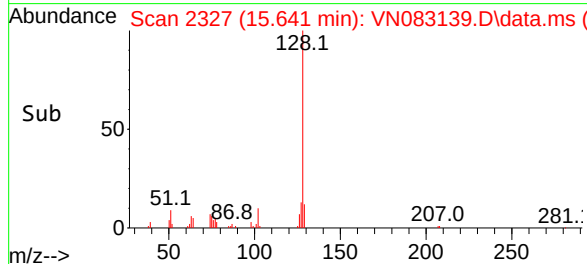
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005



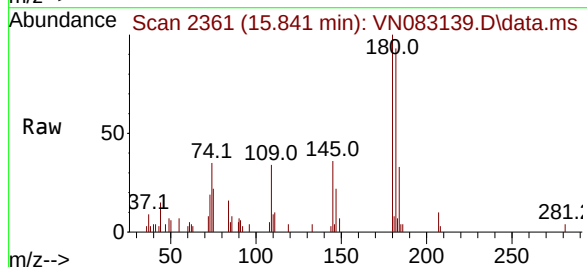
Tgt Ion:128 Resp: 4313
Ion Ratio Lower Upper
128 100
127 13.0 10.6 16.0
129 10.8 8.6 12.8

Manual Integrations
APPROVED

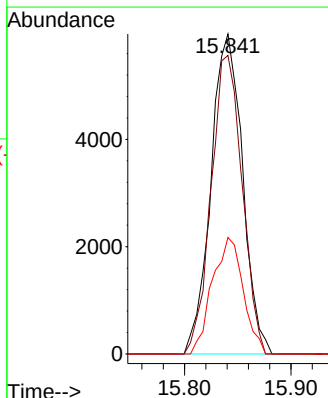
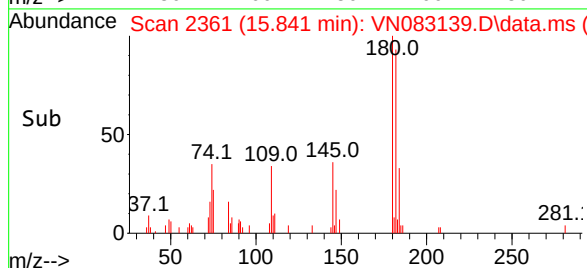
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#96
1,2,3-Trichlorobenzene
Concen: 4.905 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.000 min
Lab File: VN083139.D
Acq: 07 Aug 2024 12:10



Tgt Ion:180 Resp: 12285
Ion Ratio Lower Upper
180 100
182 91.5 48.9 146.8
145 35.5 16.8 50.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080724\
Data File : VN083140.D
Acq On : 07 Aug 2024 12:34
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Quant Time: Aug 08 06:19:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 08 05:50:26 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	202290	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	347394	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	292647	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	122922	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	64 - 133	Recovery	=	0.000%#

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.124	85	2193	0.956	ug/l	84
3) Chloromethane	2.365	50	2331	0.993	ug/l	96
4) Vinyl Chloride	2.512	62	2457	1.025	ug/l	94
6) Chloroethane	3.124	64	1763	1.176	ug/l #	54
7) Trichlorofluoromethane	3.495	101	3645	0.921	ug/l	88
8) Diethyl Ether	3.965	74	1368	0.929	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.371	101	2064	0.946	ug/l #	88
12) 1,1-Dichloroethene	4.342	96	2328	1.038	ug/l #	72
14) Allyl chloride	5.018	41	4894	1.155	ug/l #	75
15) Acrylonitrile	5.724	53	6198	5.036	ug/l	94
16) Acetone	4.442	43	5369	4.765	ug/l	95
17) Carbon Disulfide	4.718	76	7603	1.159	ug/l	99
18) Methyl Acetate	5.036	43	3987	1.188	ug/l #	89
19) Methyl tert-butyl Ether	5.795	73	7900	0.976	ug/l	96
20) Methylene Chloride	5.283	84	3255	1.255	ug/l #	63
21) trans-1,2-Dichloroethene	5.783	96	2425	1.046	ug/l #	75
22) Diisopropyl ether	6.677	45	7871	0.988	ug/l	94
23) Vinyl Acetate	6.606	43	39044	4.783	ug/l #	94
24) 1,1-Dichloroethane	6.571	63	4189	0.965	ug/l #	83
25) 2-Butanone	7.495	43	9164	5.297	ug/l	93
26) 2,2-Dichloropropane	7.489	77	3741	0.928	ug/l	95
27) cis-1,2-Dichloroethene	7.495	96	2919	1.044	ug/l	90
28) Bromochloromethane	7.812	49	1883	1.061	ug/l #	92
29) Tetrahydrofuran	7.842	42	5490	4.909	ug/l #	87
30) Chloroform	7.971	83	4457	0.988	ug/l	95
32) 1,1,1-Trichloroethane	8.171	97	4076	0.955	ug/l #	49
36) 1,1-Dichloropropene	8.377	75	3393	1.034	ug/l	97
37) Ethyl Acetate	7.565	43	4617	1.257	ug/l #	90
38) Carbon Tetrachloride	8.359	117	3422	0.926	ug/l #	84
39) Methylcyclohexane	9.600	83	3974	0.986	ug/l	87
40) Benzene	8.606	78	9334	0.955	ug/l	99
41) Methacrylonitrile	7.783	41	2618	1.254	ug/l #	85
42) 1,2-Dichloroethane	8.677	62	3457	0.971	ug/l	82
43) Isopropyl Acetate	8.689	43	14981	0.753	ug/l #	80
44) Trichloroethene	9.359	130	2151	0.925	ug/l	98
45) 1,2-Dichloropropane	9.618	63	2194	0.946	ug/l	93

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080724\
 Data File : VN083140.D
 Acq On : 07 Aug 2024 12:34
 Operator : JC\MD
 Sample : VSTDICC001
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC001

Manual Integrations APPROVED

Reviewed By : John Carlone 08/08/2024
 Supervised By : Mahesh Dadoda 08/09/2024

Quant Time: Aug 08 06:19:42 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 08 05:50:26 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Dibromomethane	9.700	93	1513	0.911	ug/l	95
47) Bromodichloromethane	9.894	83	3783	1.015	ug/l #	83
48) Methyl methacrylate	9.683	41	3518	1.159	ug/l	96
49) 1,4-Dioxane	9.700	88	1089	19.880	ug/l #	77
51) 4-Methyl-2-Pentanone	10.447	43	15872	4.570	ug/l	90
52) Toluene	10.630	92	5723	0.927	ug/l	97
53) t-1,3-Dichloropropene	10.835	75	3260	0.851	ug/l	100
54) cis-1,3-Dichloropropene	10.312	75	3797	0.932	ug/l #	87
55) 1,1,2-Trichloroethane	11.018	97	1963	0.887	ug/l	96
56) Ethyl methacrylate	10.871	69	3843	0.921	ug/l #	90
57) 1,3-Dichloropropane	11.165	76	3837	0.973	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	8453	4.794	ug/l	93
59) 2-Hexanone	11.200	43	12761	4.749	ug/l	100
60) Dibromochloromethane	11.353	129	2283	0.853	ug/l	99
61) 1,2-Dibromoethane	11.465	107	2200	0.947	ug/l	98
64) Tetrachloroethene	11.106	164	1872	0.966	ug/l	93
65) Chlorobenzene	11.888	112	6259	0.968	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.965	131	2168	0.951	ug/l #	63
67) Ethyl Benzene	11.965	91	11455	0.966	ug/l	98
68) m/p-Xylenes	12.065	106	8266	1.860	ug/l	94
69) o-Xylene	12.400	106	4113	0.938	ug/l	98
70) Styrene	12.412	104	6441	0.875	ug/l	90
71) Bromoform	12.577	173	1561	0.903	ug/l #	88
73) Isopropylbenzene	12.694	105	10459	1.017	ug/l	99
74) N-amyl acetate	12.494	43	5755	1.144	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	12.941	83	3034	1.043	ug/l	99
76) 1,2,3-Trichloropropane	12.988	75	3031m	1.122	ug/l	
77) Bromobenzene	12.977	156	2212	0.969	ug/l	86
78) n-propylbenzene	13.029	91	11800	0.997	ug/l	99
79) 2-Chlorotoluene	13.124	91	7735	1.031	ug/l	90
80) 1,3,5-Trimethylbenzene	13.176	105	8552	0.994	ug/l	95
82) 4-Chlorotoluene	13.224	91	8018	1.065	ug/l	93
83) tert-Butylbenzene	13.435	119	7628	1.001	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	8397	0.968	ug/l	100
85) sec-Butylbenzene	13.618	105	10411	1.001	ug/l	96
86) p-Isopropyltoluene	13.735	119	8247	0.960	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	4598	1.070	ug/l	97
88) 1,4-Dichlorobenzene	13.812	146	4578m	1.057	ug/l	
89) n-Butylbenzene	14.053	91	7008	0.942	ug/l	100
90) Hexachloroethane	14.335	117	1524	0.918	ug/l	93
91) 1,2-Dichlorobenzene	14.106	146	4279	1.029	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.718	75	763	1.081	ug/l	78
93) 1,2,4-Trichlorobenzene	15.394	180	2493	1.070	ug/l	97
94) Hexachlorobutadiene	15.512	225	1181	1.140	ug/l	92
95) Naphthalene	15.641	128	8430	1.021	ug/l #	96
96) 1,2,3-Trichlorobenzene	15.835	180	2389	1.036	ug/l	96

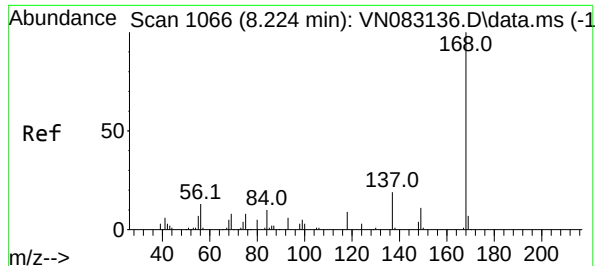
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

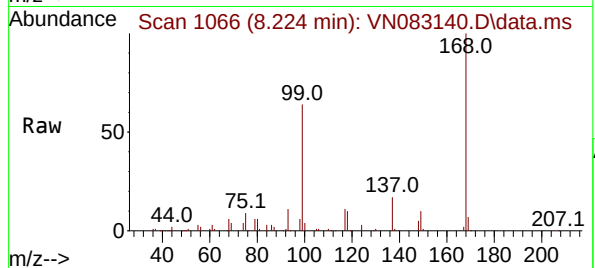
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083140.D
Acq: 07 Aug 2024 12:34

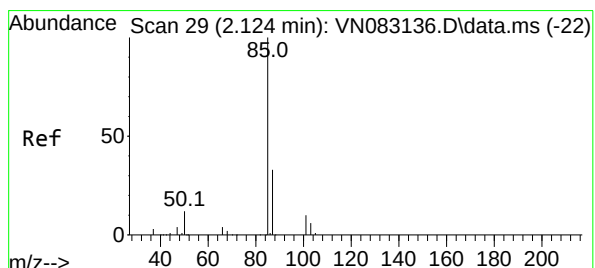
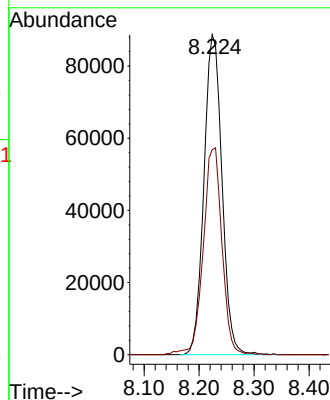
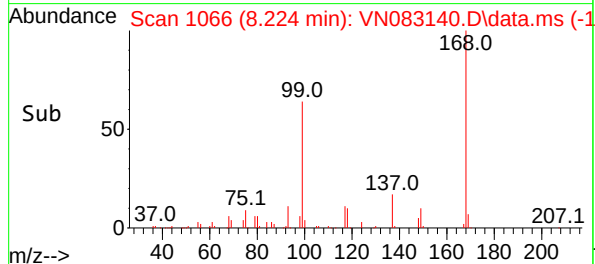
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001



Tgt Ion:168 Resp: 202290
Ion Ratio Lower Upper
168 100
99 64.1 48.2 72.4

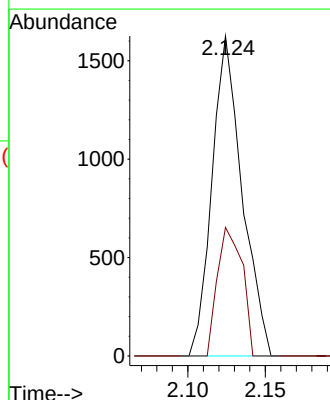
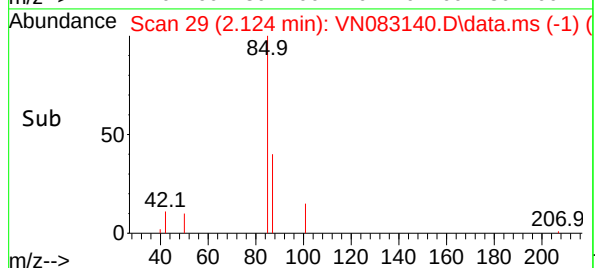
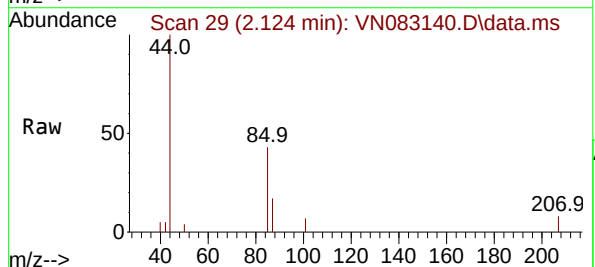
Manual Integrations
APPROVED

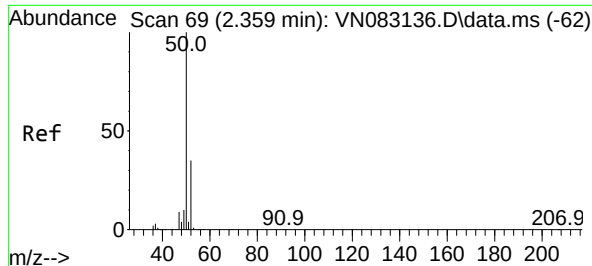
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#2
Dichlorodifluoromethane
Concen: 0.956 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN083140.D
Acq: 07 Aug 2024 12:34

Tgt Ion: 85 Resp: 2193
Ion Ratio Lower Upper
85 100
87 40.2 15.7 47.0





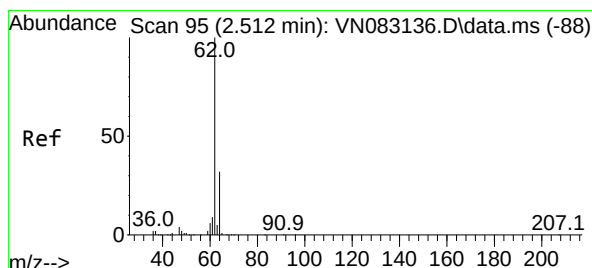
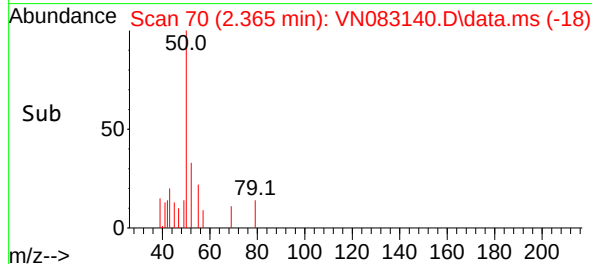
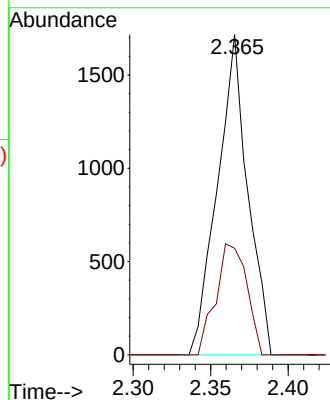
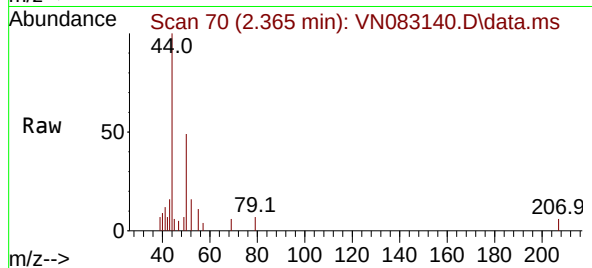
#3
Chloromethane
Concen: 0.993 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN083140.D
Acq: 07 Aug 2024 12:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 50 Resp: 233
Ion Ratio Lower Upper
50 100
52 33.3 25.0 37.4

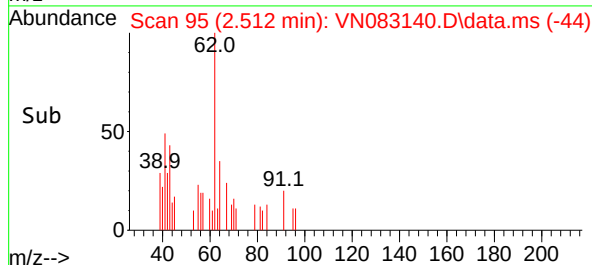
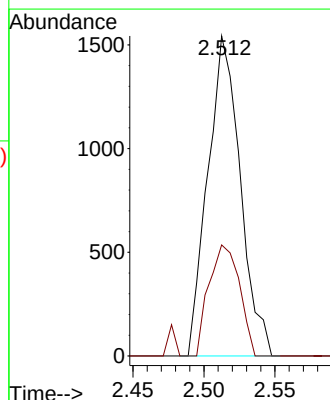
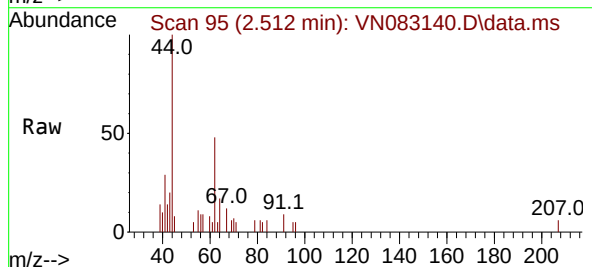
Manual Integrations
APPROVED

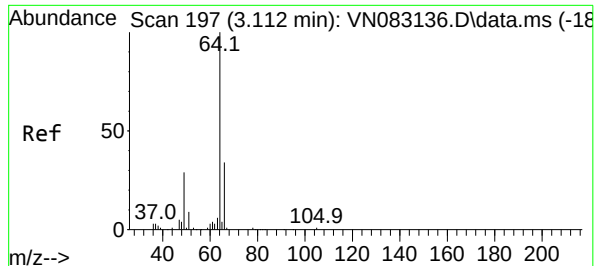
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#4
Vinyl Chloride
Concen: 1.025 ug/l
RT: 2.512 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN083140.D
Acq: 07 Aug 2024 12:34

Tgt Ion: 62 Resp: 2457
Ion Ratio Lower Upper
62 100
64 34.7 25.0 37.6





#6

Chloroethane

Concen: 1.176 ug/l

RT: 3.124 min Scan# 197

Delta R.T. 0.012 min

Lab File: VN083140.D

Acq: 07 Aug 2024 12:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion: 64 Resp: 176

Ion Ratio Lower Upper

64 100

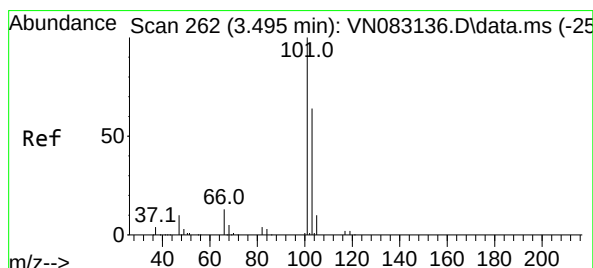
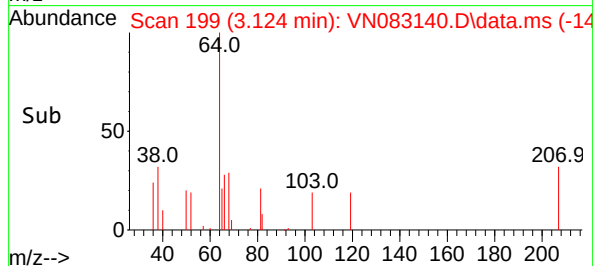
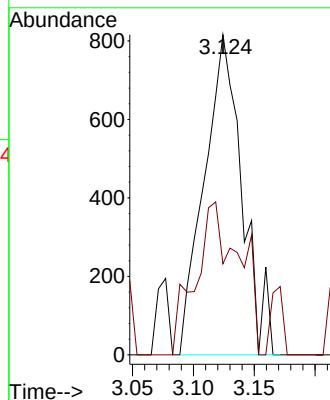
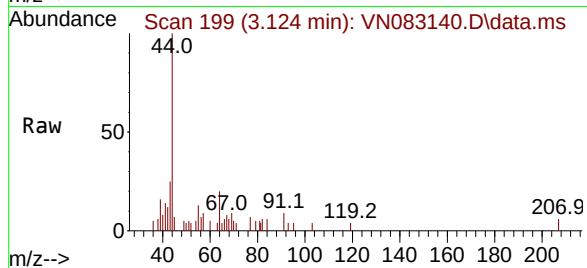
66 7.1 26.6 40.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#7

Trichlorofluoromethane

Concen: 0.921 ug/l

RT: 3.495 min Scan# 262

Delta R.T. -0.000 min

Lab File: VN083140.D

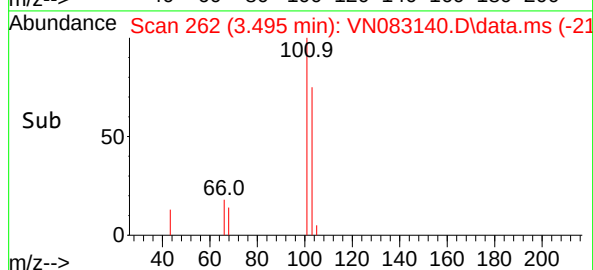
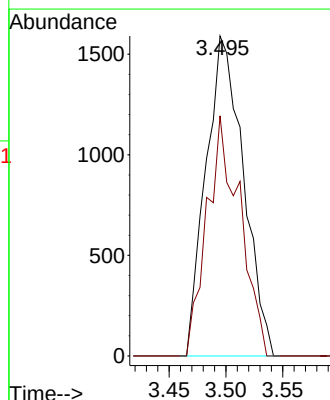
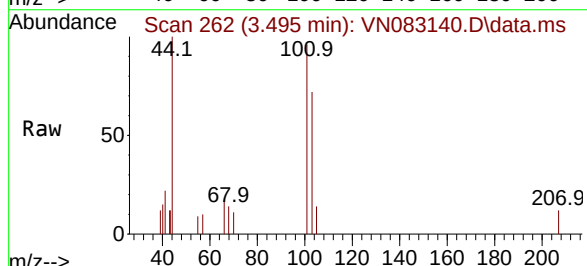
Acq: 07 Aug 2024 12:34

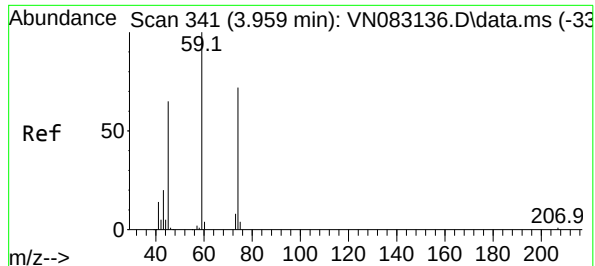
Tgt Ion:101 Resp: 3645

Ion Ratio Lower Upper

101 100

103 75.0 52.7 79.1





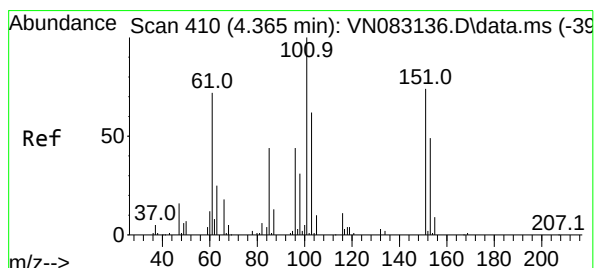
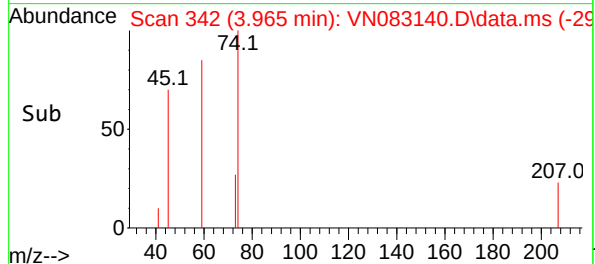
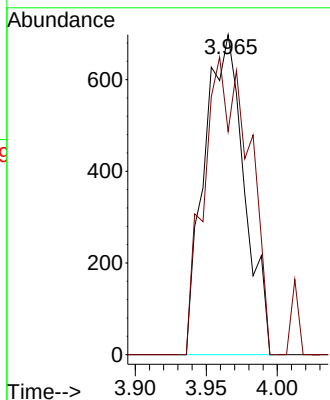
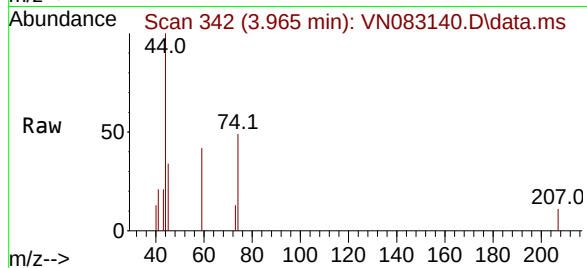
#8
Diethyl Ether
Concen: 0.929 ug/l
RT: 3.965 min Scan# 341
Delta R.T. 0.006 min
Lab File: VN083140.D
Acq: 07 Aug 2024 12:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 74 Resp: 1368
Ion Ratio Lower Upper
74 100
45 105.1 55.5 166.3

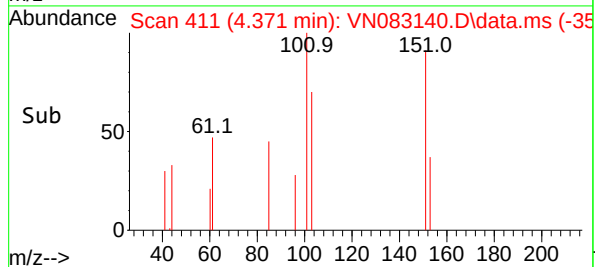
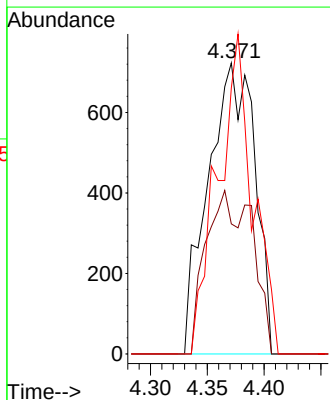
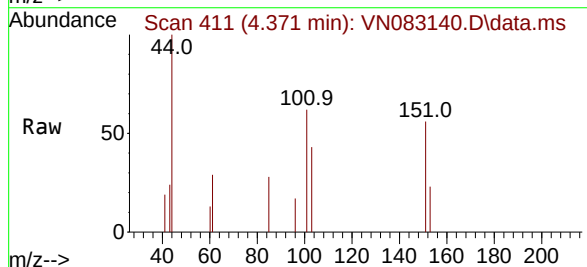
Manual Integrations
APPROVED

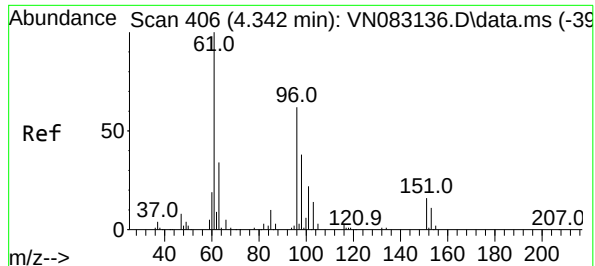
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.946 ug/l
RT: 4.371 min Scan# 411
Delta R.T. 0.006 min
Lab File: VN083140.D
Acq: 07 Aug 2024 12:34

Tgt Ion:101 Resp: 2064
Ion Ratio Lower Upper
101 100
85 37.3 38.3 57.5#
151 82.8 59.3 88.9





#12

1,1-Dichloroethene

Concen: 1.038 ug/l

RT: 4.342 min Scan# 406

Delta R.T. 0.000 min

Lab File: VN083140.D

Acq: 07 Aug 2024 12:34

Instrument :

MSVOA_N

ClientSampleId :

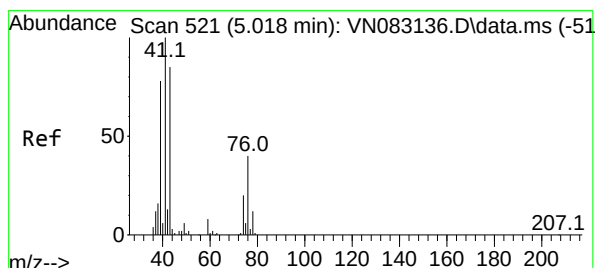
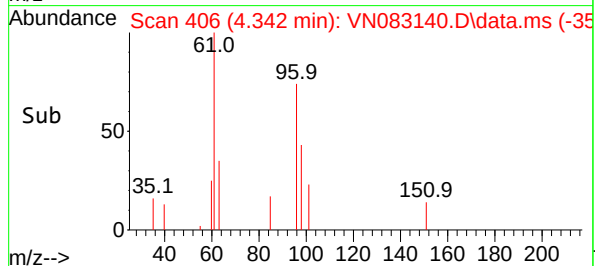
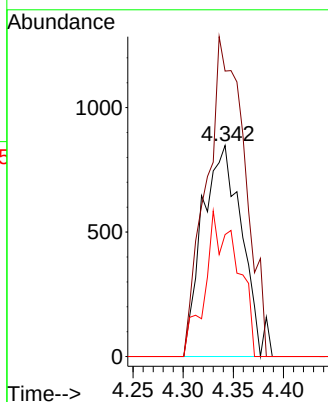
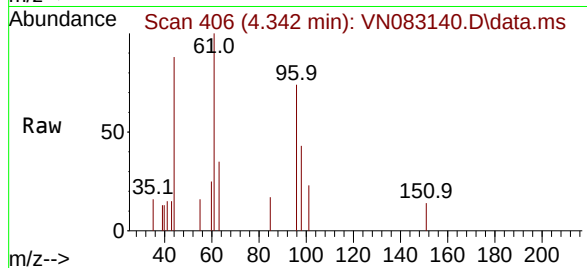
VSTDIC001

Tgt Ion:	96	Resp:	2328
Ion	Ratio	Lower	Upper
96	100		
61	135.3	149.7	224.5
98	57.8	50.1	75.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#14

Allyl chloride

Concen: 1.155 ug/l

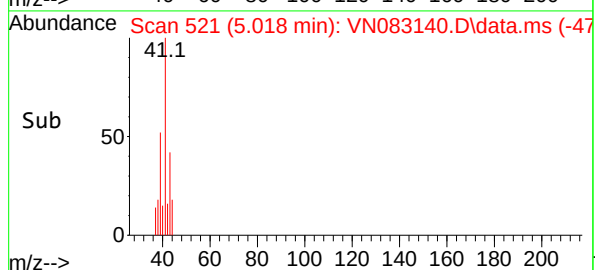
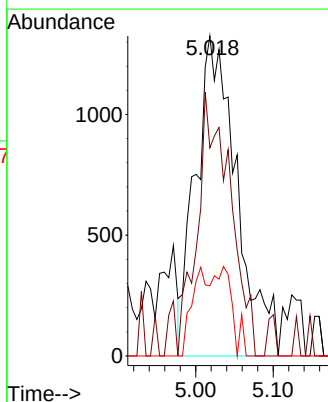
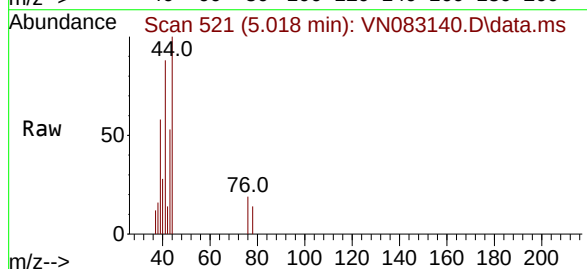
RT: 5.018 min Scan# 521

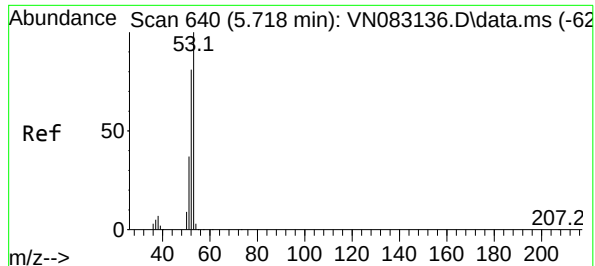
Delta R.T. 0.000 min

Lab File: VN083140.D

Acq: 07 Aug 2024 12:34

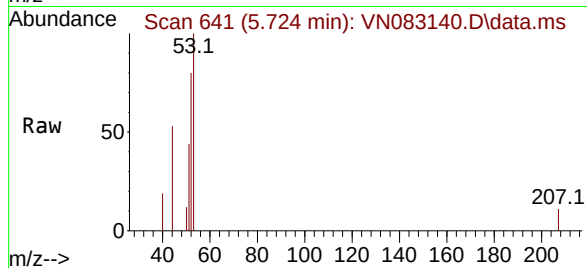
Tgt Ion:	41	Resp:	4894
Ion	Ratio	Lower	Upper
41	100		
39	65.9	67.8	101.6
76	11.9	25.8	38.8





#15
Acrylonitrile
Concen: 5.036 ug/l
RT: 5.724 min Scan# 641
Delta R.T. 0.006 min
Lab File: VN083140.D
Acq: 07 Aug 2024 12:34

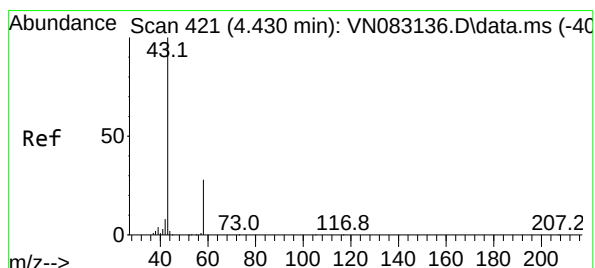
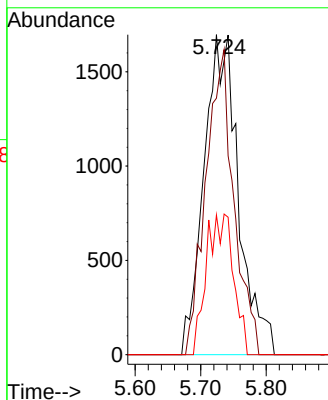
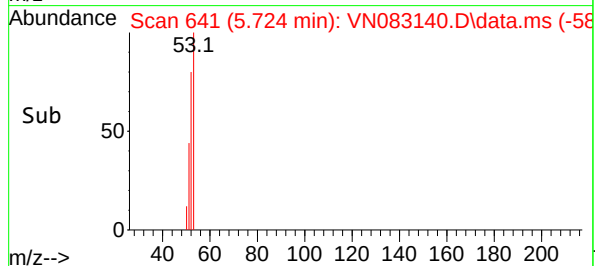
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001



Tgt Ion: 53 Resp: 6198
Ion Ratio Lower Upper
53 100
52 77.5 66.6 100.0
51 34.3 30.1 45.1

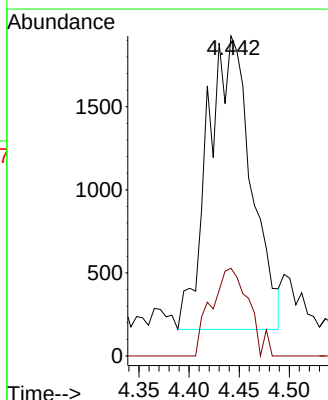
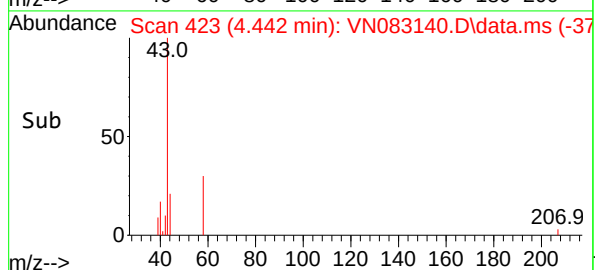
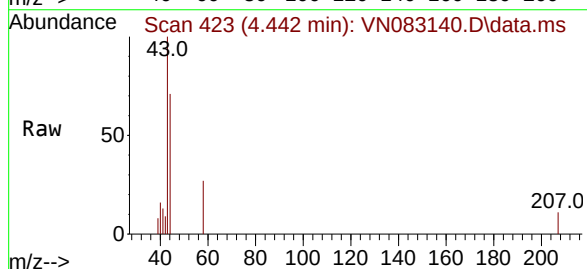
Manual Integrations
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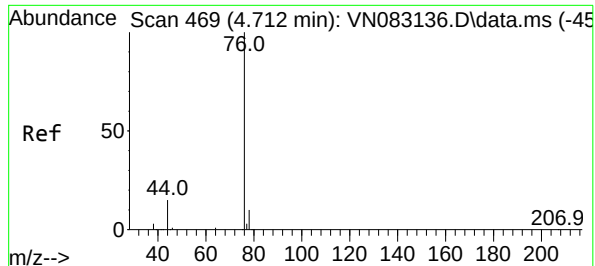
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#16
Acetone
Concen: 4.765 ug/l
RT: 4.442 min Scan# 423
Delta R.T. 0.012 min
Lab File: VN083140.D
Acq: 07 Aug 2024 12:34

Tgt Ion: 43 Resp: 5369
Ion Ratio Lower Upper
43 100
58 29.9 21.8 32.6





#17

Carbon Disulfide

Concen: 1.159 ug/l

RT: 4.718 min Scan# 41

Delta R.T. 0.006 min

Lab File: VN083140.D

Acq: 07 Aug 2024 12:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC001

Tgt Ion: 76 Resp: 760

Ion Ratio Lower Upper

76 100

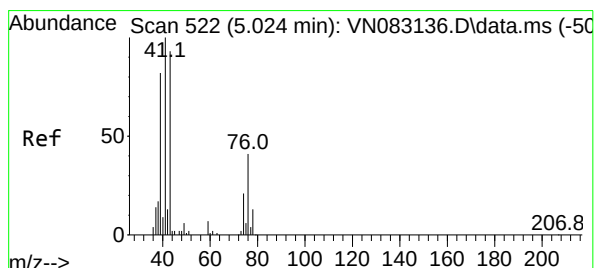
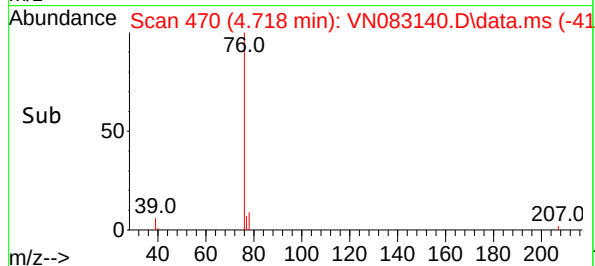
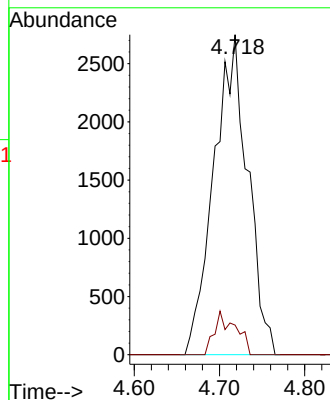
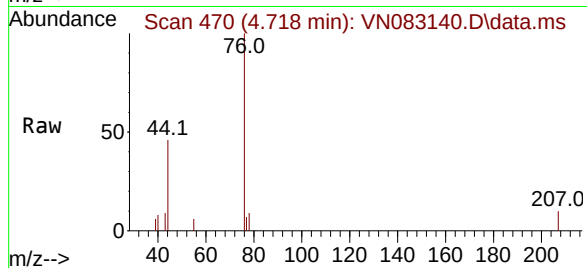
78 9.3 7.2 10.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#18

Methyl Acetate

Concen: 1.188 ug/l

RT: 5.036 min Scan# 524

Delta R.T. 0.012 min

Lab File: VN083140.D

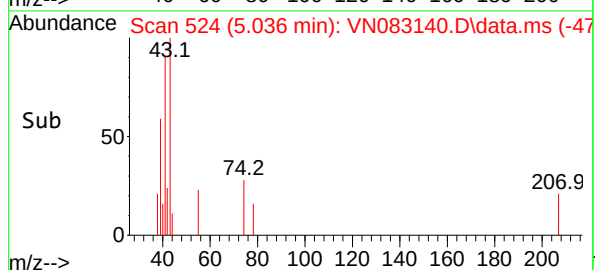
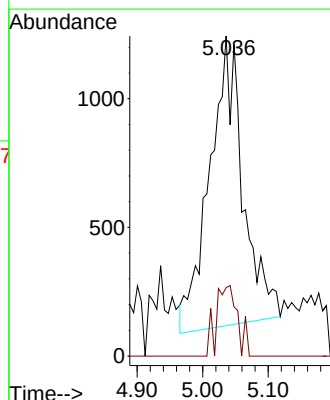
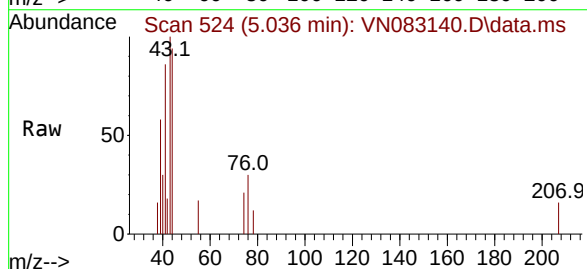
Acq: 07 Aug 2024 12:34

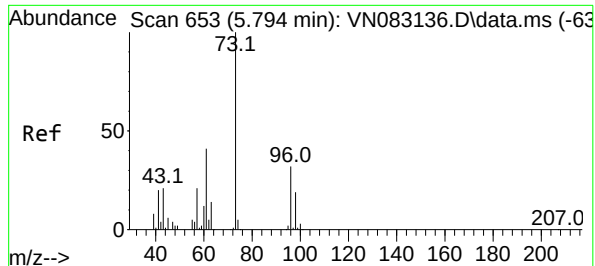
Tgt Ion: 43 Resp: 3987

Ion Ratio Lower Upper

43 100

74 15.5 16.3 24.5#





#19

Methyl tert-butyl Ether

Concen: 0.976 ug/l

RT: 5.795 min Scan# 61

Delta R.T. 0.000 min

Lab File: VN083140.D

Acq: 07 Aug 2024 12:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC001

Tgt Ion: 73 Resp: 7900

Ion Ratio Lower Upper

73 100

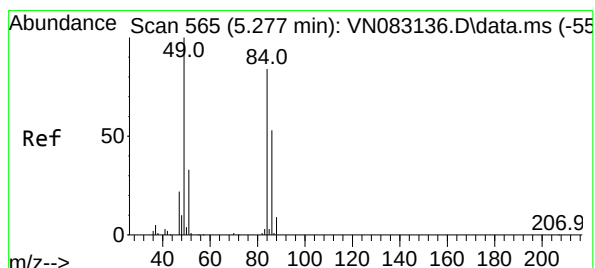
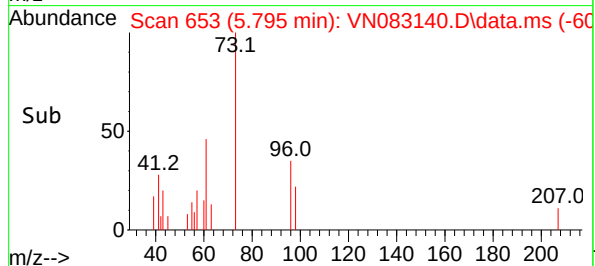
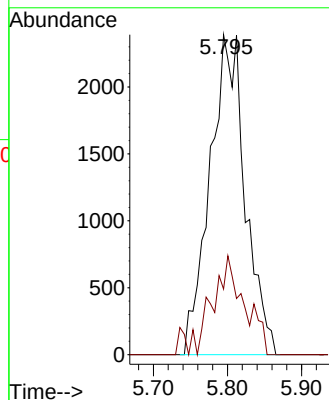
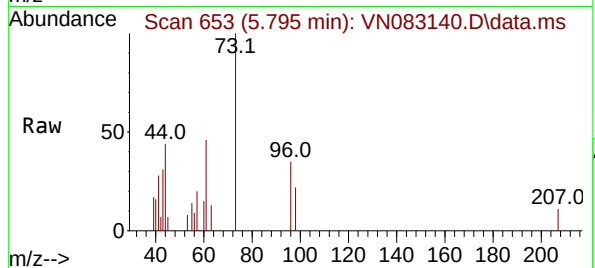
57 20.5 17.9 26.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#20

Methylene Chloride

Concen: 1.255 ug/l

RT: 5.283 min Scan# 566

Delta R.T. 0.006 min

Lab File: VN083140.D

Acq: 07 Aug 2024 12:34

Tgt Ion: 84 Resp: 3255

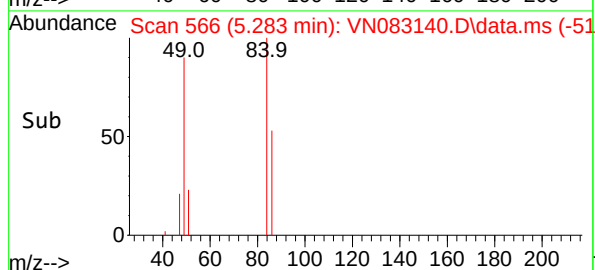
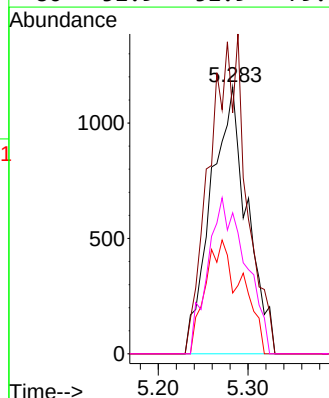
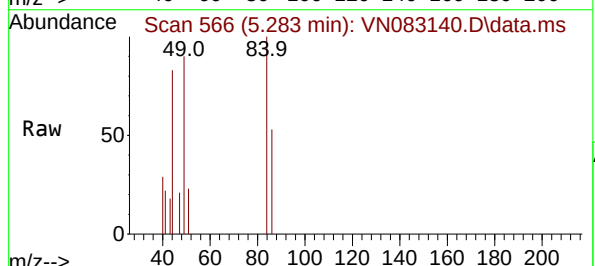
Ion Ratio Lower Upper

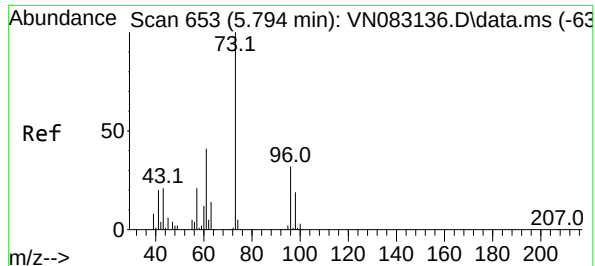
84 100

49 90.3 119.6 179.4#

51 22.8 34.8 52.2#

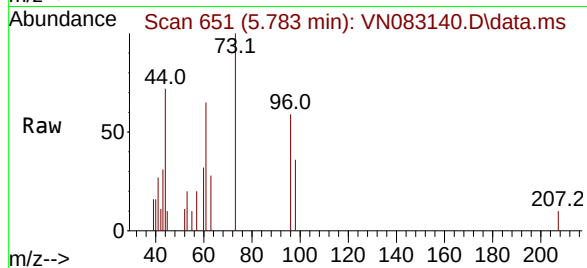
86 52.9 52.9 79.3#





#21
trans-1,2-Dichloroethene
Concen: 1.046 ug/l
RT: 5.783 min Scan# 651
Delta R.T. -0.012 min
Lab File: VN083140.D
Acq: 07 Aug 2024 12:34

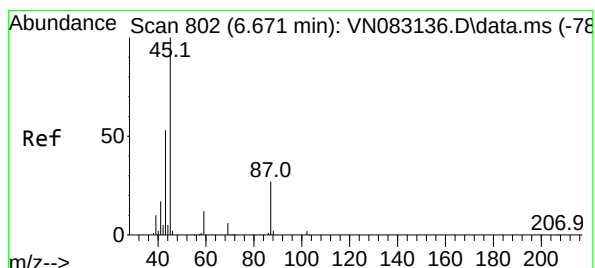
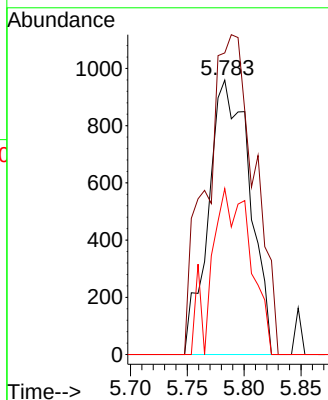
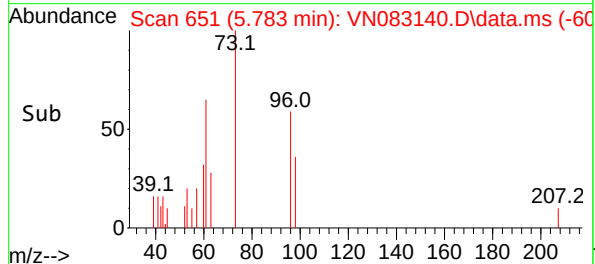
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001



Tgt Ion: 96 Resp: 242
Ion Ratio Lower Upper
96 100
61 109.9 123.4 185.2
98 60.5 49.3 73.9

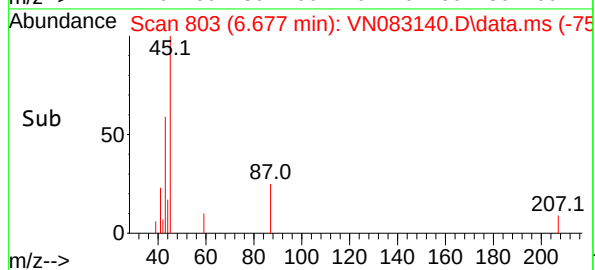
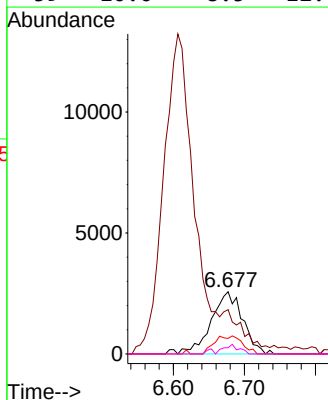
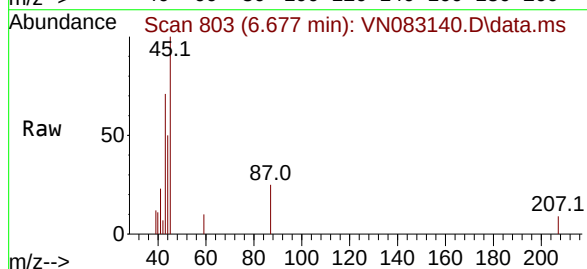
Manual Integrations
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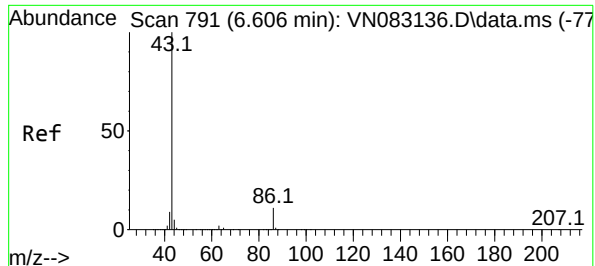
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#22
Diisopropyl ether
Concen: 0.988 ug/l
RT: 6.677 min Scan# 803
Delta R.T. 0.006 min
Lab File: VN083140.D
Acq: 07 Aug 2024 12:34

Tgt Ion: 45 Resp: 7871
Ion Ratio Lower Upper
45 100
43 61.5 44.0 66.0
87 24.9 19.7 29.5
59 10.0 8.5 12.7





#23

Vinyl Acetate

Concen: 4.783 ug/l

RT: 6.606 min Scan# 791

Delta R.T. 0.000 min

Lab File: VN083140.D

Acq: 07 Aug 2024 12:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC001

Tgt Ion: 43 Resp: 3904

Ion Ratio Lower Upper

43 100

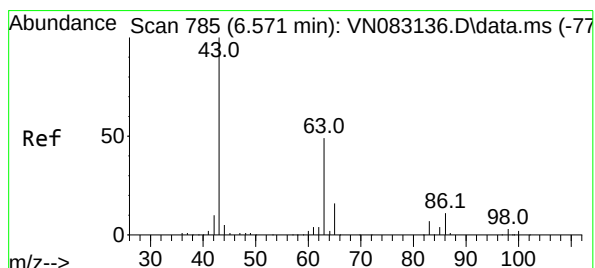
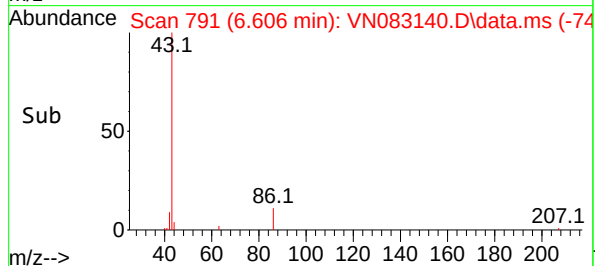
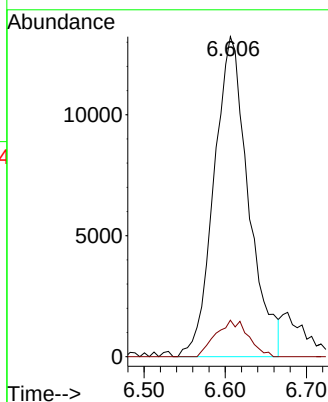
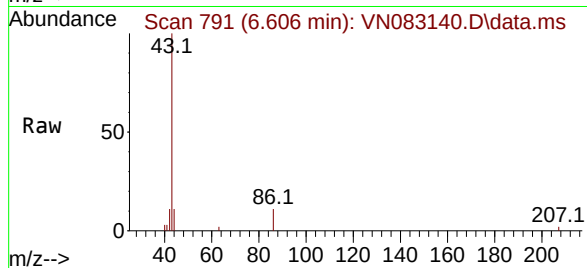
86 11.4 7.3 10.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#24

1,1-Dichloroethane

Concen: 0.965 ug/l

RT: 6.571 min Scan# 785

Delta R.T. 0.000 min

Lab File: VN083140.D

Acq: 07 Aug 2024 12:34

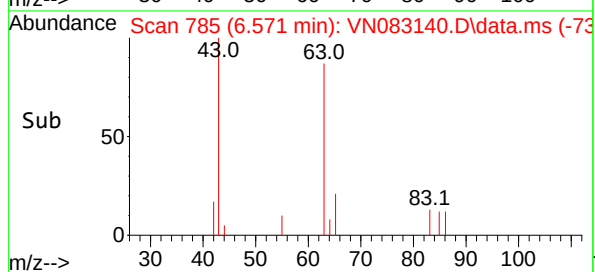
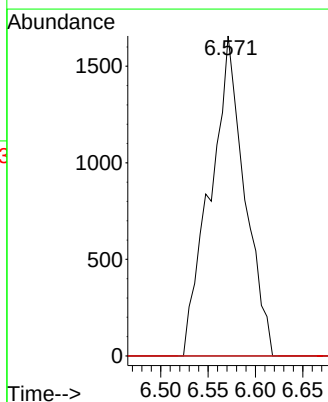
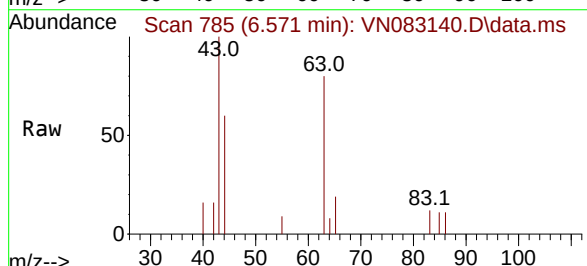
Tgt Ion: 63 Resp: 4189

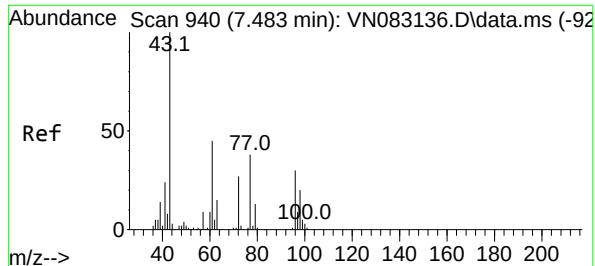
Ion Ratio Lower Upper

63 100

98 0.0 3.3 9.9#

100 0.0 2.0 6.0#





#25

2-Butanone

Concen: 5.297 ug/l

RT: 7.495 min Scan# 942

Delta R.T. 0.012 min

Lab File: VN083140.D

Acq: 07 Aug 2024 12:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC001

Tgt Ion: 43 Resp: 9164

Ion Ratio Lower Upper

43 100

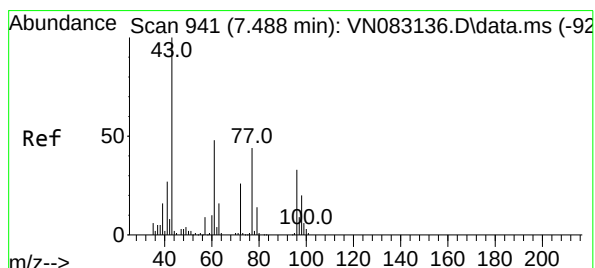
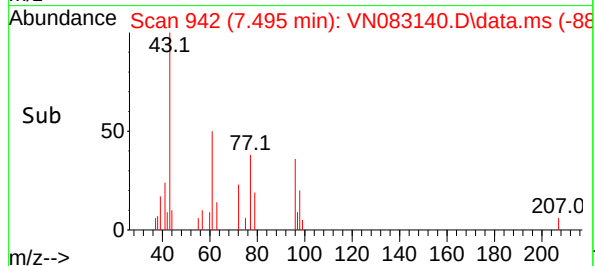
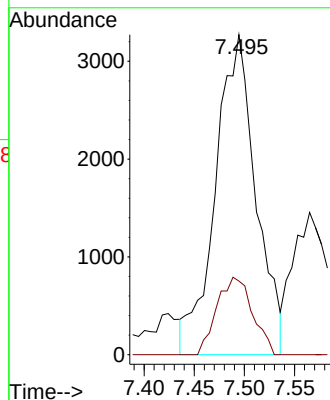
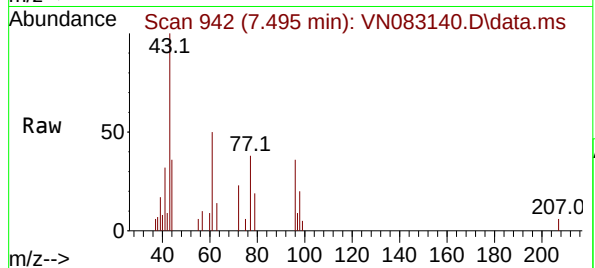
72 25.9 18.2 27.2

Manual Integrations

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Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#26

2,2-Dichloropropane

Concen: 0.928 ug/l

RT: 7.489 min Scan# 941

Delta R.T. 0.000 min

Lab File: VN083140.D

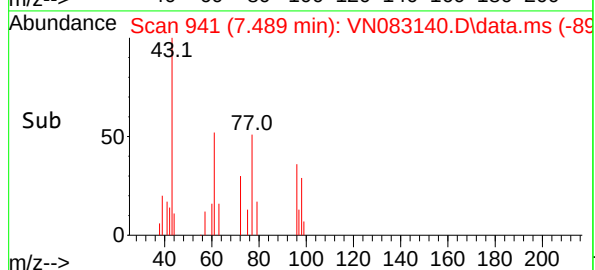
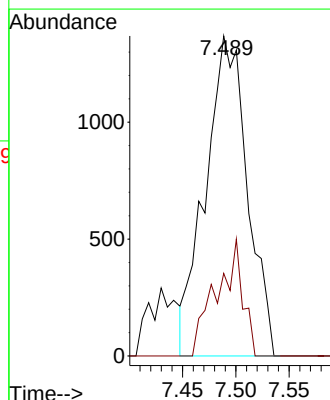
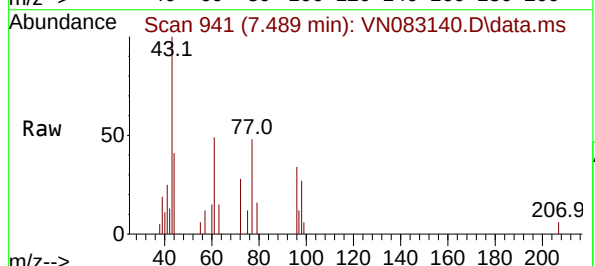
Acq: 07 Aug 2024 12:34

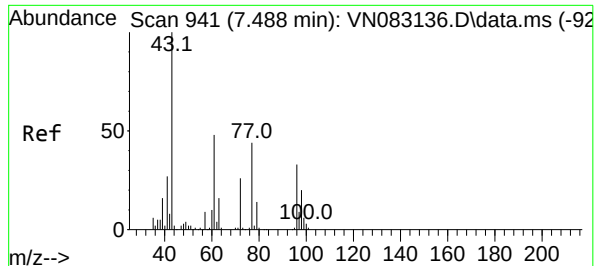
Tgt Ion: 77 Resp: 3741

Ion Ratio Lower Upper

77 100

97 22.9 10.3 30.9





#27

cis-1,2-Dichloroethene

Concen: 1.044 ug/l

RT: 7.495 min Scan# 941

Delta R.T. 0.006 min

Lab File: VN083140.D

Acq: 07 Aug 2024 12:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

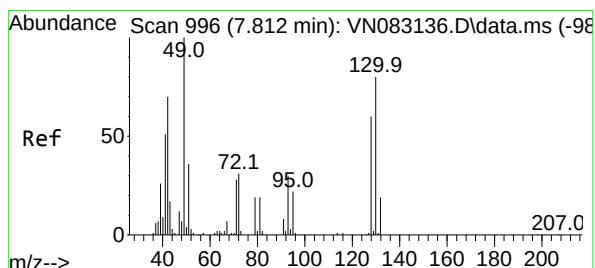
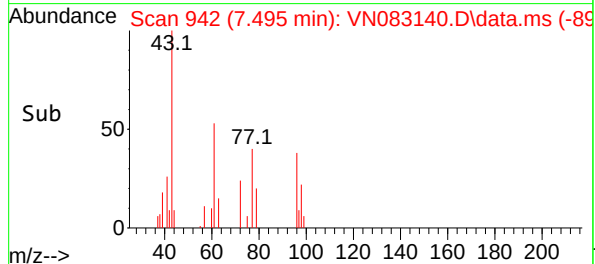
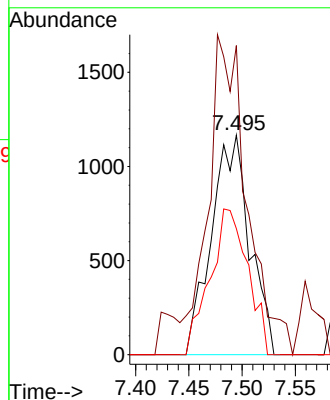
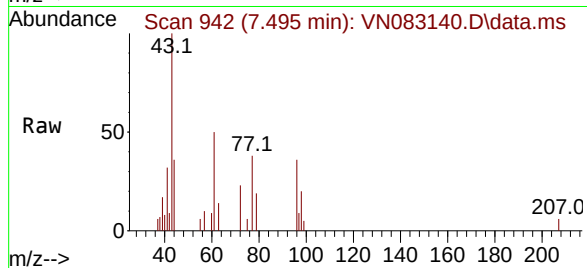
Tgt Ion:	96	Resp:	2919
Ion	Ratio	Lower	Upper
96	100		
61	146.7	0.0	329.6
98	65.4	0.0	128.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#28

Bromochloromethane

Concen: 1.061 ug/l

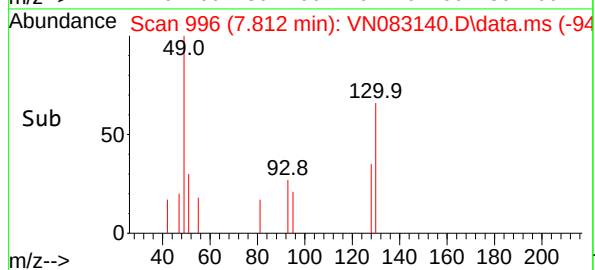
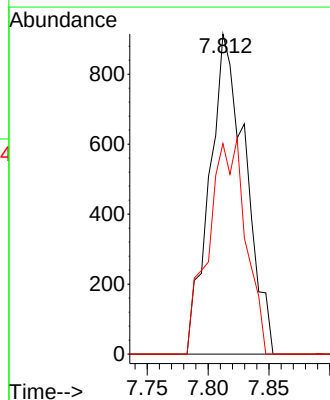
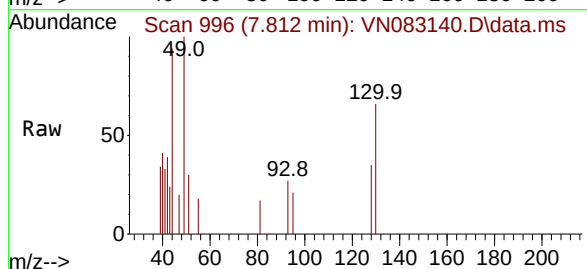
RT: 7.812 min Scan# 996

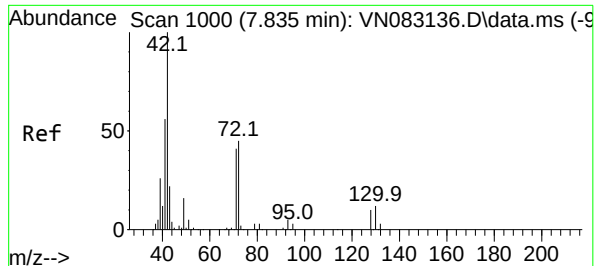
Delta R.T. 0.000 min

Lab File: VN083140.D

Acq: 07 Aug 2024 12:34

Tgt Ion:	49	Resp:	1883
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.8
130	69.5	50.5	75.7





#29

Tetrahydrofuran

Concen: 4.909 ug/l

RT: 7.842 min Scan# 1000

Delta R.T. 0.006 min

Lab File: VN083140.D

Acq: 07 Aug 2024 12:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

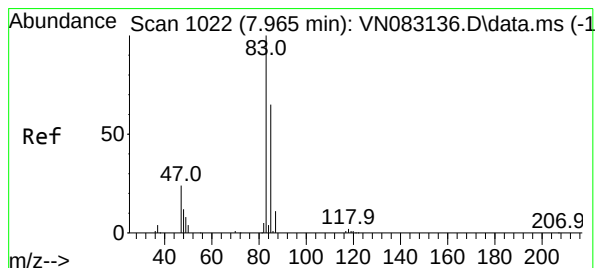
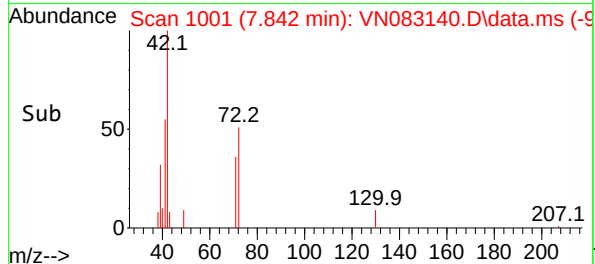
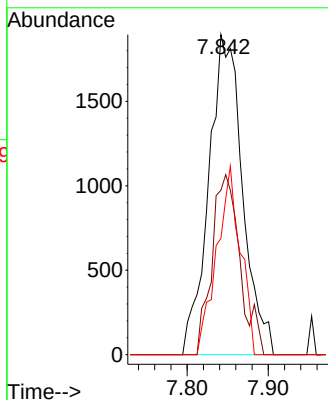
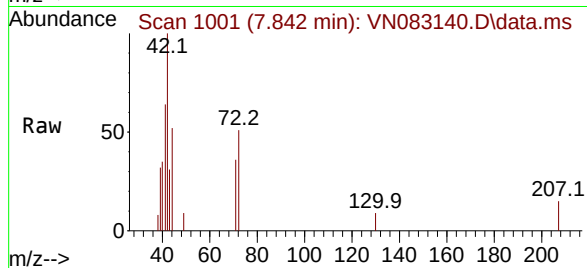
Tgt Ion:	42	Resp:	5490
Ion Ratio	Lower	Upper	
42	100		
72	46.5	30.0	45.0
71	41.2	28.3	42.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#30

Chloroform

Concen: 0.988 ug/l

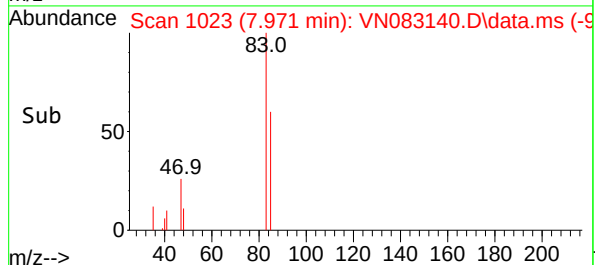
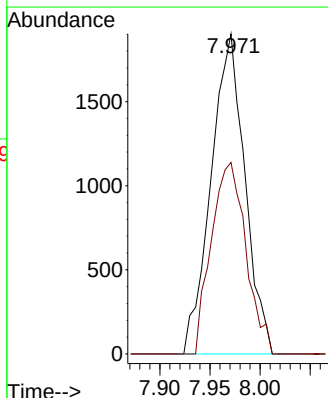
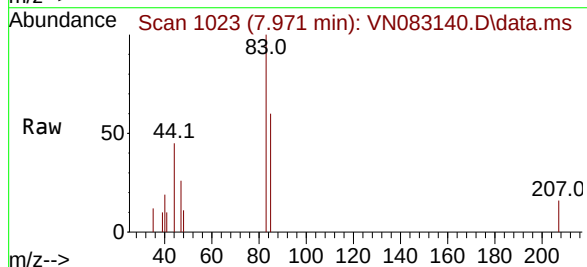
RT: 7.971 min Scan# 1023

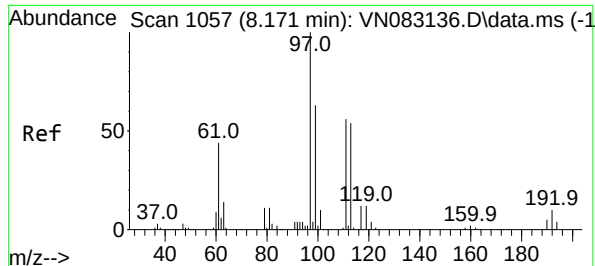
Delta R.T. 0.006 min

Lab File: VN083140.D

Acq: 07 Aug 2024 12:34

Tgt Ion:	83	Resp:	4457
Ion Ratio	Lower	Upper	
83	100		
85	59.8	50.9	76.3





#32

1,1,1-Trichloroethane

Concen: 0.955 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VN083140.D

Acq: 07 Aug 2024 12:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion: 97 Resp: 4070

Ion Ratio Lower Upper

97 100

99 0.0 52.0 78.0

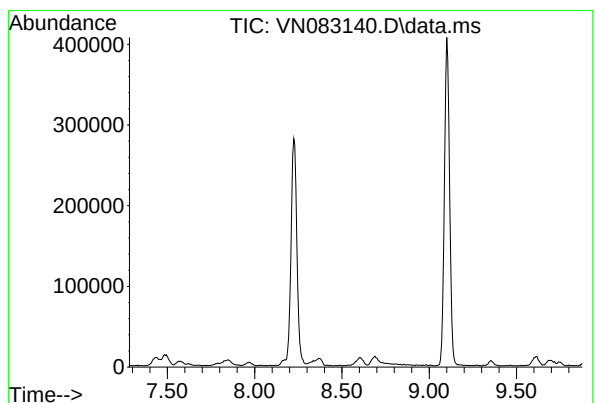
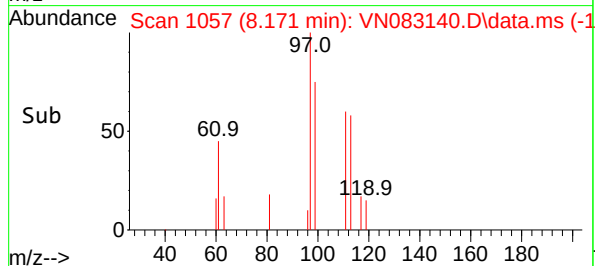
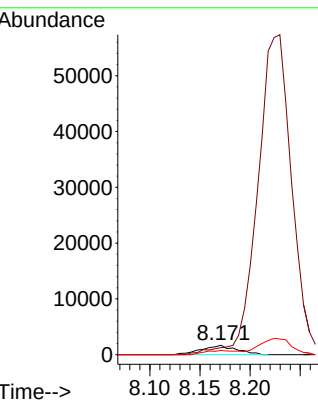
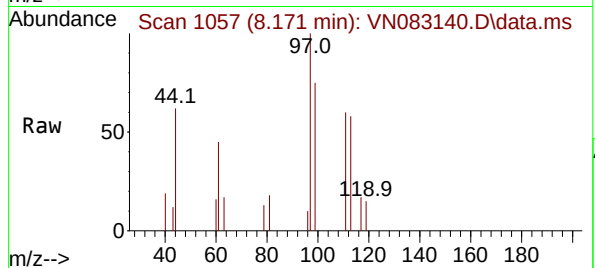
61 44.6 42.1 63.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#33

1,2-Dichloroethane-d4

Concen: 0.000 ug/l

Expected RT: 8.58 min

Lab File: VN083140.D

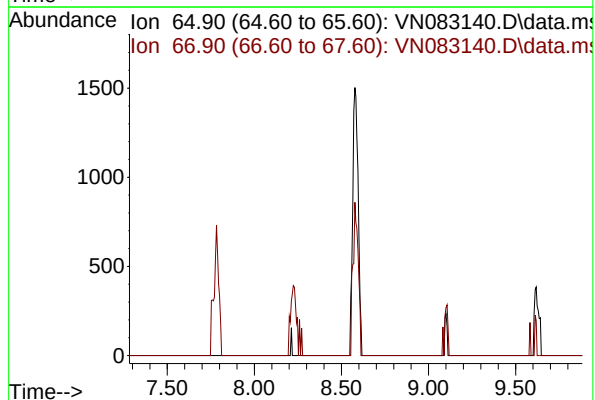
Acq: 07 Aug 2024 12:34

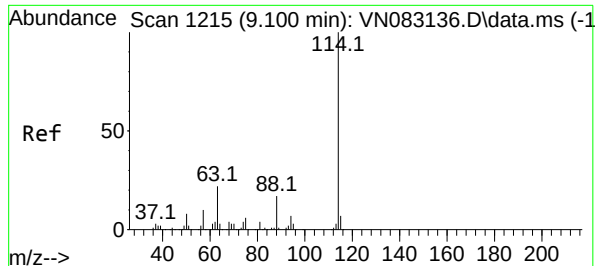
Tgt Ion: 65

Sig Exp Ratio

65 100

67 52.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN083140.D

Acq: 07 Aug 2024 12:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC001

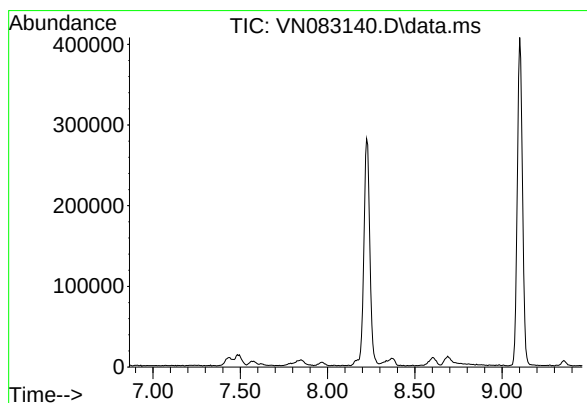
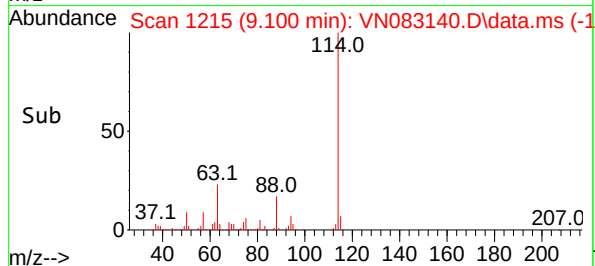
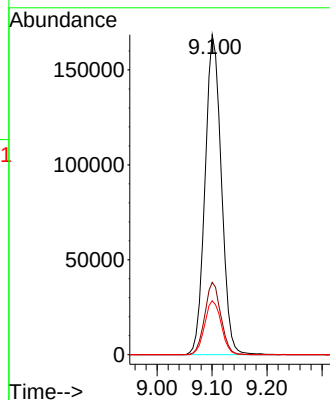
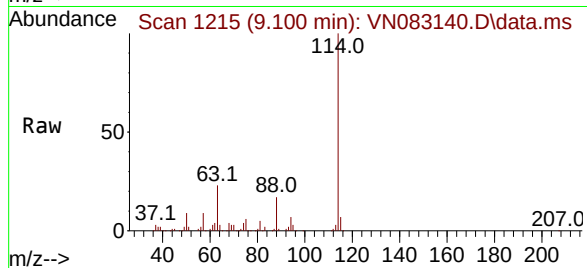
Tgt Ion:	114	Resp:	347394
Ion Ratio	Lower	Upper	
114	100		
63	22.6	0.0	44.6
88	16.9	0.0	31.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#35

Dibromofluoromethane

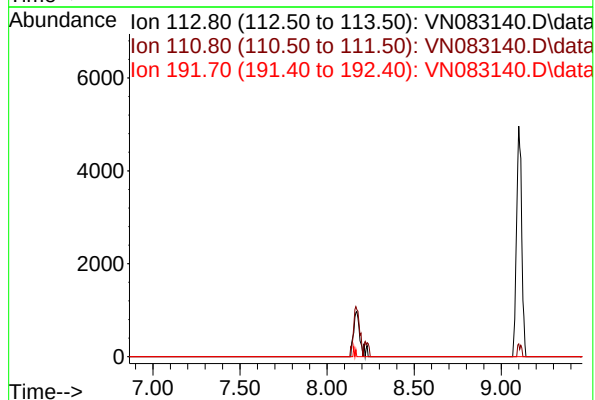
Concen: 0.000 ug/l

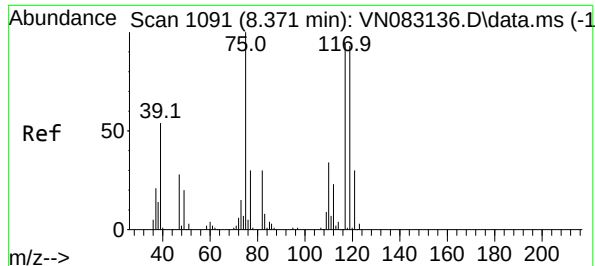
Expected RT: 8.16 min

Lab File: VN083140.D

Acq: 07 Aug 2024 12:34

Tgt Ion:	113
Sig	Exp Ratio
113	100
111	103.0
192	18.6





#36

1,1-Dichloropropene

Concen: 1.034 ug/l

RT: 8.377 min Scan# 1091

Delta R.T. 0.006 min

Lab File: VN083140.D

Acq: 07 Aug 2024 12:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

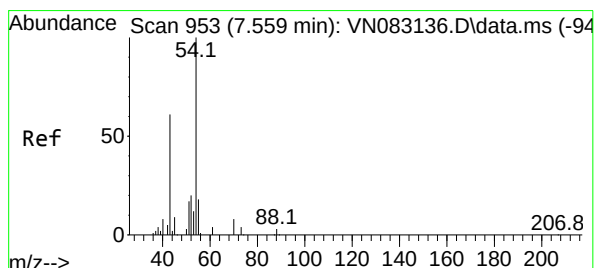
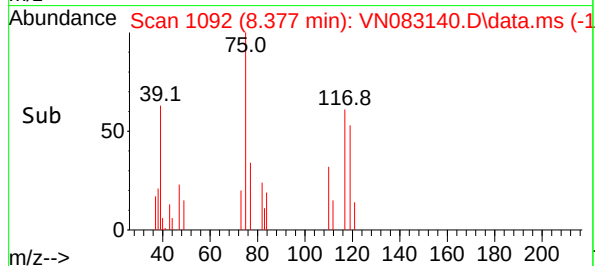
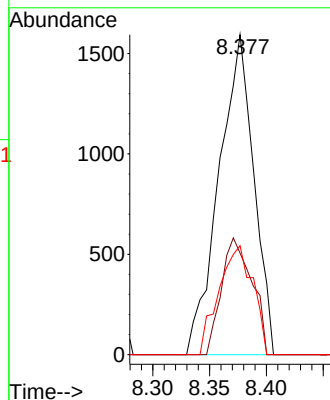
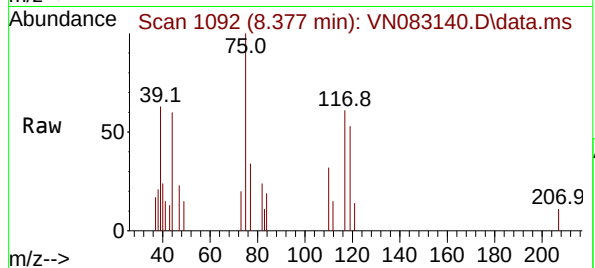
Tgt Ion:	75	Resp:	339
Ion	Ratio	Lower	Upper
75	100		
110	32.0	16.3	48.9
77	33.3	24.6	37.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#37

Ethyl Acetate

Concen: 1.257 ug/l

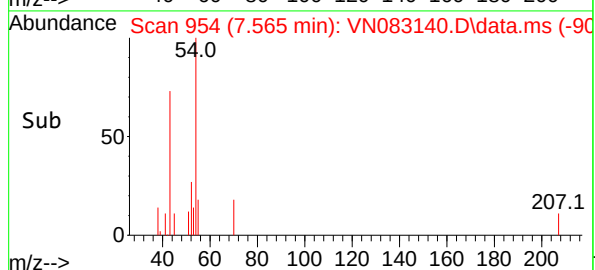
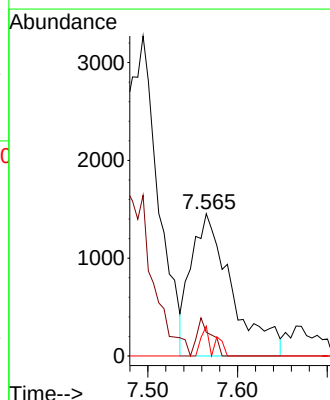
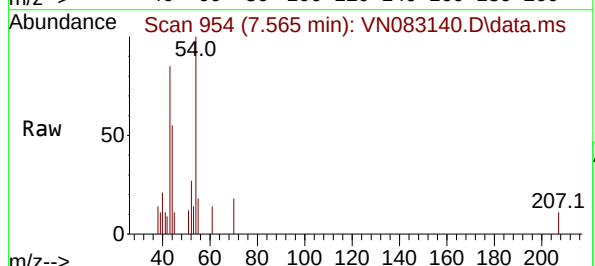
RT: 7.565 min Scan# 954

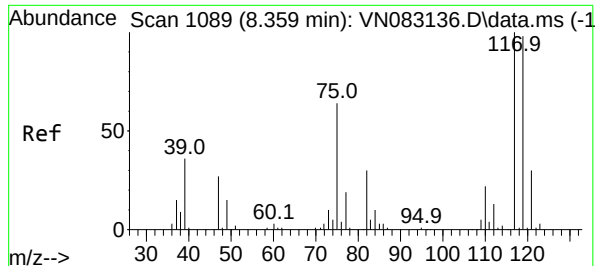
Delta R.T. 0.006 min

Lab File: VN083140.D

Acq: 07 Aug 2024 12:34

Tgt Ion:	43	Resp:	4617
Ion	Ratio	Lower	Upper
43	100		
61	9.2	9.3	13.9#
70	3.8	7.0	10.6#





#38

Carbon Tetrachloride

Concen: 0.926 ug/l

RT: 8.359 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VN083140.D

Acq: 07 Aug 2024 12:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC001

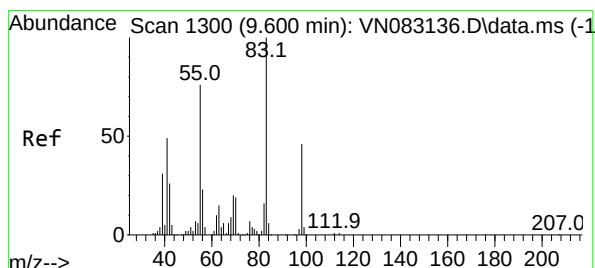
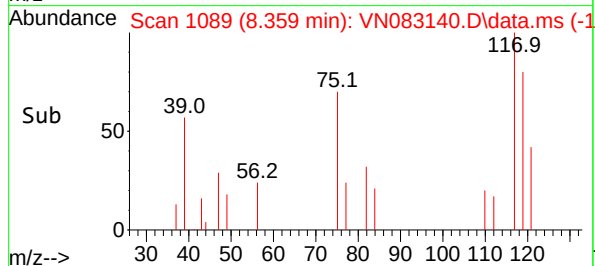
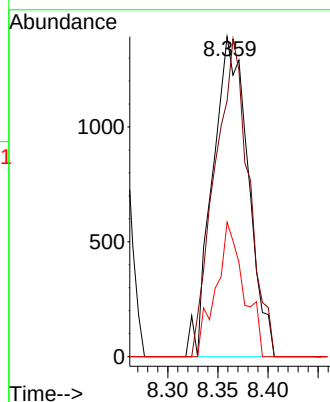
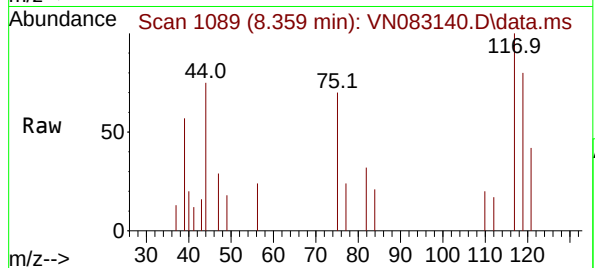
Tgt Ion:117	Resp:	342
Ion	Ratio	Lower Upper
117	100	
119	79.9	74.9 112.3
121	42.0	24.3 36.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#39

Methylcyclohexane

Concen: 0.986 ug/l

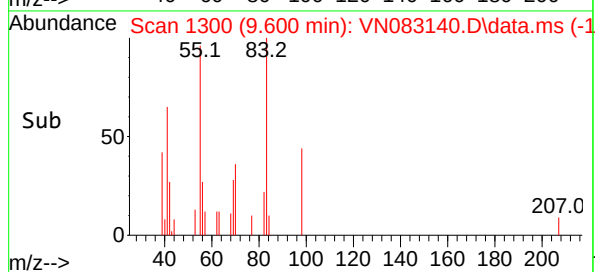
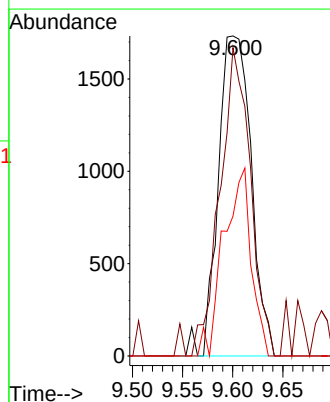
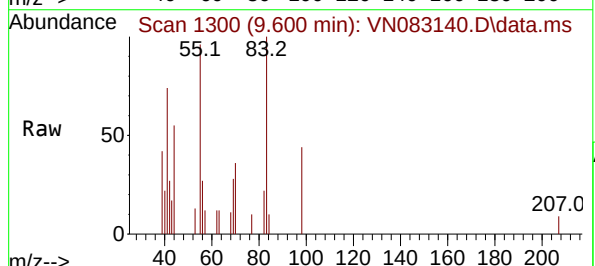
RT: 9.600 min Scan# 1300

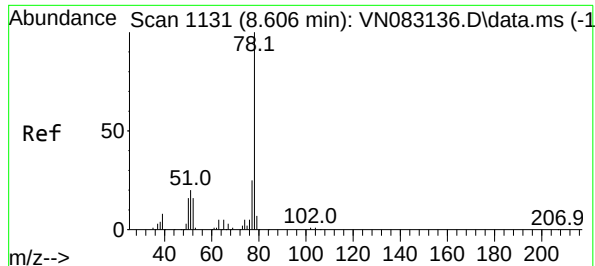
Delta R.T. 0.000 min

Lab File: VN083140.D

Acq: 07 Aug 2024 12:34

Tgt Ion: 83	Resp:	3974
Ion	Ratio	Lower Upper
83	100	
55	96.3	66.4 99.6
98	43.7	40.7 61.1





#40

Benzene

Concen: 0.955 ug/l

RT: 8.606 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VN083140.D

Acq: 07 Aug 2024 12:34

Instrument :

MSVOA_N

ClientSampleId :

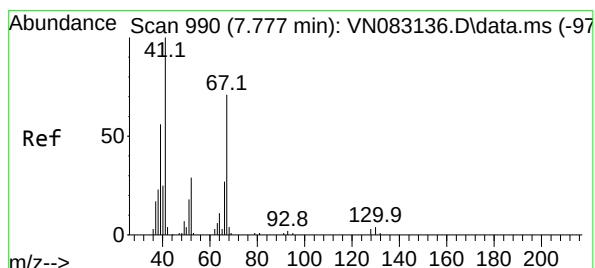
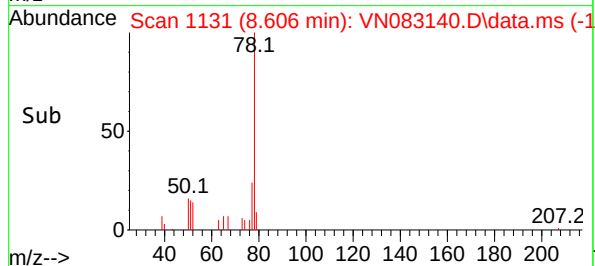
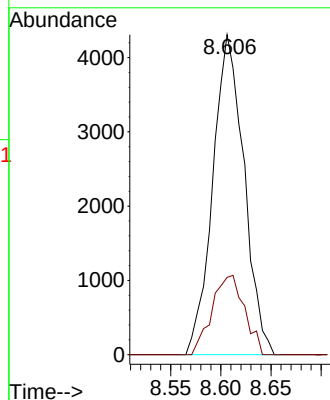
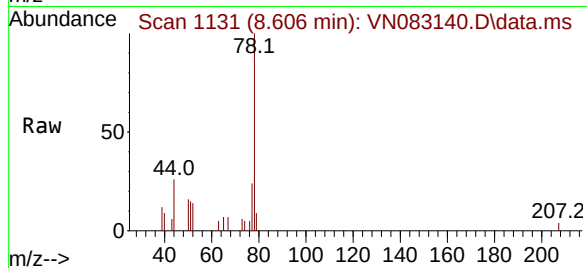
VSTDICC001

Tgt Ion:	78	Resp:	9334
Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.0	28.4

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#41

Methacrylonitrile

Concen: 1.254 ug/l

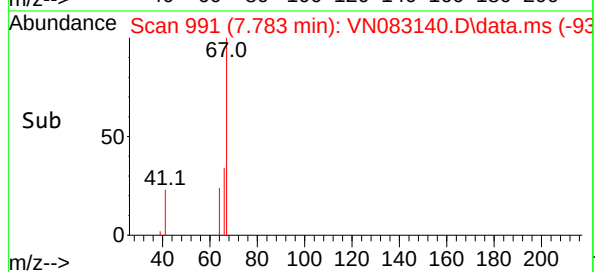
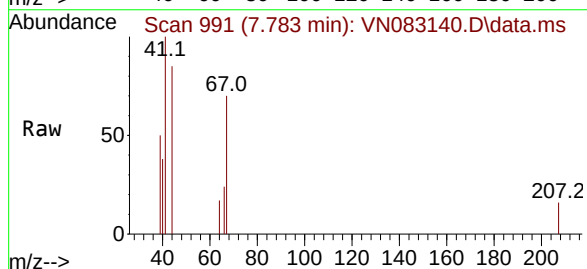
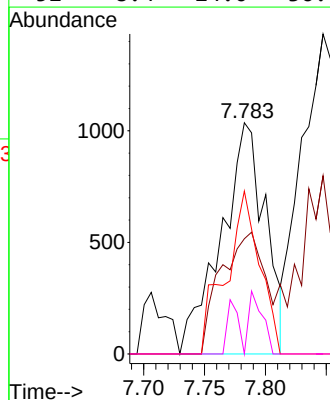
RT: 7.783 min Scan# 991

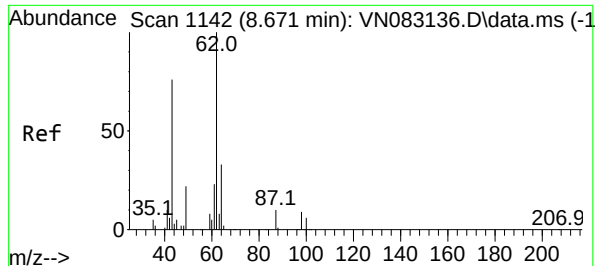
Delta R.T. 0.006 min

Lab File: VN083140.D

Acq: 07 Aug 2024 12:34

Tgt Ion:	41	Resp:	2618
Ion	Ratio	Lower	Upper
41	100		
39	52.4	45.5	68.3
67	54.2	50.5	75.7
52	8.4	24.0	36.0





#42

1,2-Dichloroethane

Concen: 0.971 ug/l

RT: 8.677 min Scan# 1142

Delta R.T. 0.006 min

Lab File: VN083140.D

Acq: 07 Aug 2024 12:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion: 62 Resp: 345

Ion Ratio Lower Upper

62 100

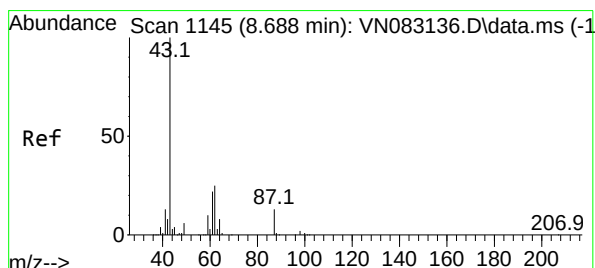
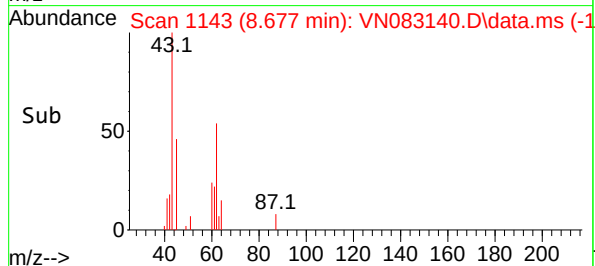
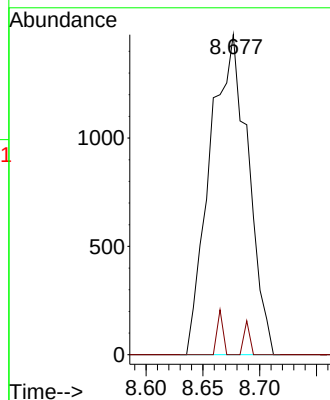
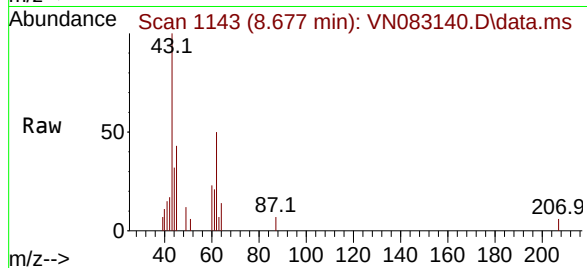
98 1.6 0.0 15.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#43

Isopropyl Acetate

Concen: 0.753 ug/l

RT: 8.689 min Scan# 1145

Delta R.T. 0.001 min

Lab File: VN083140.D

Acq: 07 Aug 2024 12:34

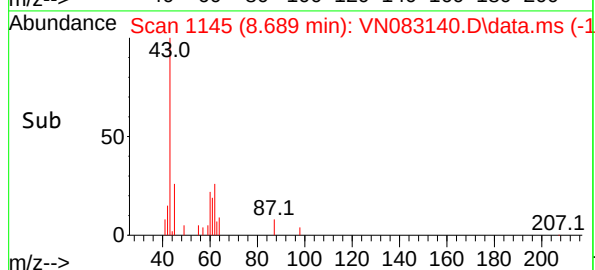
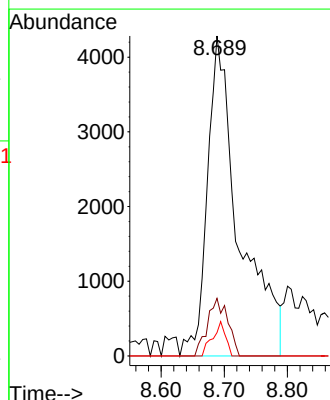
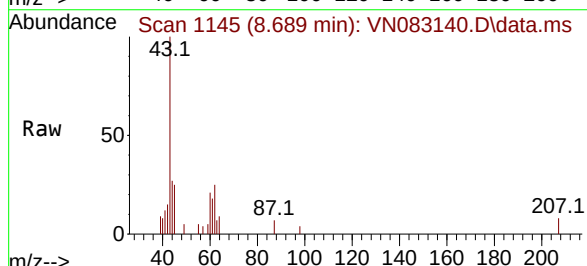
Tgt Ion: 43 Resp: 14981

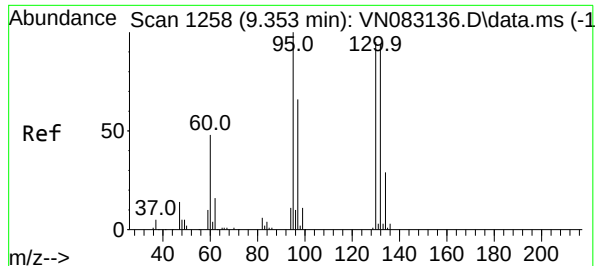
Ion Ratio Lower Upper

43 100

61 11.5 17.8 26.6#

87 4.4 8.2 12.2#





#44

Trichloroethene

Concen: 0.925 ug/l

RT: 9.359 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN083140.D

Acq: 07 Aug 2024 12:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion:130 Resp: 215

Ion Ratio Lower Upper

130 100

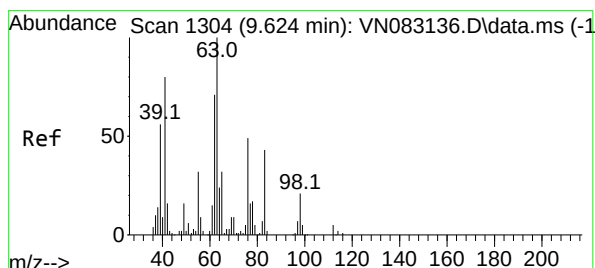
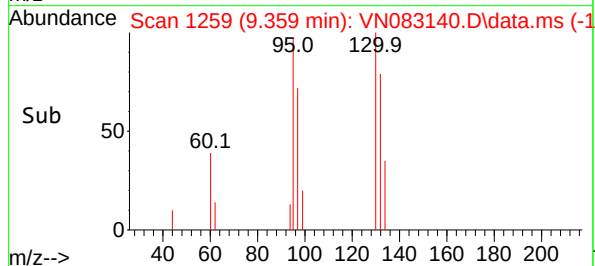
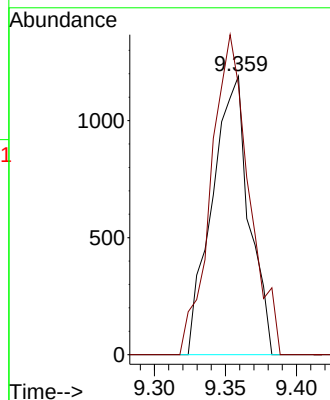
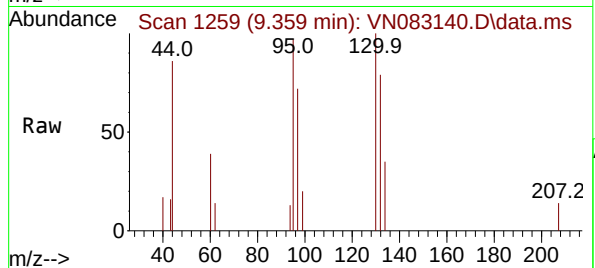
95 96.7 0.0 197.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#45

1,2-Dichloropropane

Concen: 0.946 ug/l

RT: 9.618 min Scan# 1303

Delta R.T. -0.006 min

Lab File: VN083140.D

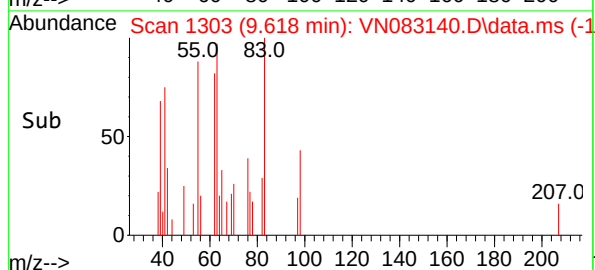
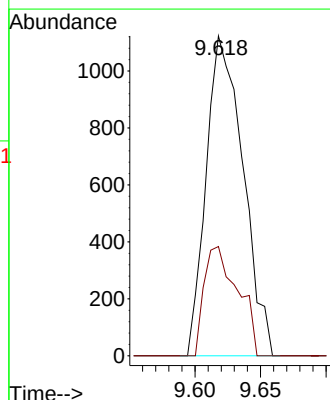
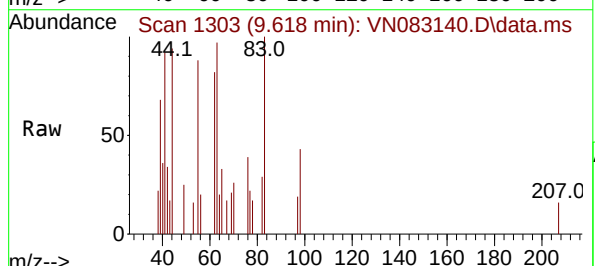
Acq: 07 Aug 2024 12:34

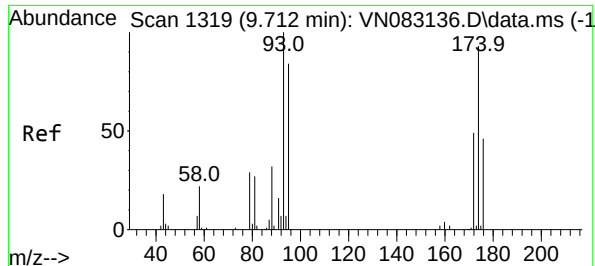
Tgt Ion: 63 Resp: 2194

Ion Ratio Lower Upper

63 100

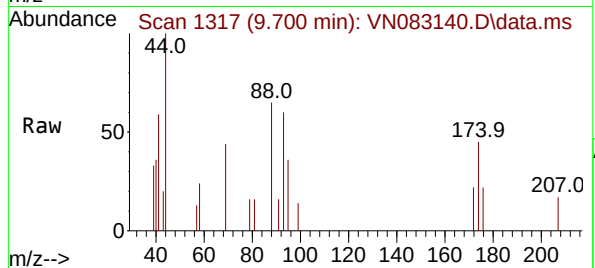
65 34.2 24.4 36.6





#46
Dibromomethane
Concen: 0.911 ug/l
RT: 9.700 min Scan# 1319
Delta R.T. -0.012 min
Lab File: VN083140.D
Acq: 07 Aug 2024 12:34

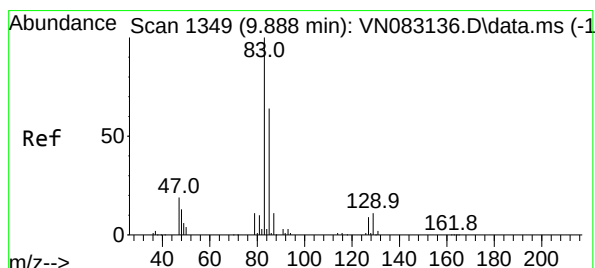
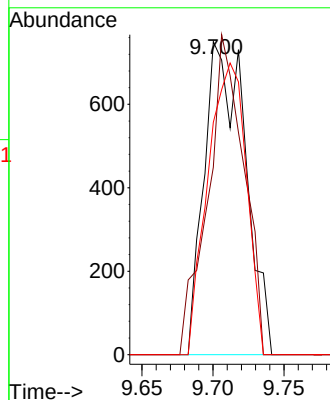
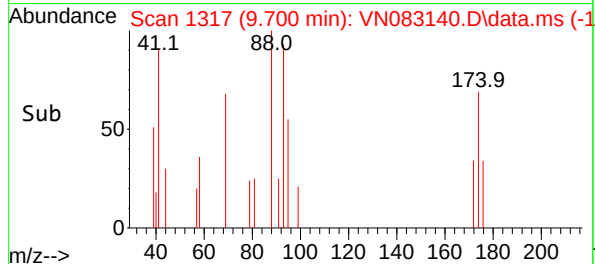
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001



Tgt Ion: 93 Resp: 151
Ion Ratio Lower Upper
93 100
95 89.4 65.8 98.6
174 87.3 71.7 107.5

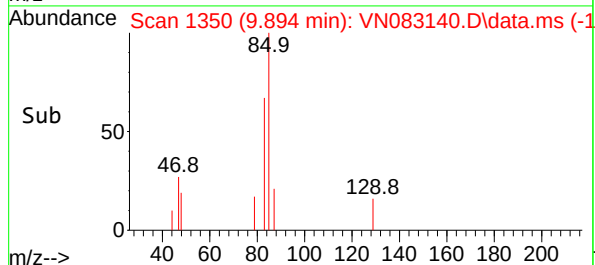
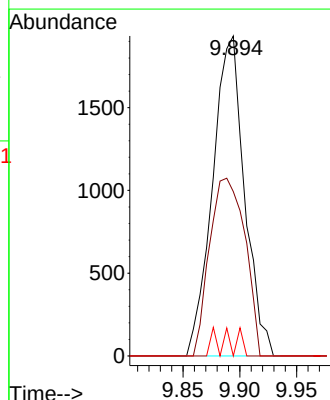
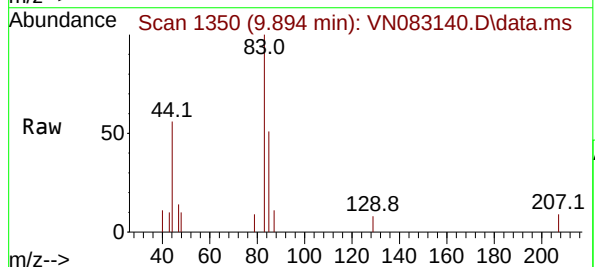
Manual Integrations
APPROVED

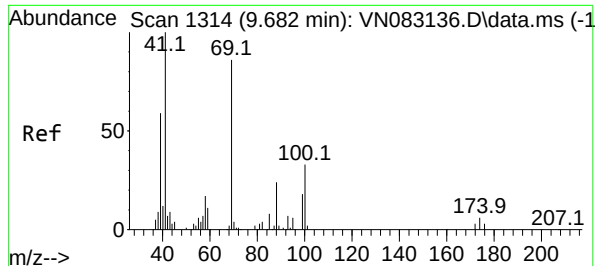
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#47
Bromodichloromethane
Concen: 1.015 ug/l
RT: 9.894 min Scan# 1350
Delta R.T. 0.006 min
Lab File: VN083140.D
Acq: 07 Aug 2024 12:34

Tgt Ion: 83 Resp: 3783
Ion Ratio Lower Upper
83 100
85 51.4 51.1 76.7
127 0.0 7.2 10.8#





#48

Methyl methacrylate

Concen: 1.159 ug/l

RT: 9.683 min Scan# 1314

Delta R.T. 0.000 min

Lab File: VN083140.D

Acq: 07 Aug 2024 12:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

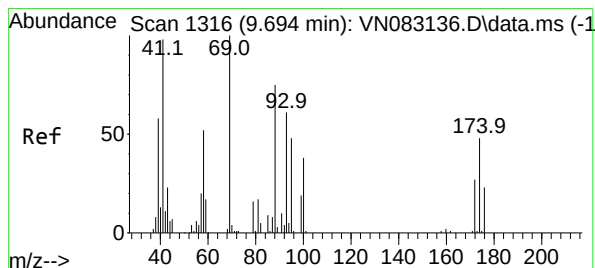
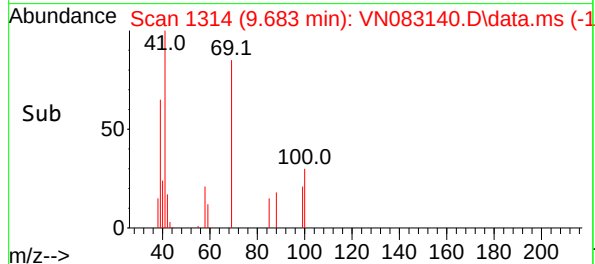
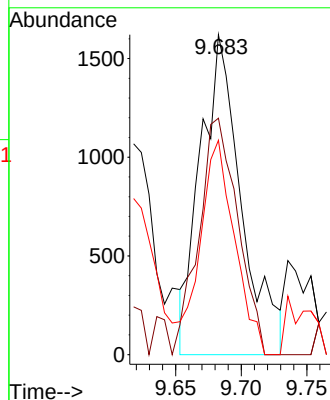
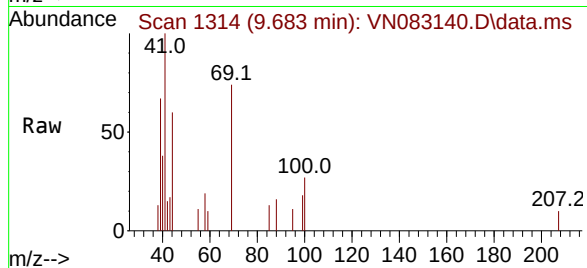
Tgt Ion:	41	Resp:	3518
Ion	Ratio	Lower	Upper
41	100		
69	70.6	56.3	84.5
39	57.3	50.3	75.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#49

1,4-Dioxane

Concen: 19.880 ug/l

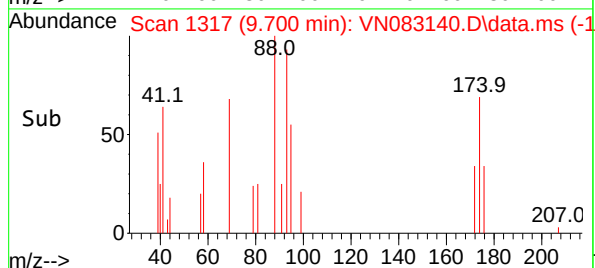
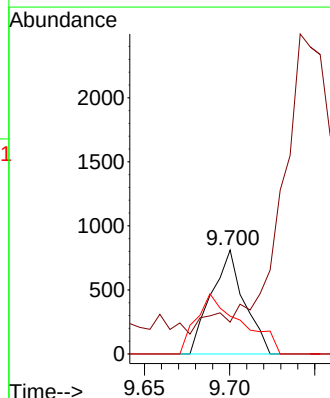
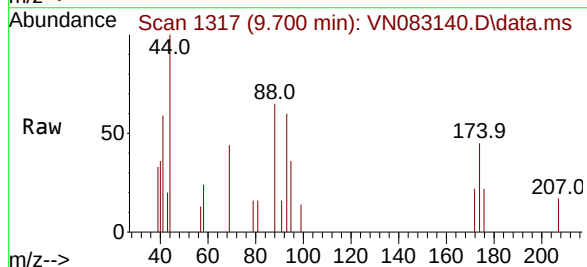
RT: 9.700 min Scan# 1317

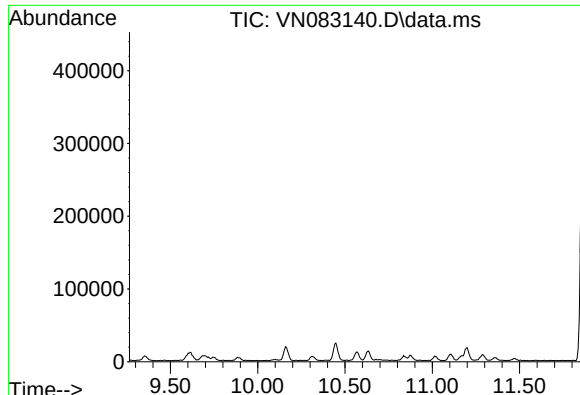
Delta R.T. 0.006 min

Lab File: VN083140.D

Acq: 07 Aug 2024 12:34

Tgt Ion:	88	Resp:	1089
Ion	Ratio	Lower	Upper
88	100		
43	0.0	27.8	41.8#
58	79.4	59.4	89.0





#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 10.56 min

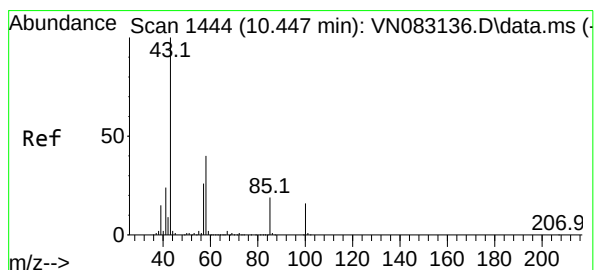
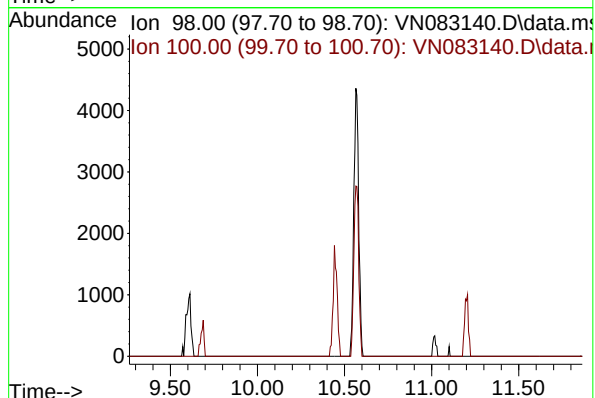
Lab File: VN083140.D
Acq: 07 Aug 2024 12:34

Tgt Ion: 98
Sig Exp Ratio
98 100
100 64.4

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

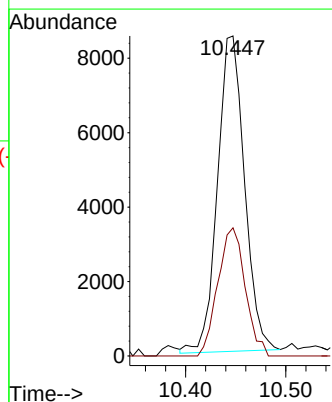
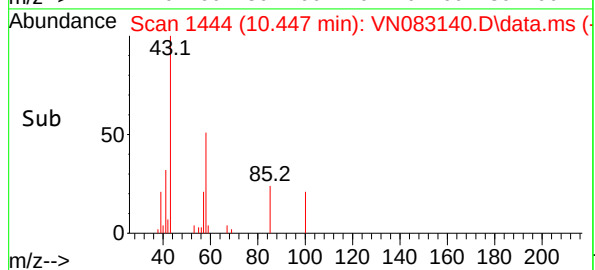
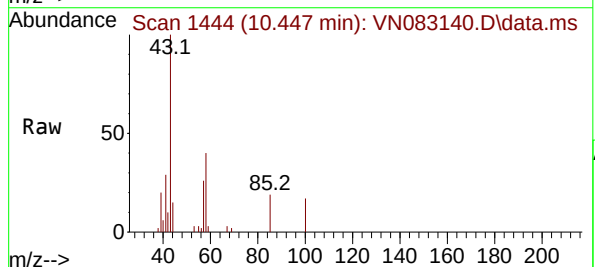
Manual Integrations
APPROVED

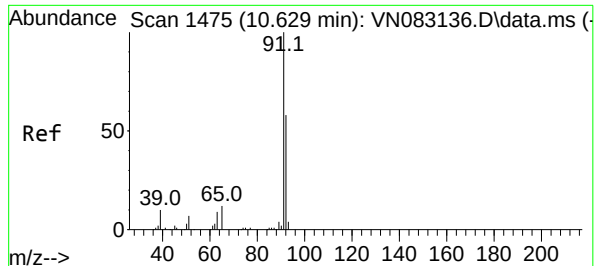
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#51
4-Methyl-2-Pentanone
Concen: 4.570 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN083140.D
Acq: 07 Aug 2024 12:34

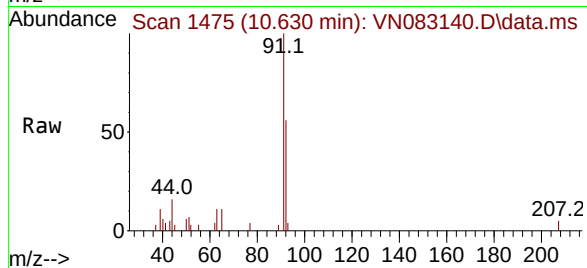
Tgt Ion: 43 Resp: 15872
Ion Ratio Lower Upper
43 100
58 41.1 28.2 42.4





#52
Toluene
Concen: 0.927 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN083140.D
Acq: 07 Aug 2024 12:34

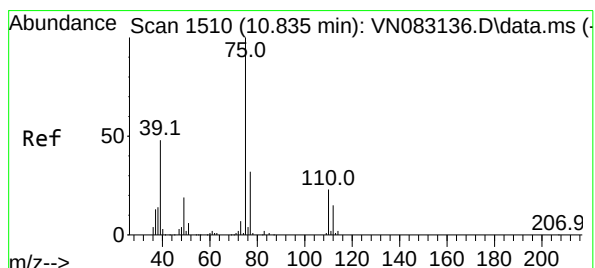
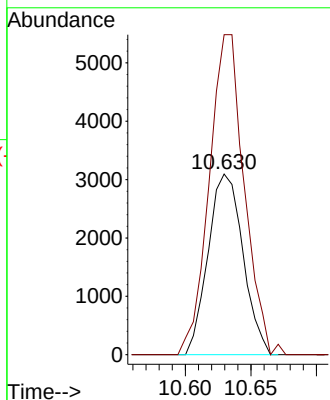
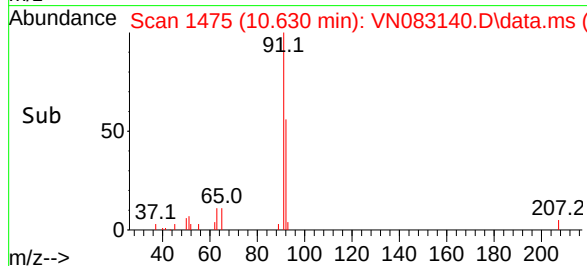
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001



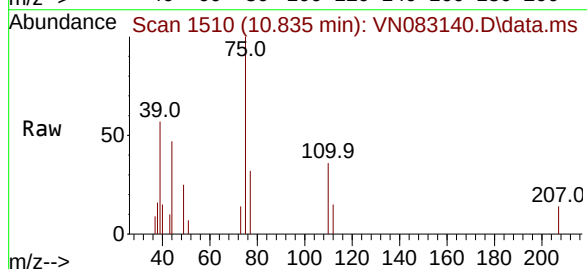
Tgt Ion: 92 Resp: 572
Ion Ratio Lower Upper
92 100
91 178.1 139.4 209.0

Manual Integrations
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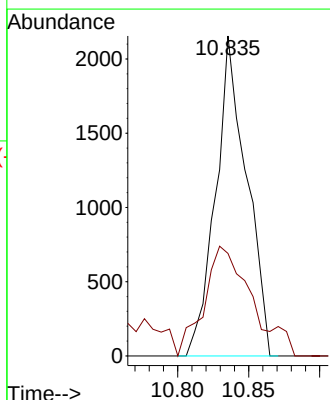
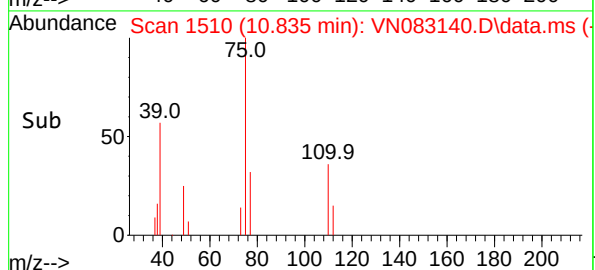
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024

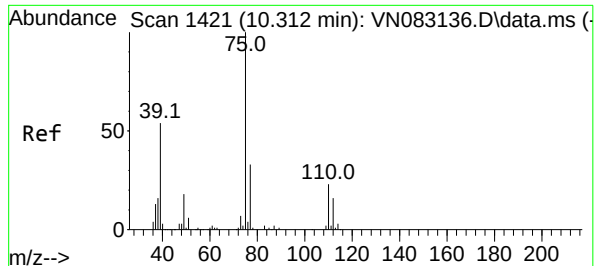


#53
t-1,3-Dichloropropene
Concen: 0.851 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. 0.000 min
Lab File: VN083140.D
Acq: 07 Aug 2024 12:34



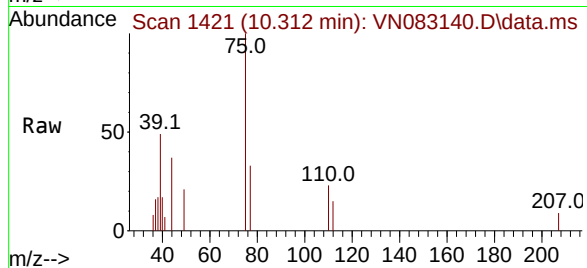
Tgt Ion: 75 Resp: 3260
Ion Ratio Lower Upper
75 100
77 32.0 25.7 38.5





#54
 cis-1,3-Dichloropropene
 Concen: 0.932 ug/l
 RT: 10.312 min Scan# 1421
 Delta R.T. 0.000 min
 Lab File: VN083140.D
 Acq: 07 Aug 2024 12:34

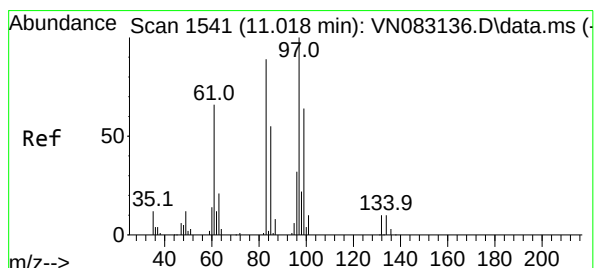
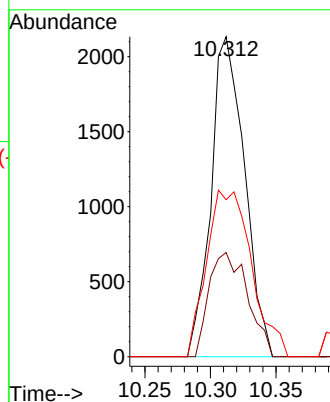
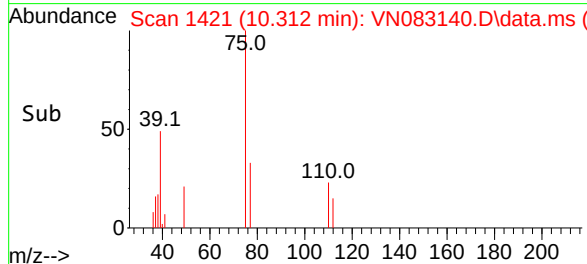
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001



Tgt Ion: 75 Resp: 379
 Ion Ratio Lower Upper
 75 100
 77 32.5 24.3 36.5
 39 49.0 50.5 75.7

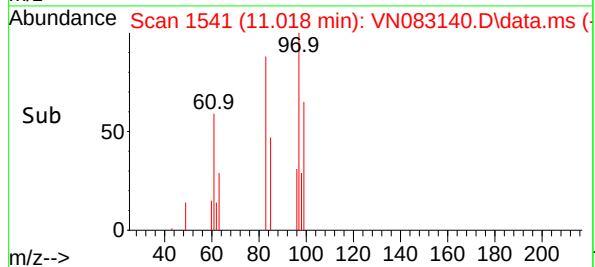
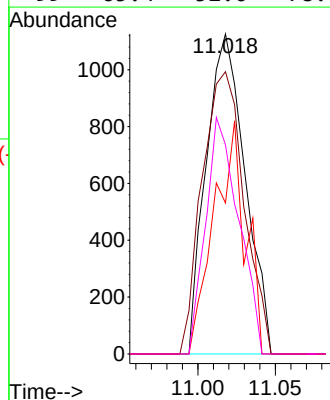
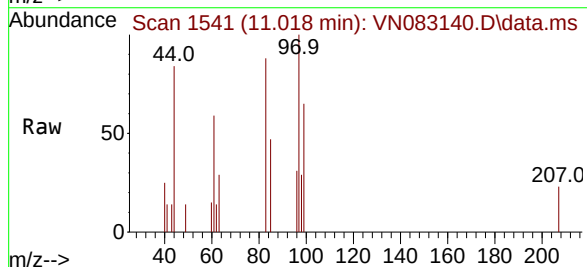
Manual Integrations
 APPROVED

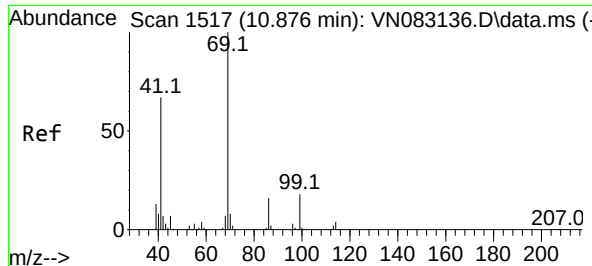
Reviewed By :John Carlone 08/08/2024
 Supervised By :Mahesh Dadoda 08/09/2024



#55
 1,1,2-Trichloroethane
 Concen: 0.887 ug/l
 RT: 11.018 min Scan# 1541
 Delta R.T. 0.000 min
 Lab File: VN083140.D
 Acq: 07 Aug 2024 12:34

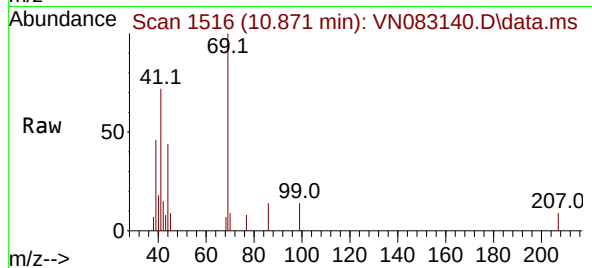
Tgt Ion: 97 Resp: 1963
 Ion Ratio Lower Upper
 97 100
 83 88.2 71.4 107.0
 85 47.2 45.8 68.6
 99 65.4 52.0 78.0





#56
Ethyl methacrylate
Concen: 0.921 ug/l
RT: 10.871 min Scan# 1517
Delta R.T. -0.006 min
Lab File: VN083140.D
Acq: 07 Aug 2024 12:34

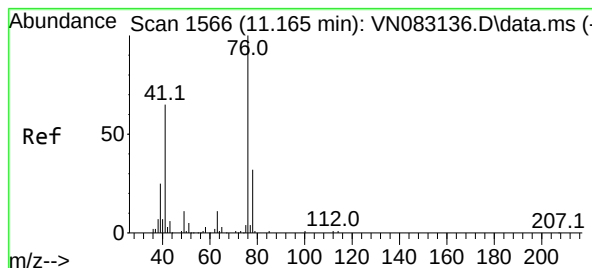
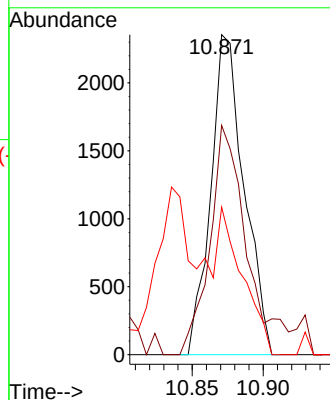
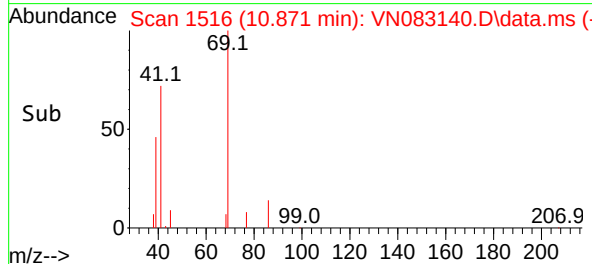
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001



Tgt Ion: 69 Resp: 384
Ion Ratio Lower Upper
69 100
41 83.6 63.4 95.2
39 33.7 37.4 56.0

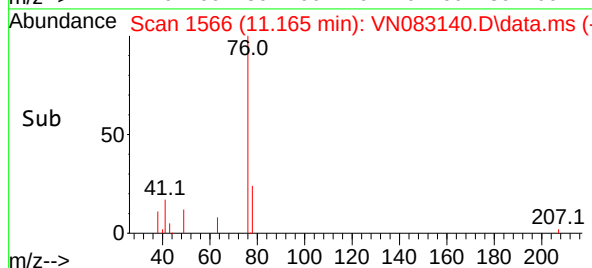
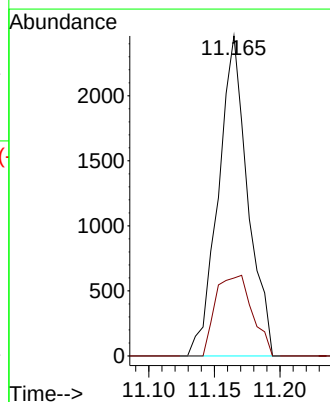
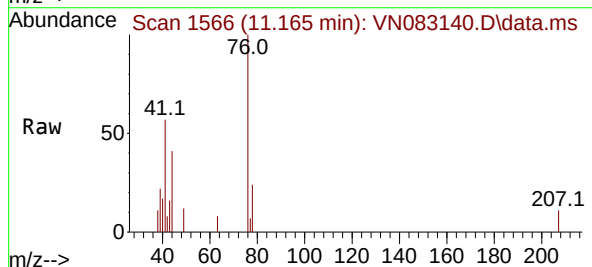
Manual Integrations
APPROVED

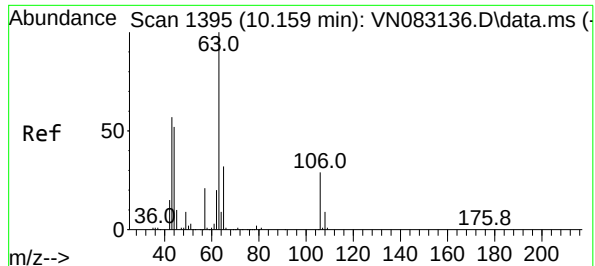
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#57
1,3-Dichloropropane
Concen: 0.973 ug/l
RT: 11.165 min Scan# 1566
Delta R.T. 0.000 min
Lab File: VN083140.D
Acq: 07 Aug 2024 12:34

Tgt Ion: 76 Resp: 3837
Ion Ratio Lower Upper
76 100
78 31.3 25.6 38.4





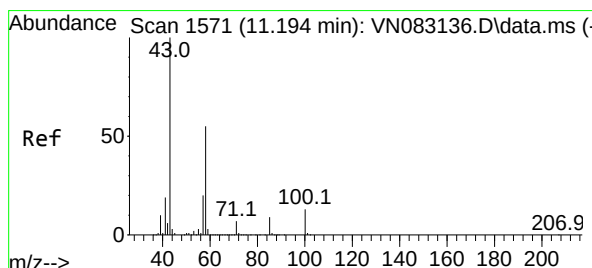
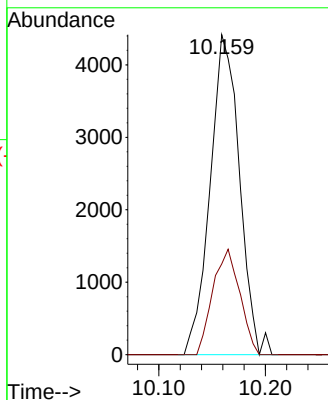
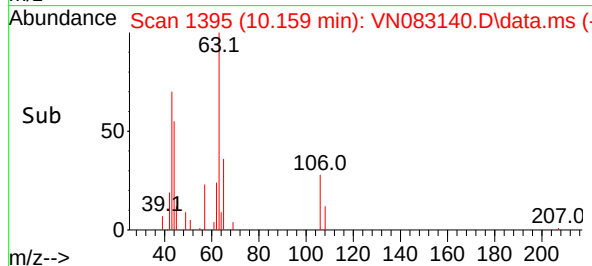
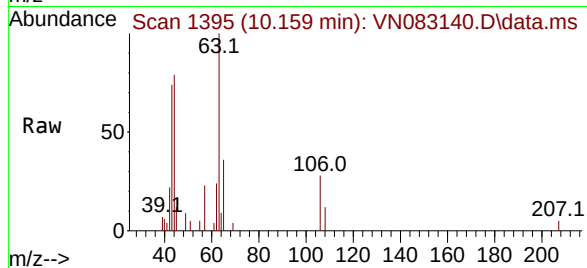
#58
2-Chloroethyl Vinyl ether
Concen: 4.794 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VN083140.D
Acq: 07 Aug 2024 12:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 63 Resp: 845
Ion Ratio Lower Upper
63 100
106 30.3 21.4 32.0

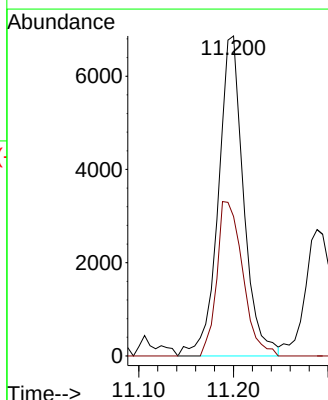
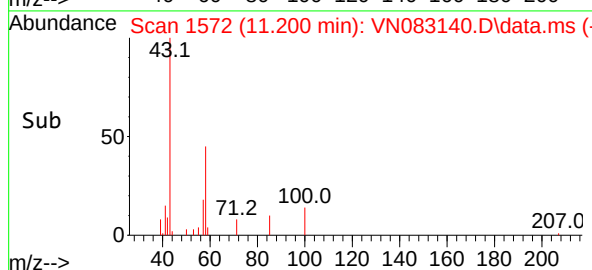
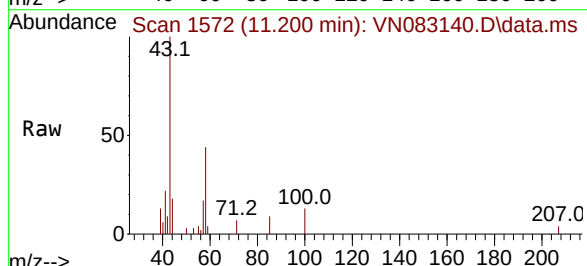
Manual Integrations
APPROVED

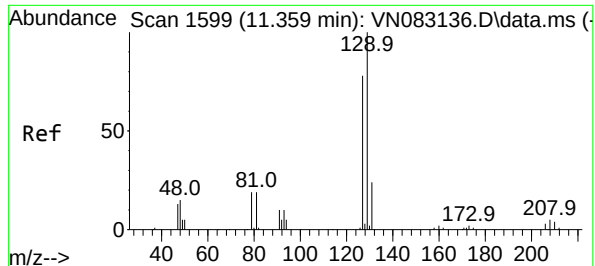
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#59
2-Hexanone
Concen: 4.749 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.006 min
Lab File: VN083140.D
Acq: 07 Aug 2024 12:34

Tgt Ion: 43 Resp: 12761
Ion Ratio Lower Upper
43 100
58 49.3 24.6 73.8





#60

Dibromochloromethane

Concen: 0.853 ug/l

RT: 11.353 min Scan# 1598

Delta R.T. -0.006 min

Lab File: VN083140.D

Acq: 07 Aug 2024 12:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion:129 Resp: 2283

Ion Ratio Lower Upper

129 100

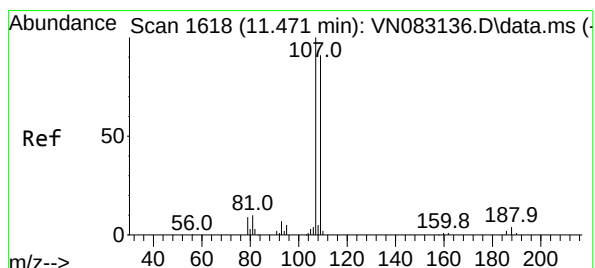
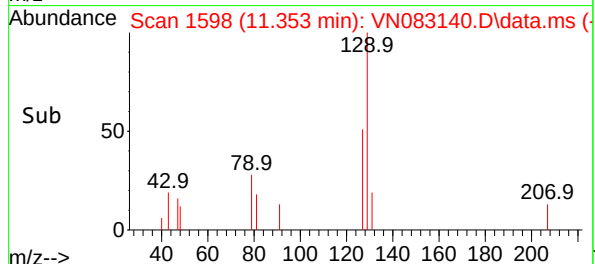
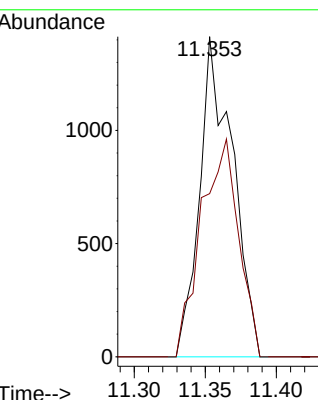
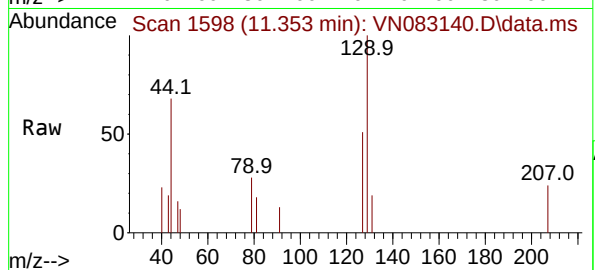
127 77.5 39.2 117.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#61

1,2-Dibromoethane

Concen: 0.947 ug/l

RT: 11.465 min Scan# 1617

Delta R.T. -0.006 min

Lab File: VN083140.D

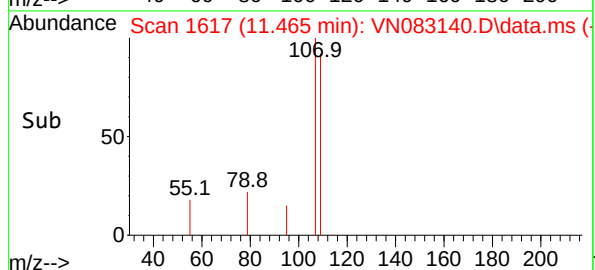
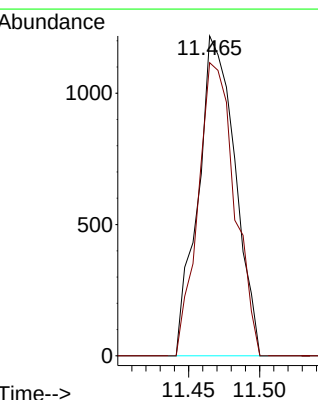
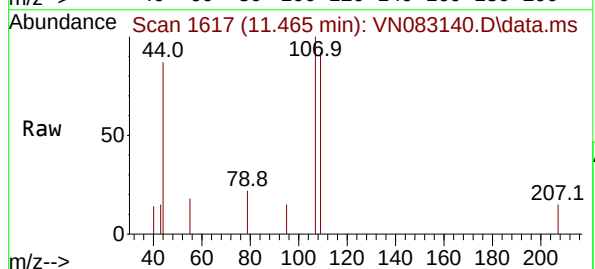
Acq: 07 Aug 2024 12:34

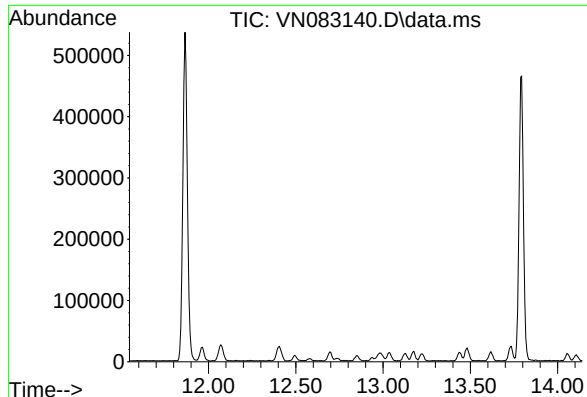
Tgt Ion:107 Resp: 2200

Ion Ratio Lower Upper

107 100

109 90.4 73.7 110.5





#62
4-Bromofluorobenzene
Concen: 0.000 ug/l
Expected RT: 12.85 min

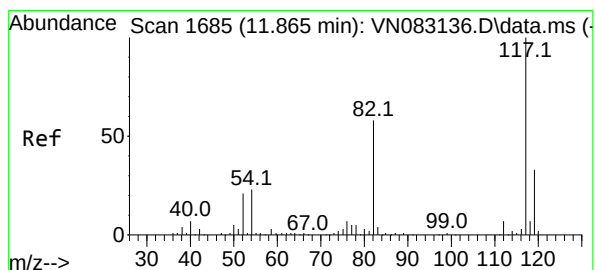
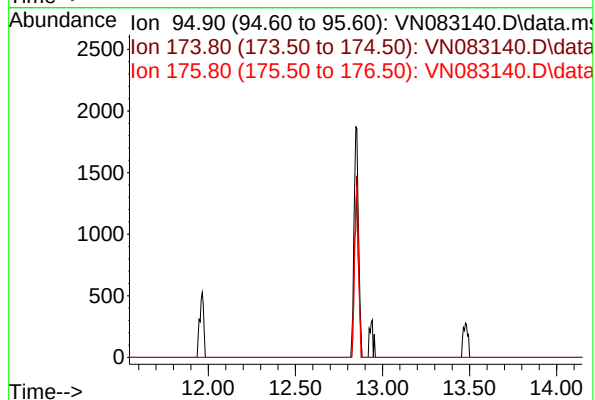
Lab File: VN083140.D
Acq: 07 Aug 2024 12:34

Tgt Ion: 95
Sig Exp Ratio
95 100
174 79.6
176 73.8

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

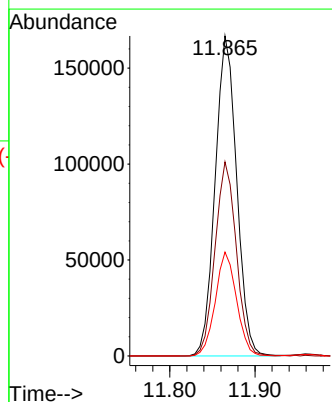
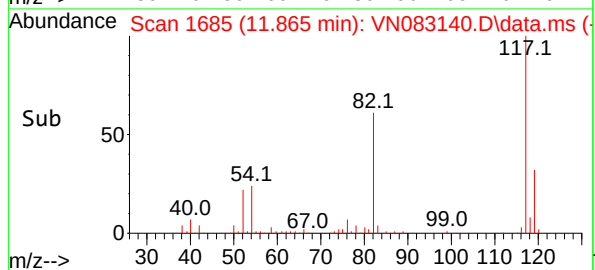
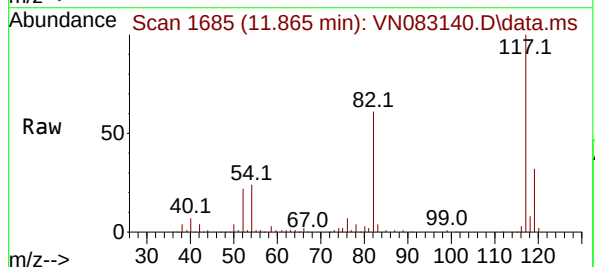
Manual Integrations
APPROVED

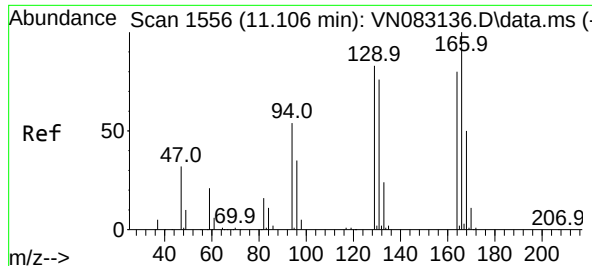
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN083140.D
Acq: 07 Aug 2024 12:34

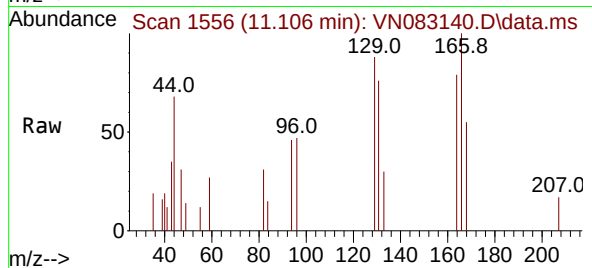
Tgt Ion:117 Resp: 292647
Ion Ratio Lower Upper
117 100
82 60.6 47.5 71.3
119 32.4 25.6 38.4





#64
Tetrachloroethene
Concen: 0.966 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. 0.000 min
Lab File: VN083140.D
Acq: 07 Aug 2024 12:34

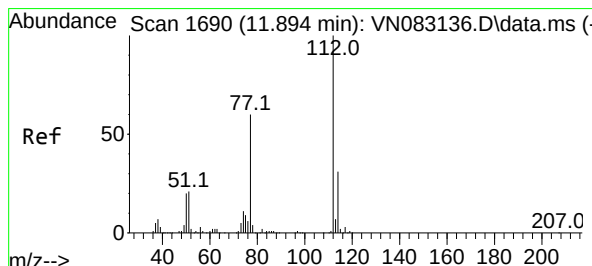
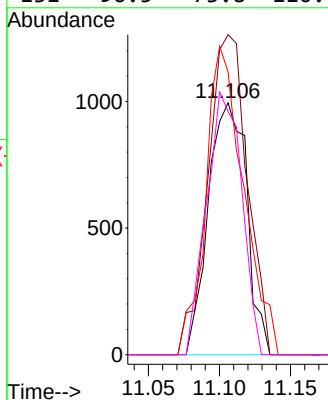
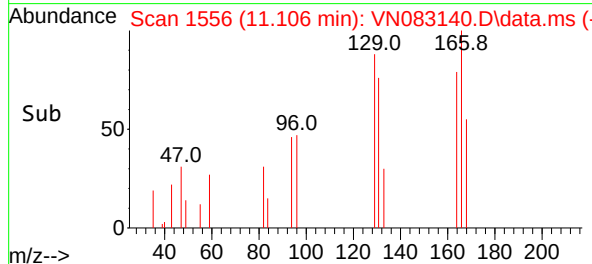
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001



Tgt Ion:164 Resp: 1872
Ion Ratio Lower Upper
164 100
166 127.0 101.4 152.0
129 112.2 75.7 113.5
131 96.5 73.8 110.6

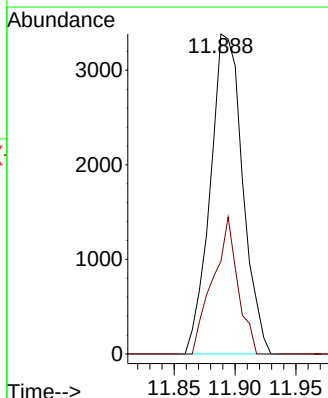
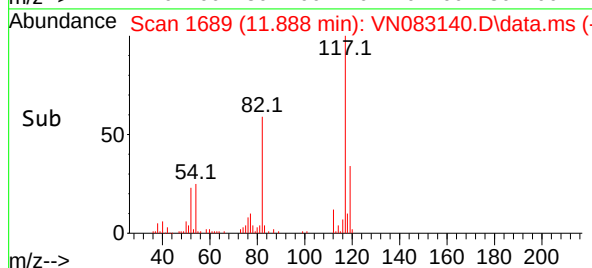
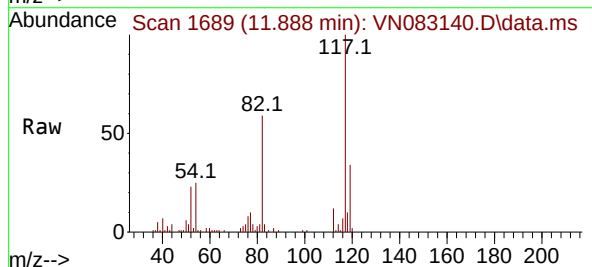
Manual Integrations
APPROVED

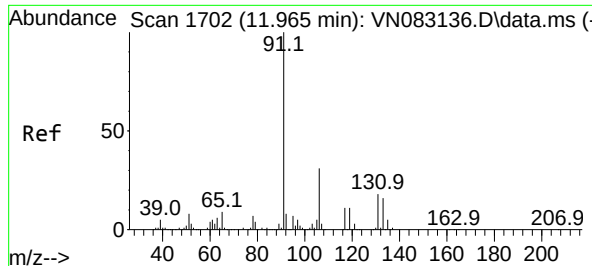
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#65
Chlorobenzene
Concen: 0.968 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. -0.006 min
Lab File: VN083140.D
Acq: 07 Aug 2024 12:34

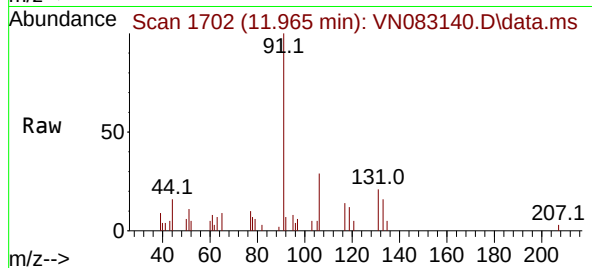
Tgt Ion:112 Resp: 6259
Ion Ratio Lower Upper
112 100
114 29.0 26.2 39.2





#66
1,1,1,2-Tetrachloroethane
Concen: 0.951 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.000 min
Lab File: VN083140.D
Acq: 07 Aug 2024 12:34

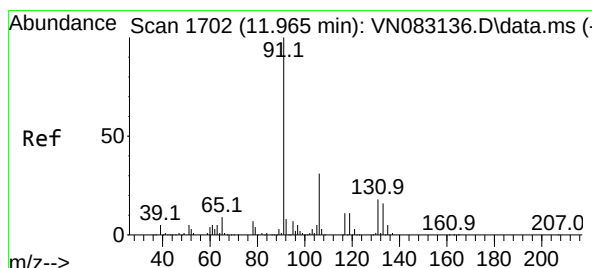
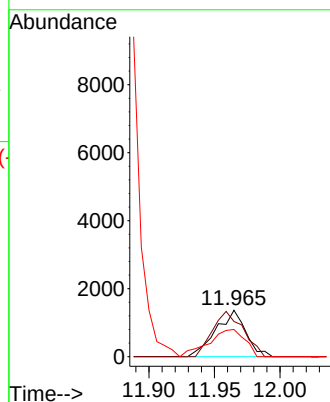
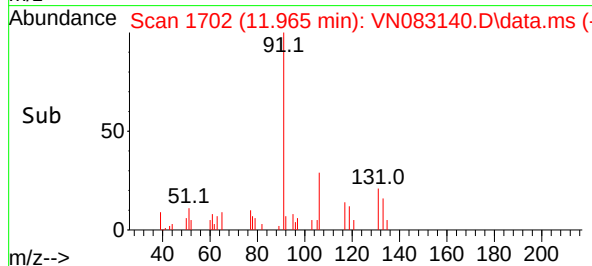
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001



Tgt Ion: 131 Resp: 2168
Ion Ratio Lower Upper
131 100
133 100.6 47.3 142.0
119 0.0 32.5 97.4

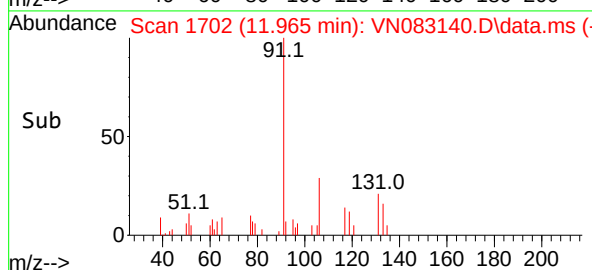
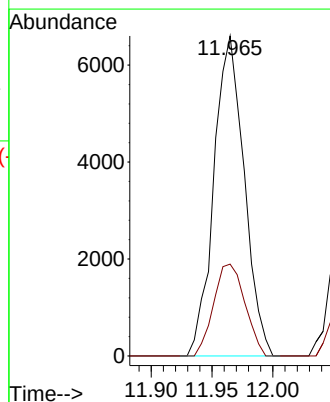
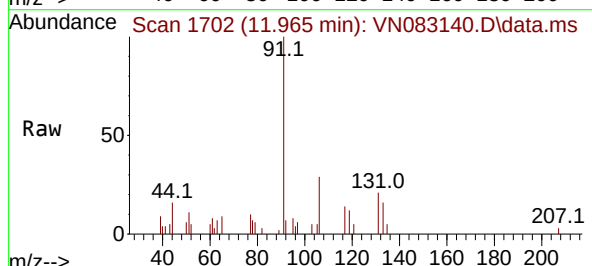
Manual Integrations
APPROVED

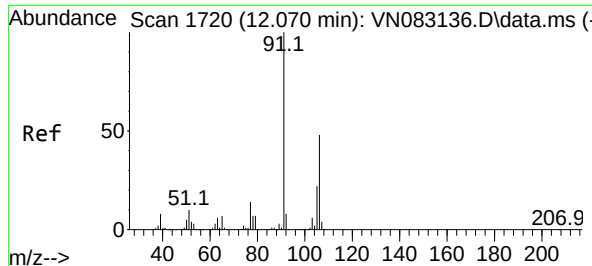
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#67
Ethyl Benzene
Concen: 0.966 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.000 min
Lab File: VN083140.D
Acq: 07 Aug 2024 12:34

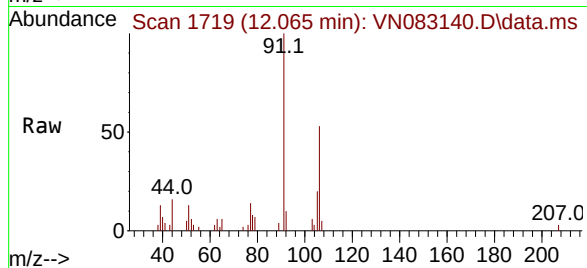
Tgt Ion: 91 Resp: 11455
Ion Ratio Lower Upper
91 100
106 28.7 24.0 36.0





#68
m/p-Xylenes
Concen: 1.860 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.006 min
Lab File: VN083140.D
Acq: 07 Aug 2024 12:34

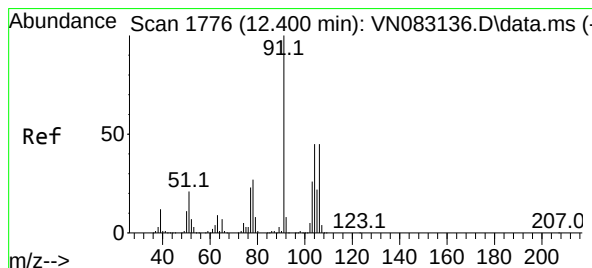
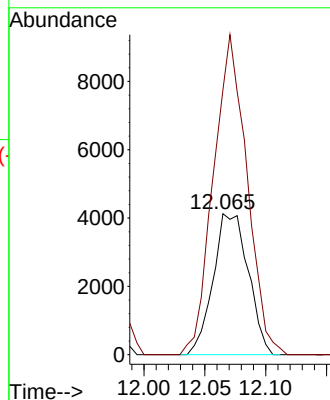
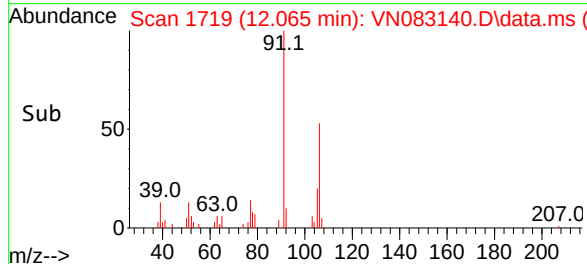
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001



Tgt Ion:106 Resp: 826
Ion Ratio Lower Upper
106 100
91 217.0 166.1 249.1

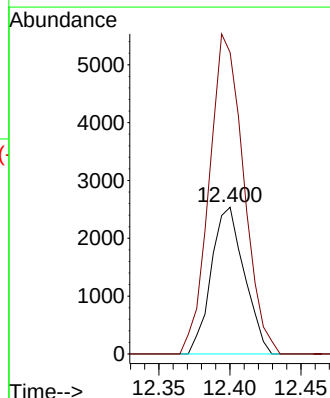
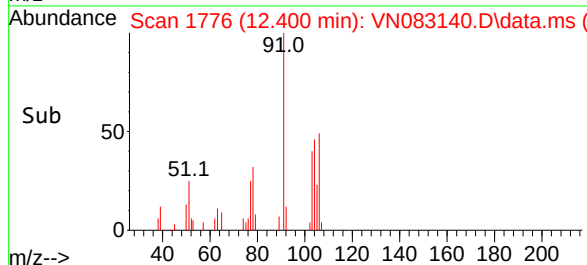
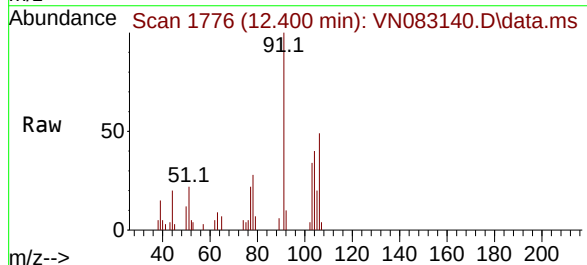
Manual Integrations
APPROVED

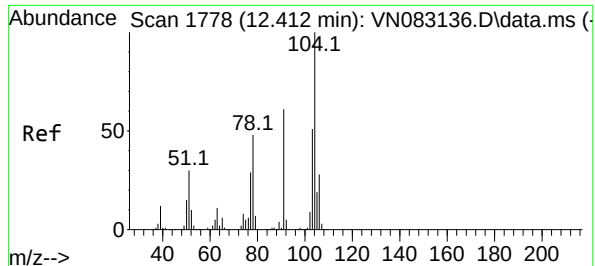
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#69
o-Xylene
Concen: 0.938 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. 0.000 min
Lab File: VN083140.D
Acq: 07 Aug 2024 12:34

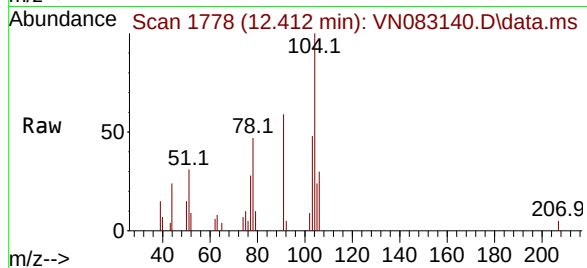
Tgt Ion:106 Resp: 4113
Ion Ratio Lower Upper
106 100
91 226.2 111.3 333.9





#70
Styrene
Concen: 0.875 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VN083140.D
Acq: 07 Aug 2024 12:34

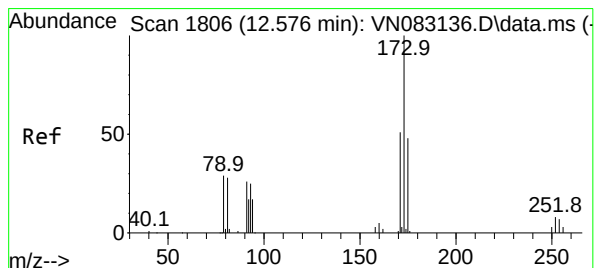
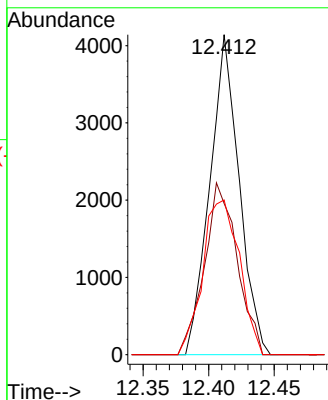
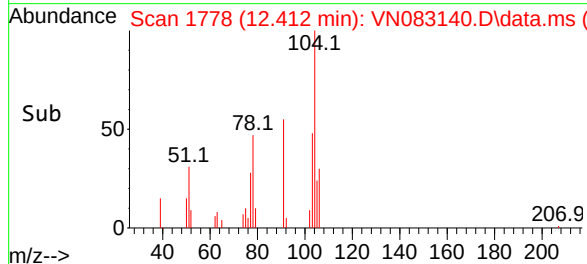
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001



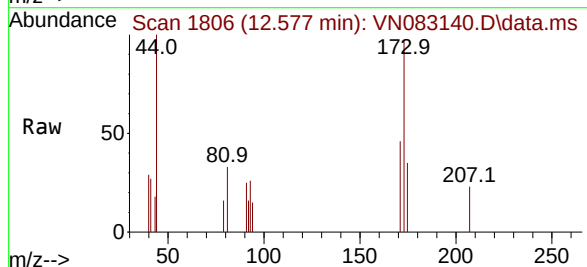
Tgt Ion:104 Resp: 644
Ion Ratio Lower Upper
104 100
78 60.2 41.6 62.4
103 60.7 44.0 66.0

Manual Integrations
APPROVED

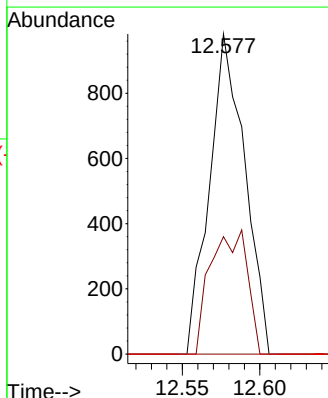
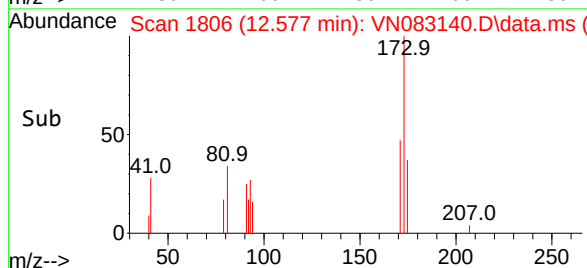
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024

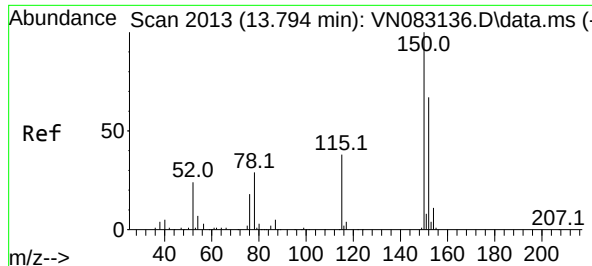


#71
Bromoform
Concen: 0.903 ug/l
RT: 12.577 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VN083140.D
Acq: 07 Aug 2024 12:34



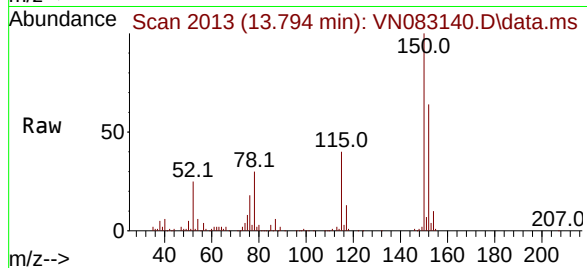
Tgt Ion:173 Resp: 1561
Ion Ratio Lower Upper
173 100
175 40.2 24.0 72.0
254 0.0 0.0 0.0





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN083140.D
Acq: 07 Aug 2024 12:34

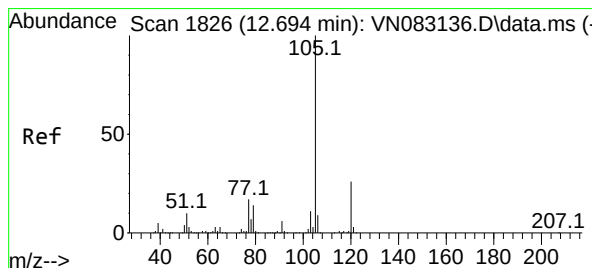
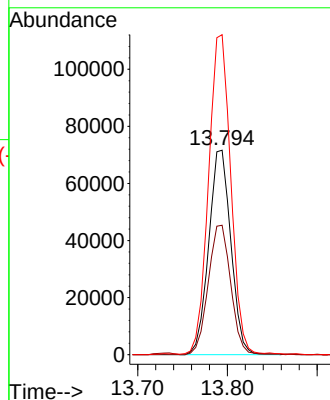
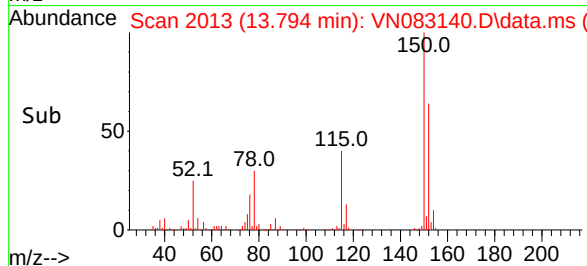
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001



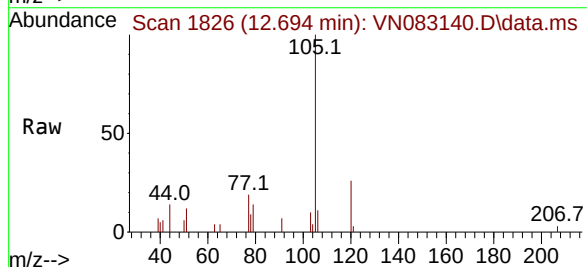
Tgt Ion:152 Resp: 12292
Ion Ratio Lower Upper
152 100
115 64.2 30.6 91.6
150 157.5 0.0 348.6

Manual Integrations
APPROVED

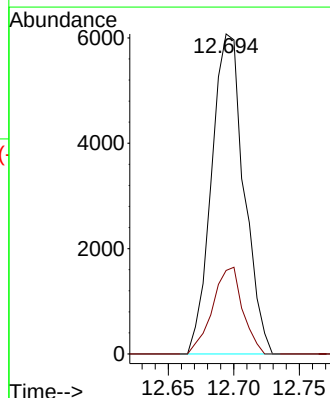
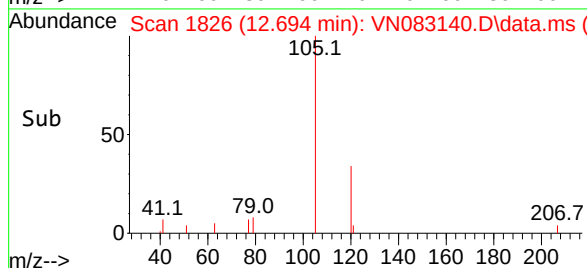
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024

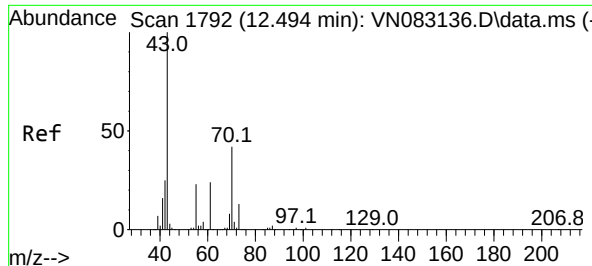


#73
Isopropylbenzene
Concen: 1.017 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN083140.D
Acq: 07 Aug 2024 12:34



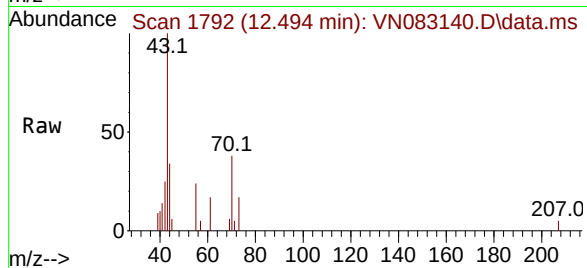
Tgt Ion:105 Resp: 10459
Ion Ratio Lower Upper
105 100
120 25.1 12.9 38.6





#74
N-amy1 acetate
Concen: 1.144 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VN083140.D
Acq: 07 Aug 2024 12:34

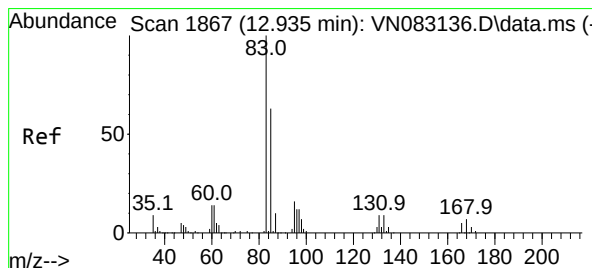
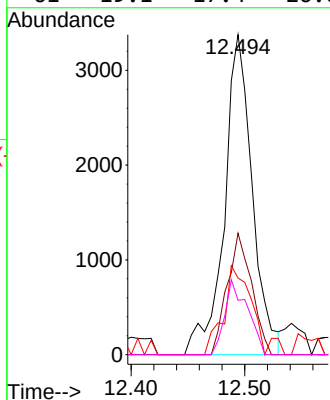
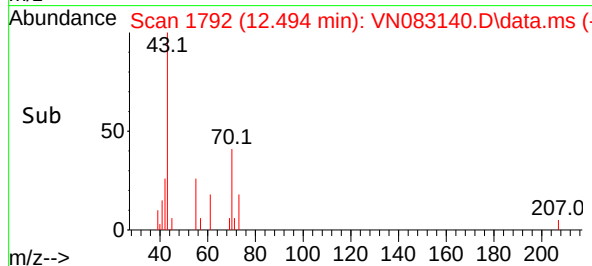
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001



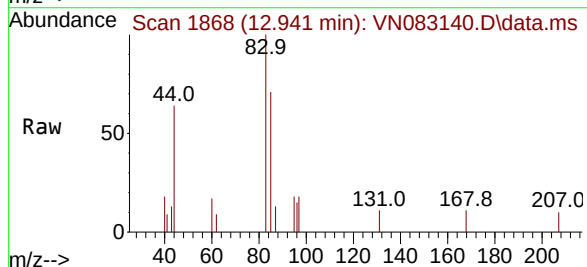
Tgt Ion: 43 Resp: 575
Ion Ratio Lower Upper
43 100
70 33.3 29.8 44.6
55 28.9 18.7 28.1
61 19.1 17.4 26.0

Manual Integrations
APPROVED

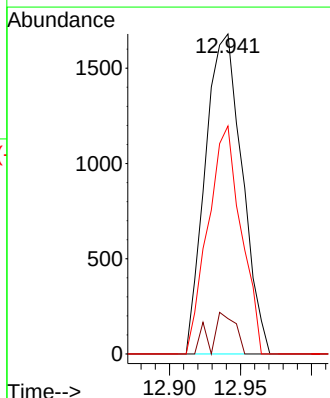
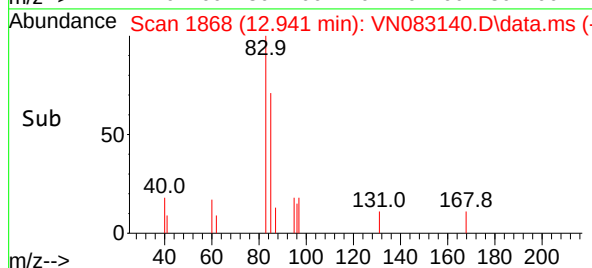
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024

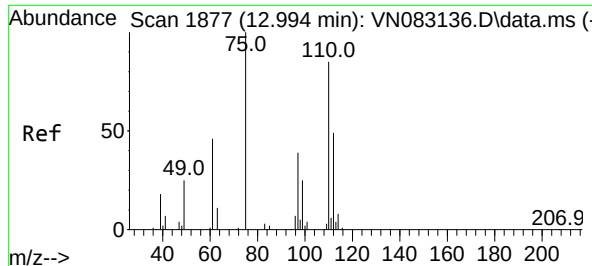


#75
1,1,2,2-Tetrachloroethane
Concen: 1.043 ug/l
RT: 12.941 min Scan# 1868
Delta R.T. 0.006 min
Lab File: VN083140.D
Acq: 07 Aug 2024 12:34



Tgt Ion: 83 Resp: 3034
Ion Ratio Lower Upper
83 100
131 8.5 5.0 14.9
85 64.0 31.9 95.7





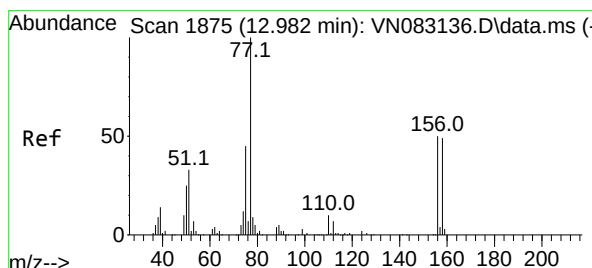
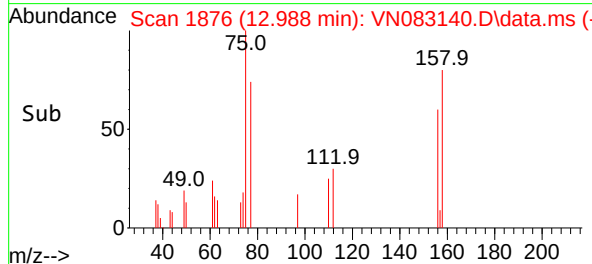
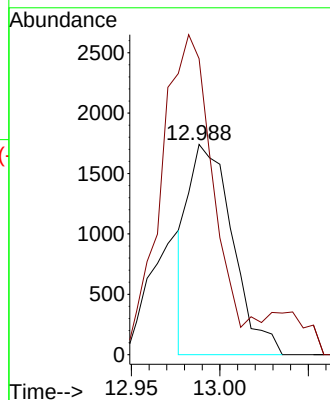
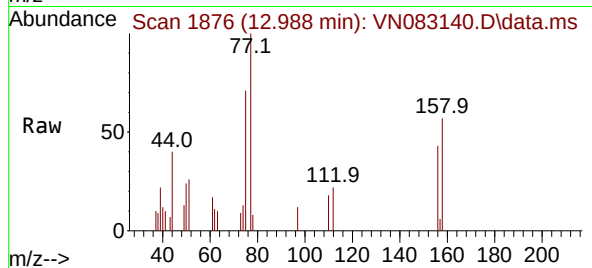
#76
1,2,3-Trichloropropane
Concen: 1.122 ug/l m
RT: 12.988 min Scan# 1876
Delta R.T. -0.006 min
Lab File: VN083140.D
Acq: 07 Aug 2024 12:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 75 Resp: 303
Ion Ratio Lower Upper
75 100
77 184.1 110.9 332.6

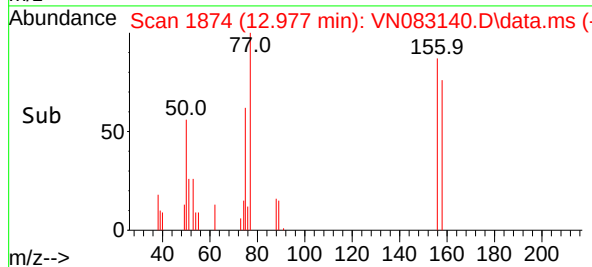
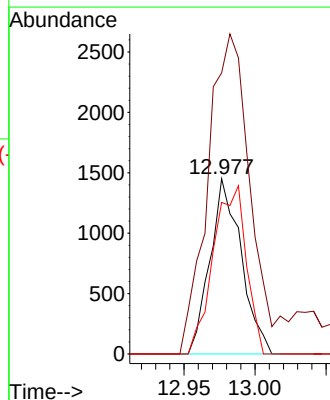
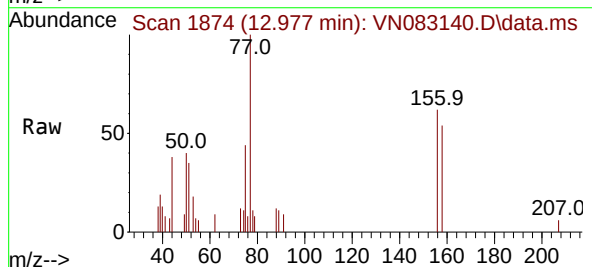
Manual Integrations
APPROVED

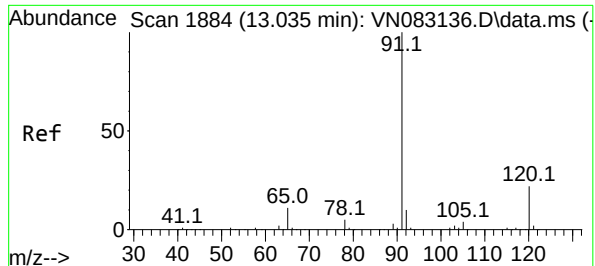
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#77
Bromobenzene
Concen: 0.969 ug/l
RT: 12.977 min Scan# 1874
Delta R.T. -0.006 min
Lab File: VN083140.D
Acq: 07 Aug 2024 12:34

Tgt Ion:156 Resp: 2212
Ion Ratio Lower Upper
156 100
77 252.2 111.3 333.8
158 101.5 48.3 144.9





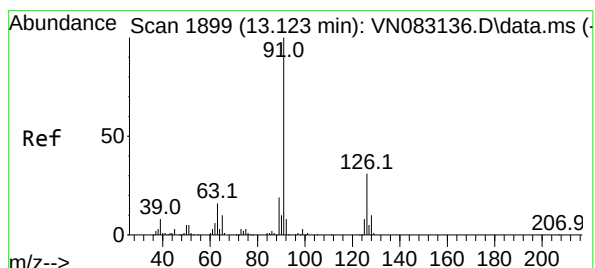
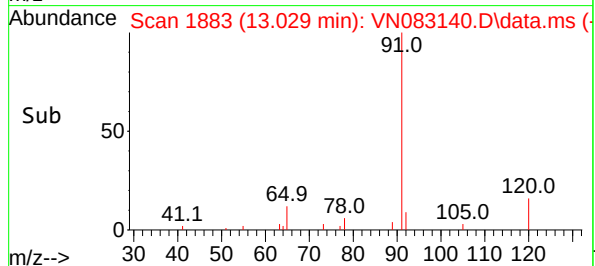
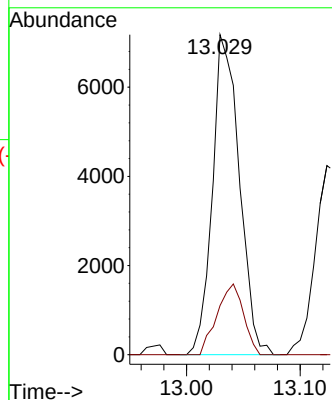
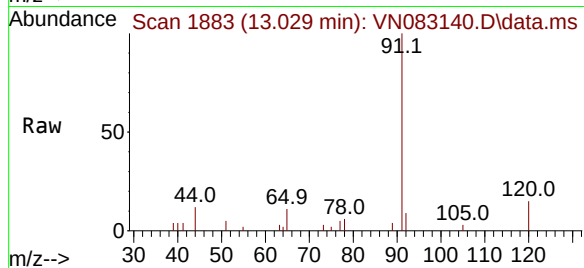
#78
n-propylbenzene
Concen: 0.997 ug/l
RT: 13.029 min Scan# 1883
Delta R.T. -0.006 min
Lab File: VN083140.D
Acq: 07 Aug 2024 12:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 11800
Ion Ratio Lower Upper
91 100
120 21.7 10.9 32.9

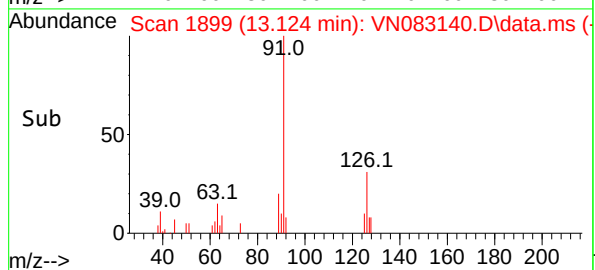
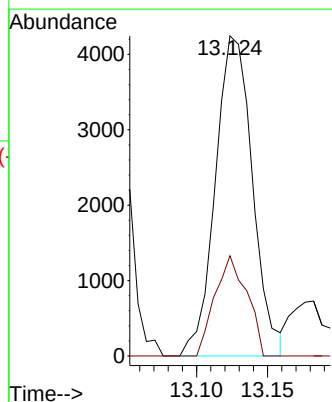
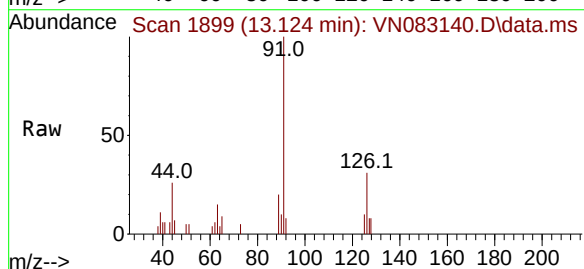
Manual Integrations
APPROVED

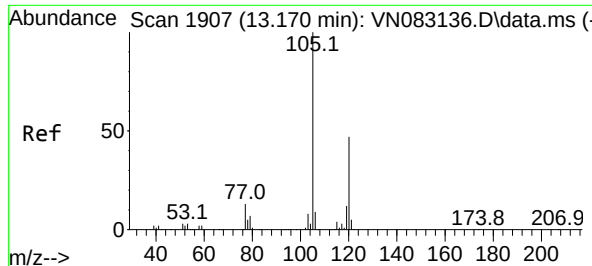
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#79
2-Chlorotoluene
Concen: 1.031 ug/l
RT: 13.124 min Scan# 1899
Delta R.T. 0.000 min
Lab File: VN083140.D
Acq: 07 Aug 2024 12:34

Tgt Ion: 91 Resp: 7735
Ion Ratio Lower Upper
91 100
126 26.9 16.2 48.6





#80

1,3,5-Trimethylbenzene

Concen: 0.994 ug/l

RT: 13.176 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VN083140.D

Acq: 07 Aug 2024 12:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion:105 Resp: 855

Ion Ratio Lower Upper

105 100

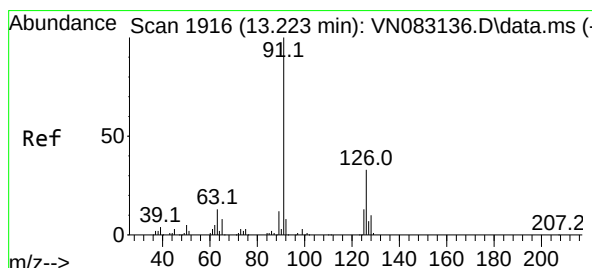
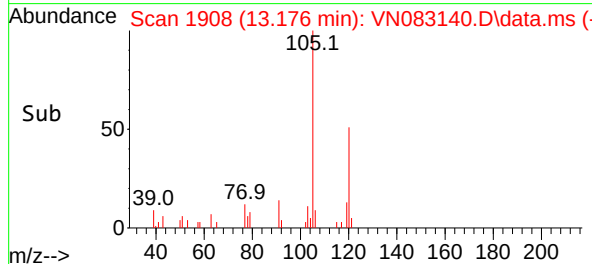
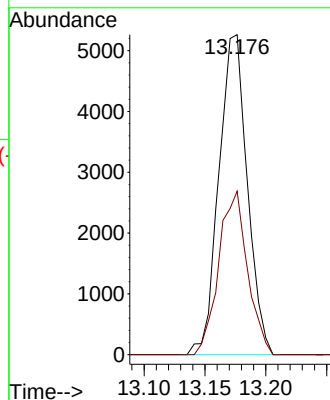
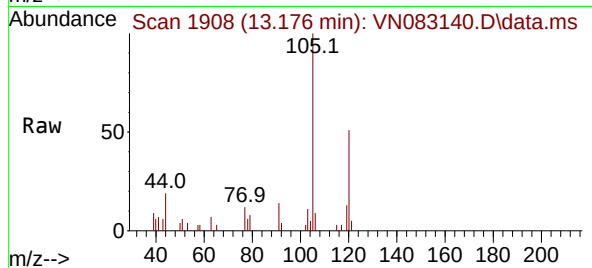
120 51.7 24.3 72.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#82

4-Chlorotoluene

Concen: 1.065 ug/l

RT: 13.224 min Scan# 1916

Delta R.T. 0.000 min

Lab File: VN083140.D

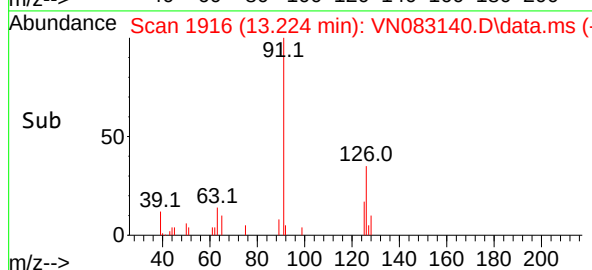
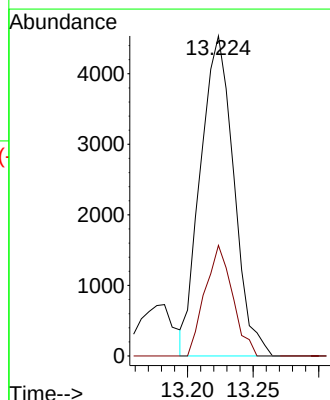
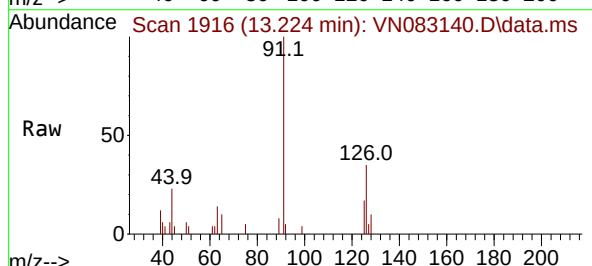
Acq: 07 Aug 2024 12:34

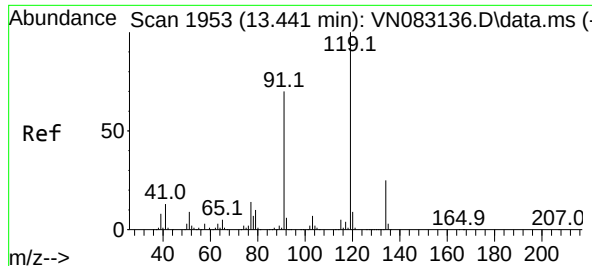
Tgt Ion: 91 Resp: 8018

Ion Ratio Lower Upper

91 100

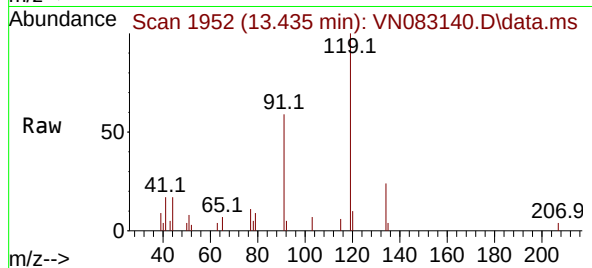
126 28.6 16.2 48.6





#83
tert-Butylbenzene
Concen: 1.001 ug/l
RT: 13.435 min Scan# 1953
Delta R.T. -0.006 min
Lab File: VN083140.D
Acq: 07 Aug 2024 12:34

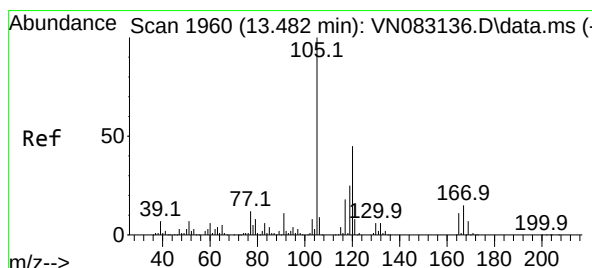
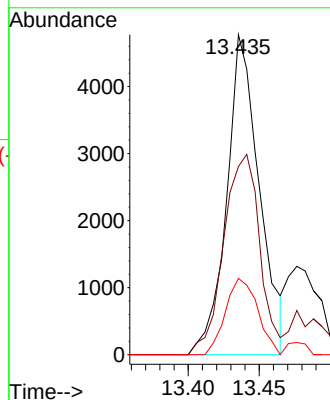
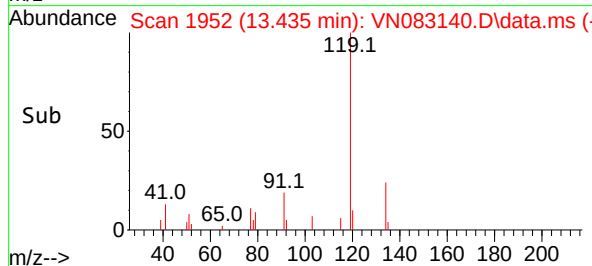
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001



Tgt Ion:119 Resp: 7628
Ion Ratio Lower Upper
119 100
91 69.2 35.0 105.1
134 23.5 13.3 39.8

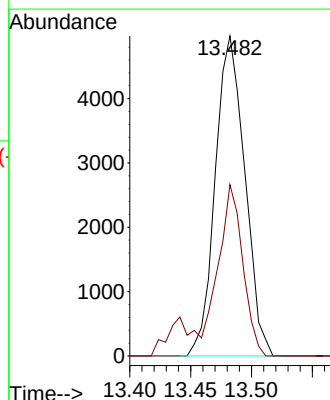
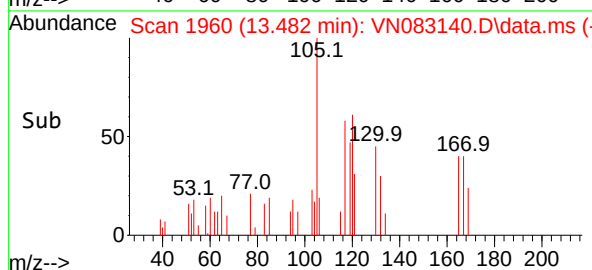
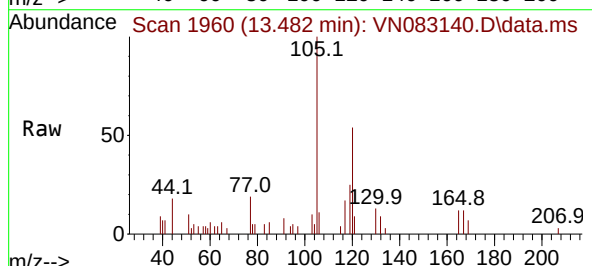
Manual Integrations
APPROVED

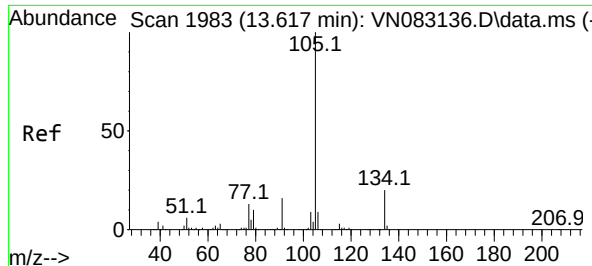
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#84
1,2,4-Trimethylbenzene
Concen: 0.968 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN083140.D
Acq: 07 Aug 2024 12:34

Tgt Ion:105 Resp: 8397
Ion Ratio Lower Upper
105 100
120 44.1 21.9 65.8





#85

sec-Butylbenzene

Concen: 1.001 ug/l

RT: 13.618 min Scan# 1983

Delta R.T. 0.000 min

Lab File: VN083140.D

Acq: 07 Aug 2024 12:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC001

Tgt Ion:105 Resp: 1041

Ion Ratio Lower Upper

105 100

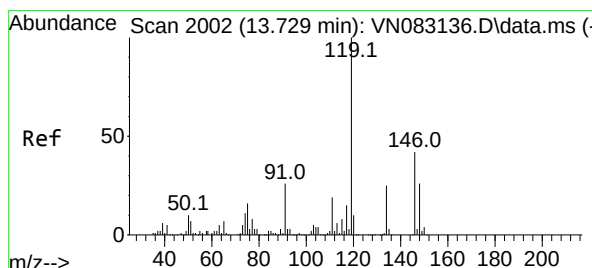
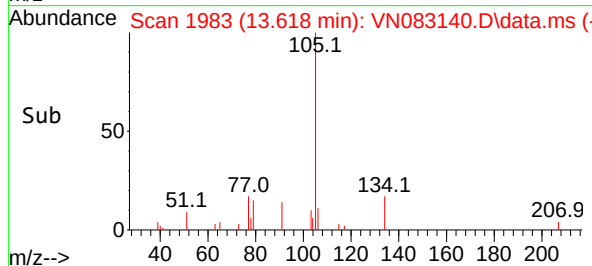
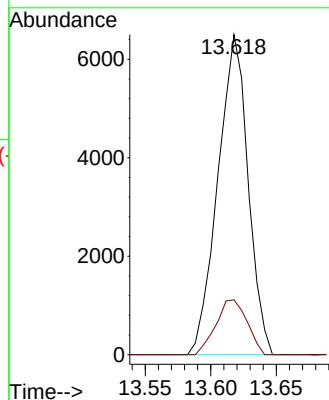
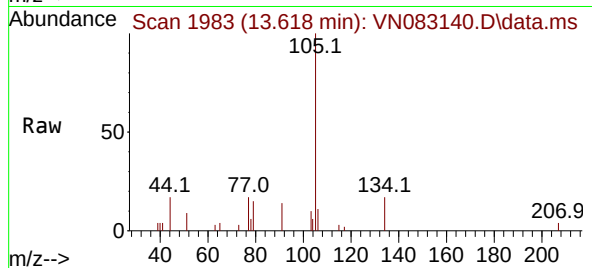
134 17.7 9.8 29.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#86

p-Isopropyltoluene

Concen: 0.960 ug/l

RT: 13.735 min Scan# 2003

Delta R.T. 0.006 min

Lab File: VN083140.D

Acq: 07 Aug 2024 12:34

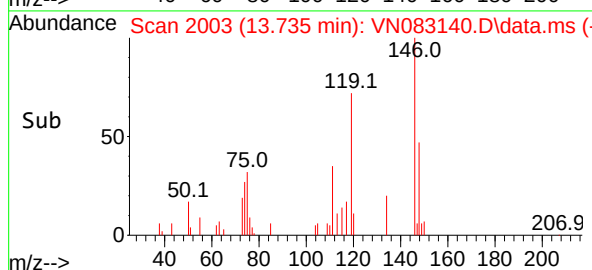
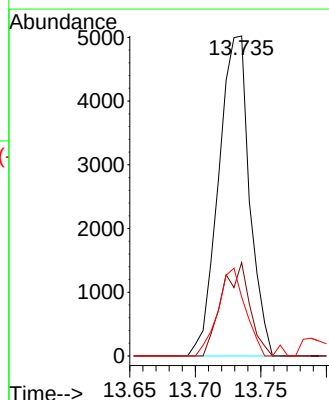
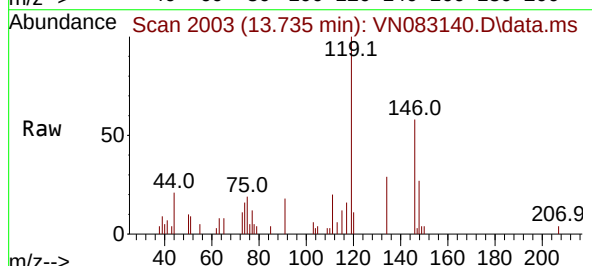
Tgt Ion:119 Resp: 8247

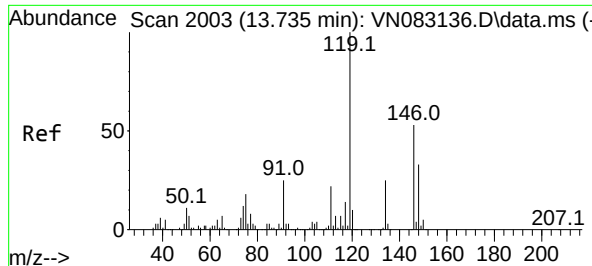
Ion Ratio Lower Upper

119 100

134 26.4 13.0 39.0

91 24.2 12.3 36.9





#87

1,3-Dichlorobenzene

Concen: 1.070 ug/l

RT: 13.735 min Scan# 2003

Delta R.T. 0.000 min

Lab File: VN083140.D

Acq: 07 Aug 2024 12:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

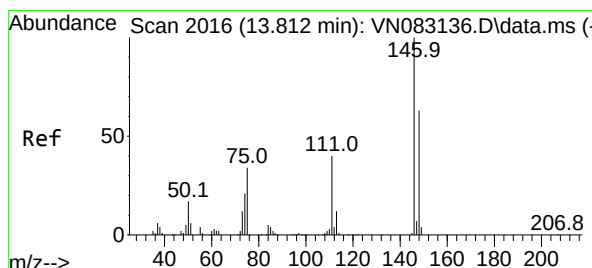
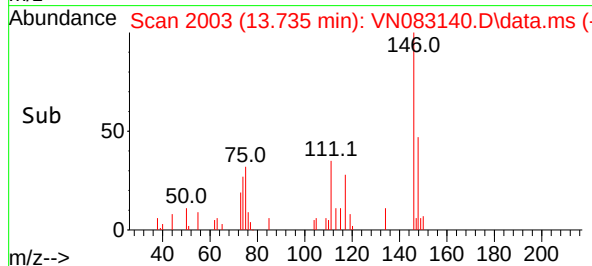
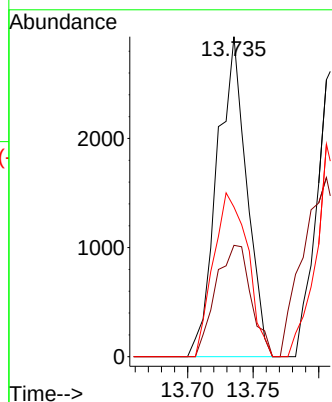
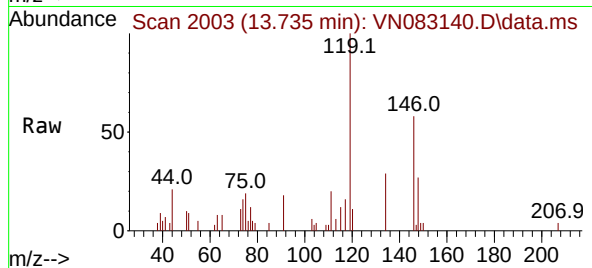
Tgt Ion:	146	Resp:	4598
Ion Ratio	Lower	Upper	
146	100		
111	41.5	20.6	61.9
148	59.5	31.8	95.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#88

1,4-Dichlorobenzene

Concen: 1.057 ug/l m

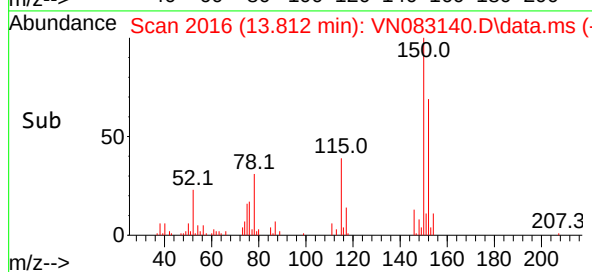
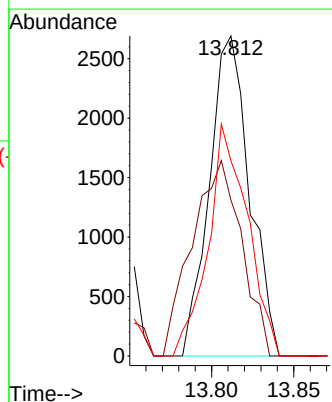
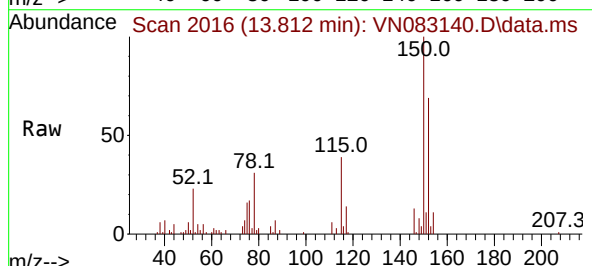
RT: 13.812 min Scan# 2016

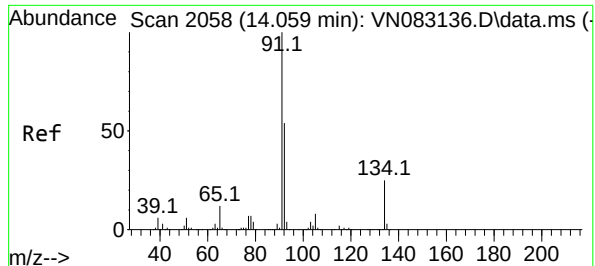
Delta R.T. 0.000 min

Lab File: VN083140.D

Acq: 07 Aug 2024 12:34

Tgt Ion:	146	Resp:	4578
Ion Ratio	Lower	Upper	
146	100		
111	41.7	20.1	60.3
148	59.7	32.2	96.6





#89

n-Butylbenzene

Concen: 0.942 ug/l

RT: 14.053 min Scan# 2058

Delta R.T. -0.006 min

Lab File: VN083140.D

Acq: 07 Aug 2024 12:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC001

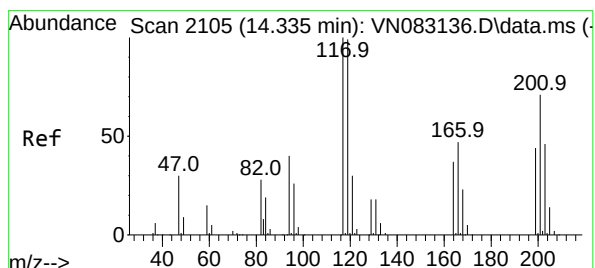
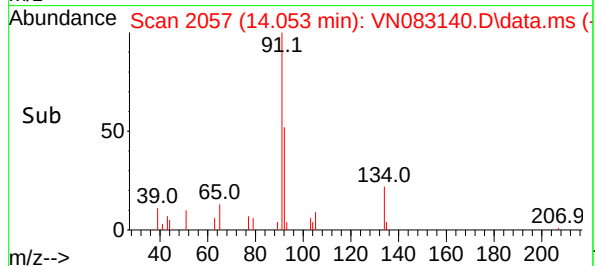
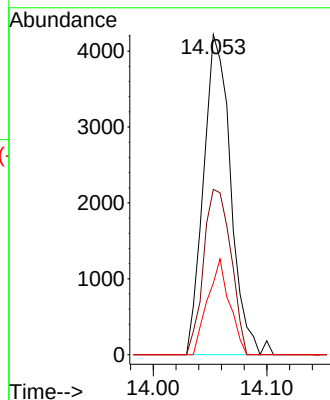
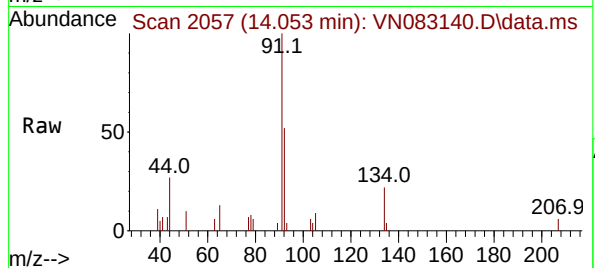
Tgt Ion:	91	Resp:	7008
Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.1	78.3
134	24.1	12.1	36.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#90

Hexachloroethane

Concen: 0.918 ug/l

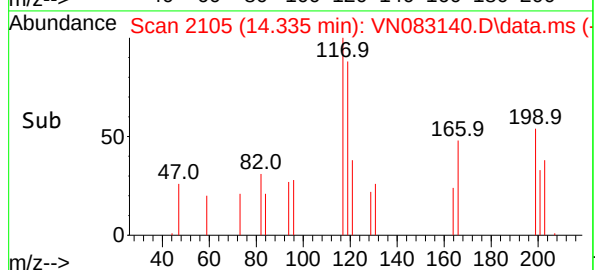
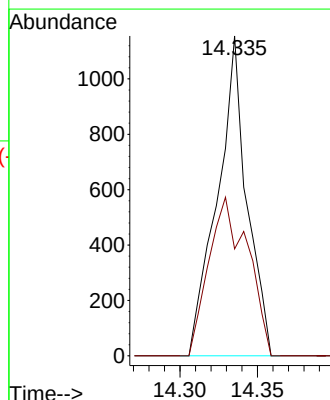
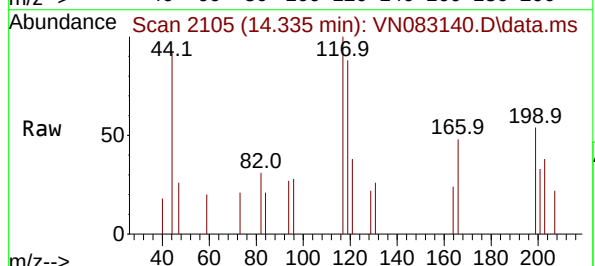
RT: 14.335 min Scan# 2105

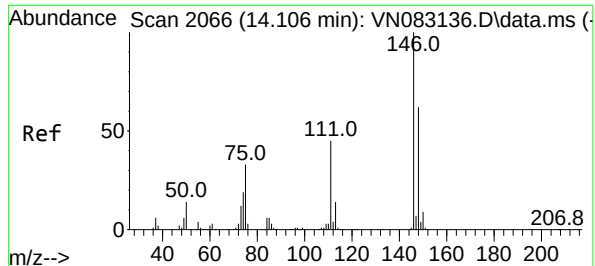
Delta R.T. 0.000 min

Lab File: VN083140.D

Acq: 07 Aug 2024 12:34

Tgt Ion:	117	Resp:	1524
Ion	Ratio	Lower	Upper
117	100		
201	65.7	35.8	107.3





#91

1,2-Dichlorobenzene

Concen: 1.029 ug/l

RT: 14.106 min Scan# 2066

Delta R.T. 0.000 min

Lab File: VN083140.D

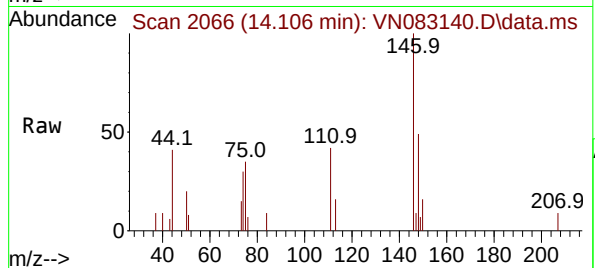
Acq: 07 Aug 2024 12:34

Instrument :

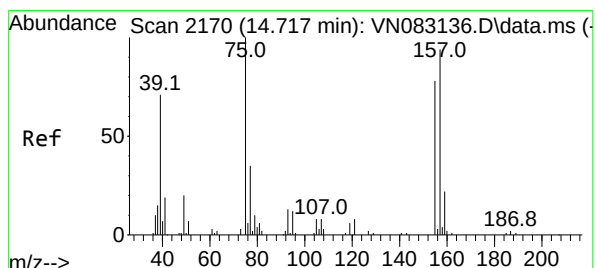
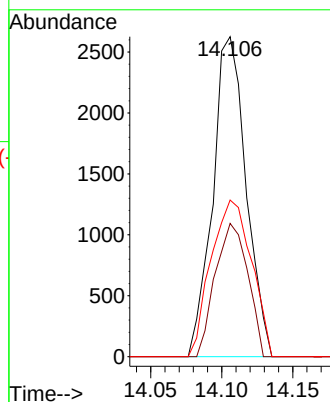
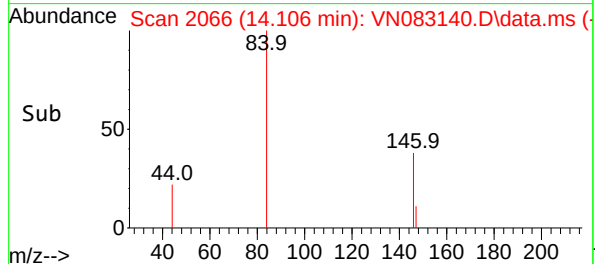
MSVOA_N

ClientSampleId :

VSTDICC001



Tgt Ion:	146	Resp:	4279
Ion	Ratio	Lower	Upper
146	100		
111	40.7	21.4	64.2
148	59.6	32.1	96.5

Manual Integrations
APPROVEDReviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024

#92

1,2-Dibromo-3-Chloropropane

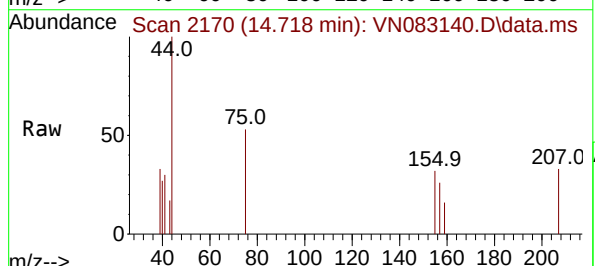
Concen: 1.081 ug/l

RT: 14.718 min Scan# 2170

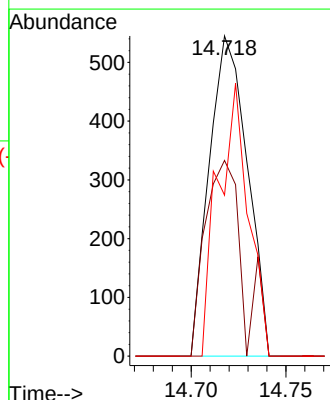
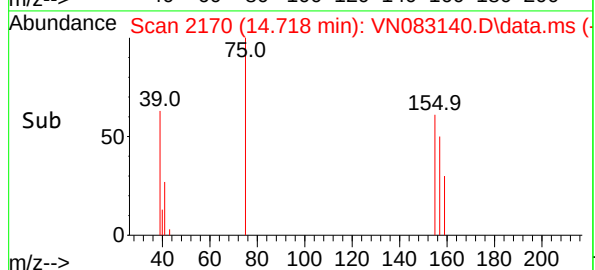
Delta R.T. 0.000 min

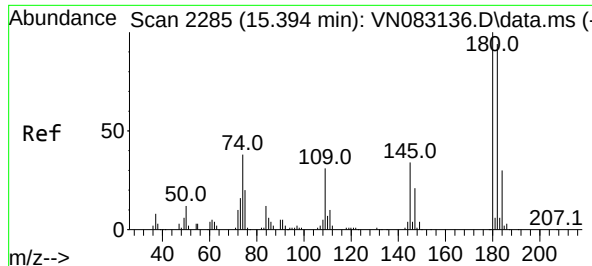
Lab File: VN083140.D

Acq: 07 Aug 2024 12:34



Tgt Ion:	75	Resp:	763
Ion	Ratio	Lower	Upper
75	100		
155	59.5	36.6	109.8
157	67.9	46.9	140.6





#93

1,2,4-Trichlorobenzene

Concen: 1.070 ug/l

RT: 15.394 min Scan# 21

Delta R.T. 0.000 min

Lab File: VN083140.D

Acq: 07 Aug 2024 12:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC001

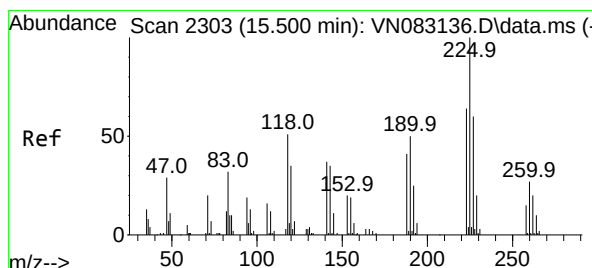
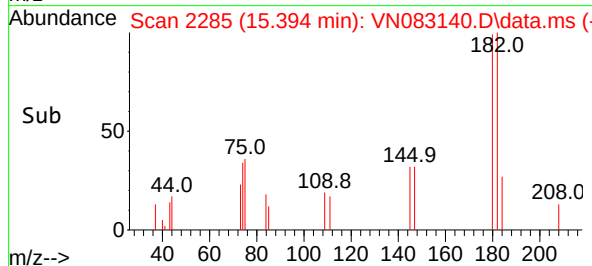
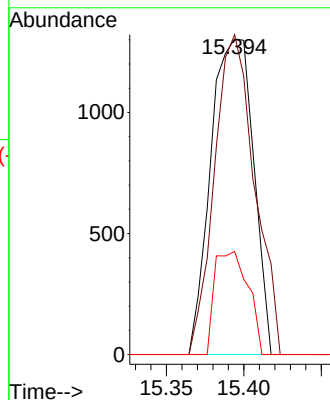
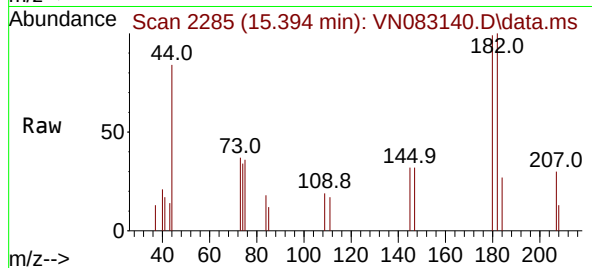
Tgt Ion:	180	Resp:	249
Ion Ratio	Lower	Upper	
180	100		
182	95.5	47.3	141.8
145	25.6	15.7	47.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#94

Hexachlorobutadiene

Concen: 1.140 ug/l

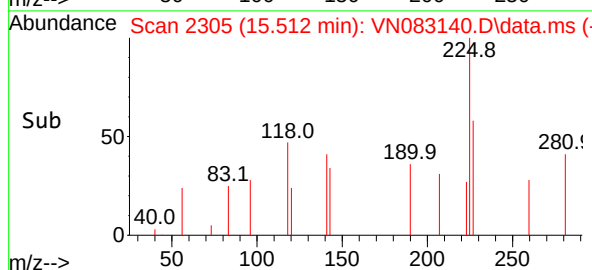
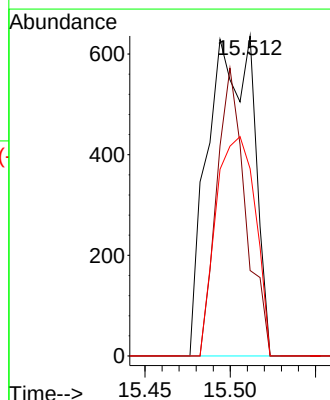
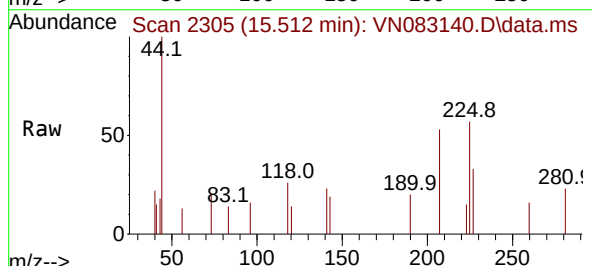
RT: 15.512 min Scan# 2305

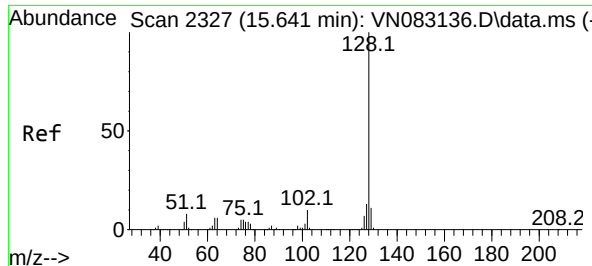
Delta R.T. 0.012 min

Lab File: VN083140.D

Acq: 07 Aug 2024 12:34

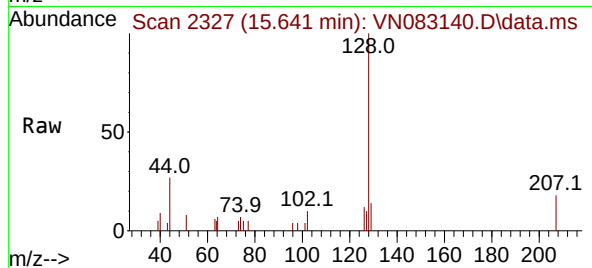
Tgt Ion:	225	Resp:	1181
Ion Ratio	Lower	Upper	
225	100		
223	57.0	31.9	95.7
227	59.4	32.5	97.5





#95
Naphthalene
Concen: 1.021 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.000 min
Lab File: VN083140.D
Acq: 07 Aug 2024 12:34

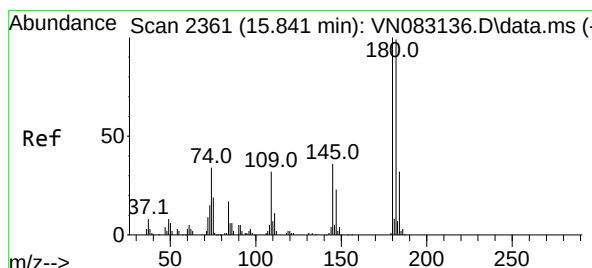
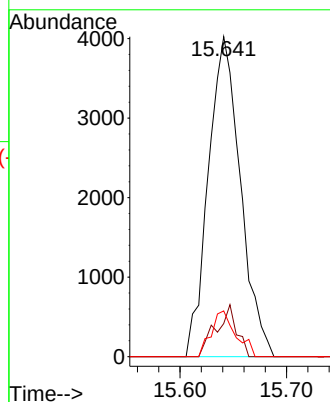
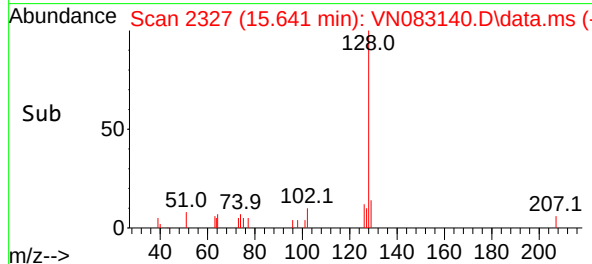
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001



Tgt Ion:128 Resp: 8430
Ion Ratio Lower Upper
128 100
127 10.4 10.6 16.0
129 10.9 8.6 12.8

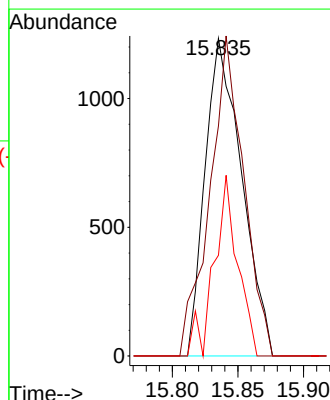
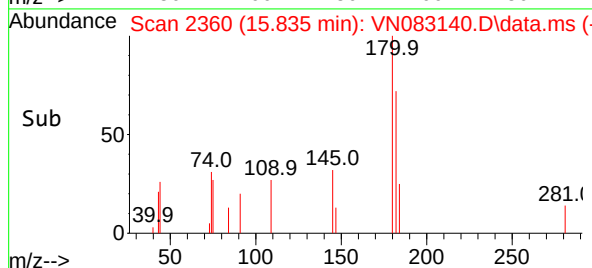
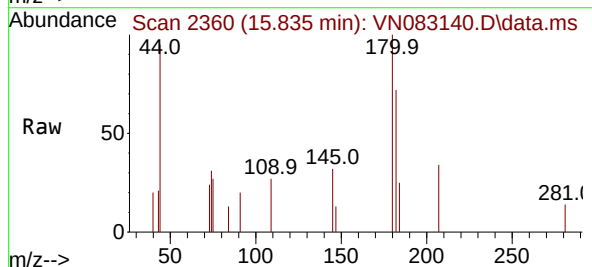
Manual Integrations
APPROVED

Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#96
1,2,3-Trichlorobenzene
Concen: 1.036 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.006 min
Lab File: VN083140.D
Acq: 07 Aug 2024 12:34

Tgt Ion:180 Resp: 2389
Ion Ratio Lower Upper
180 100
182 93.8 48.9 146.8
145 36.6 16.8 50.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080724\
 Data File : VN083142.D
 Acq On : 07 Aug 2024 14:49
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN080724

Quant Time: Aug 08 06:35:30 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 08 06:30:41 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 08/08/2024
 Supervised By : Mahesh Dadoda 08/09/2024

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	223686	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	380000	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	330951	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	157193	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.577	65	161051	50.583	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 101.160%	
35) Dibromofluoromethane	8.165	113	122268	51.549	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.100%	
50) Toluene-d8	10.565	98	461627	52.175	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 104.340%	
62) 4-Bromofluorobenzene	12.847	95	181344	52.574	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 105.140%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.124	85	119481	47.102	ug/l	99
3) Chloromethane	2.360	50	120081	46.238	ug/l	97
4) Vinyl Chloride	2.512	62	121730	45.937	ug/l	99
5) Bromomethane	2.948	94	70678	42.984	ug/l	99
6) Chloroethane	3.112	64	72491	43.725	ug/l	96
7) Trichlorofluoromethane	3.495	101	206291	47.124	ug/l	98
8) Diethyl Ether	3.959	74	75355	46.259	ug/l	85
9) 1,1,2-Trichlorotrifluo...	4.365	101	113860	47.176	ug/l	99
10) Methyl Iodide	4.589	142	150327	47.349	ug/l	97
11) Tert butyl alcohol	5.524	59	137718	208.135	ug/l	99
12) 1,1-Dichloroethene	4.336	96	112976	45.562	ug/l	93
13) Acrolein	4.177	56	93826	217.571	ug/l	97
14) Allyl chloride	5.018	41	192929	41.173	ug/l	94
15) Acrylonitrile	5.712	53	296594	217.950	ug/l	99
16) Acetone	4.424	43	262677	210.840	ug/l	97
17) Carbon Disulfide	4.712	76	316980	43.689	ug/l	100
18) Methyl Acetate	5.024	43	157374	42.397	ug/l #	91
19) Methyl tert-butyl Ether	5.795	73	418691	46.781	ug/l	97
20) Methylene Chloride	5.277	84	125142	43.645	ug/l #	82
21) trans-1,2-Dichloroethene	5.783	96	117045	45.671	ug/l	92
22) Diisopropyl ether	6.671	45	412931	46.881	ug/l	97
23) Vinyl Acetate	6.600	43	2125343	235.414	ug/l	95
24) 1,1-Dichloroethane	6.565	63	224136	46.685	ug/l	99
25) 2-Butanone	7.483	43	405134	211.782	ug/l	91
26) 2,2-Dichloropropane	7.489	77	213355	47.853	ug/l	97
27) cis-1,2-Dichloroethene	7.483	96	142606	46.113	ug/l	93
28) Bromochloromethane	7.812	49	90226	45.986	ug/l	86
29) Tetrahydrofuran	7.836	42	274710	222.147	ug/l	89
30) Chloroform	7.965	83	236359	47.387	ug/l	97
31) Cyclohexane	8.253	56	205124	43.474	ug/l	96
32) 1,1,1-Trichloroethane	8.165	97	222538	47.135	ug/l	96
36) 1,1-Dichloropropene	8.371	75	171262	47.732	ug/l	99
37) Ethyl Acetate	7.559	43	173246	43.124	ug/l #	96
38) Carbon Tetrachloride	8.365	117	193592	47.904	ug/l	100
39) Methylcyclohexane	9.600	83	210745	47.821	ug/l	98
40) Benzene	8.606	78	509159	47.635	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080724\
 Data File : VN083142.D
 Acq On : 07 Aug 2024 14:49
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :

MSVOA_N

ClientSampleId :

ICVVN080724

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024

Quant Time: Aug 08 06:35:30 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M

Quant Title : SW846 8260

QLast Update : Thu Aug 08 06:30:41 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	98251	43.013	ug/l	95
42) 1,2-Dichloroethane	8.671	62	184210	47.310	ug/l	98
43) Isopropyl Acetate	8.689	43	319540	45.577	ug/l #	95
44) Trichloroethene	9.353	130	122105	47.994	ug/l	99
45) 1,2-Dichloropropane	9.624	63	122313	48.208	ug/l	99
46) Dibromomethane	9.712	93	85581	47.124	ug/l	99
47) Bromodichloromethane	9.888	83	191842	47.047	ug/l	98
48) Methyl methacrylate	9.683	41	148161	44.609	ug/l	92
49) 1,4-Dioxane	9.694	88	53042	885.211	ug/l	96
51) 4-Methyl-2-Pentanone	10.441	43	877246	230.917	ug/l	94
52) Toluene	10.630	92	327682	48.520	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	208495	49.776	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	216020	48.487	ug/l	93
55) 1,1,2-Trichloroethane	11.018	97	117023	48.351	ug/l	99
56) Ethyl methacrylate	10.871	69	216248	47.395	ug/l	88
57) 1,3-Dichloropropane	11.165	76	204441	47.391	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	472357	244.918	ug/l	96
59) 2-Hexanone	11.194	43	661033	224.916	ug/l	92
60) Dibromochloromethane	11.359	129	144886	49.513	ug/l	99
61) 1,2-Dibromoethane	11.471	107	119834	47.133	ug/l	98
64) Tetrachloroethene	11.106	164	105591	48.175	ug/l	97
65) Chlorobenzene	11.888	112	347560	47.522	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.959	131	120826	46.843	ug/l	98
67) Ethyl Benzene	11.965	91	640827	47.764	ug/l	99
68) m/p-Xylenes	12.071	106	484653	96.434	ug/l	98
69) o-Xylene	12.400	106	231292	46.662	ug/l	97
70) Styrene	12.412	104	403657	48.487	ug/l	98
71) Bromoform	12.577	173	93397	47.797	ug/l #	99
73) Isopropylbenzene	12.694	105	616544	46.893	ug/l	99
74) N-amyl acetate	12.494	43	281352	43.748	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.941	83	159962	43.016	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	145309m	42.119	ug/l	
77) Bromobenzene	12.982	156	136249	46.649	ug/l	97
78) n-propylbenzene	13.035	91	721825	47.678	ug/l	99
79) 2-Chlorotoluene	13.124	91	445353	46.398	ug/l	98
80) 1,3,5-Trimethylbenzene	13.171	105	524769	47.673	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	74654	47.070	ug/l	84
82) 4-Chlorotoluene	13.224	91	447810	46.512	ug/l	98
83) tert-Butylbenzene	13.435	119	450104	46.173	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	515759	46.493	ug/l	99
85) sec-Butylbenzene	13.618	105	625404	47.018	ug/l	100
86) p-Isopropyltoluene	13.729	119	522411	47.566	ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	252579	45.959	ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	252088	45.499	ug/l	98
89) n-Butylbenzene	14.059	91	461440	48.489	ug/l	98
90) Hexachloroethane	14.335	117	99176	46.741	ug/l	95
91) 1,2-Dichlorobenzene	14.106	146	240673	45.255	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	37677	41.753	ug/l	99
93) 1,2,4-Trichlorobenzene	15.394	180	137214	46.054	ug/l	96
94) Hexachlorobutadiene	15.500	225	57394	43.315	ug/l	98
95) Naphthalene	15.641	128	471674	44.692	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	133315	45.221	ug/l	95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080724\
Data File : VN083142.D
Acq On : 07 Aug 2024 14:49
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN080724

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024

Quant Time: Aug 08 06:35:30 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 08 06:30:41 2024
Response via : Initial Calibration

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

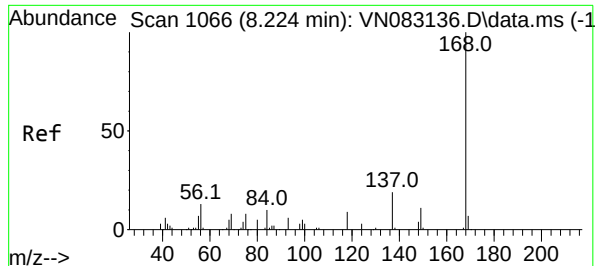
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_N
ClientSampleId :
ICVVN080724

Manual Integrations APPROVED

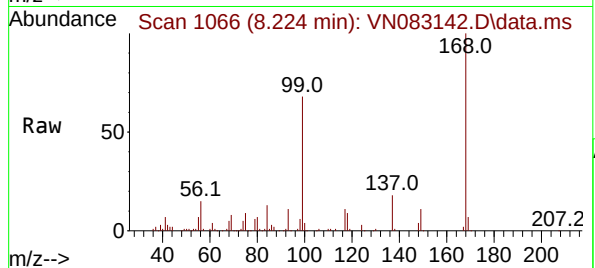
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083142.D
Acq: 07 Aug 2024 14:49

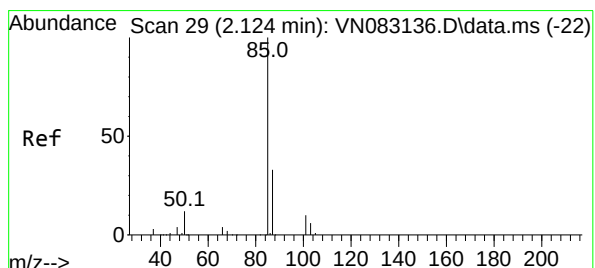
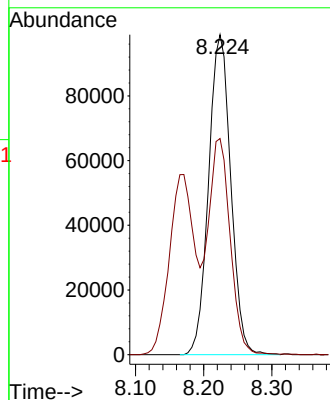
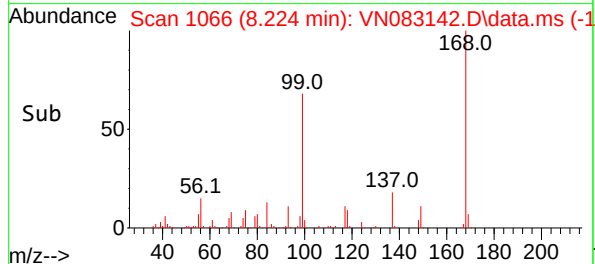
Instrument :
MSVOA_N
ClientSampleId :
ICVVN080724



Tgt Ion:168 Resp: 223680
Ion Ratio Lower Upper
168 100
99 67.4 48.2 72.4

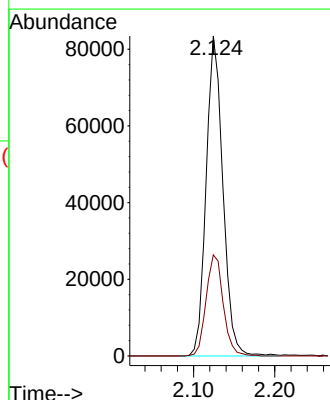
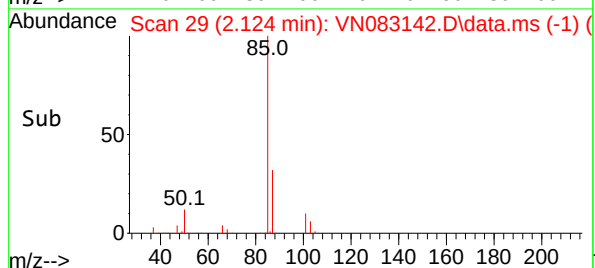
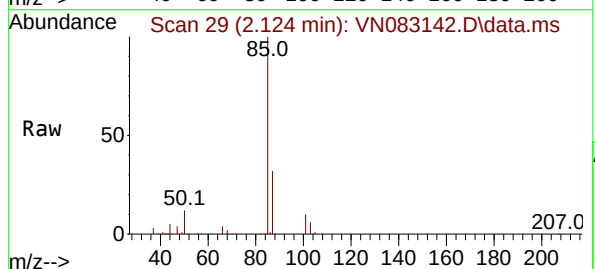
Manual Integrations
APPROVED

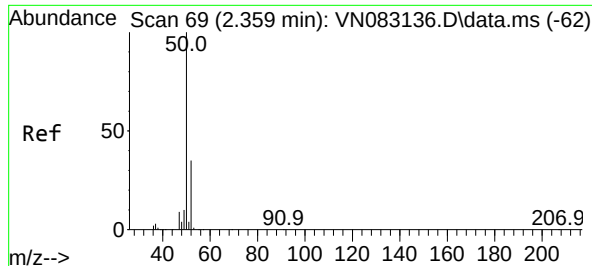
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#2
Dichlorodifluoromethane
Concen: 47.102 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN083142.D
Acq: 07 Aug 2024 14:49

Tgt Ion: 85 Resp: 119481
Ion Ratio Lower Upper
85 100
87 31.6 15.7 47.0





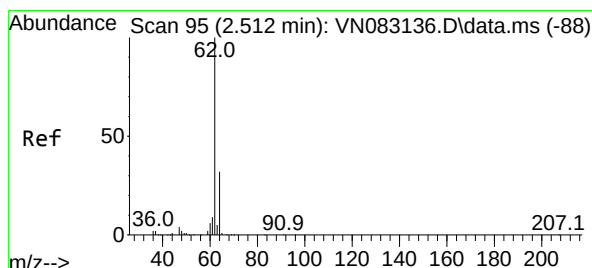
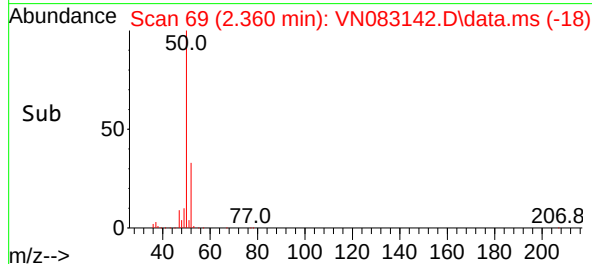
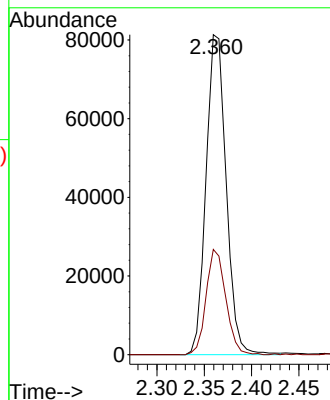
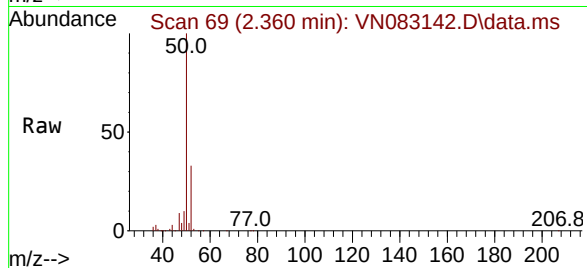
#3
Chloromethane
Concen: 46.238 ug/l
RT: 2.360 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN083142.D
Acq: 07 Aug 2024 14:49

Instrument :
MSVOA_N
ClientSampleId :
ICVVN080724

Tgt Ion: 50 Resp: 12008
Ion Ratio Lower Upper
50 100
52 32.9 25.0 37.4

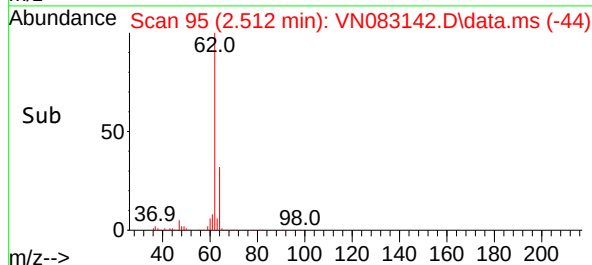
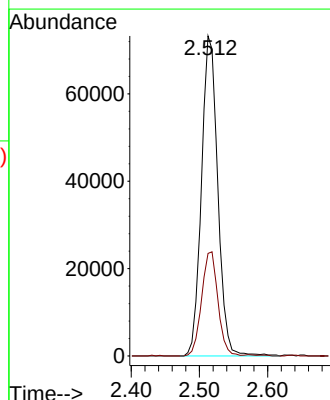
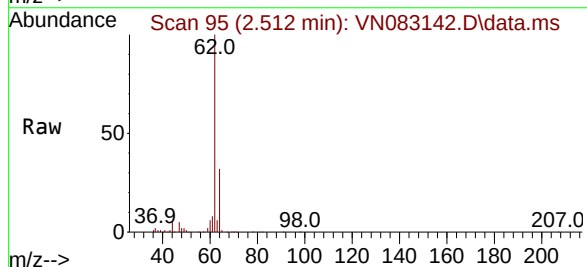
Manual Integrations
APPROVED

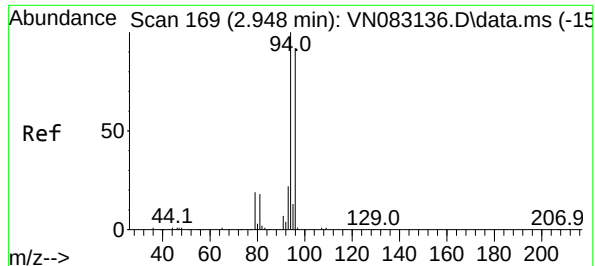
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#4
Vinyl Chloride
Concen: 45.937 ug/l
RT: 2.512 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN083142.D
Acq: 07 Aug 2024 14:49

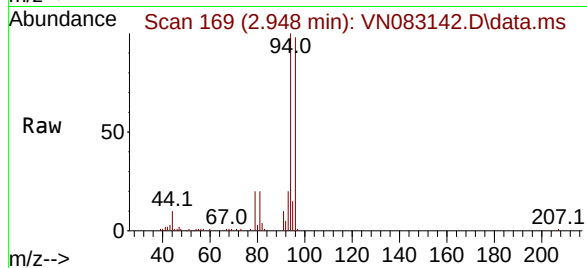
Tgt Ion: 62 Resp: 121730
Ion Ratio Lower Upper
62 100
64 32.0 25.0 37.6





#5
Bromomethane
Concen: 42.984 ug/l
RT: 2.948 min Scan# 169
Delta R.T. 0.000 min
Lab File: VN083142.D
Acq: 07 Aug 2024 14:49

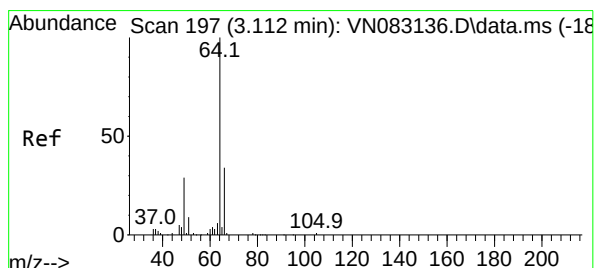
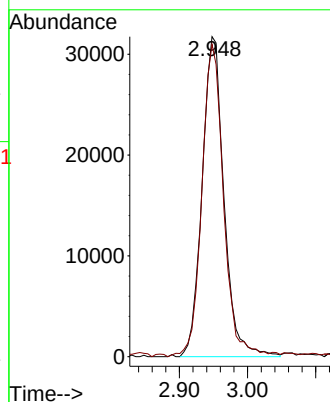
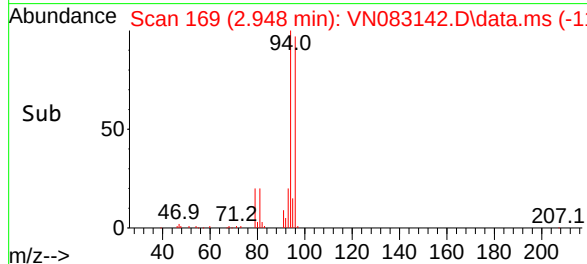
Instrument :
MSVOA_N
ClientSampleId :
ICVVN080724



Tgt Ion: 94 Resp: 70678
Ion Ratio Lower Upper
94 100
96 96.9 78.0 117.0

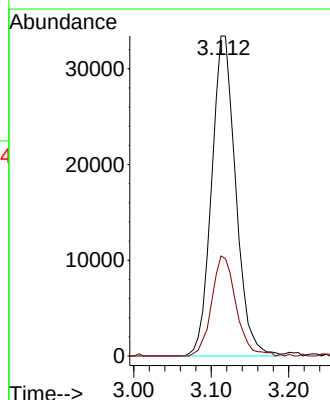
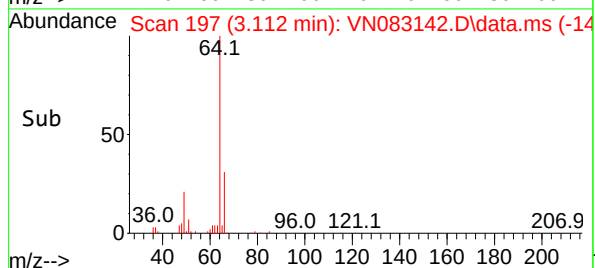
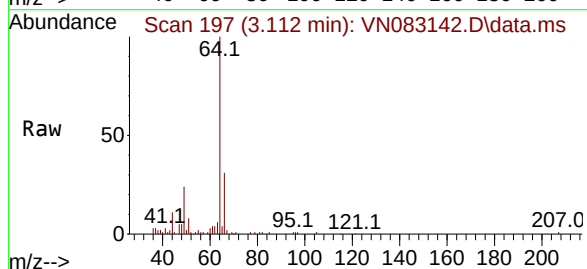
Manual Integrations
APPROVED

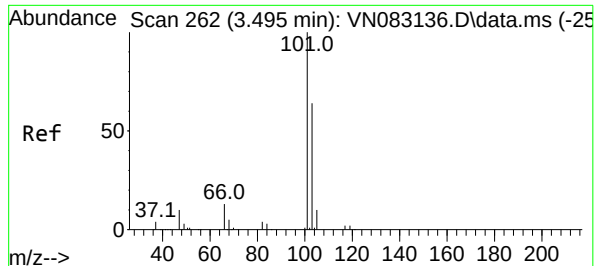
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#6
Chloroethane
Concen: 43.725 ug/l
RT: 3.112 min Scan# 197
Delta R.T. 0.000 min
Lab File: VN083142.D
Acq: 07 Aug 2024 14:49

Tgt Ion: 64 Resp: 72491
Ion Ratio Lower Upper
64 100
66 31.3 26.6 40.0





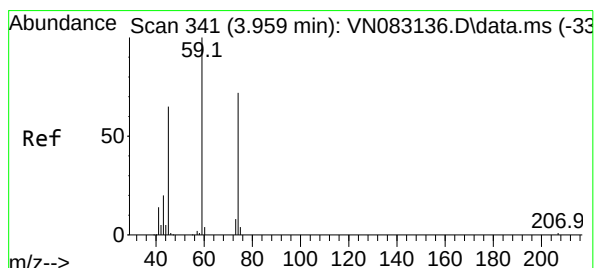
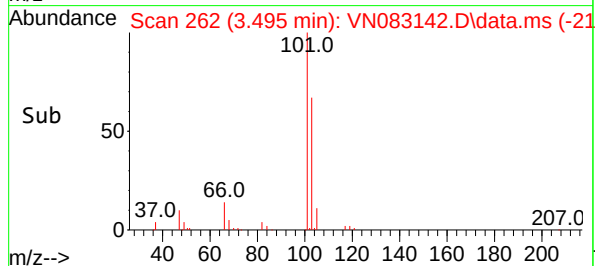
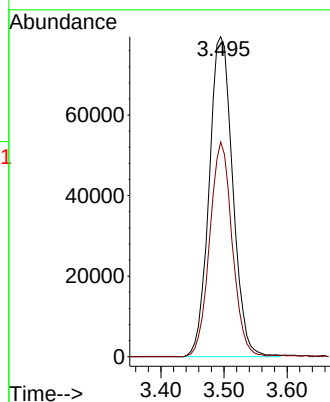
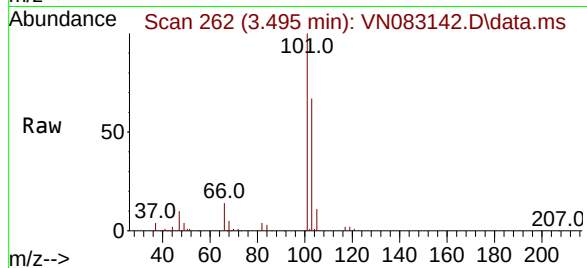
#7
Trichlorofluoromethane
Concen: 47.124 ug/l
RT: 3.495 min Scan# 20629
Delta R.T. -0.000 min
Lab File: VN083142.D
Acq: 07 Aug 2024 14:49

Instrument :
MSVOA_N
ClientSampleId :
ICVVN080724

Tgt Ion:101 Resp: 20629
Ion Ratio Lower Upper
101 100
103 67.1 52.7 79.1

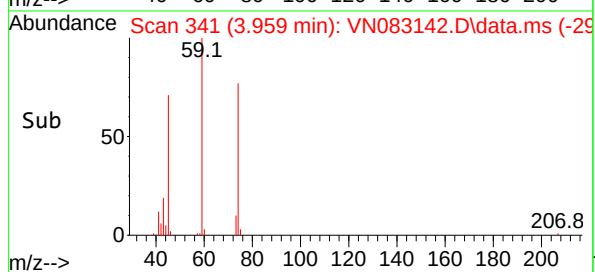
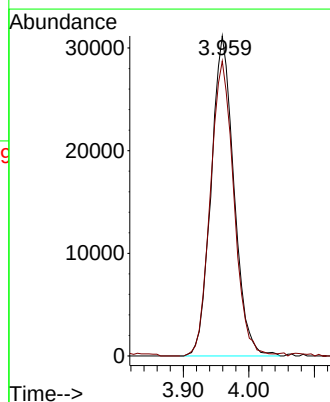
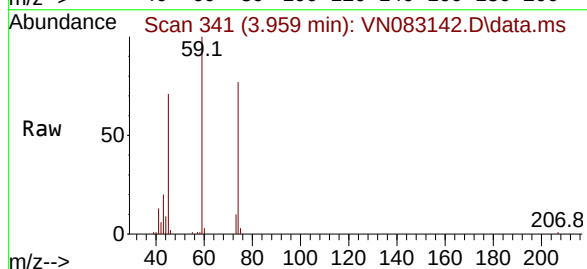
Manual Integrations
APPROVED

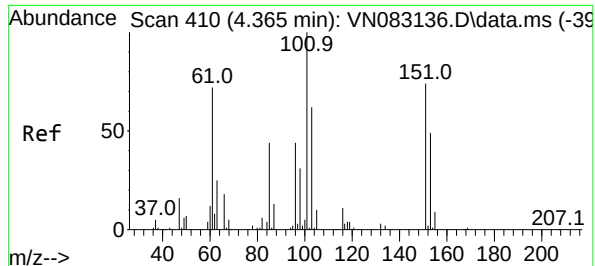
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#8
Diethyl Ether
Concen: 46.259 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.000 min
Lab File: VN083142.D
Acq: 07 Aug 2024 14:49

Tgt Ion: 74 Resp: 75355
Ion Ratio Lower Upper
74 100
45 94.7 55.5 166.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.176 ug/l

RT: 4.365 min Scan# 410

Delta R.T. 0.000 min

Lab File: VN083142.D

Acq: 07 Aug 2024 14:49

Instrument :

MSVOA_N

ClientSampleId :

ICVVN080724

Tgt Ion:101 Resp: 113860

Ion Ratio Lower Upper

101 100

85 47.0 38.3 57.5

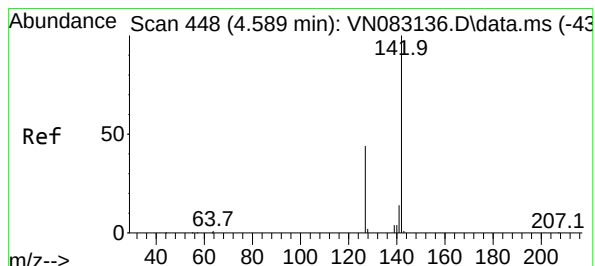
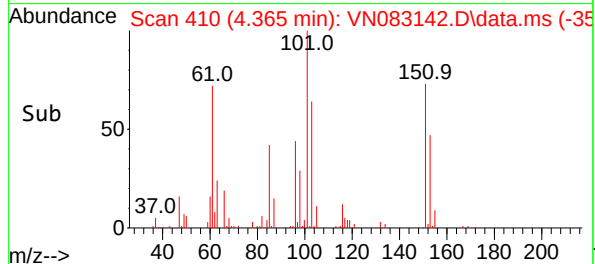
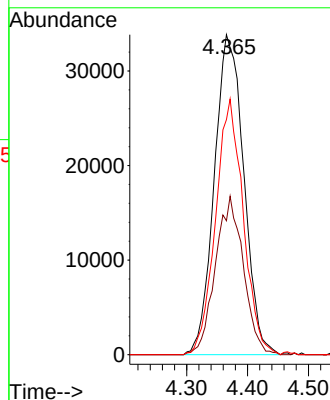
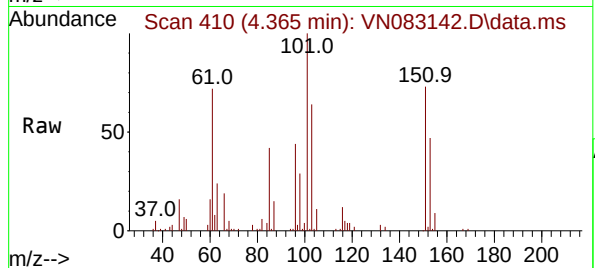
151 75.1 59.3 88.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#10

Methyl Iodide

Concen: 47.349 ug/l

RT: 4.589 min Scan# 448

Delta R.T. 0.000 min

Lab File: VN083142.D

Acq: 07 Aug 2024 14:49

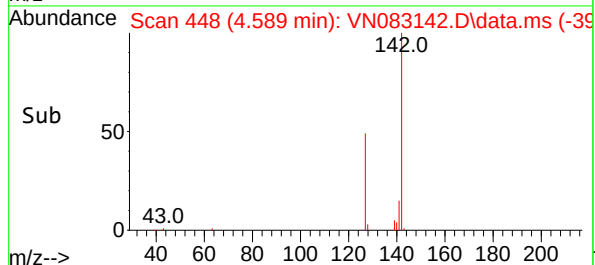
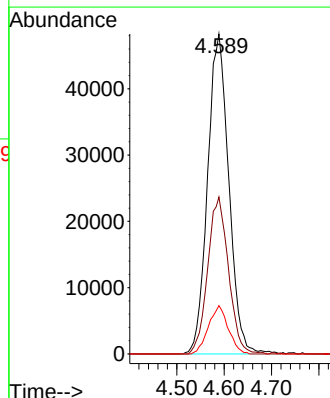
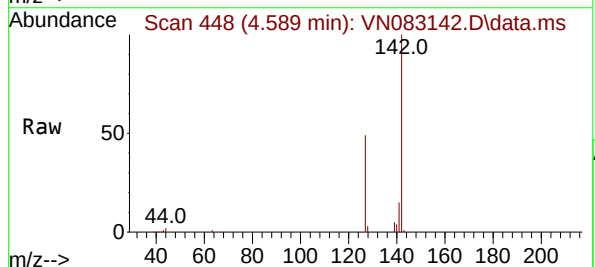
Tgt Ion:142 Resp: 150327

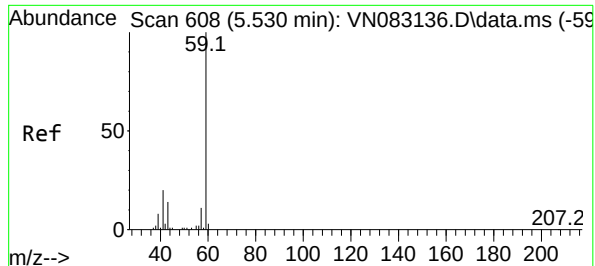
Ion Ratio Lower Upper

142 100

127 49.1 37.5 56.3

141 15.1 13.1 19.7





#11

Tert butyl alcohol

Concen: 208.135 ug/l

RT: 5.524 min Scan# 607

Delta R.T. -0.006 min

Lab File: VN083142.D

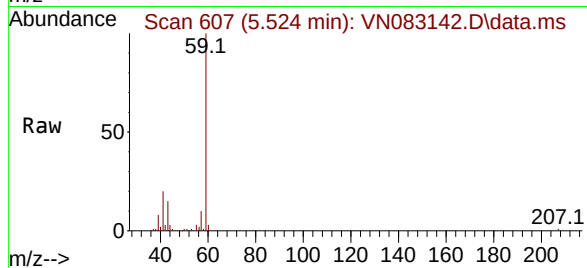
Acq: 07 Aug 2024 14:49

Instrument :

MSVOA_N

ClientSampleId :

ICVVN080724



Tgt Ion: 59 Resp: 137718

Ion Ratio Lower Upper

59 100

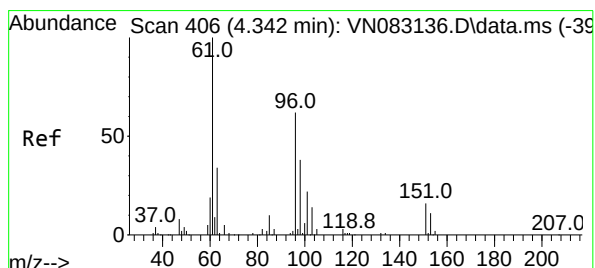
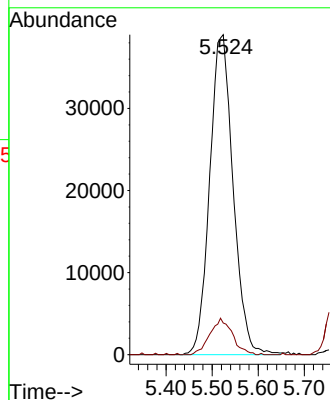
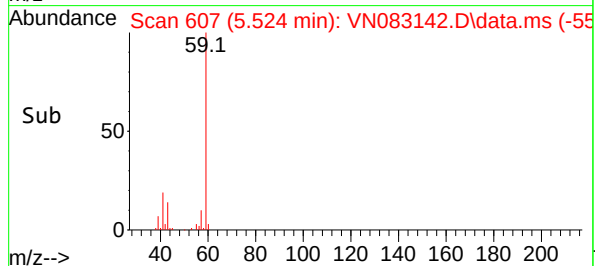
57 10.9 8.9 13.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#12

1,1-Dichloroethene

Concen: 45.562 ug/l

RT: 4.336 min Scan# 405

Delta R.T. -0.006 min

Lab File: VN083142.D

Acq: 07 Aug 2024 14:49

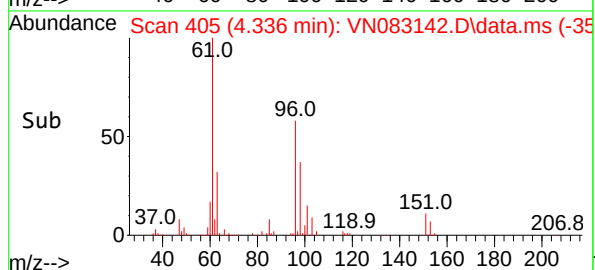
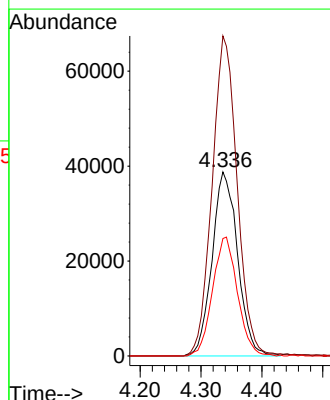
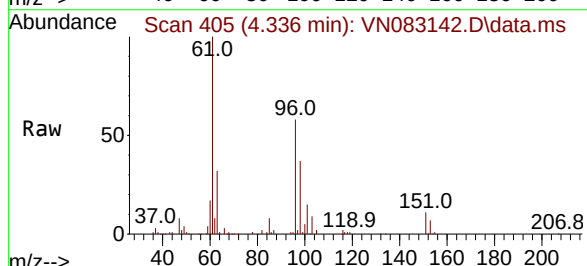
Tgt Ion: 96 Resp: 112976

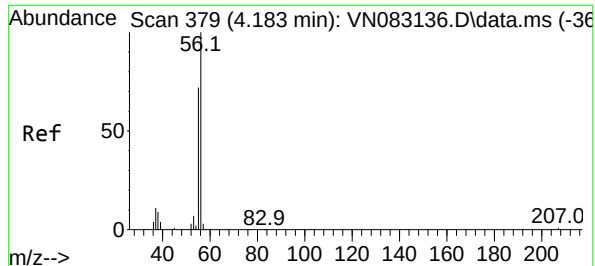
Ion Ratio Lower Upper

96 100

61 173.9 149.7 224.5

98 63.8 50.1 75.1





#13

Acrolein

Concen: 217.571 ug/l

RT: 4.177 min Scan# 31

Delta R.T. -0.006 min

Lab File: VN083142.D

Acq: 07 Aug 2024 14:49

Instrument :

MSVOA_N

ClientSampleId :

ICVVN080724

Tgt Ion: 56 Resp: 93820

Ion Ratio Lower Upper

56 100

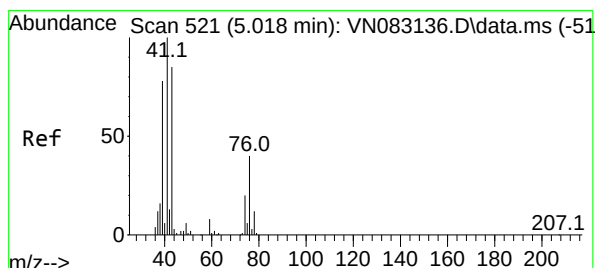
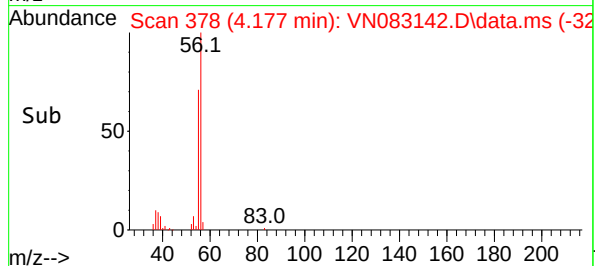
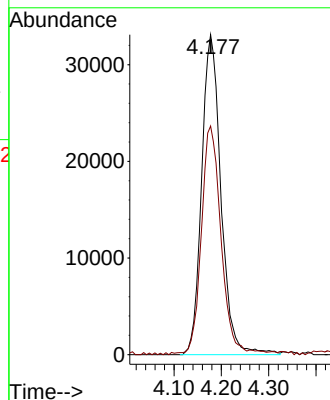
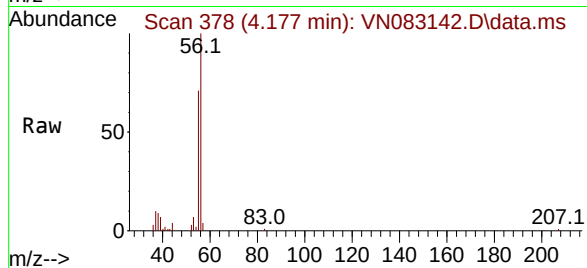
55 73.1 56.4 84.6

Manual Integrations

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#14

Allyl chloride

Concen: 41.173 ug/l

RT: 5.018 min Scan# 521

Delta R.T. 0.000 min

Lab File: VN083142.D

Acq: 07 Aug 2024 14:49

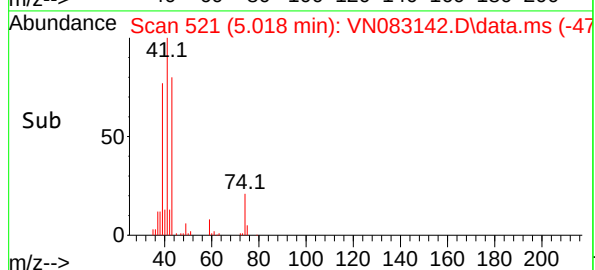
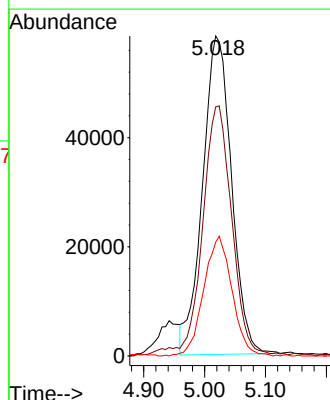
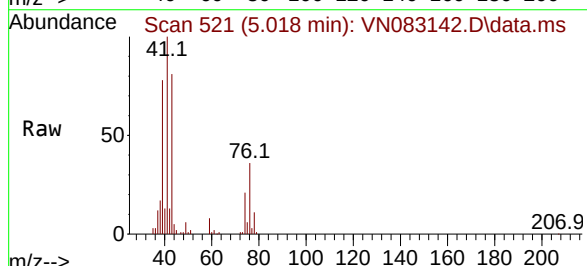
Tgt Ion: 41 Resp: 192929

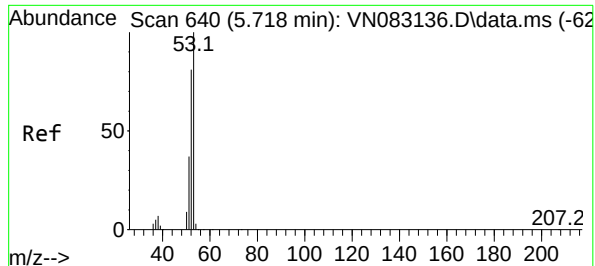
Ion Ratio Lower Upper

41 100

39 79.9 67.8 101.6

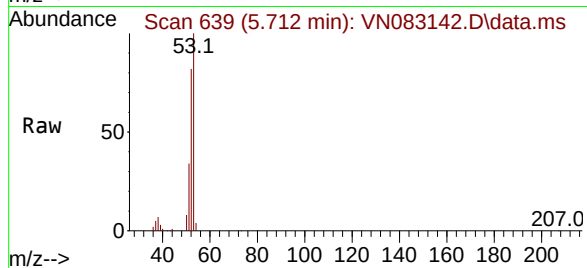
76 36.7 25.8 38.8





#15
Acrylonitrile
Concen: 217.950 ug/l
RT: 5.712 min Scan# 61
Delta R.T. -0.006 min
Lab File: VN083142.D
Acq: 07 Aug 2024 14:49

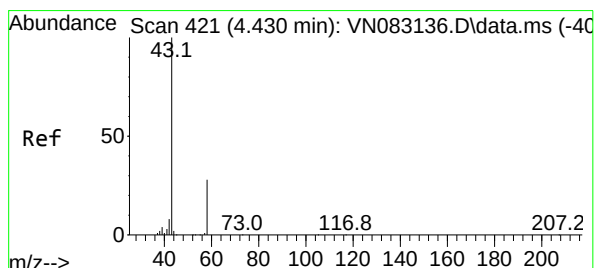
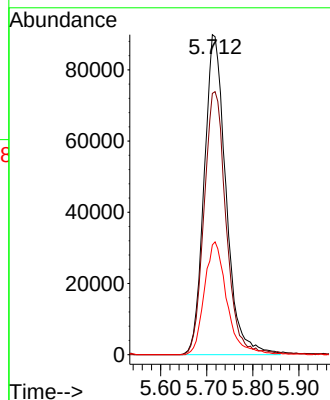
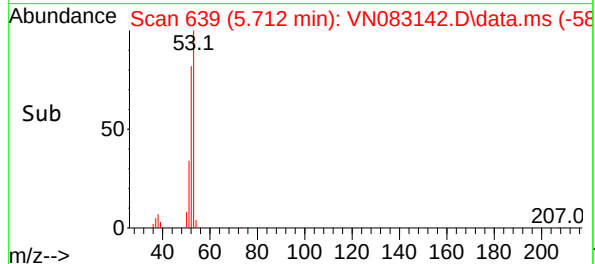
Instrument :
MSVOA_N
ClientSampleId :
ICVVN080724



Tgt Ion: 53 Resp: 296594
Ion Ratio Lower Upper
53 100
52 82.9 66.6 100.0
51 36.5 30.1 45.1

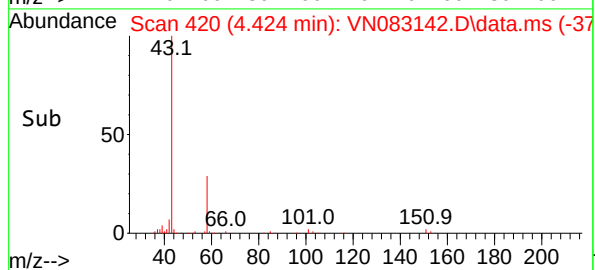
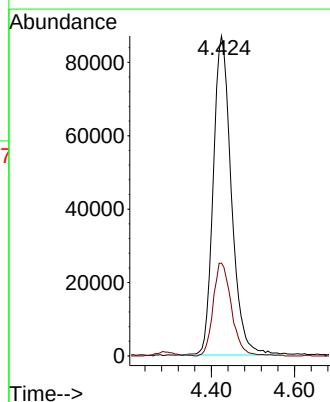
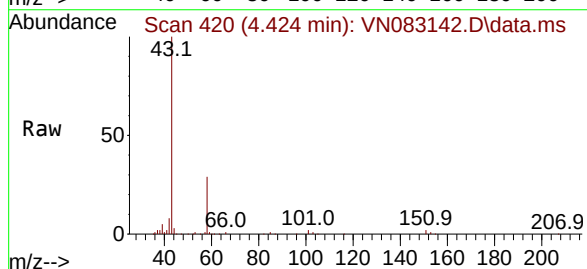
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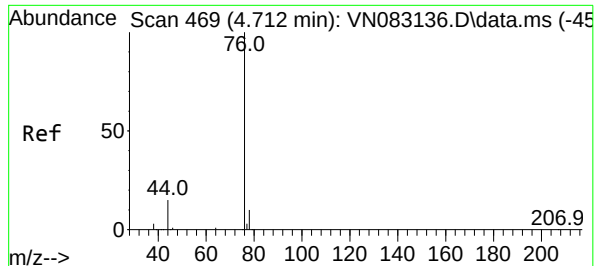
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#16
Acetone
Concen: 210.840 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.006 min
Lab File: VN083142.D
Acq: 07 Aug 2024 14:49

Tgt Ion: 43 Resp: 262677
Ion Ratio Lower Upper
43 100
58 28.9 21.8 32.6





#17

Carbon Disulfide

Concen: 43.689 ug/l

RT: 4.712 min Scan# 469

Delta R.T. 0.000 min

Lab File: VN083142.D

Acq: 07 Aug 2024 14:49

Instrument :

MSVOA_N

ClientSampleId :

ICVVN080724

Tgt Ion: 76 Resp: 316980

Ion Ratio Lower Upper

76 100

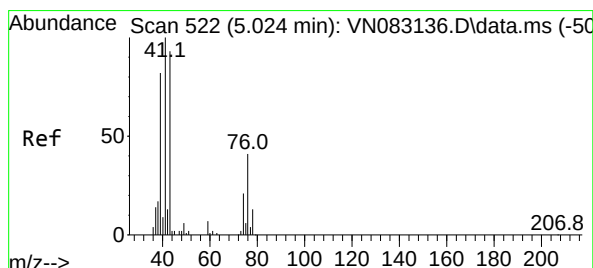
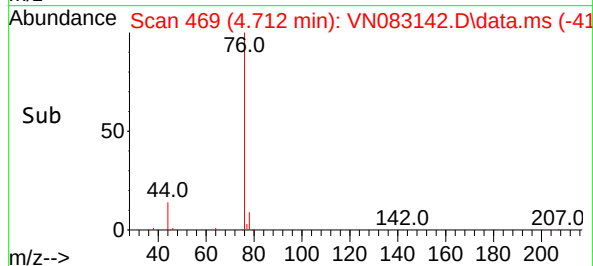
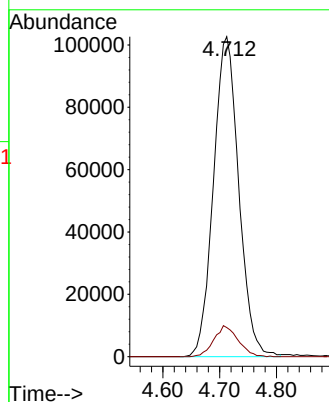
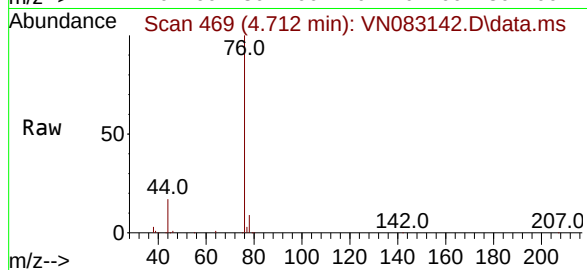
78 9.1 7.2 10.8

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Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#18

Methyl Acetate

Concen: 42.397 ug/l

RT: 5.024 min Scan# 522

Delta R.T. 0.000 min

Lab File: VN083142.D

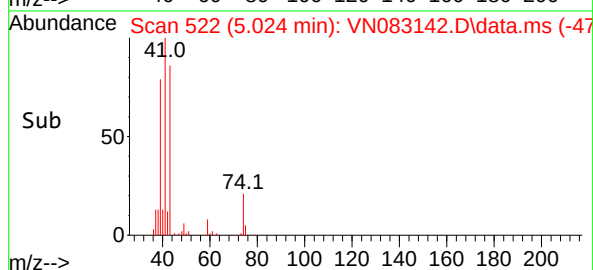
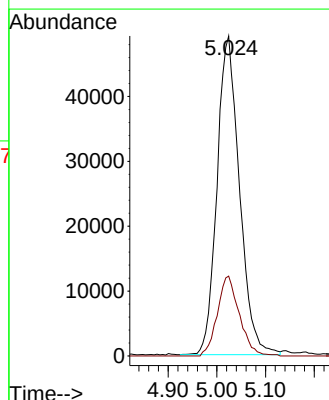
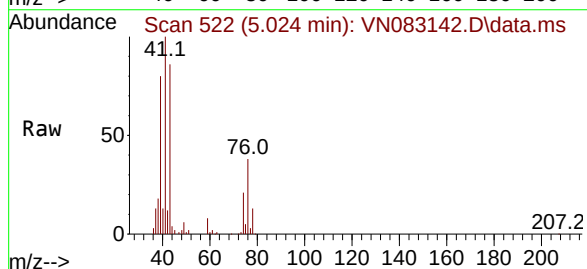
Acq: 07 Aug 2024 14:49

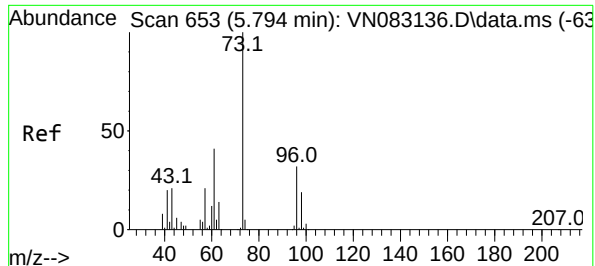
Tgt Ion: 43 Resp: 157374

Ion Ratio Lower Upper

43 100

74 24.6 16.3 24.5#





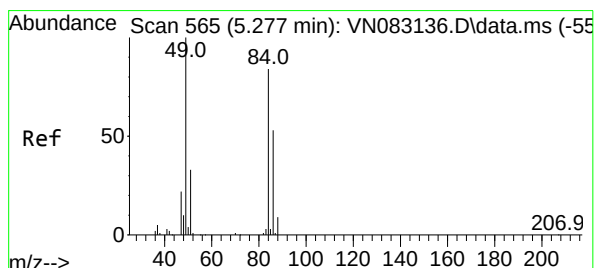
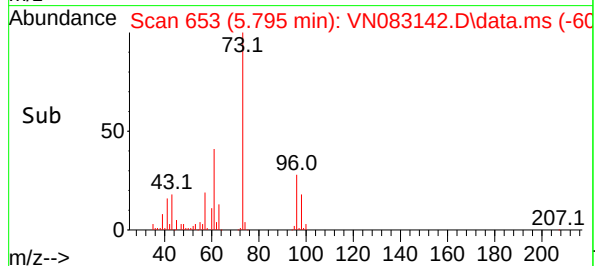
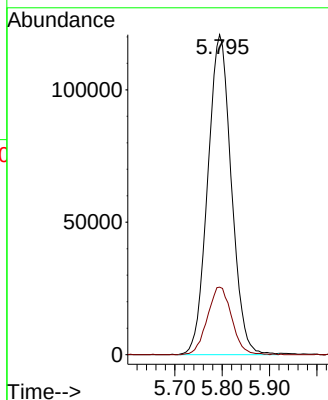
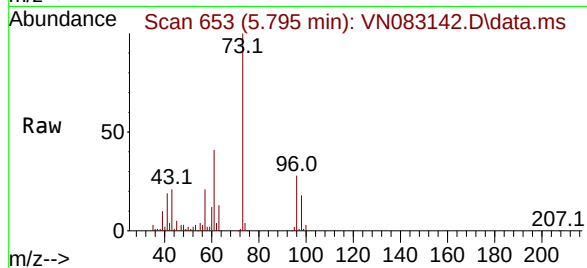
#19
Methyl tert-butyl Ether
Concen: 46.781 ug/l
RT: 5.795 min Scan# 613
Delta R.T. 0.000 min
Lab File: VN083142.D
Acq: 07 Aug 2024 14:49

Instrument :
MSVOA_N
ClientSampleId :
ICVVN080724

Tgt Ion: 73 Resp: 41869
Ion Ratio Lower Upper
73 100
57 21.1 17.9 26.9

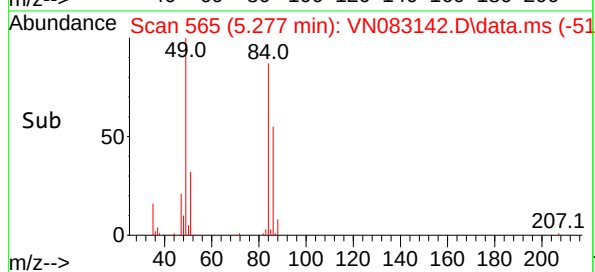
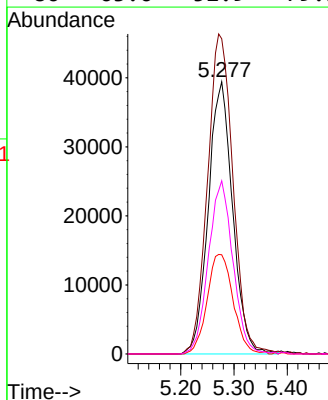
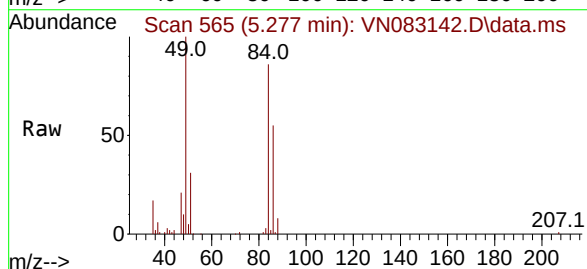
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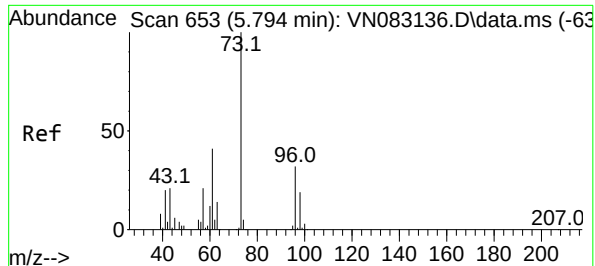
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#20
Methylene Chloride
Concen: 43.645 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.000 min
Lab File: VN083142.D
Acq: 07 Aug 2024 14:49

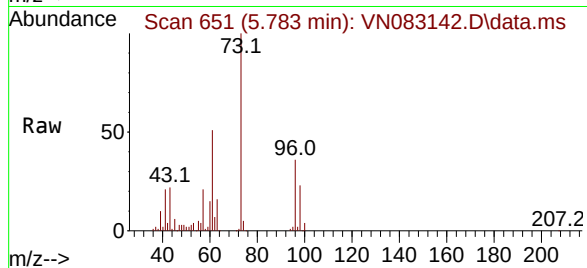
Tgt Ion: 84 Resp: 125142
Ion Ratio Lower Upper
84 100
49 115.8 119.6 179.4#
51 36.5 34.8 52.2
86 63.6 52.9 79.3





#21
trans-1,2-Dichloroethene
Concen: 45.671 ug/l
RT: 5.783 min Scan# 651
Delta R.T. -0.012 min
Lab File: VN083142.D
Acq: 07 Aug 2024 14:49

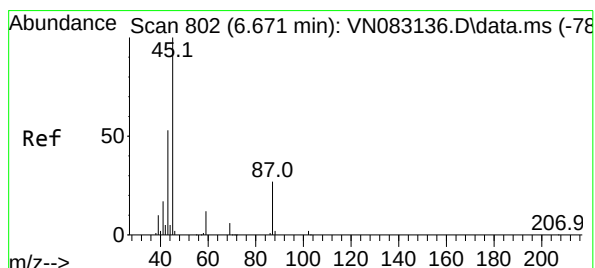
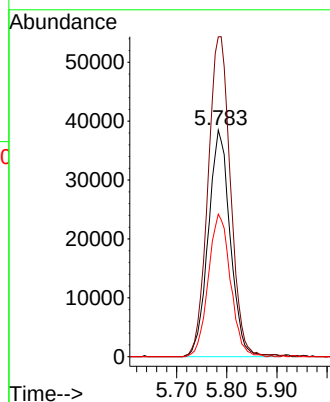
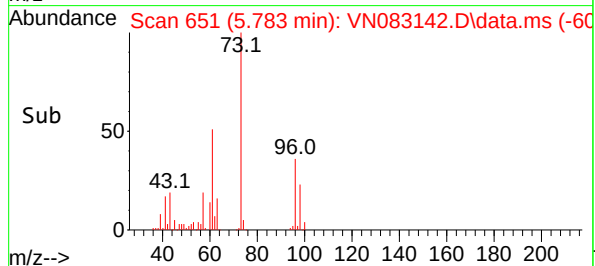
Instrument :
MSVOA_N
ClientSampleId :
ICVNVN080724



Tgt Ion: 96 Resp: 117045
Ion Ratio Lower Upper
96 100
61 141.1 123.4 185.2
98 62.9 49.3 73.9

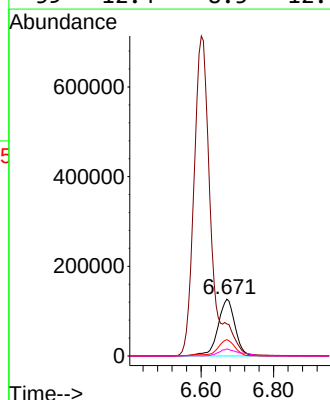
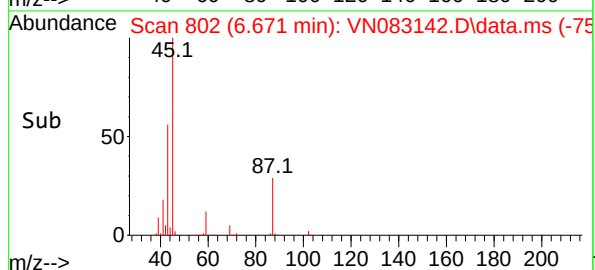
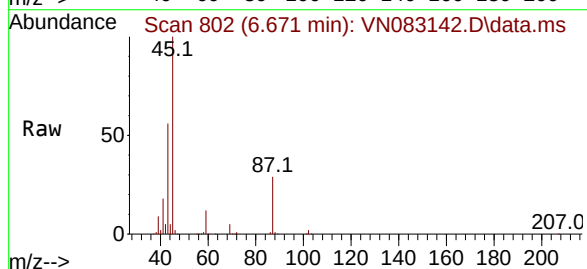
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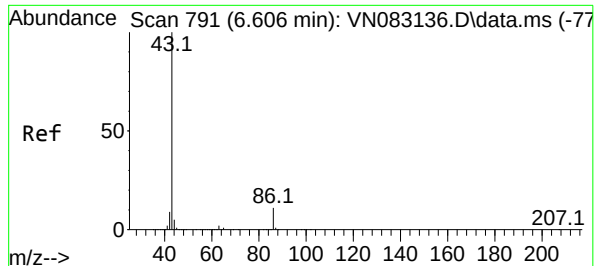
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#22
Diisopropyl ether
Concen: 46.881 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.000 min
Lab File: VN083142.D
Acq: 07 Aug 2024 14:49

Tgt Ion: 45 Resp: 412931
Ion Ratio Lower Upper
45 100
43 55.6 44.0 66.0
87 28.6 19.7 29.5
59 12.4 8.5 12.7





#23

Vinyl Acetate

Concen: 235.414 ug/l

RT: 6.600 min Scan# 791

Delta R.T. -0.006 min

Lab File: VN083142.D

Acq: 07 Aug 2024 14:49

Instrument :

MSVOA_N

ClientSampleId :

ICVVN080724

Tgt Ion: 43 Resp: 212534

Ion Ratio Lower Upper

43 100

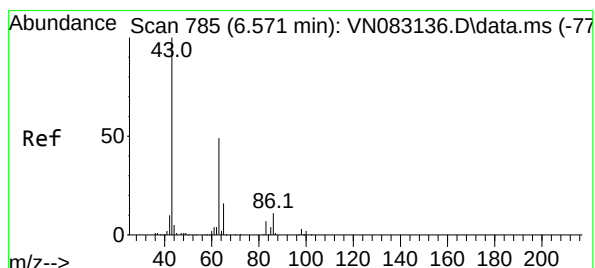
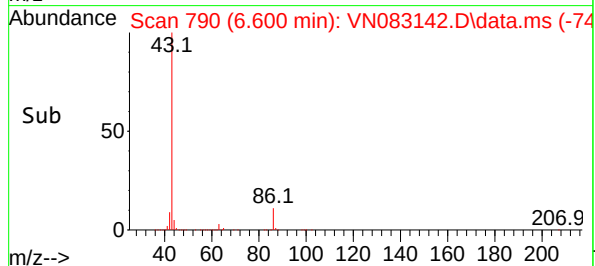
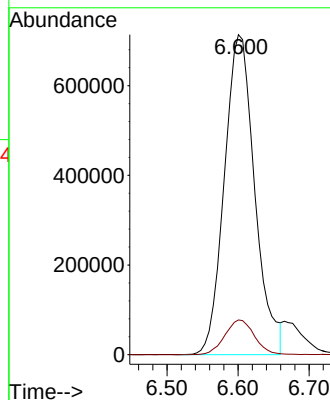
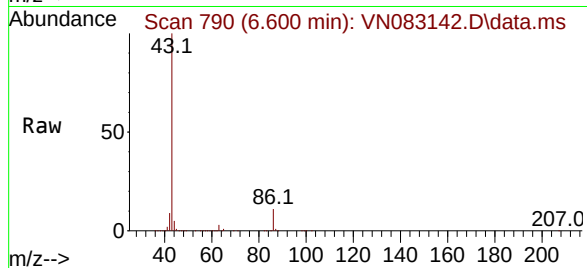
86 10.9 7.3 10.9

Manual Integrations

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Supervised By :Mahesh Dadoda 08/09/2024



#24

1,1-Dichloroethane

Concen: 46.685 ug/l

RT: 6.565 min Scan# 784

Delta R.T. -0.006 min

Lab File: VN083142.D

Acq: 07 Aug 2024 14:49

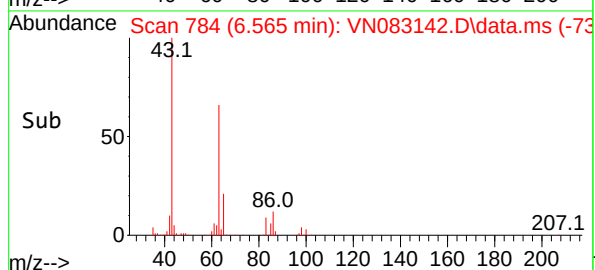
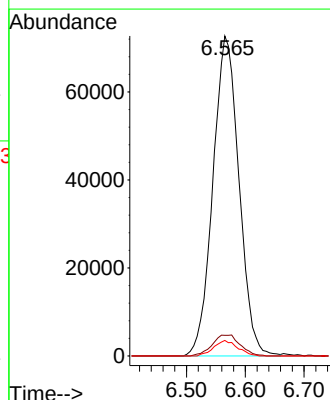
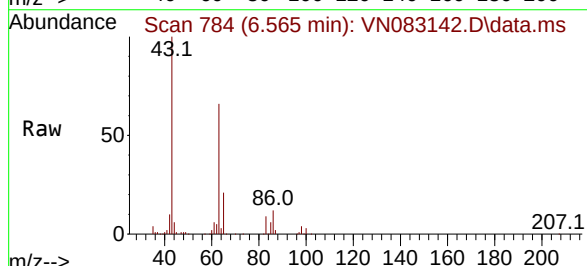
Tgt Ion: 63 Resp: 224136

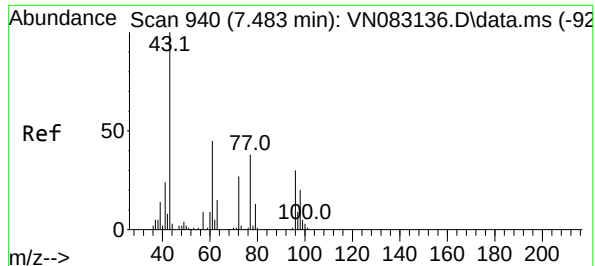
Ion Ratio Lower Upper

63 100

98 6.5 3.3 9.9

100 4.9 2.0 6.0





#25

2-Butanone

Concen: 211.782 ug/l

RT: 7.483 min Scan# 940

Delta R.T. 0.000 min

Lab File: VN083142.D

Acq: 07 Aug 2024 14:49

Instrument :

MSVOA_N

ClientSampleId :

ICVVN080724

Tgt Ion: 43 Resp: 405134

Ion Ratio Lower Upper

43 100

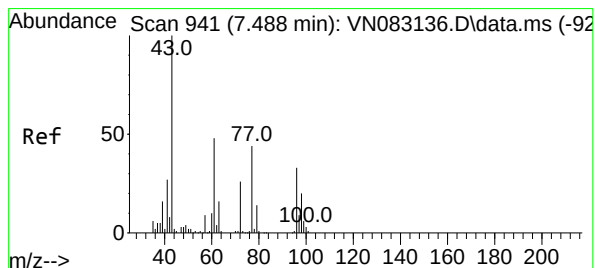
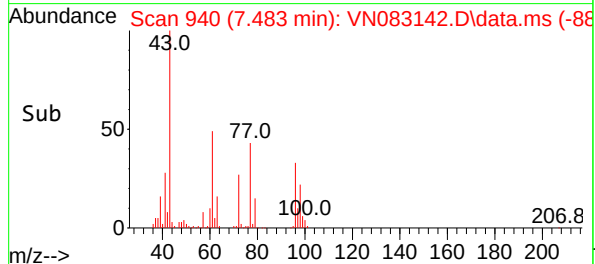
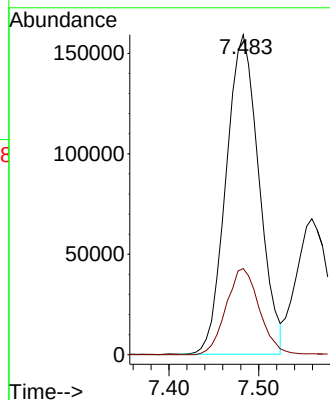
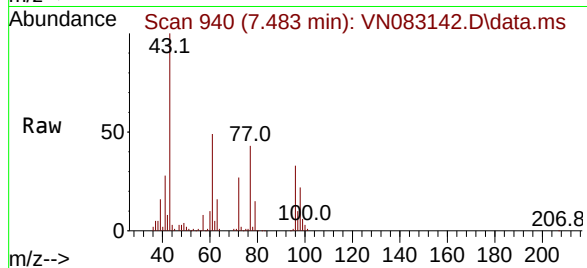
72 26.9 18.2 27.2

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Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#26

2,2-Dichloropropane

Concen: 47.853 ug/l

RT: 7.489 min Scan# 941

Delta R.T. 0.000 min

Lab File: VN083142.D

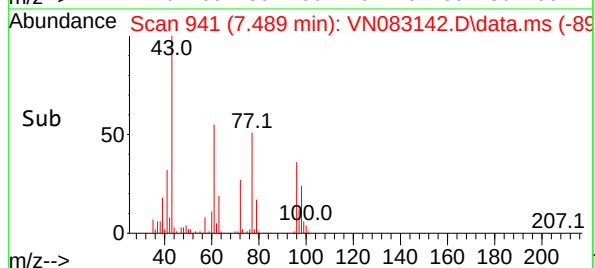
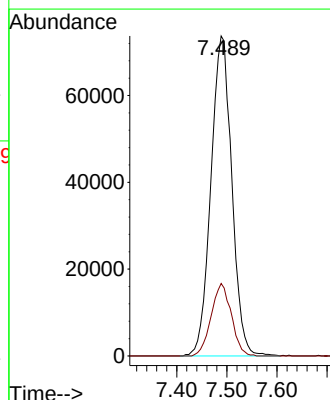
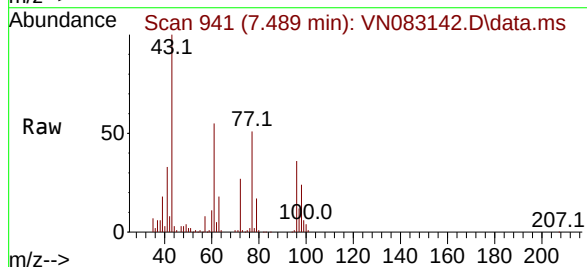
Acq: 07 Aug 2024 14:49

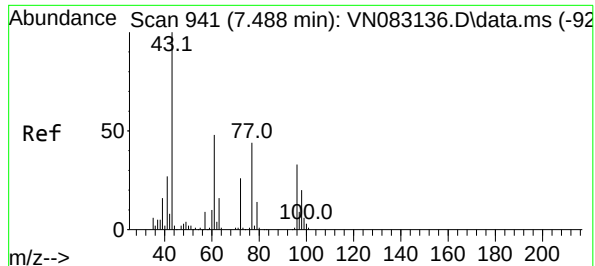
Tgt Ion: 77 Resp: 213355

Ion Ratio Lower Upper

77 100

97 21.9 10.3 30.9





#27

cis-1,2-Dichloroethene

Concen: 46.113 ug/l

RT: 7.483 min Scan# 941

Delta R.T. -0.006 min

Lab File: VN083142.D

Acq: 07 Aug 2024 14:49

Instrument :

MSVOA_N

ClientSampleId :

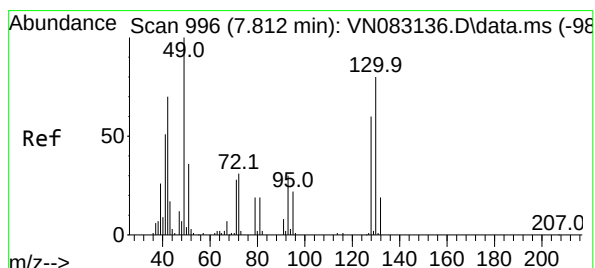
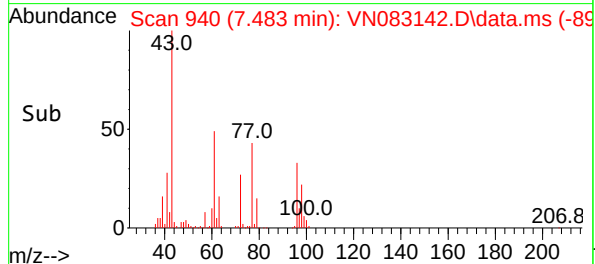
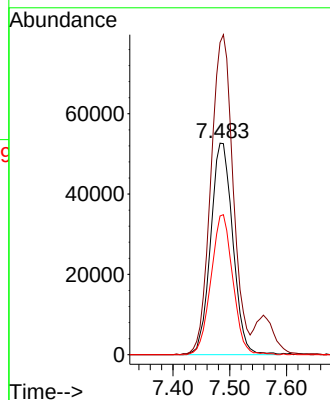
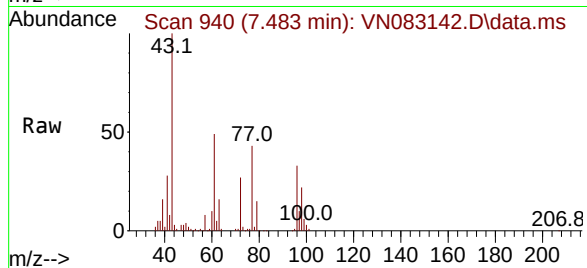
ICVVN080724

Tgt Ion:	96	Resp:	142600
Ion	Ratio	Lower	Upper
96	100		
61	151.9	0.0	329.6
98	65.2	0.0	128.6

Manual Integrations
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Supervised By :Mahesh Dadoda 08/09/2024



#28

Bromochloromethane

Concen: 45.986 ug/l

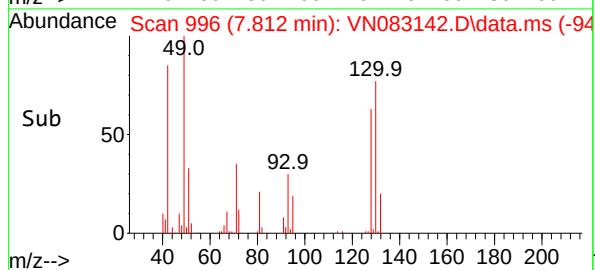
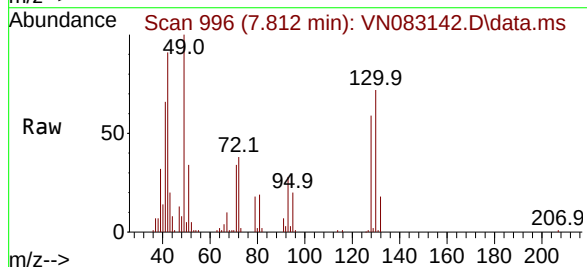
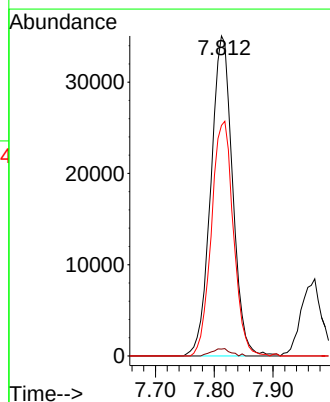
RT: 7.812 min Scan# 996

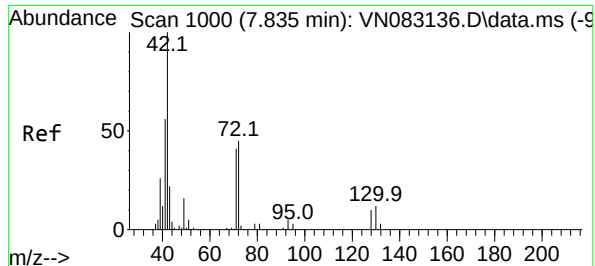
Delta R.T. 0.000 min

Lab File: VN083142.D

Acq: 07 Aug 2024 14:49

Tgt Ion:	49	Resp:	90226
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.8
130	73.9	50.5	75.7





#29

Tetrahydrofuran

Concen: 222.147 ug/l

RT: 7.836 min Scan# 1000

Delta R.T. 0.000 min

Lab File: VN083142.D

Acq: 07 Aug 2024 14:49

Instrument :

MSVOA_N

ClientSampleId :

ICVNVN080724

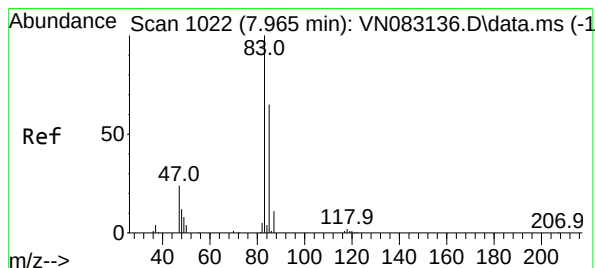
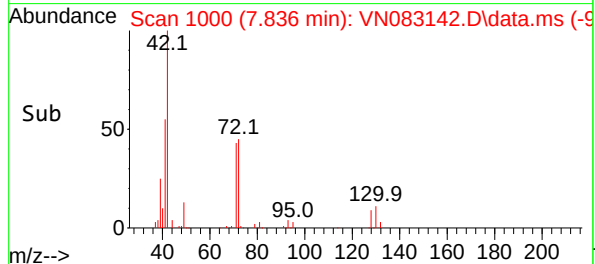
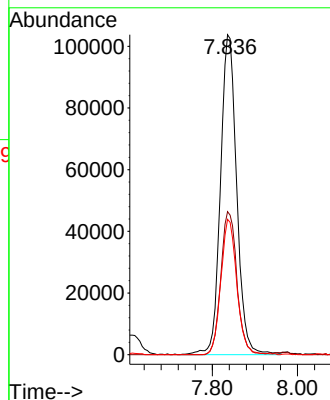
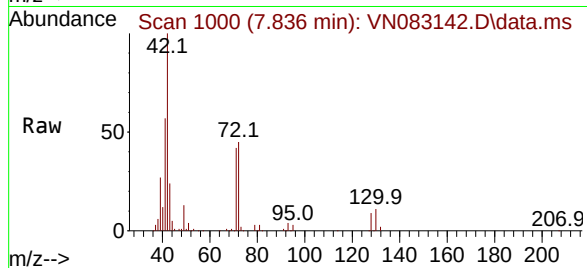
Tgt Ion:	42	Resp:	274710
Ion	Ratio	Lower	Upper
42	100		
72	44.2	30.0	45.0
71	41.5	28.3	42.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#30

Chloroform

Concen: 47.387 ug/l

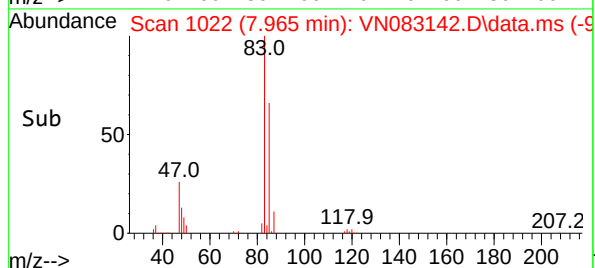
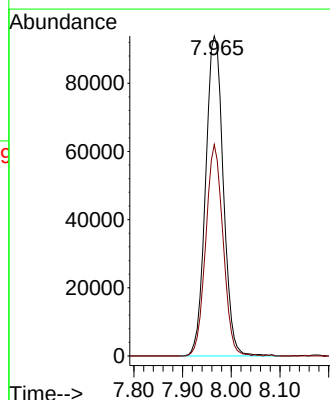
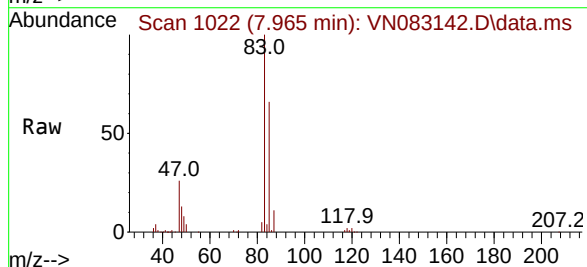
RT: 7.965 min Scan# 1022

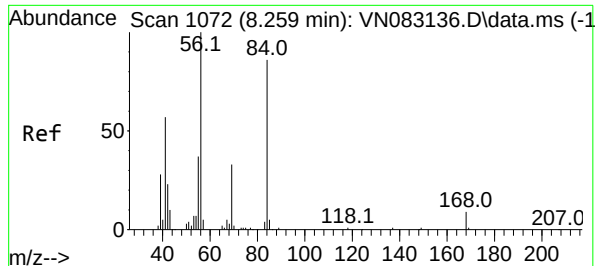
Delta R.T. 0.000 min

Lab File: VN083142.D

Acq: 07 Aug 2024 14:49

Tgt Ion:	83	Resp:	236359
Ion	Ratio	Lower	Upper
83	100		
85	66.1	50.9	76.3





#31

Cyclohexane

Concen: 43.474 ug/l

RT: 8.253 min Scan# 1071

Delta R.T. -0.006 min

Lab File: VN083142.D

Acq: 07 Aug 2024 14:49

Instrument :

MSVOA_N

ClientSampleId :

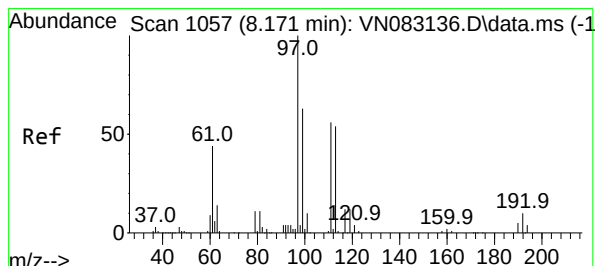
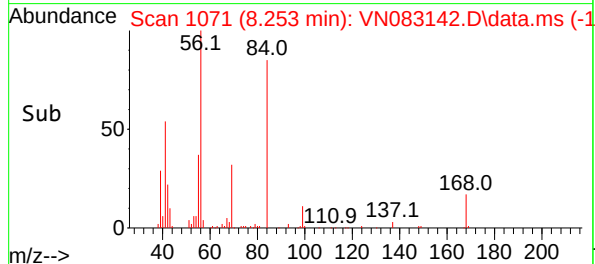
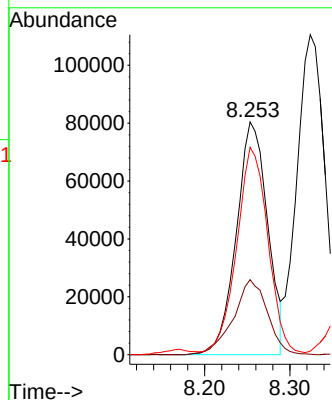
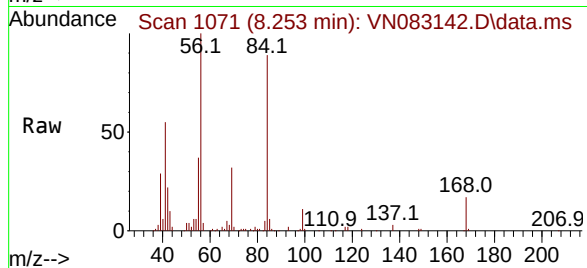
ICVVN080724

Tgt Ion:	56	Resp:	205124
Ion Ratio	Lower	Upper	
56	100		
69	32.3	24.5	36.7
84	86.7	66.0	99.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#32

1,1,1-Trichloroethane

Concen: 47.135 ug/l

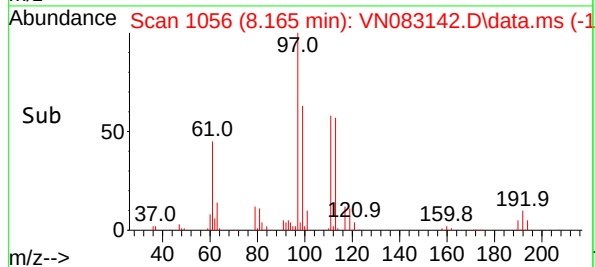
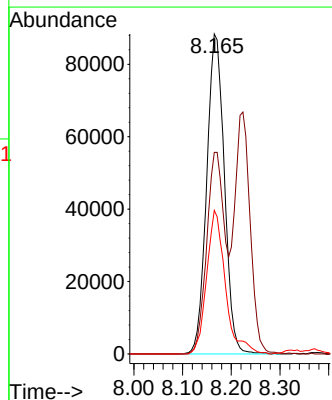
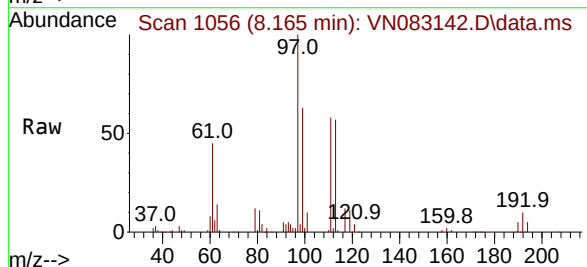
RT: 8.165 min Scan# 1056

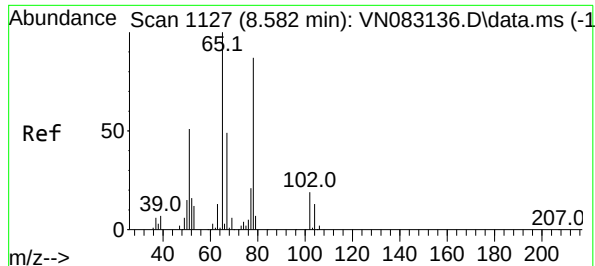
Delta R.T. -0.006 min

Lab File: VN083142.D

Acq: 07 Aug 2024 14:49

Tgt Ion:	97	Resp:	222538
Ion Ratio	Lower	Upper	
97	100		
99	64.0	52.0	78.0
61	47.5	42.1	63.1





#33

1,2-Dichloroethane-d4

Concen: 50.583 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VN083142.D

Acq: 07 Aug 2024 14:49

Instrument :

MSVOA_N

ClientSampleId :

ICVVN080724

Tgt Ion: 65 Resp: 16105

Ion Ratio Lower Upper

65 100

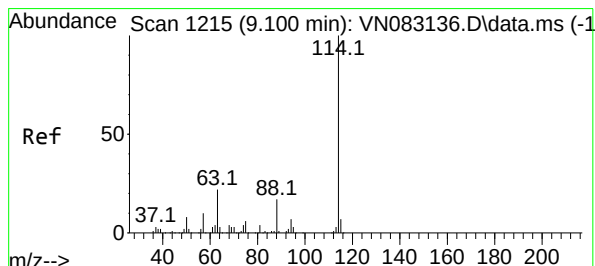
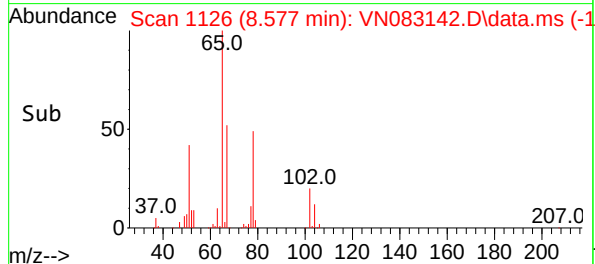
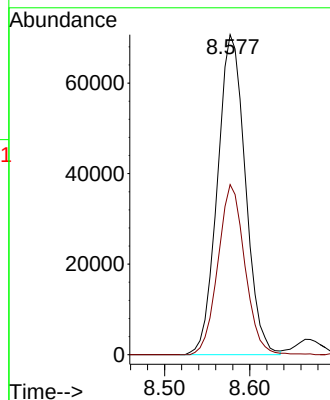
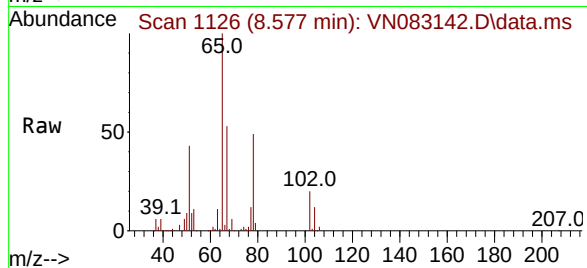
67 51.3 0.0 104.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN083142.D

Acq: 07 Aug 2024 14:49

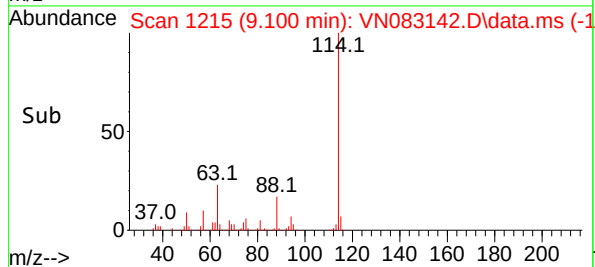
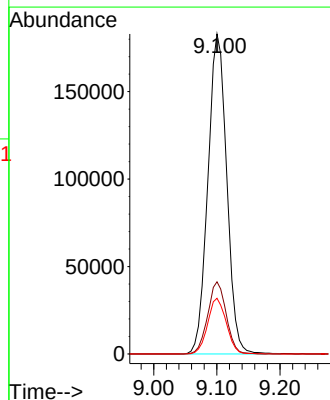
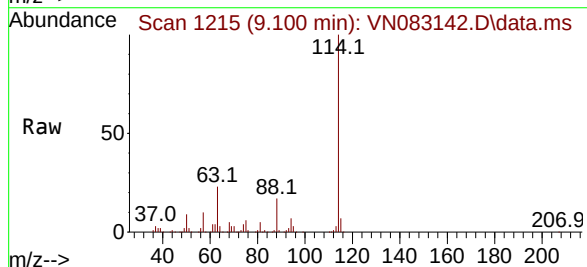
Tgt Ion:114 Resp: 380000

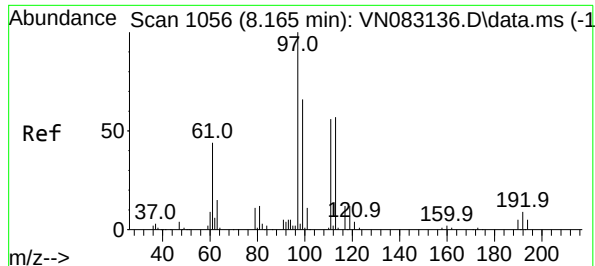
Ion Ratio Lower Upper

114 100

63 22.6 0.0 44.6

88 17.4 0.0 31.4





#35

Dibromofluoromethane

Concen: 51.549 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN083142.D

Acq: 07 Aug 2024 14:49

Instrument :

MSVOA_N

ClientSampleId :

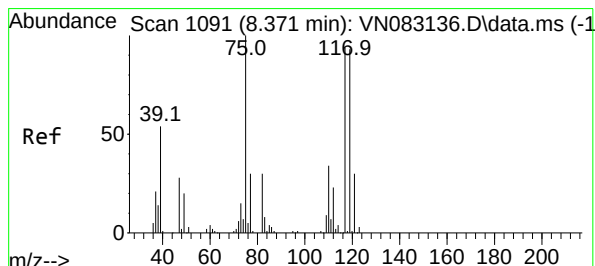
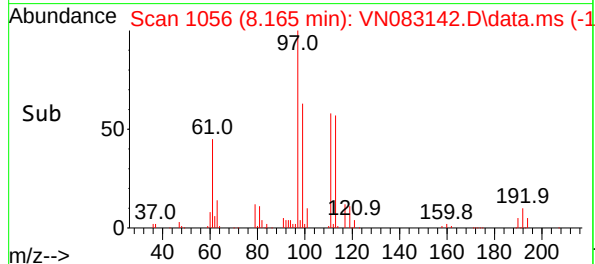
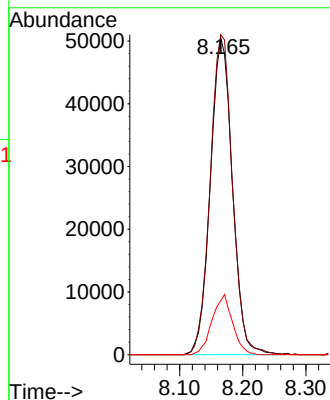
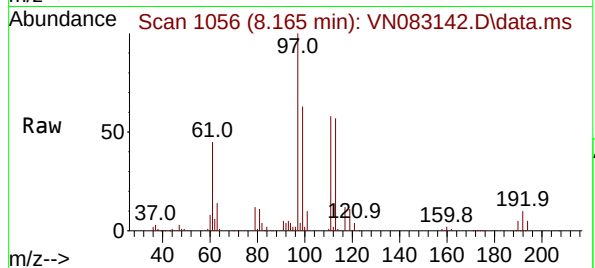
ICVVN080724

Tgt Ion:	113	Resp:	12226
Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.4	123.6
192	17.6	14.9	22.3

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#36

1,1-Dichloropropene

Concen: 47.732 ug/l

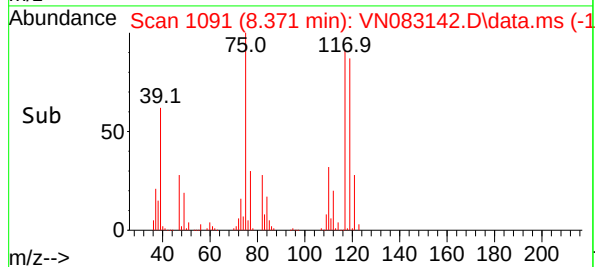
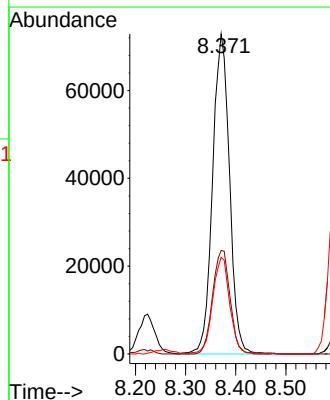
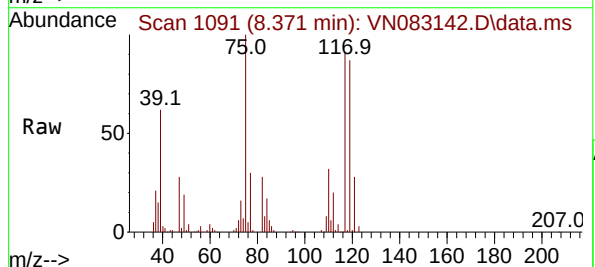
RT: 8.371 min Scan# 1091

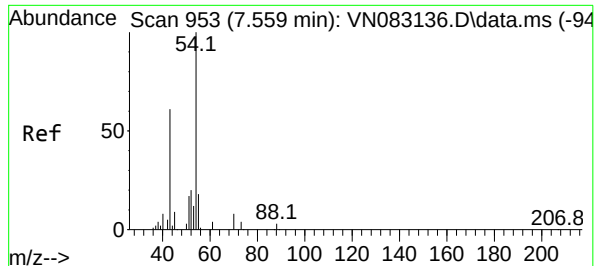
Delta R.T. 0.000 min

Lab File: VN083142.D

Acq: 07 Aug 2024 14:49

Tgt Ion:	75	Resp:	171262
Ion	Ratio	Lower	Upper
75	100		
110	33.2	16.3	48.9
77	30.5	24.6	37.0





#37

Ethyl Acetate

Concen: 43.124 ug/l

RT: 7.559 min Scan# 91

Delta R.T. 0.000 min

Lab File: VN083142.D

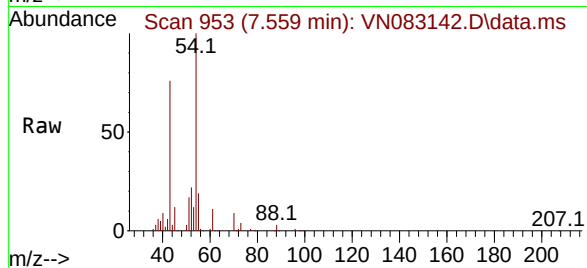
Acq: 07 Aug 2024 14:49

Instrument :

MSVOA_N

ClientSampleId :

ICVVN080724

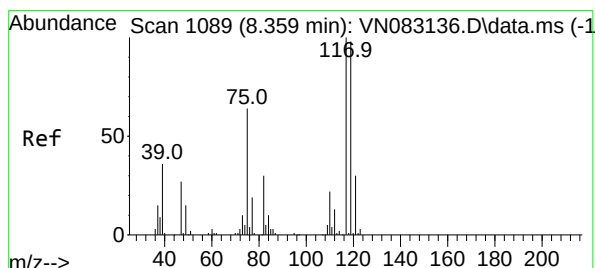
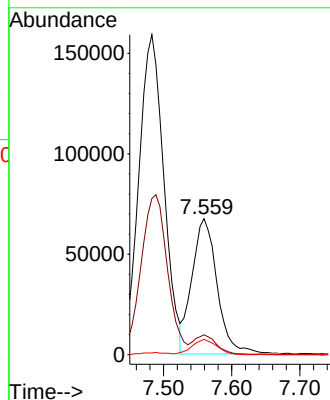
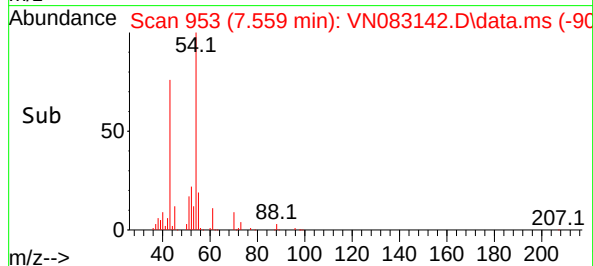


Tgt Ion:	43	Resp:	173240
Ion	Ratio	Lower	Upper
43	100		
61	12.9	9.3	13.9
70	11.0	7.0	10.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#38

Carbon Tetrachloride

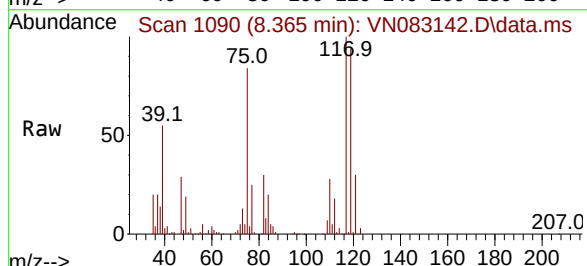
Concen: 47.904 ug/l

RT: 8.365 min Scan# 1090

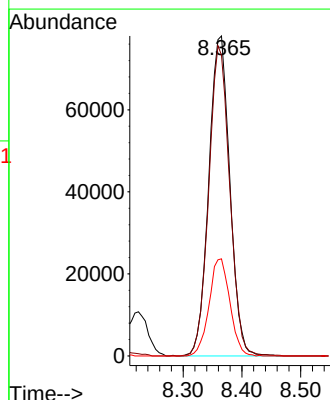
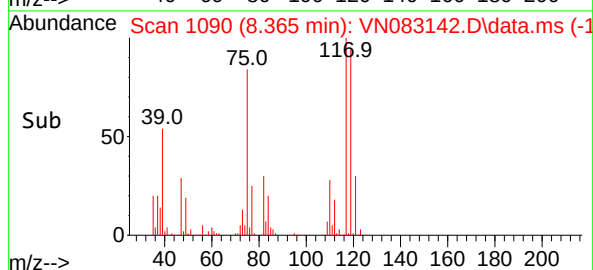
Delta R.T. 0.006 min

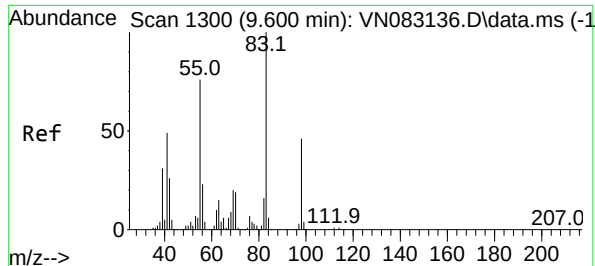
Lab File: VN083142.D

Acq: 07 Aug 2024 14:49



Tgt Ion:	117	Resp:	193592
Ion	Ratio	Lower	Upper
117	100		
119	94.0	74.9	112.3
121	30.3	24.3	36.5





#39

Methylcyclohexane

Concen: 47.821 ug/l

RT: 9.600 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VN083142.D

Acq: 07 Aug 2024 14:49

Instrument :

MSVOA_N

ClientSampleId :

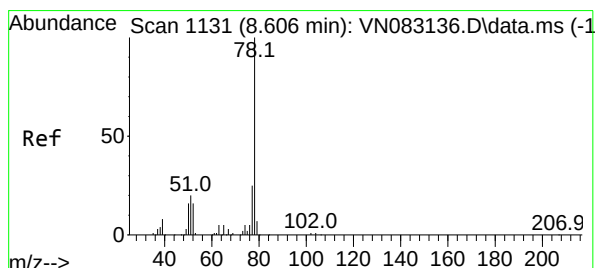
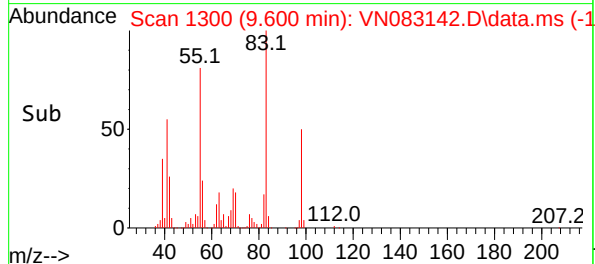
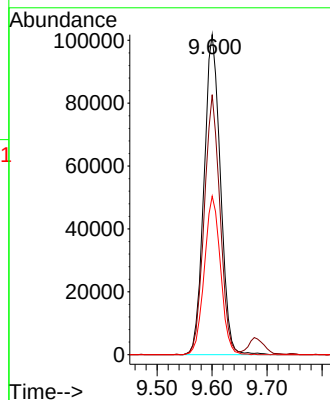
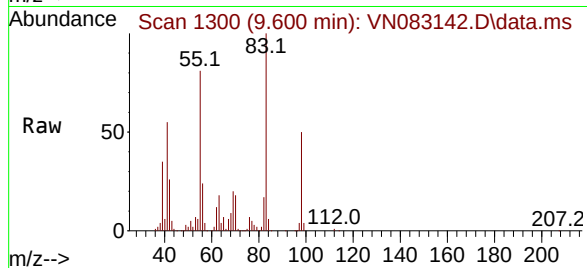
ICVVN080724

Tgt Ion:	83	Resp:	21074
Ion Ratio	Lower	Upper	
83	100		
55	81.3	66.4	99.6
98	49.5	40.7	61.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#40

Benzene

Concen: 47.635 ug/l

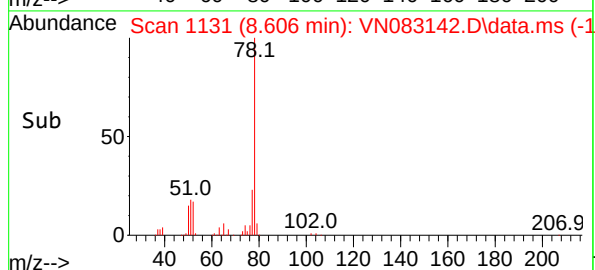
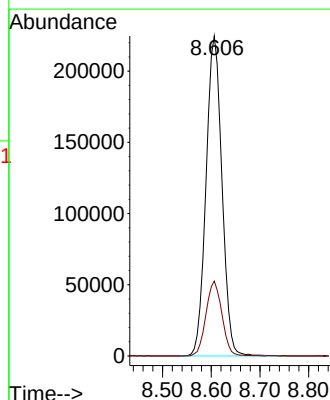
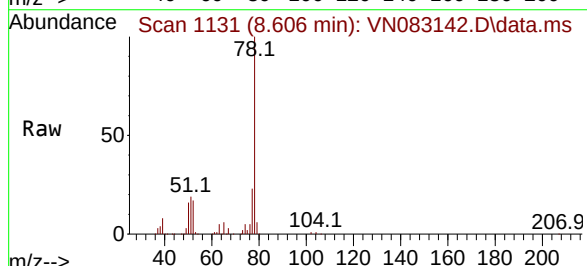
RT: 8.606 min Scan# 1131

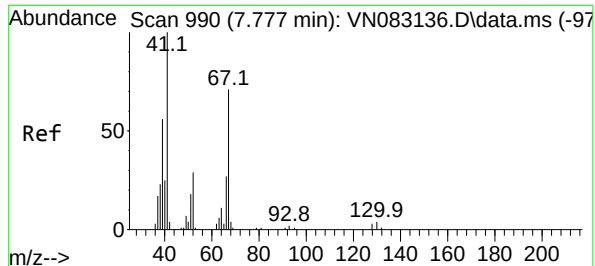
Delta R.T. 0.000 min

Lab File: VN083142.D

Acq: 07 Aug 2024 14:49

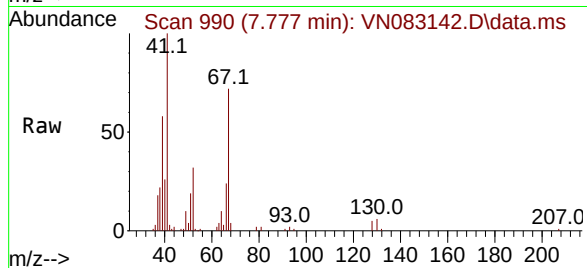
Tgt Ion:	78	Resp:	509159
Ion Ratio	Lower	Upper	
78	100		
77	23.4	19.0	28.4





#41
Methacrylonitrile
Concen: 43.013 ug/l
RT: 7.777 min Scan# 990
Delta R.T. 0.000 min
Lab File: VN083142.D
Acq: 07 Aug 2024 14:49

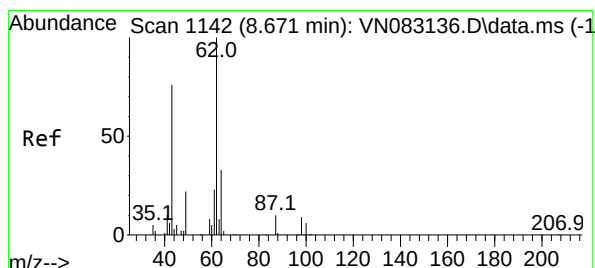
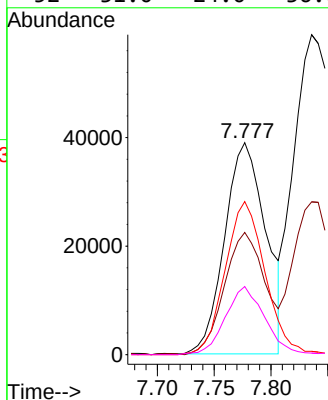
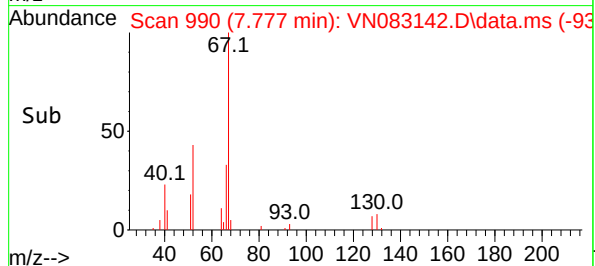
Instrument :
MSVOA_N
ClientSampleId :
ICVVN080724



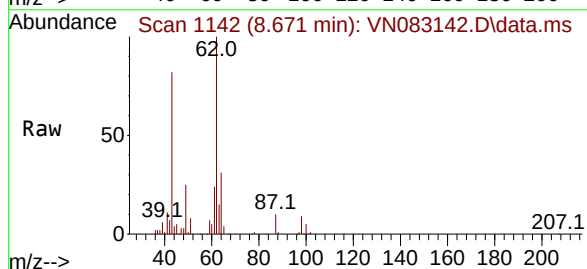
Tgt Ion: 41 Resp: 9825
Ion Ratio Lower Upper
41 100
39 57.7 45.5 68.3
67 70.8 50.5 75.7
52 31.0 24.0 36.0

Manual Integrations
APPROVED

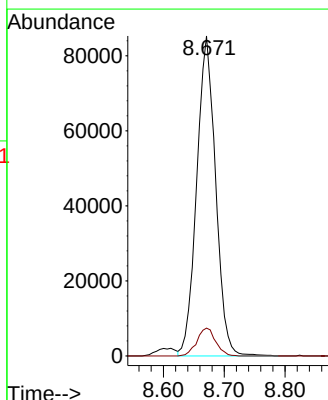
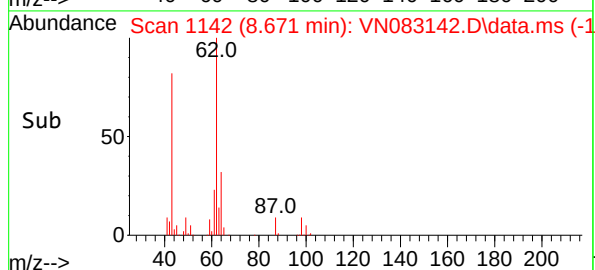
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024

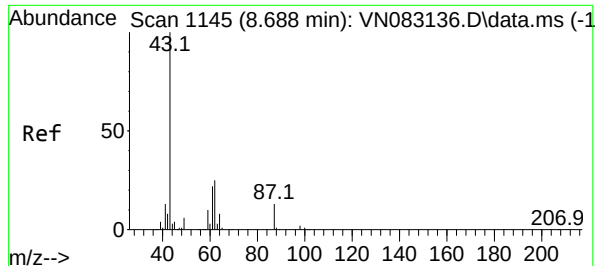


#42
1,2-Dichloroethane
Concen: 47.310 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VN083142.D
Acq: 07 Aug 2024 14:49



Tgt Ion: 62 Resp: 184210
Ion Ratio Lower Upper
62 100
98 8.6 0.0 15.8





#43

Isopropyl Acetate

Concen: 45.577 ug/l

RT: 8.689 min Scan# 1145

Delta R.T. 0.001 min

Lab File: VN083142.D

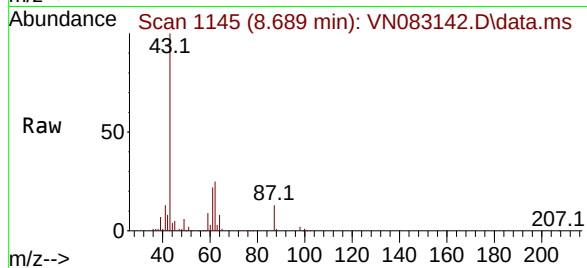
Acq: 07 Aug 2024 14:49

Instrument :

MSVOA_N

ClientSampleId :

ICVVN080724



Tgt Ion: 43 Resp: 319540

Ion Ratio Lower Upper

43 100

61 24.3 17.8 26.6

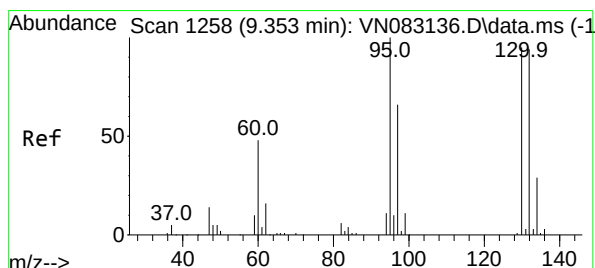
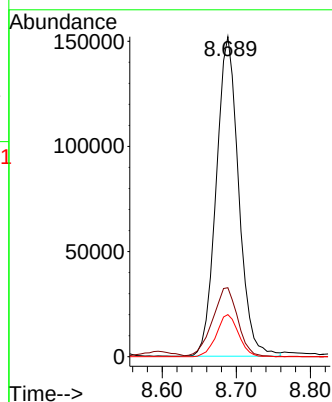
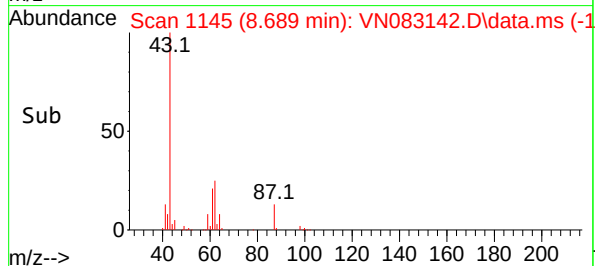
87 13.0 8.2 12.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#44

Trichloroethene

Concen: 47.994 ug/l

RT: 9.353 min Scan# 1258

Delta R.T. 0.000 min

Lab File: VN083142.D

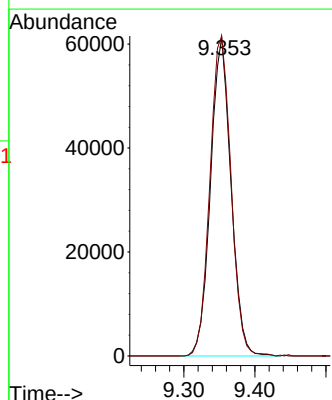
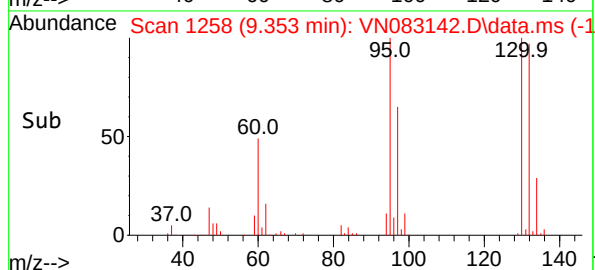
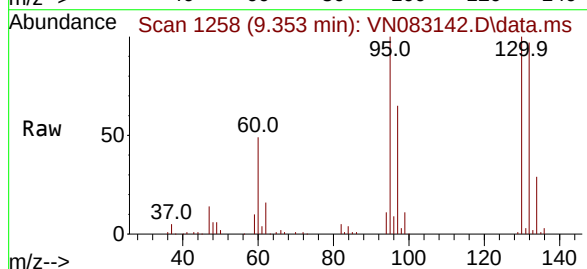
Acq: 07 Aug 2024 14:49

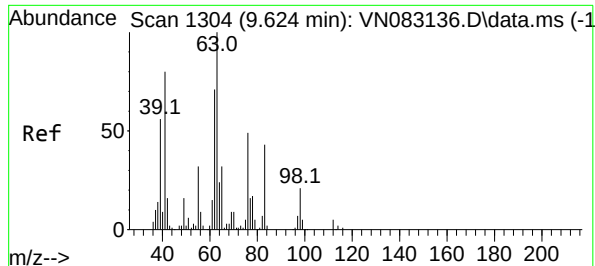
Tgt Ion:130 Resp: 122105

Ion Ratio Lower Upper

130 100

95 100.4 0.0 197.8





#45

1,2-Dichloropropane

Concen: 48.208 ug/l

RT: 9.624 min Scan# 1304

Delta R.T. 0.000 min

Lab File: VN083142.D

Acq: 07 Aug 2024 14:49

Instrument :

MSVOA_N

ClientSampleId :

ICVNVN080724

Tgt Ion: 63 Resp: 12231

Ion Ratio Lower Upper

63 100

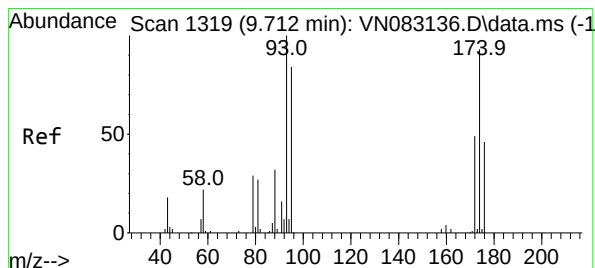
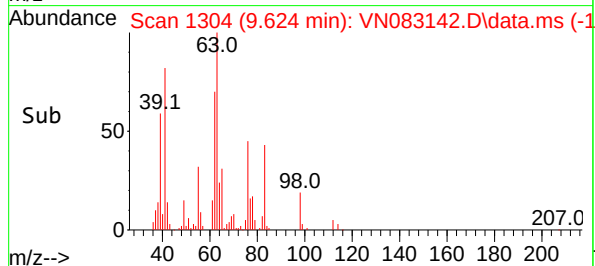
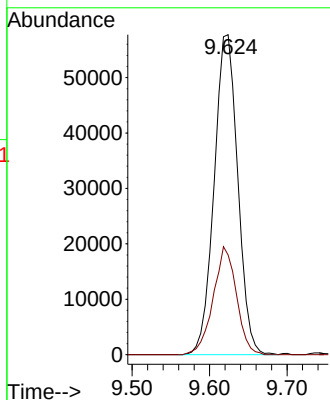
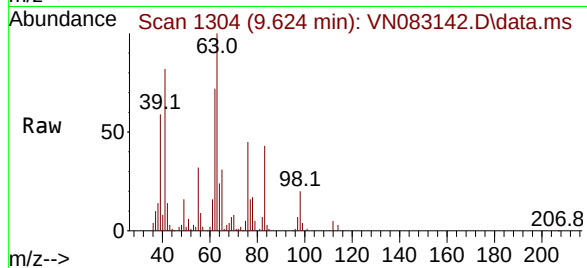
65 31.2 24.4 36.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#46

Dibromomethane

Concen: 47.124 ug/l

RT: 9.712 min Scan# 1319

Delta R.T. 0.000 min

Lab File: VN083142.D

Acq: 07 Aug 2024 14:49

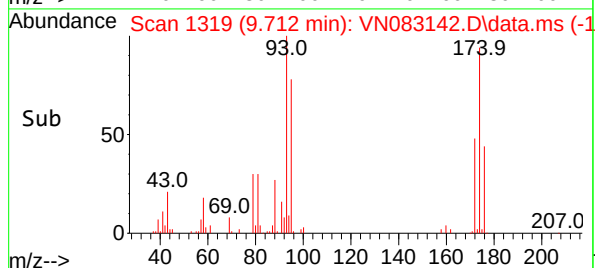
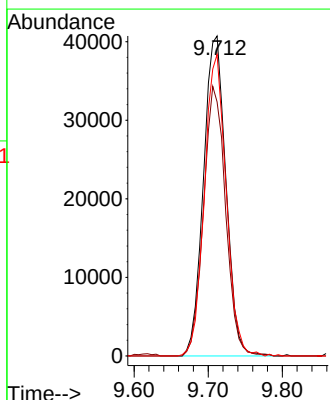
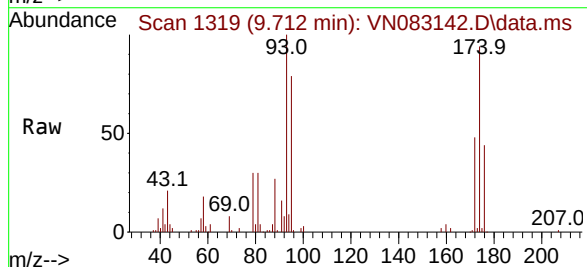
Tgt Ion: 93 Resp: 85581

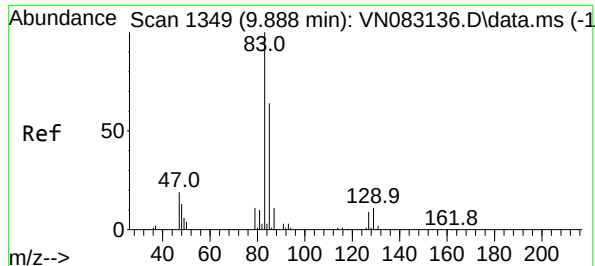
Ion Ratio Lower Upper

93 100

95 83.0 65.8 98.6

174 91.4 71.7 107.5





#47

Bromodichloromethane

Concen: 47.047 ug/l

RT: 9.888 min Scan# 1349

Delta R.T. 0.000 min

Lab File: VN083142.D

Acq: 07 Aug 2024 14:49

Instrument :

MSVOA_N

ClientSampleId :

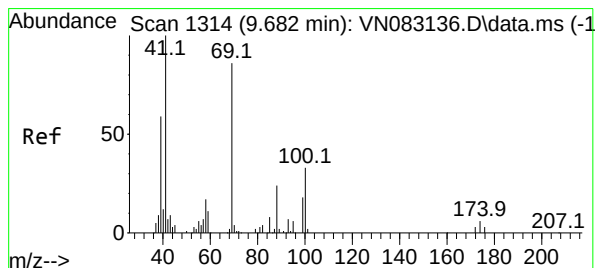
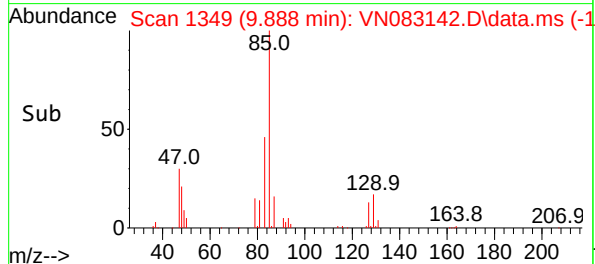
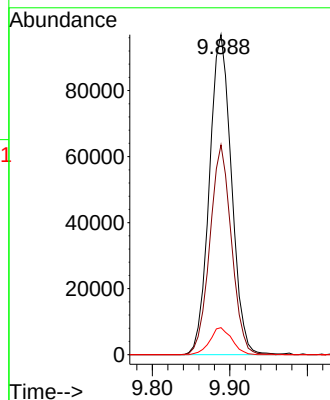
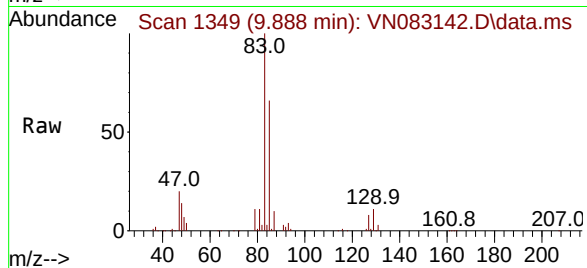
ICVVN080724

Tgt Ion:	83	Resp:	19184
Ion	Ratio	Lower	Upper
83	100		
85	65.5	51.1	76.7
127	8.5	7.2	10.8

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#48

Methyl methacrylate

Concen: 44.609 ug/l

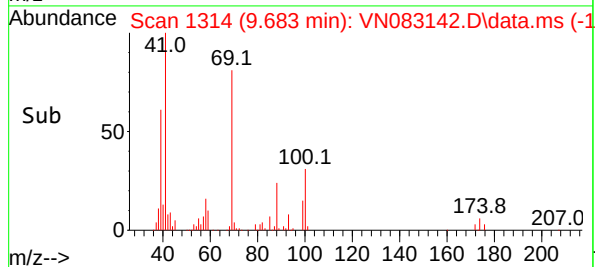
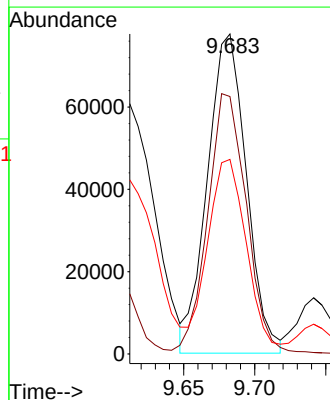
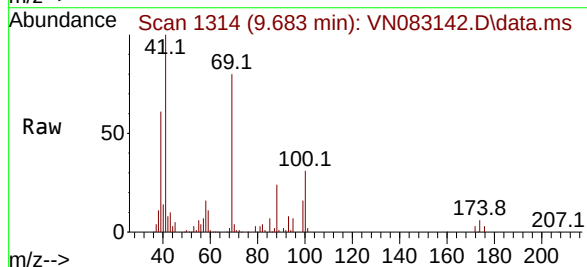
RT: 9.683 min Scan# 1314

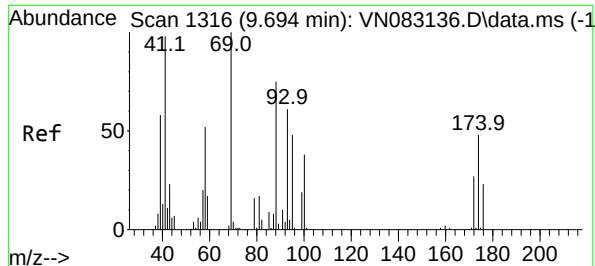
Delta R.T. 0.000 min

Lab File: VN083142.D

Acq: 07 Aug 2024 14:49

Tgt Ion:	41	Resp:	148161
Ion	Ratio	Lower	Upper
41	100		
69	81.0	56.3	84.5
39	60.7	50.3	75.5





#49

1,4-Dioxane

Concen: 885.211 ug/l

RT: 9.694 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN083142.D

Acq: 07 Aug 2024 14:49

Instrument :

MSVOA_N

ClientSampleId :

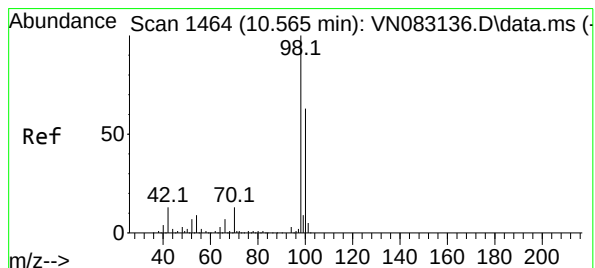
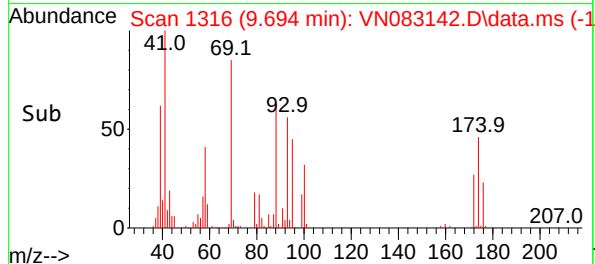
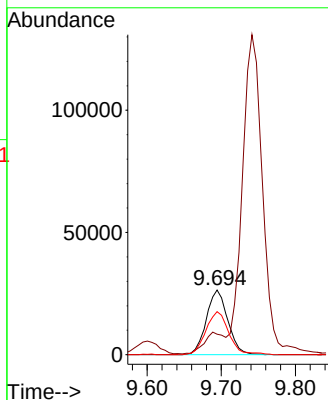
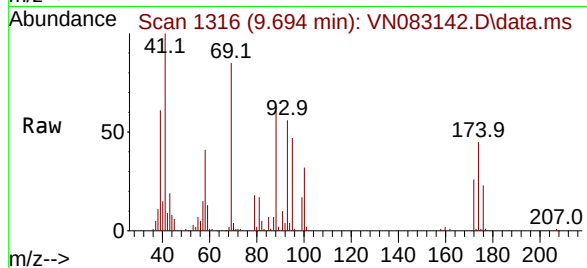
ICVVN080724

Tgt Ion:	88	Resp:	5304
Ion	Ratio	Lower	Upper
88	100		
43	32.0	27.8	41.8
58	71.4	59.4	89.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#50

Toluene-d8

Concen: 52.175 ug/l

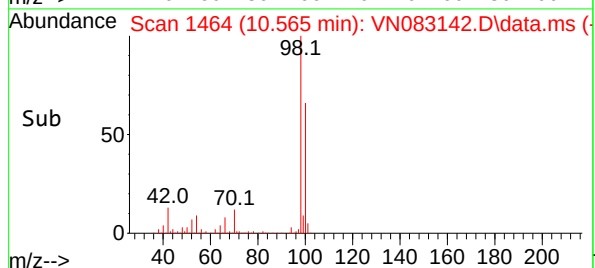
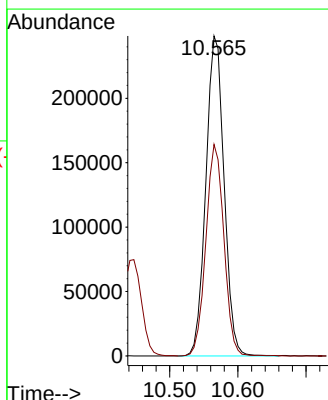
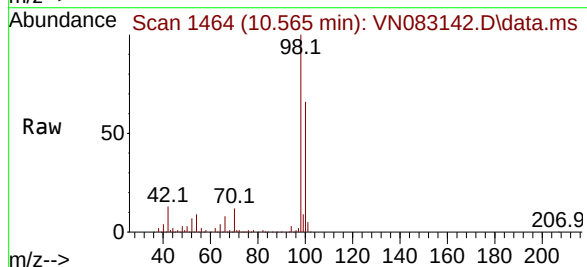
RT: 10.565 min Scan# 1464

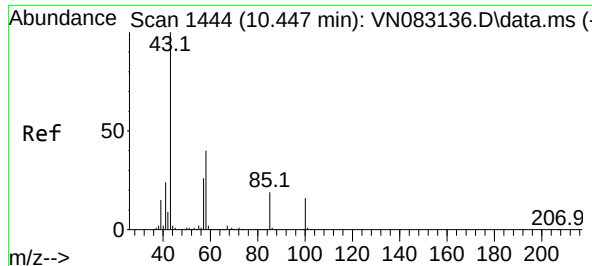
Delta R.T. 0.000 min

Lab File: VN083142.D

Acq: 07 Aug 2024 14:49

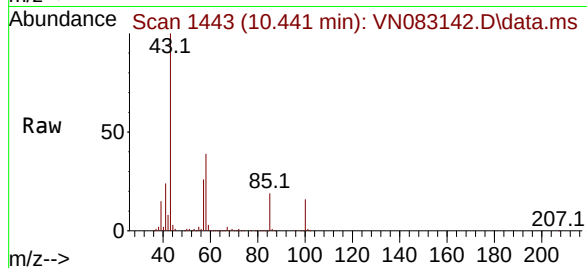
Tgt Ion:	98	Resp:	461627
Ion	Ratio	Lower	Upper
98	100		
100	65.5	51.5	77.3





#51
4-Methyl-2-Pentanone
Concen: 230.917 ug/l
RT: 10.441 min Scan# 1444
Delta R.T. -0.006 min
Lab File: VN083142.D
Acq: 07 Aug 2024 14:49

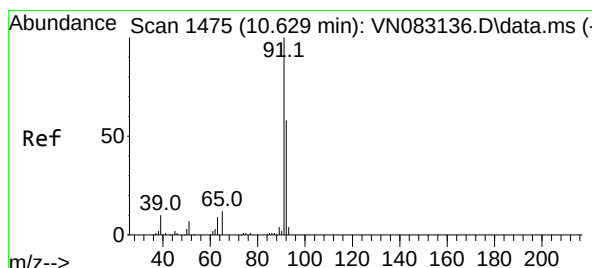
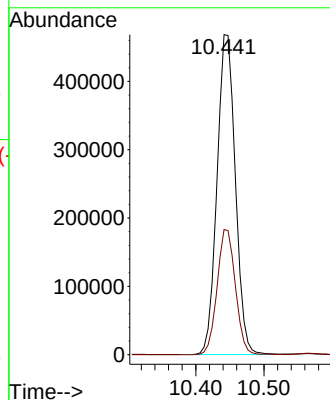
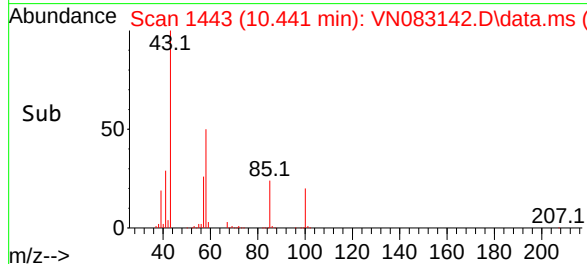
Instrument :
MSVOA_N
ClientSampleId :
ICVVN080724



Tgt Ion: 43 Resp: 877240
Ion Ratio Lower Upper
43 100
58 39.0 28.2 42.4

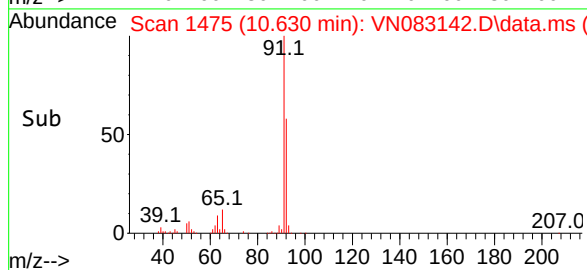
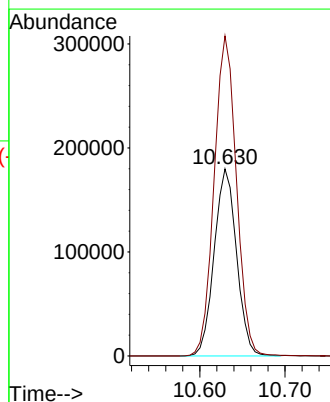
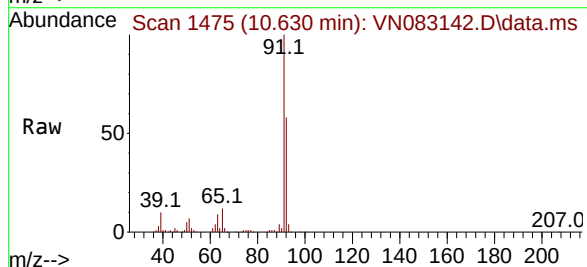
Manual Integrations
APPROVED

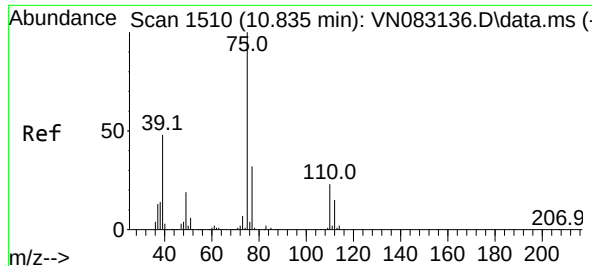
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#52
Toluene
Concen: 48.520 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN083142.D
Acq: 07 Aug 2024 14:49

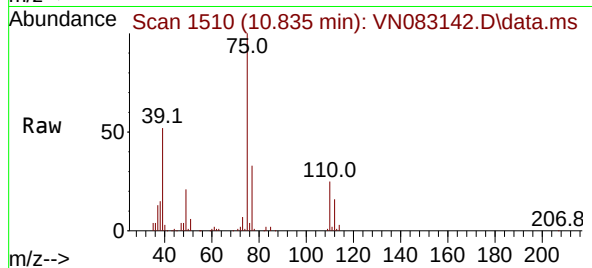
Tgt Ion: 92 Resp: 327682
Ion Ratio Lower Upper
92 100
91 170.9 139.4 209.0





#53
t-1,3-Dichloropropene
Concen: 49.776 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. 0.000 min
Lab File: VN083142.D
Acq: 07 Aug 2024 14:49

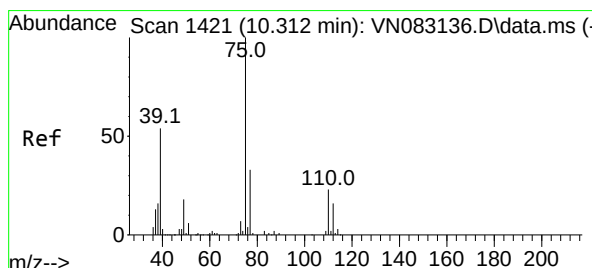
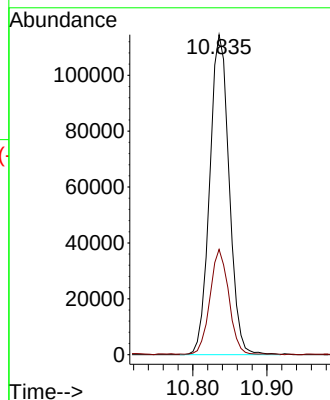
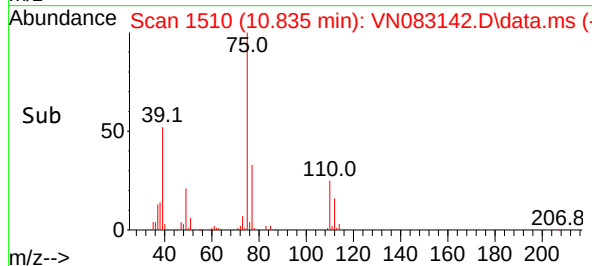
Instrument :
MSVOA_N
ClientSampleId :
ICVVN080724



Tgt Ion: 75 Resp: 20849
Ion Ratio Lower Upper
75 100
77 32.8 25.7 38.5

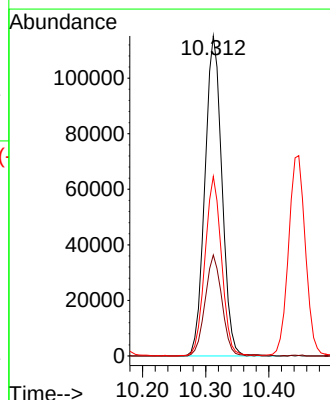
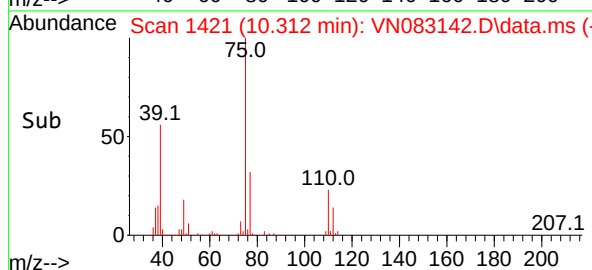
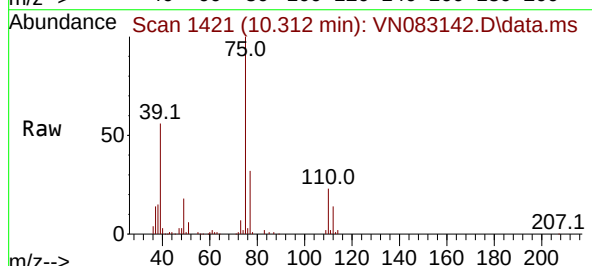
Manual Integrations
APPROVED

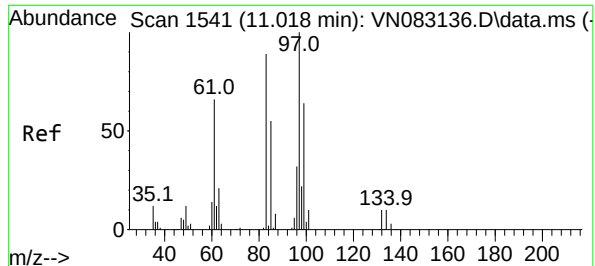
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#54
cis-1,3-Dichloropropene
Concen: 48.487 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.000 min
Lab File: VN083142.D
Acq: 07 Aug 2024 14:49

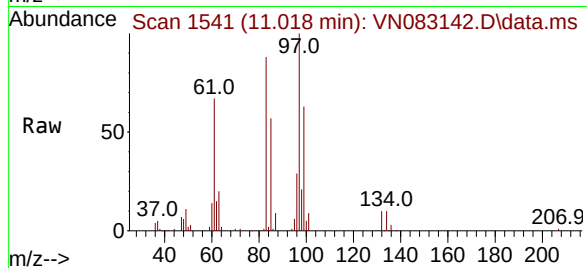
Tgt Ion: 75 Resp: 216020
Ion Ratio Lower Upper
75 100
77 31.6 24.3 36.5
39 56.0 50.5 75.7





#55
1,1,2-Trichloroethane
Concen: 48.351 ug/l
RT: 11.018 min Scan# 1541
Delta R.T. 0.000 min
Lab File: VN083142.D
Acq: 07 Aug 2024 14:49

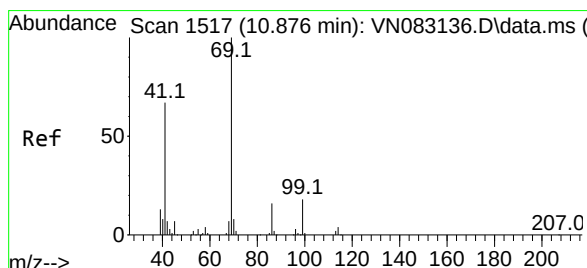
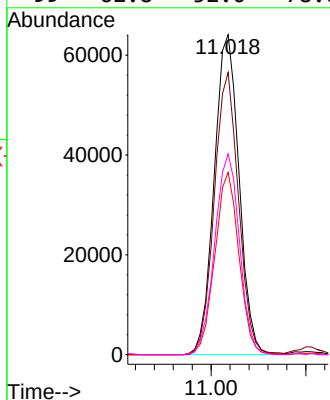
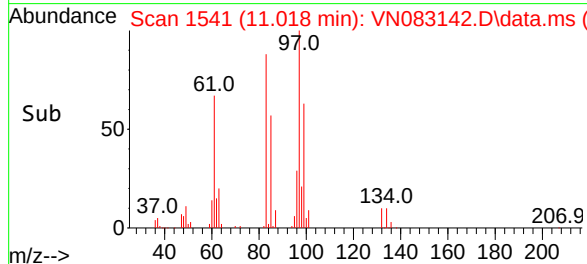
Instrument :
MSVOA_N
ClientSampleId :
ICVVN080724



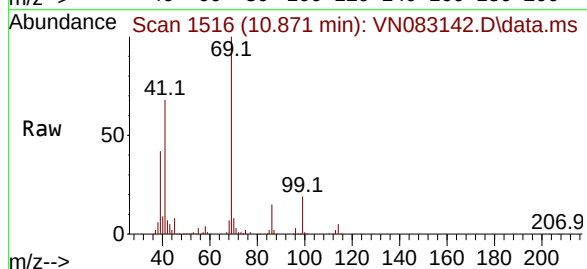
Tgt Ion: 97 Resp: 117023
Ion Ratio Lower Upper
97 100
83 88.2 71.4 107.0
85 57.0 45.8 68.6
99 62.8 52.0 78.0

Manual Integrations
APPROVED

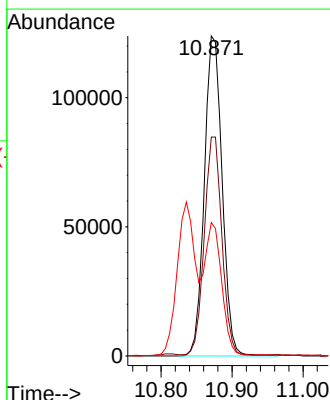
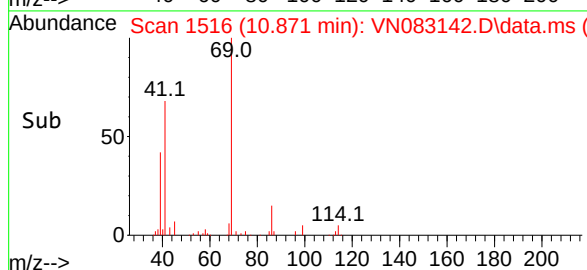
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024

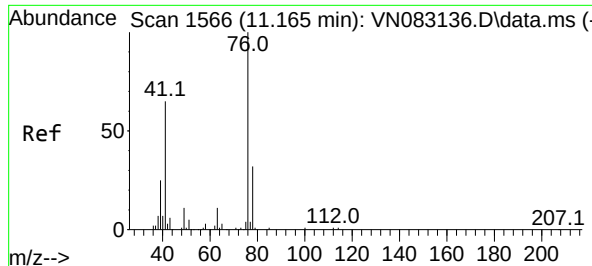


#56
Ethyl methacrylate
Concen: 47.395 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.006 min
Lab File: VN083142.D
Acq: 07 Aug 2024 14:49



Tgt Ion: 69 Resp: 216248
Ion Ratio Lower Upper
69 100
41 67.3 63.4 95.2
39 40.2 37.4 56.0





#57

1,3-Dichloropropane

Concen: 47.391 ug/l

RT: 11.165 min Scan# 1566

Delta R.T. 0.000 min

Lab File: VN083142.D

Acq: 07 Aug 2024 14:49

Instrument :

MSVOA_N

ClientSampleId :

ICVVN080724

Tgt Ion: 76 Resp: 20444

Ion Ratio Lower Upper

76 100

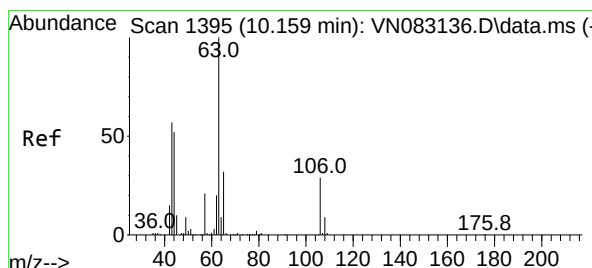
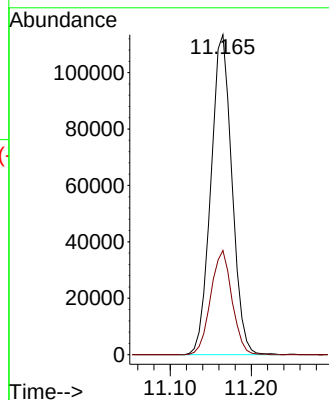
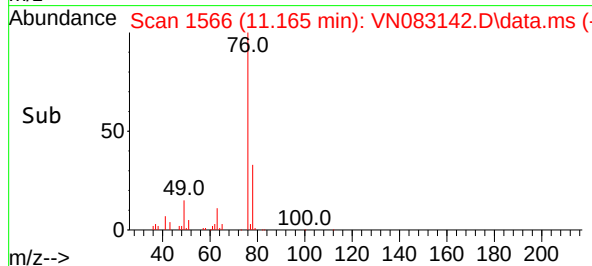
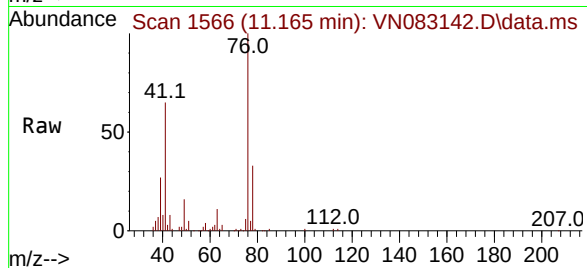
78 32.9 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#58

2-Chloroethyl Vinyl ether

Concen: 244.918 ug/l

RT: 10.159 min Scan# 1395

Delta R.T. 0.000 min

Lab File: VN083142.D

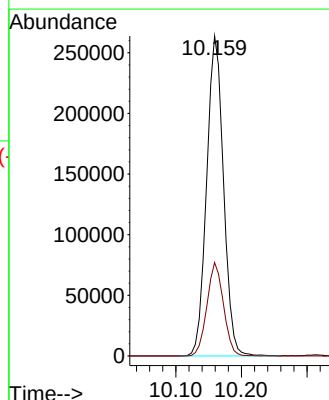
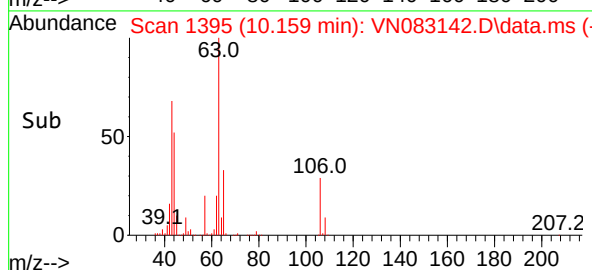
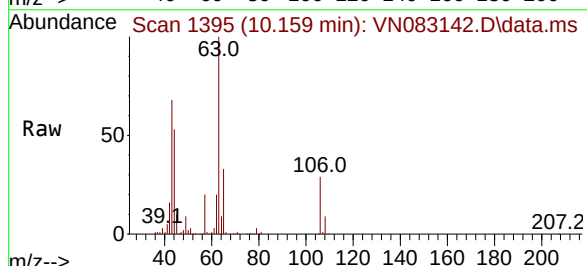
Acq: 07 Aug 2024 14:49

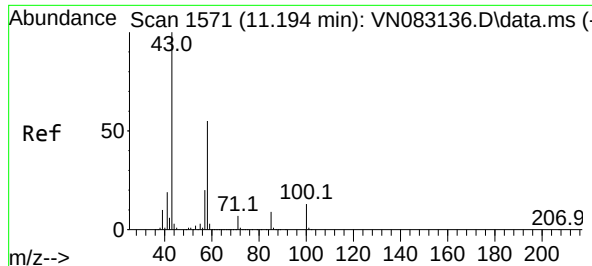
Tgt Ion: 63 Resp: 472357

Ion Ratio Lower Upper

63 100

106 28.6 21.4 32.0





#59

2-Hexanone

Concen: 224.916 ug/l

RT: 11.194 min Scan# 1571

Delta R.T. 0.000 min

Lab File: VN083142.D

Acq: 07 Aug 2024 14:49

Instrument :

MSVOA_N

ClientSampleId :

ICVVN080724

Tgt Ion: 43 Resp: 661033

Ion Ratio Lower Upper

43 100

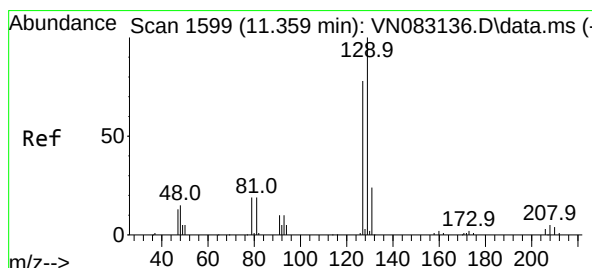
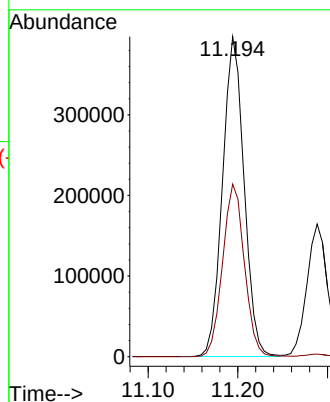
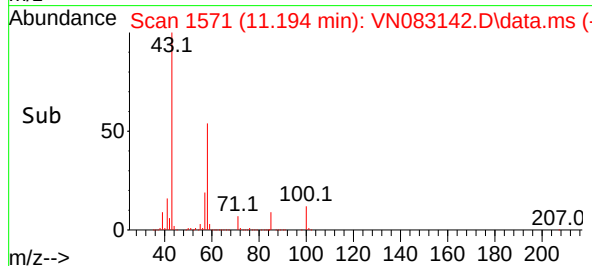
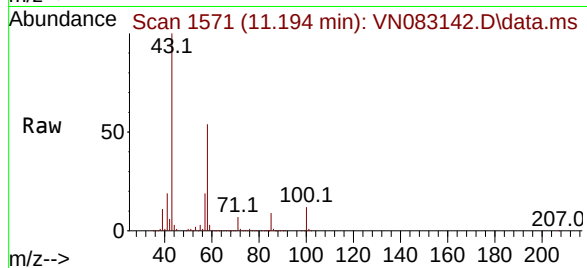
58 54.6 24.6 73.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#60

Dibromochloromethane

Concen: 49.513 ug/l

RT: 11.359 min Scan# 1599

Delta R.T. 0.000 min

Lab File: VN083142.D

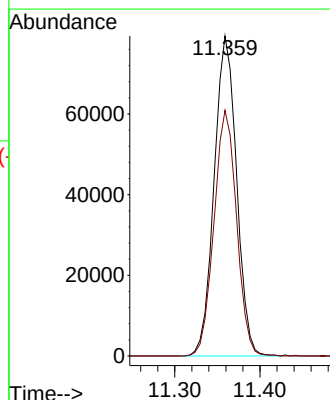
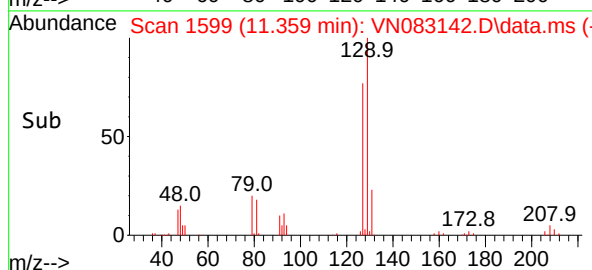
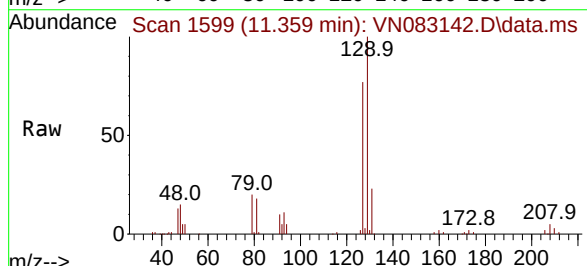
Acq: 07 Aug 2024 14:49

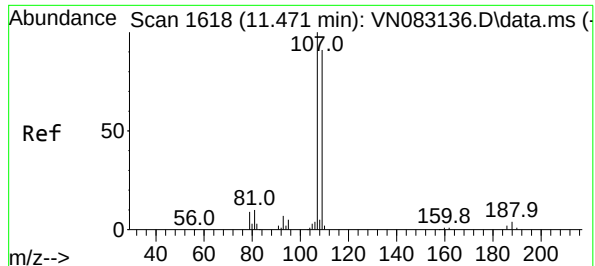
Tgt Ion:129 Resp: 144886

Ion Ratio Lower Upper

129 100

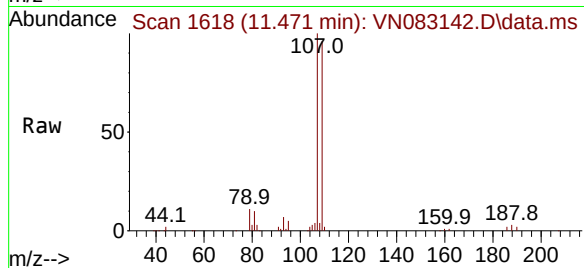
127 77.3 39.2 117.6





#61
1,2-Dibromoethane
Concen: 47.133 ug/l
RT: 11.471 min Scan# 119834
Delta R.T. 0.000 min
Lab File: VN083142.D
Acq: 07 Aug 2024 14:49

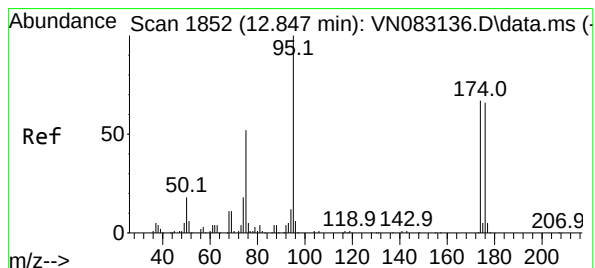
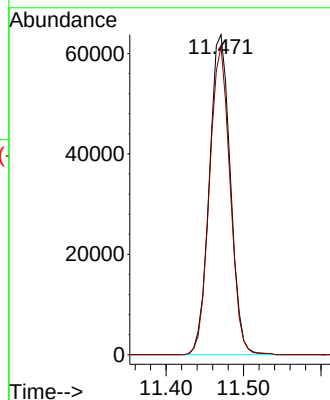
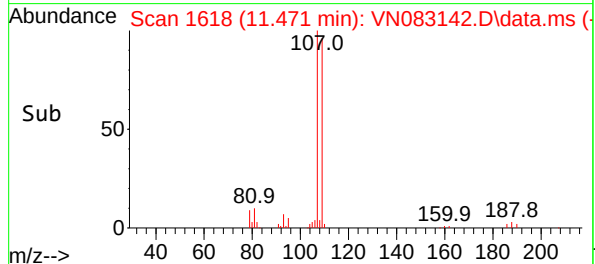
Instrument :
MSVOA_N
ClientSampleId :
ICVVN080724



Tgt Ion:107 Resp: 119834
Ion Ratio Lower Upper
107 100
109 94.5 73.7 110.5

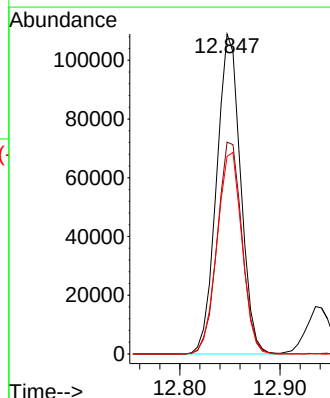
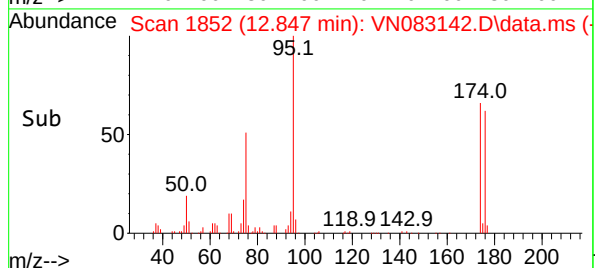
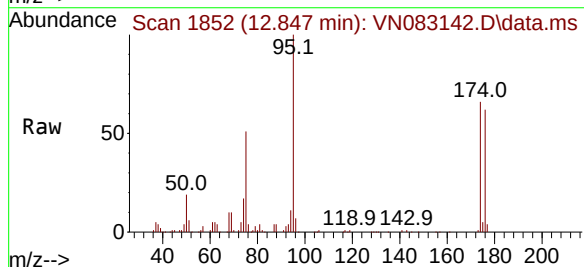
Manual Integrations
APPROVED

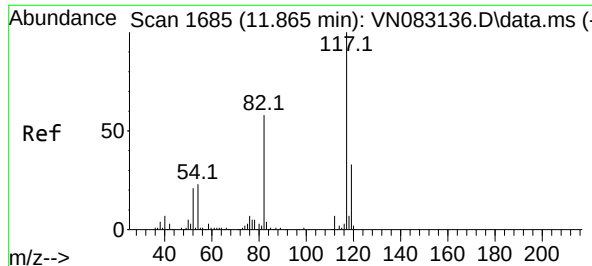
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#62
4-Bromofluorobenzene
Concen: 52.574 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN083142.D
Acq: 07 Aug 2024 14:49

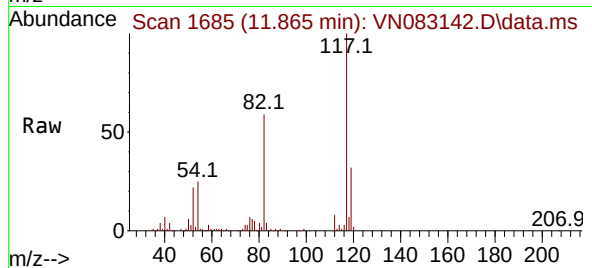
Tgt Ion: 95 Resp: 181344
Ion Ratio Lower Upper
95 100
174 68.0 0.0 159.2
176 65.5 0.0 147.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN083142.D
Acq: 07 Aug 2024 14:49

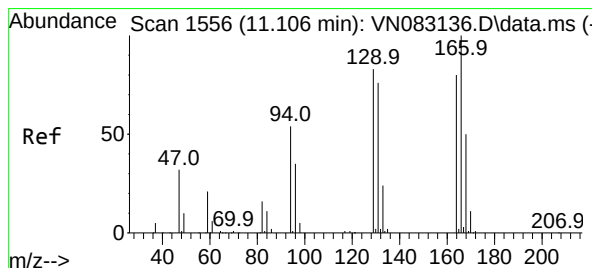
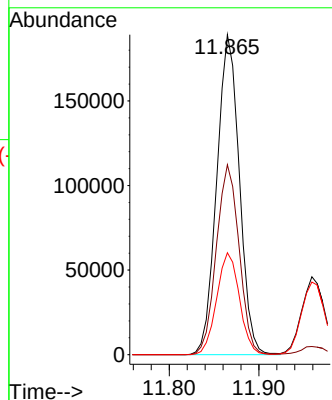
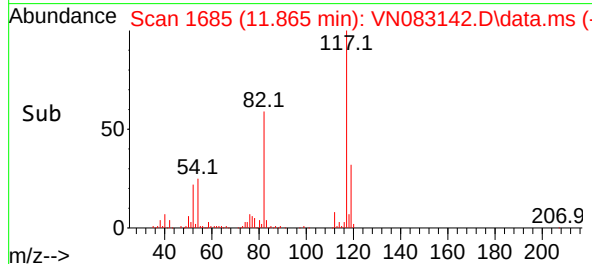
Instrument :
MSVOA_N
ClientSampleId :
ICVVN080724



Tgt Ion:117 Resp: 33095
Ion Ratio Lower Upper
117 100
82 59.4 47.5 71.3
119 31.9 25.6 38.4

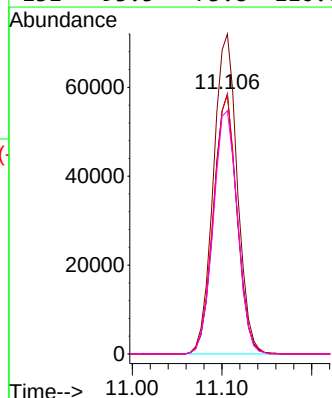
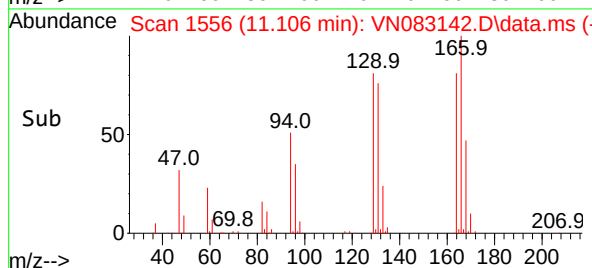
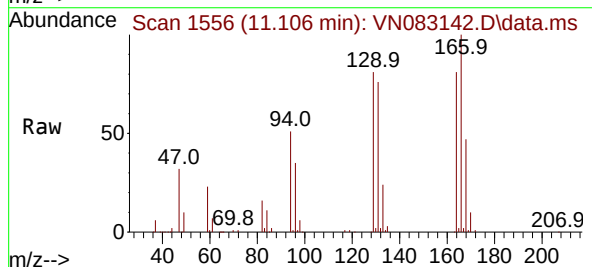
Manual Integrations
APPROVED

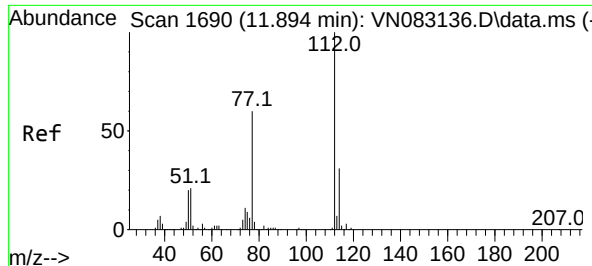
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#64
Tetrachloroethene
Concen: 48.175 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. 0.000 min
Lab File: VN083142.D
Acq: 07 Aug 2024 14:49

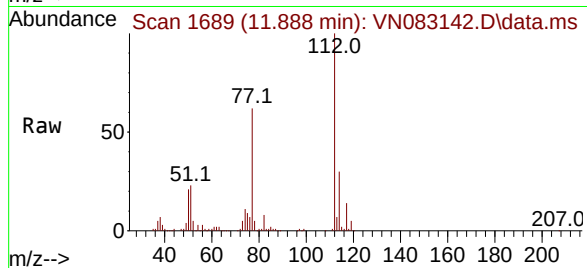
Tgt Ion:164 Resp: 105591
Ion Ratio Lower Upper
164 100
166 123.0 101.4 152.0
129 99.7 75.7 113.5
131 93.5 73.8 110.6





#65
Chlorobenzene
Concen: 47.522 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. -0.006 min
Lab File: VN083142.D
Acq: 07 Aug 2024 14:49

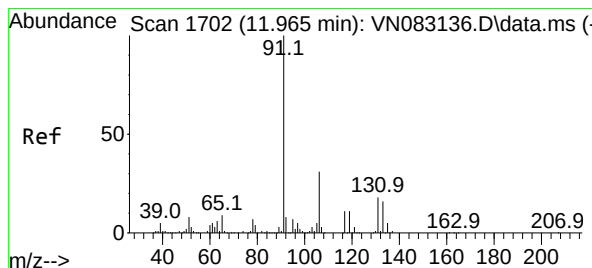
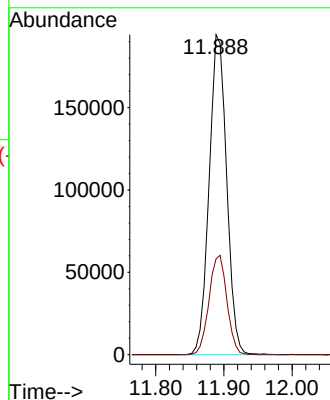
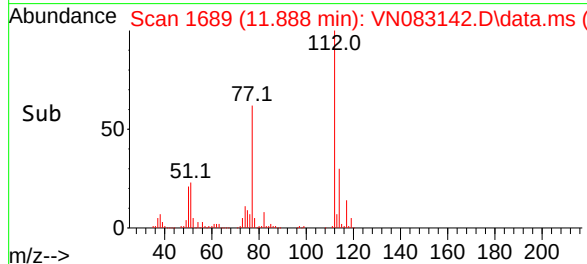
Instrument :
MSVOA_N
ClientSampleId :
ICVVN080724



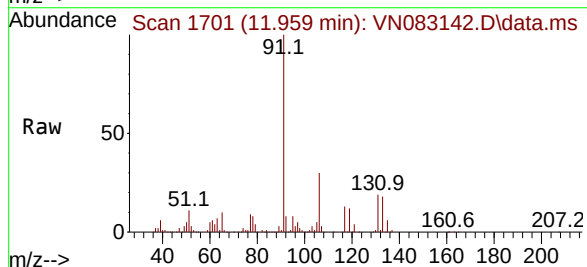
Tgt Ion:112 Resp: 347560
Ion Ratio Lower Upper
112 100
114 29.9 26.2 39.2

Manual Integrations
APPROVED

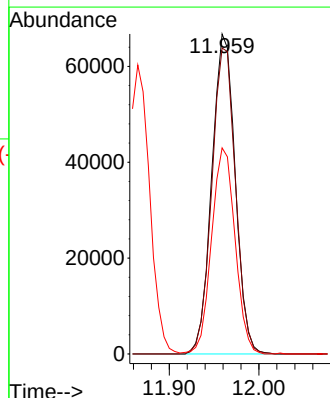
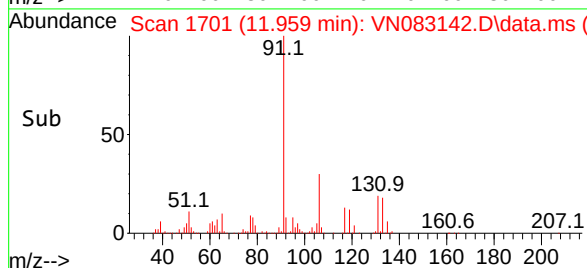
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024

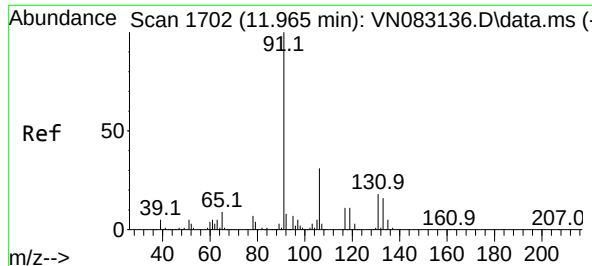


#66
1,1,1,2-Tetrachloroethane
Concen: 46.843 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.006 min
Lab File: VN083142.D
Acq: 07 Aug 2024 14:49



Tgt Ion:131 Resp: 120826
Ion Ratio Lower Upper
131 100
133 97.1 47.3 142.0
119 64.8 32.5 97.4





#67

Ethyl Benzene

Concen: 47.764 ug/l

RT: 11.965 min Scan# 1702

Delta R.T. 0.000 min

Lab File: VN083142.D

Acq: 07 Aug 2024 14:49

Instrument :

MSVOA_N

ClientSampleId :

ICVVN080724

Tgt Ion: 91 Resp: 64082

Ion Ratio Lower Upper

91 100

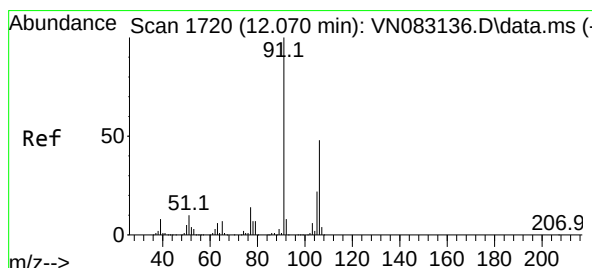
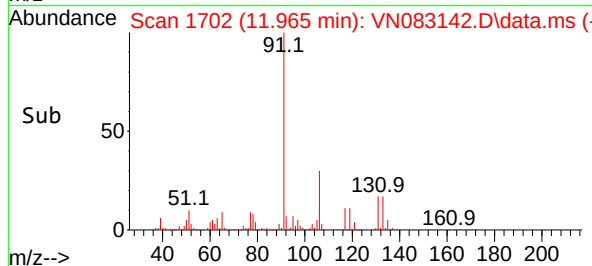
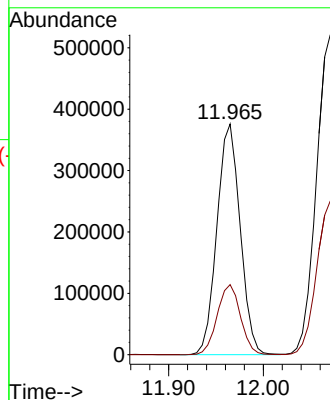
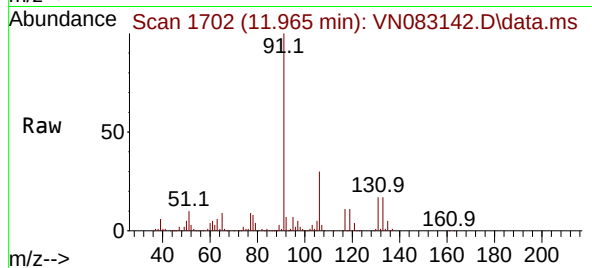
106 30.4 24.0 36.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#68

m/p-Xylenes

Concen: 96.434 ug/l

RT: 12.071 min Scan# 1720

Delta R.T. 0.000 min

Lab File: VN083142.D

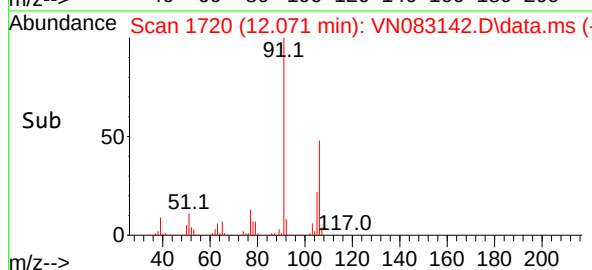
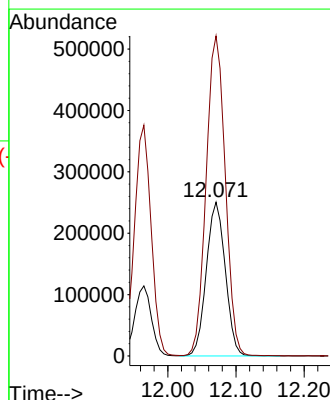
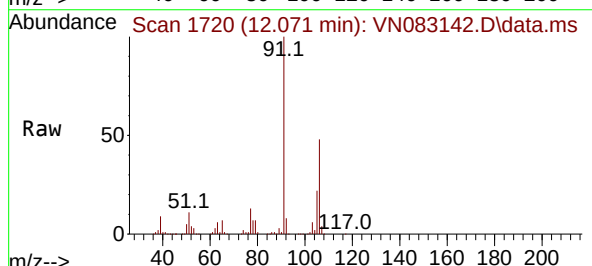
Acq: 07 Aug 2024 14:49

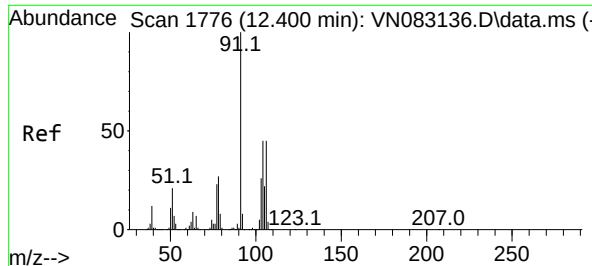
Tgt Ion:106 Resp: 484653

Ion Ratio Lower Upper

106 100

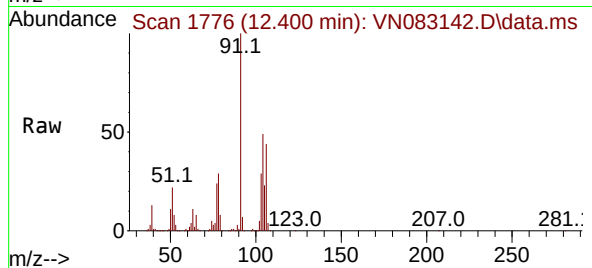
91 210.2 166.1 249.1





#69
o-Xylene
Concen: 46.662 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. 0.000 min
Lab File: VN083142.D
Acq: 07 Aug 2024 14:49

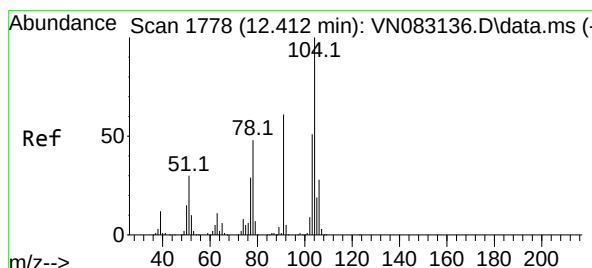
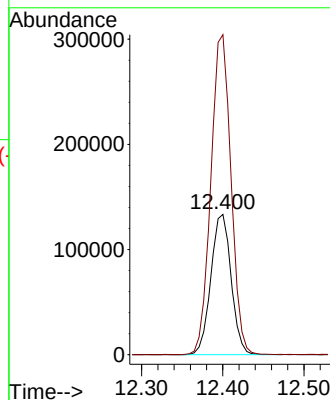
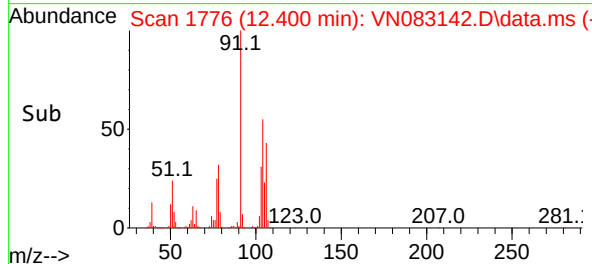
Instrument :
MSVOA_N
ClientSampleId :
ICVVN080724



Tgt Ion:106 Resp: 231292
Ion Ratio Lower Upper
106 100
91 227.0 111.3 333.9

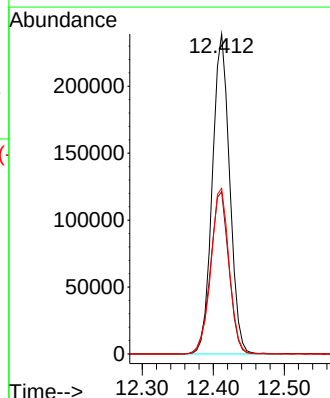
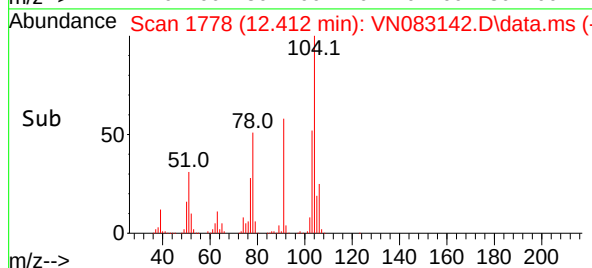
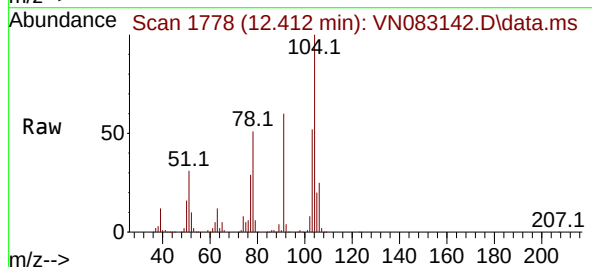
Manual Integrations
APPROVED

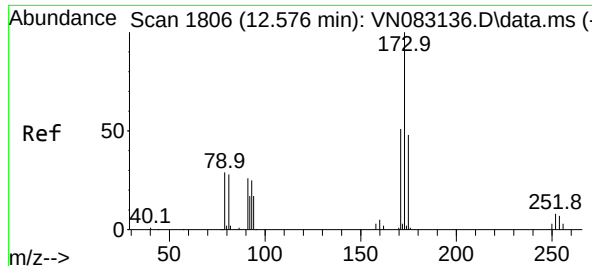
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#70
Styrene
Concen: 48.487 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VN083142.D
Acq: 07 Aug 2024 14:49

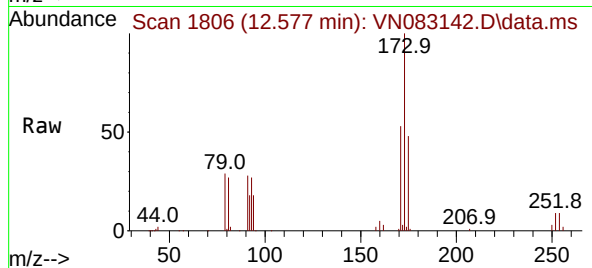
Tgt Ion:104 Resp: 403657
Ion Ratio Lower Upper
104 100
78 53.9 41.6 62.4
103 54.6 44.0 66.0





#71
Bromoform
Concen: 47.797 ug/l
RT: 12.577 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VN083142.D
Acq: 07 Aug 2024 14:49

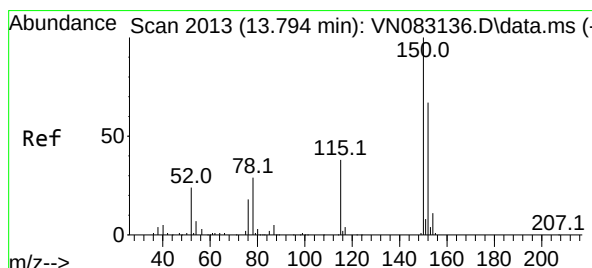
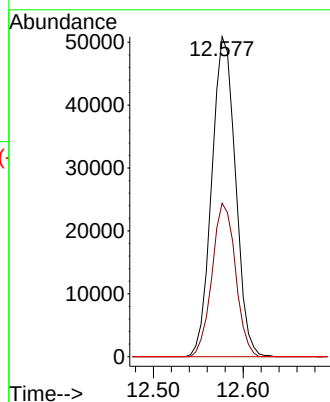
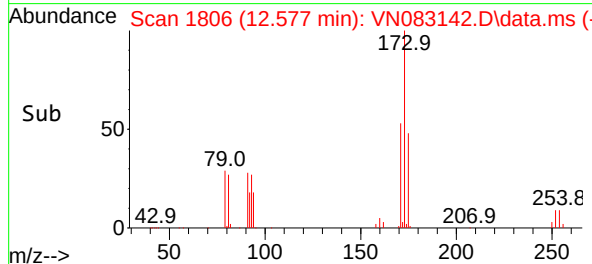
Instrument :
MSVOA_N
ClientSampleId :
ICVVN080724



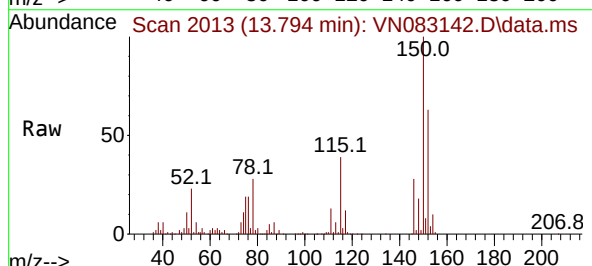
Tgt Ion:173 Resp: 9339
Ion Ratio Lower Upper
173 100
175 47.4 24.0 72.0
254 0.0 0.0 0.0

Manual Integrations
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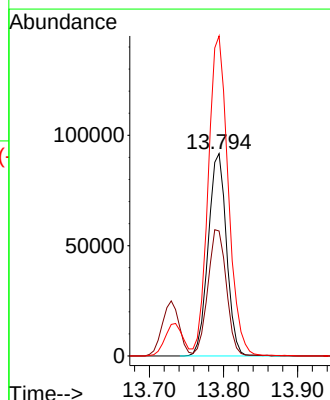
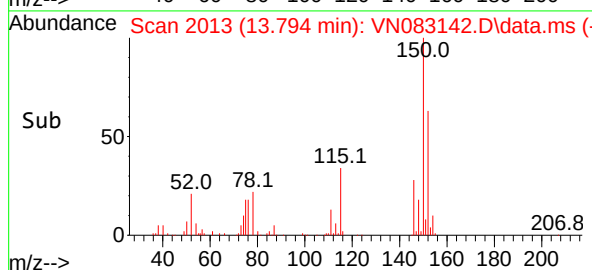
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024

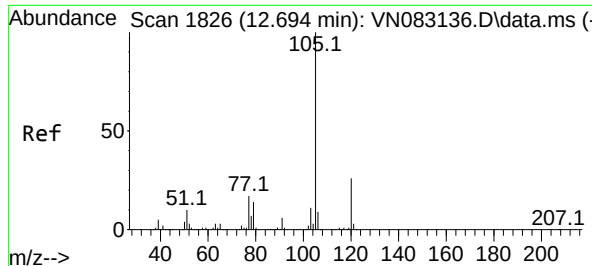


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN083142.D
Acq: 07 Aug 2024 14:49



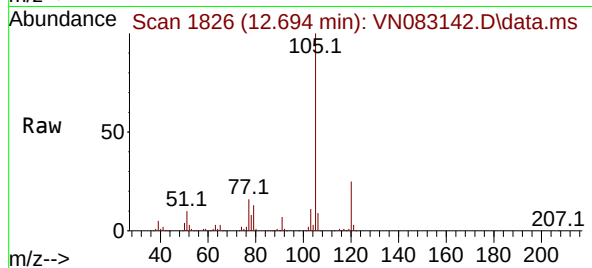
Tgt Ion:152 Resp: 157193
Ion Ratio Lower Upper
152 100
115 63.3 30.6 91.6
150 172.2 0.0 348.6





#73
Isopropylbenzene
Concen: 46.893 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN083142.D
Acq: 07 Aug 2024 14:49

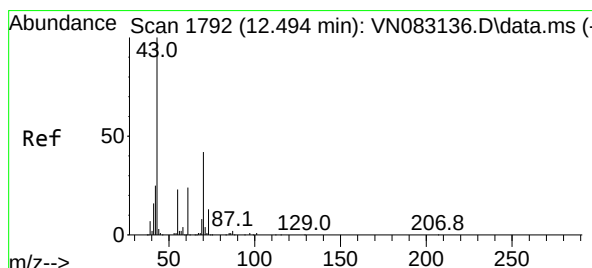
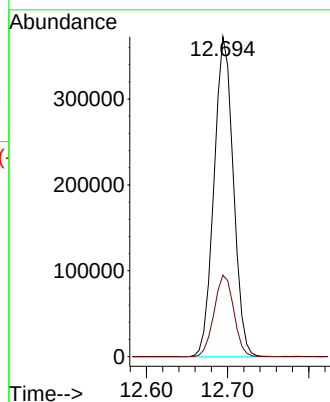
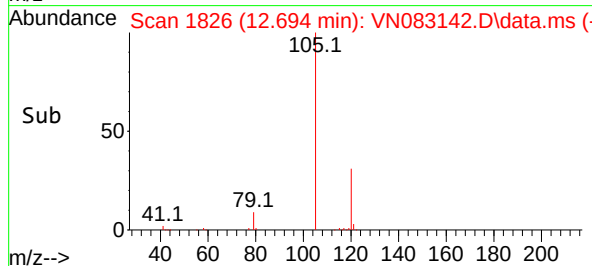
Instrument :
MSVOA_N
ClientSampleId :
ICVVN080724



Tgt Ion:105 Resp: 616544
Ion Ratio Lower Upper
105 100
120 26.0 12.9 38.6

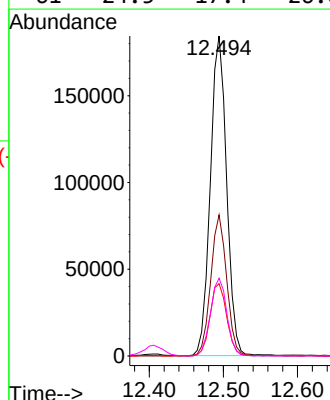
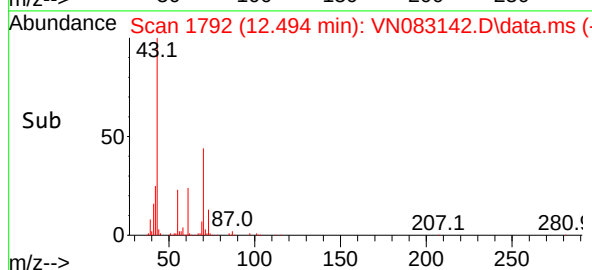
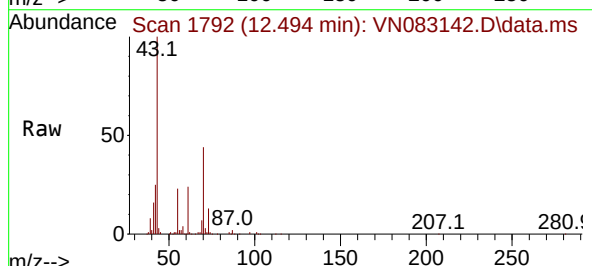
Manual Integrations
APPROVED

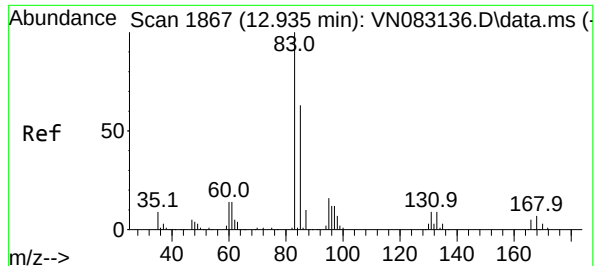
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#74
N-ethyl acetate
Concen: 43.748 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VN083142.D
Acq: 07 Aug 2024 14:49

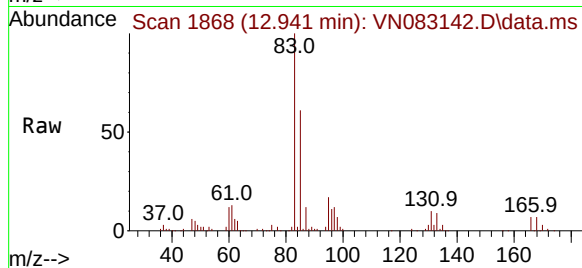
Tgt Ion: 43 Resp: 281352
Ion Ratio Lower Upper
43 100
70 43.1 29.8 44.6
55 23.3 18.7 28.1
61 24.5 17.4 26.0





#75
1,1,2,2-Tetrachloroethane
Concen: 43.016 ug/l
RT: 12.941 min Scan# 1868
Delta R.T. 0.006 min
Lab File: VN083142.D
Acq: 07 Aug 2024 14:49

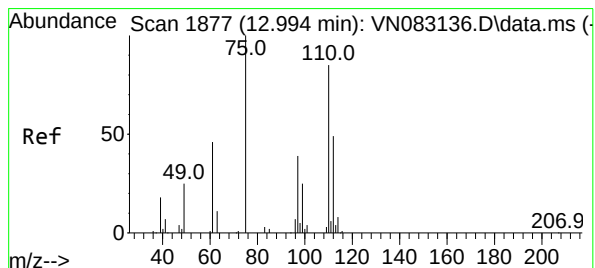
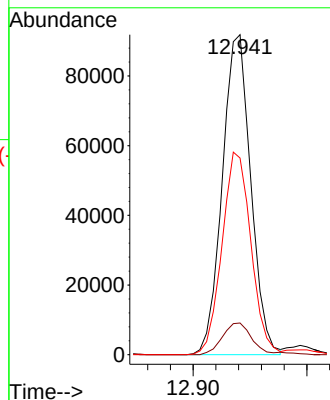
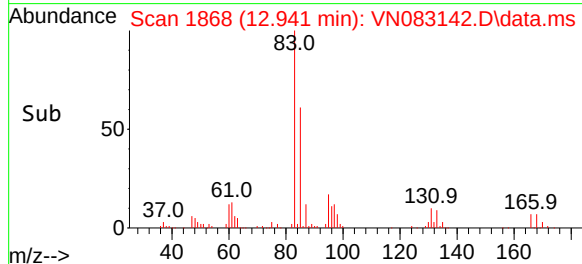
Instrument :
MSVOA_N
ClientSampleId :
ICVVN080724



Tgt Ion: 83 Resp: 159962
Ion Ratio Lower Upper
83 100
131 10.6 5.0 14.9
85 64.5 31.9 95.7

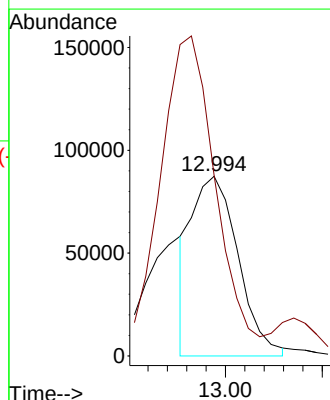
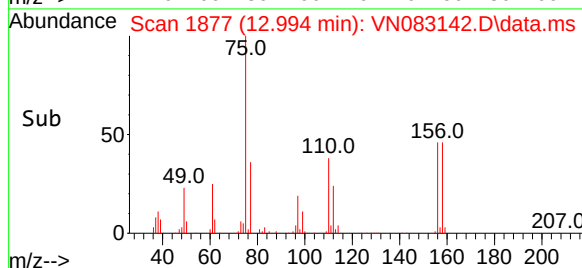
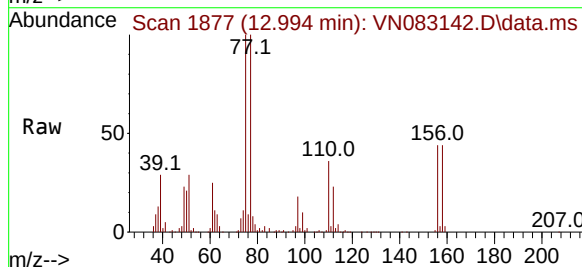
Manual Integrations
APPROVED

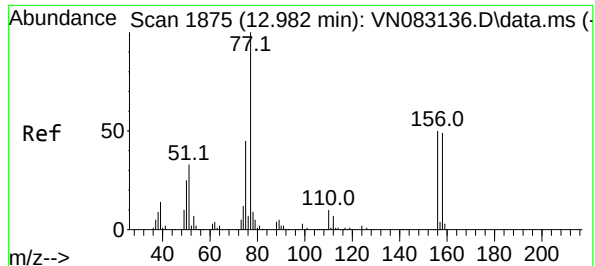
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#76
1,2,3-Trichloropropane
Concen: 42.119 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.000 min
Lab File: VN083142.D
Acq: 07 Aug 2024 14:49

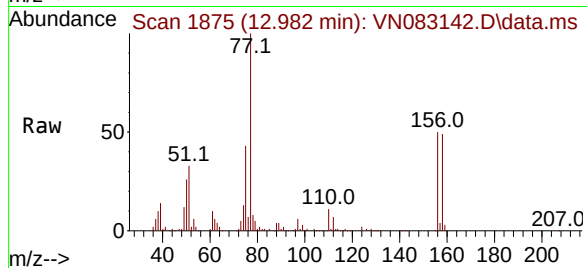
Tgt Ion: 75 Resp: 145309
Ion Ratio Lower Upper
75 100
77 214.8 110.9 332.6





#77
Bromobenzene
Concen: 46.649 ug/l
RT: 12.982 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VN083142.D
Acq: 07 Aug 2024 14:49

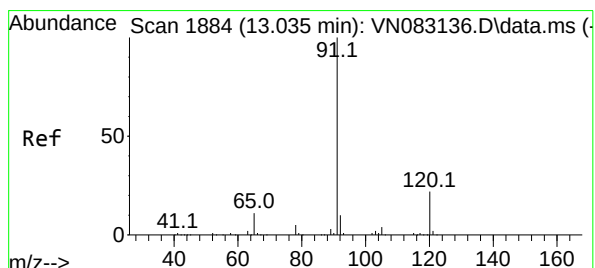
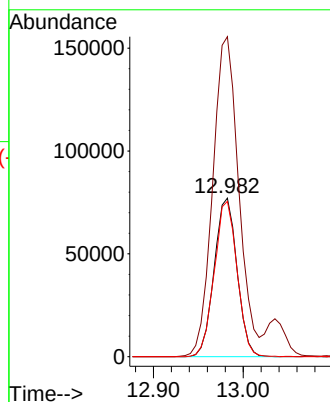
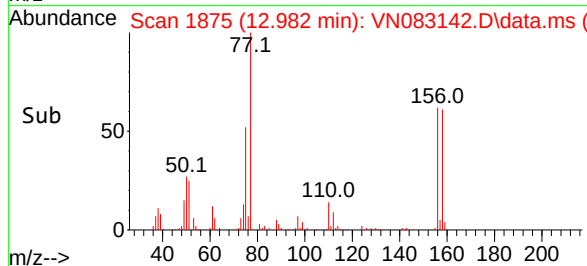
Instrument :
MSVOA_N
ClientSampleId :
ICVVN080724



Tgt Ion: 156 Resp: 136249
Ion Ratio Lower Upper
156 100
77 229.1 111.3 333.8
158 98.0 48.3 144.9

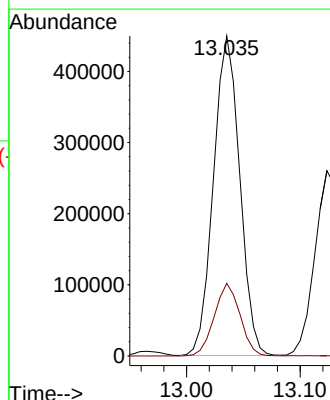
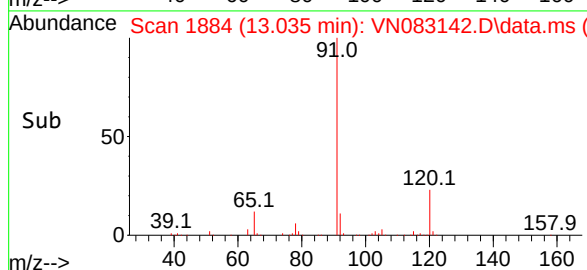
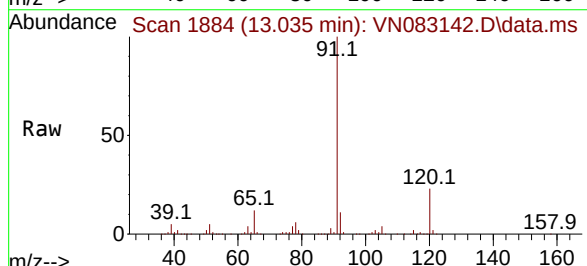
Manual Integrations
APPROVED

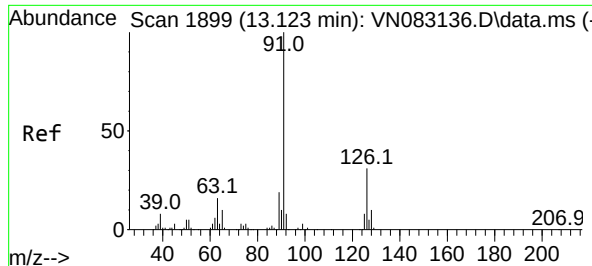
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#78
n-propylbenzene
Concen: 47.678 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN083142.D
Acq: 07 Aug 2024 14:49

Tgt Ion: 91 Resp: 721825
Ion Ratio Lower Upper
91 100
120 22.2 10.9 32.9





#79

2-Chlorotoluene

Concen: 46.398 ug/l

RT: 13.124 min Scan# 1899

Delta R.T. 0.000 min

Lab File: VN083142.D

Acq: 07 Aug 2024 14:49

Instrument :

MSVOA_N

ClientSampleId :

ICVVN080724

Tgt Ion: 91 Resp: 44535

Ion Ratio Lower Upper

91 100

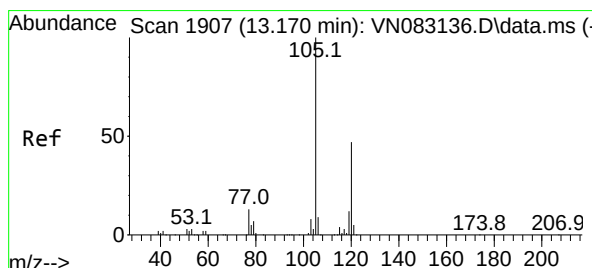
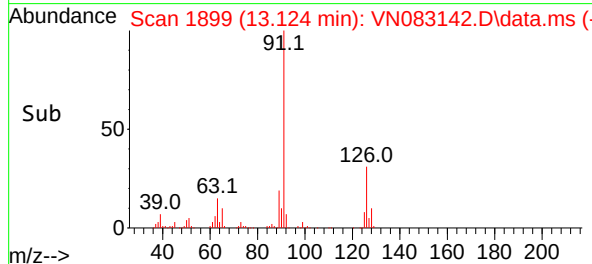
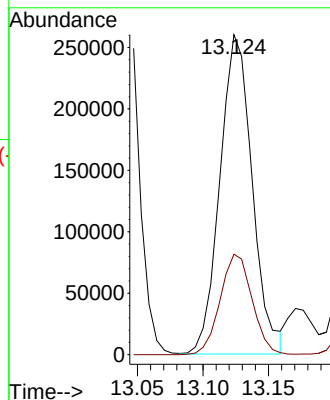
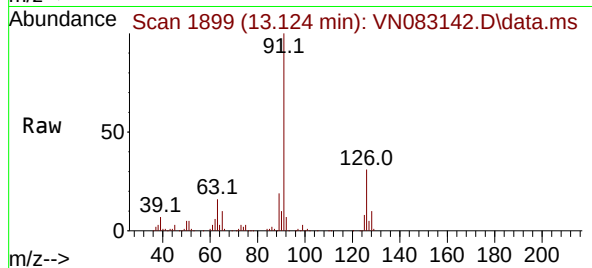
126 31.1 16.2 48.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#80

1,3,5-Trimethylbenzene

Concen: 47.673 ug/l

RT: 13.171 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VN083142.D

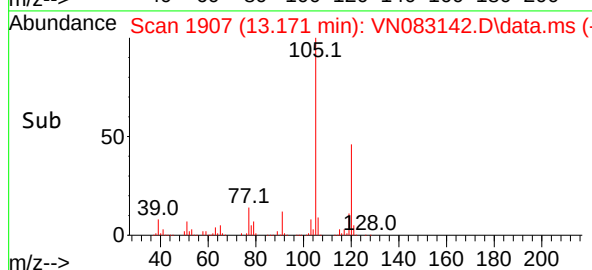
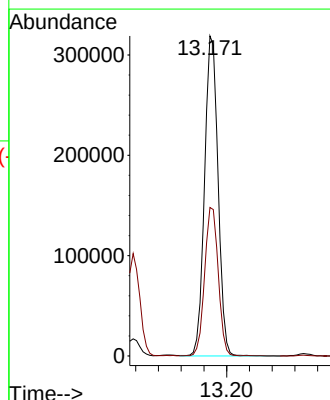
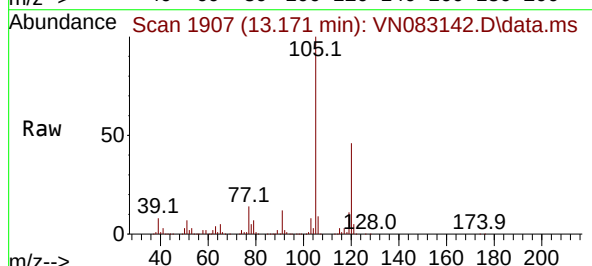
Acq: 07 Aug 2024 14:49

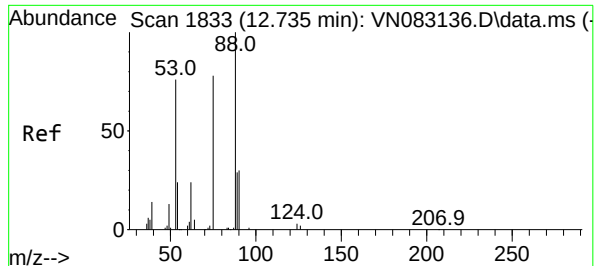
Tgt Ion:105 Resp: 524769

Ion Ratio Lower Upper

105 100

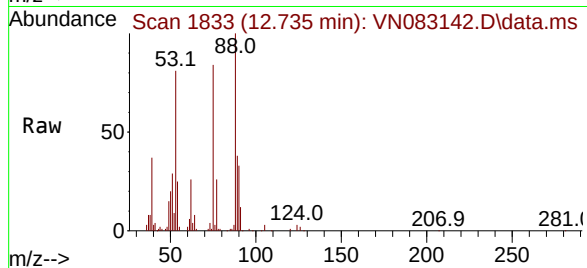
120 46.9 24.3 72.8





#81
trans-1,4-Dichloro-2-butene
Concen: 47.070 ug/l
RT: 12.735 min Scan# 1833
Delta R.T. 0.000 min
Lab File: VN083142.D
Acq: 07 Aug 2024 14:49

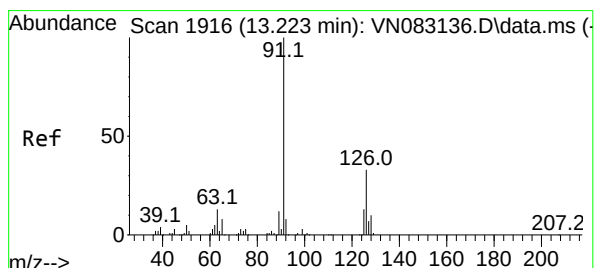
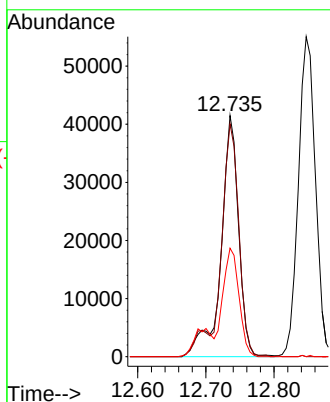
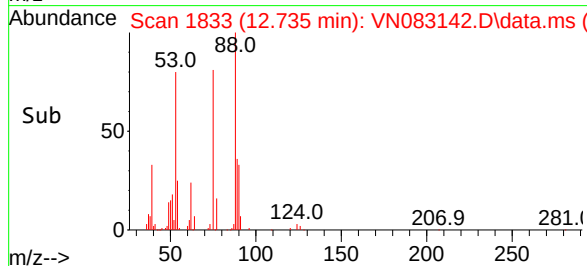
Instrument :
MSVOA_N
ClientSampleId :
ICVVN080724



Tgt Ion: 75 Resp: 74654
Ion Ratio Lower Upper
75 100
53 89.6 88.4 132.6
89 41.1 36.3 54.5

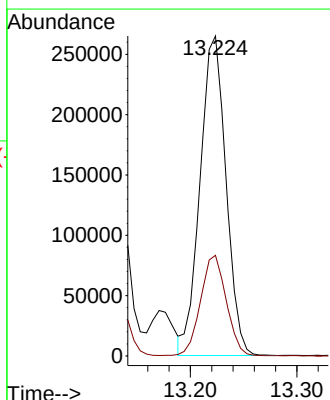
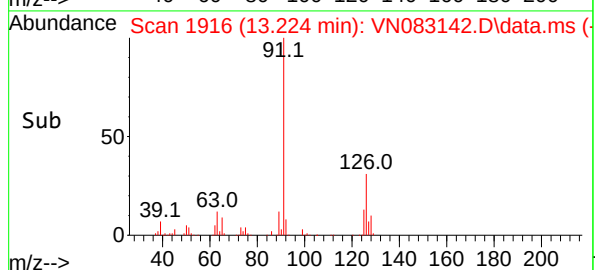
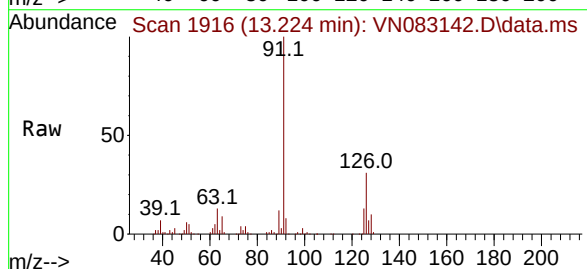
Manual Integrations
APPROVED

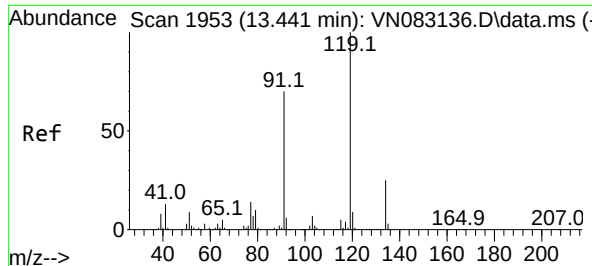
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#82
4-Chlorotoluene
Concen: 46.512 ug/l
RT: 13.224 min Scan# 1916
Delta R.T. 0.000 min
Lab File: VN083142.D
Acq: 07 Aug 2024 14:49

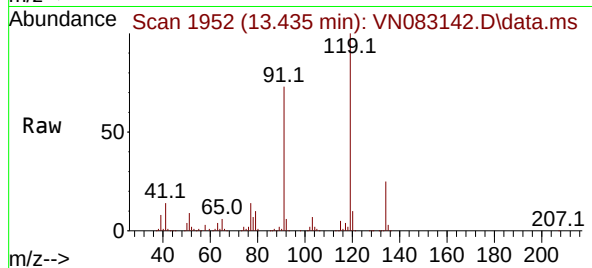
Tgt Ion: 91 Resp: 447810
Ion Ratio Lower Upper
91 100
126 31.2 16.2 48.6





#83
tert-Butylbenzene
Concen: 46.173 ug/l
RT: 13.435 min Scan# 1953
Delta R.T. -0.006 min
Lab File: VN083142.D
Acq: 07 Aug 2024 14:49

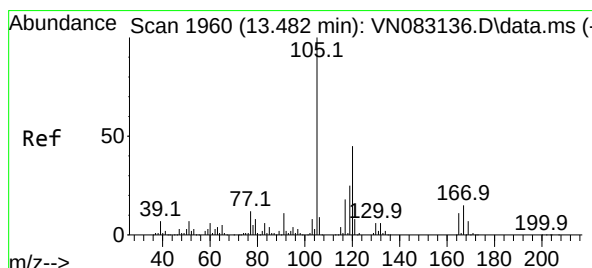
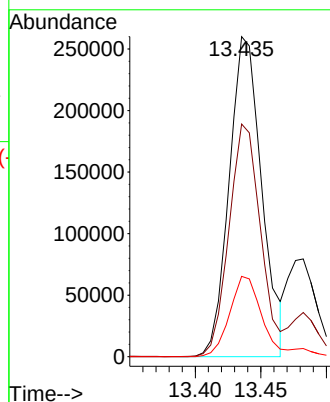
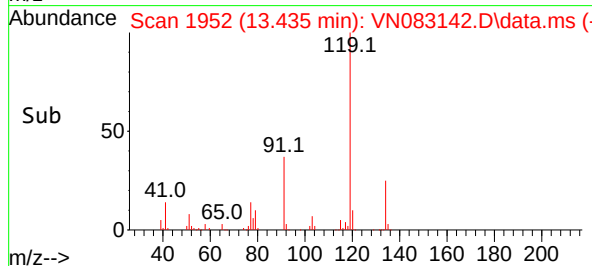
Instrument :
MSVOA_N
ClientSampleId :
ICVVN080724



Tgt Ion:119 Resp: 450104
Ion Ratio Lower Upper
119 100
91 70.4 35.0 105.1
134 24.4 13.3 39.8

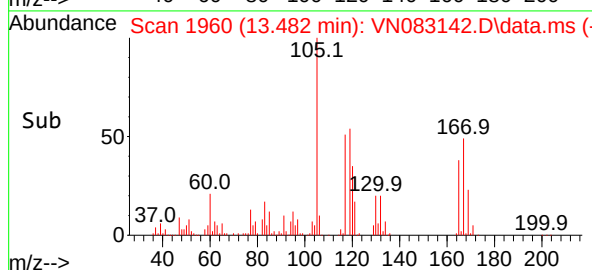
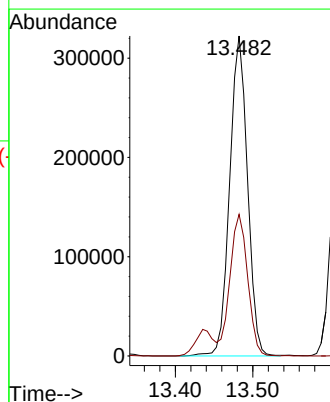
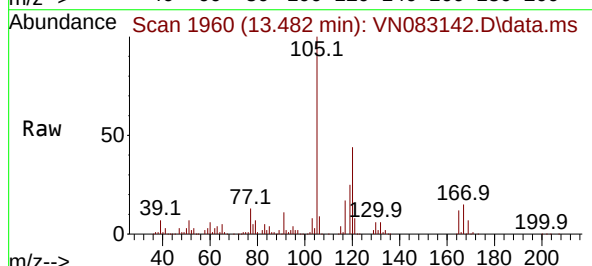
Manual Integrations
APPROVED

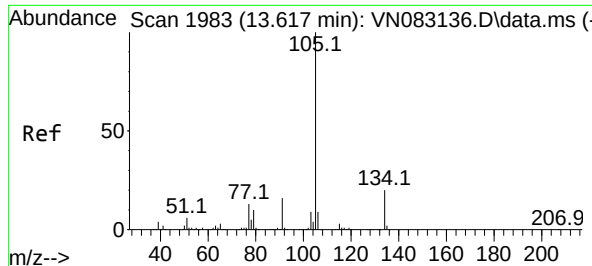
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#84
1,2,4-Trimethylbenzene
Concen: 46.493 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN083142.D
Acq: 07 Aug 2024 14:49

Tgt Ion:105 Resp: 515759
Ion Ratio Lower Upper
105 100
120 44.4 21.9 65.8





#85

sec-Butylbenzene

Concen: 47.018 ug/l

RT: 13.618 min Scan# 1983

Delta R.T. 0.000 min

Lab File: VN083142.D

Acq: 07 Aug 2024 14:49

Instrument :

MSVOA_N

ClientSampleId :

ICVVN080724

Tgt Ion:105 Resp: 625404

Ion Ratio Lower Upper

105 100

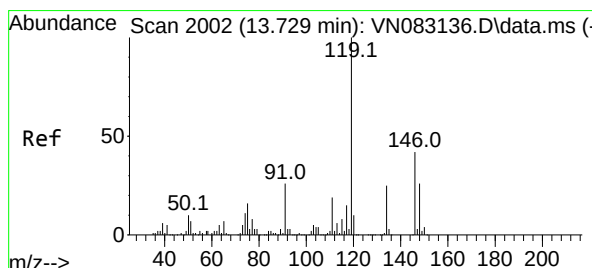
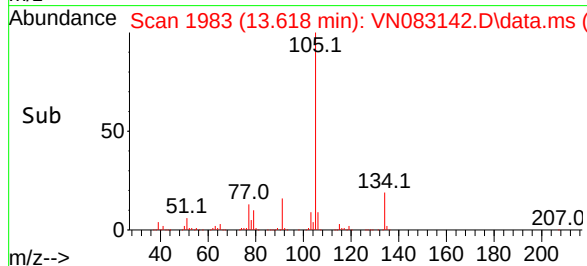
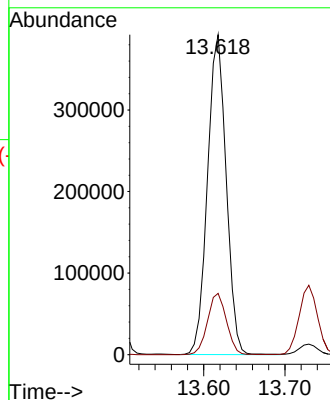
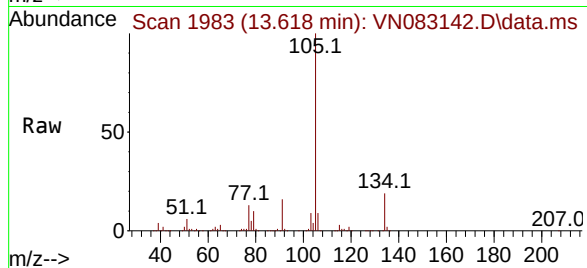
134 19.5 9.8 29.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#86

p-Isopropyltoluene

Concen: 47.566 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. 0.000 min

Lab File: VN083142.D

Acq: 07 Aug 2024 14:49

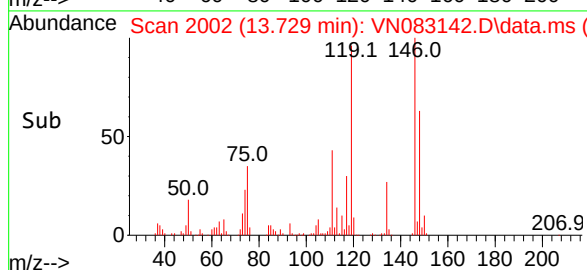
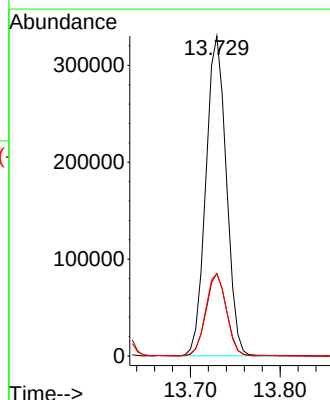
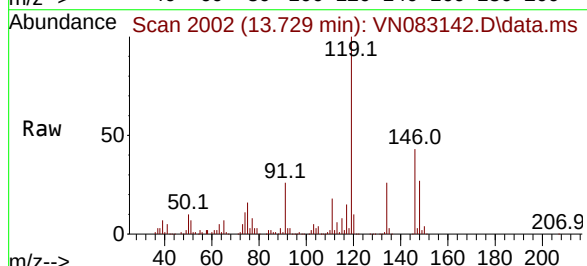
Tgt Ion:119 Resp: 522411

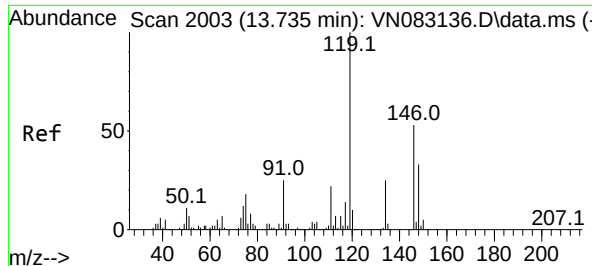
Ion Ratio Lower Upper

119 100

134 25.6 13.0 39.0

91 25.9 12.3 36.9





#87

1,3-Dichlorobenzene

Concen: 45.959 ug/l

RT: 13.735 min Scan# 2003

Delta R.T. 0.000 min

Lab File: VN083142.D

Acq: 07 Aug 2024 14:49

Instrument :

MSVOA_N

ClientSampleId :

ICVVN080724

Tgt Ion:146 Resp: 252579

Ion Ratio Lower Upper

146 100

111 43.4 20.6 61.9

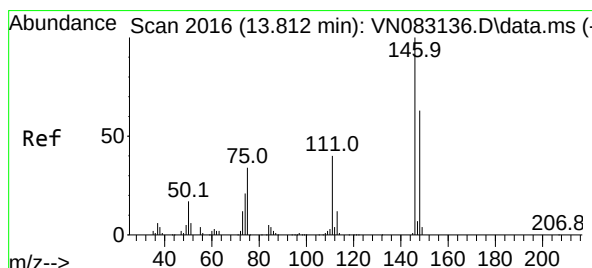
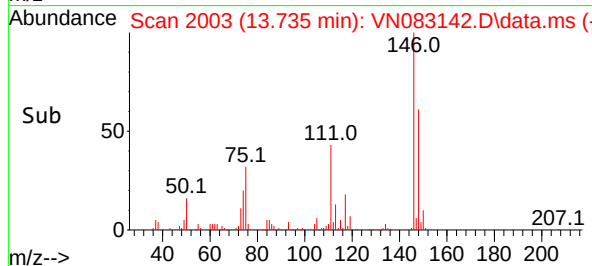
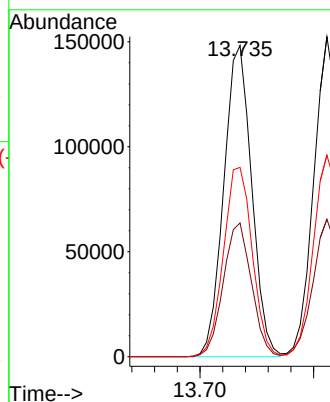
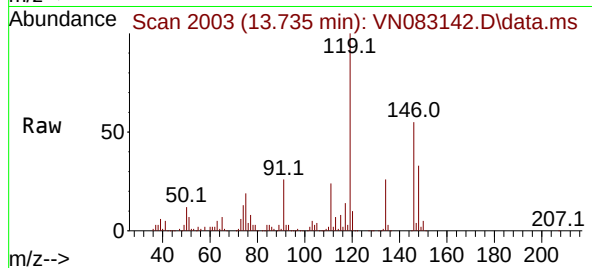
148 62.8 31.8 95.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#88

1,4-Dichlorobenzene

Concen: 45.499 ug/l

RT: 13.812 min Scan# 2016

Delta R.T. 0.000 min

Lab File: VN083142.D

Acq: 07 Aug 2024 14:49

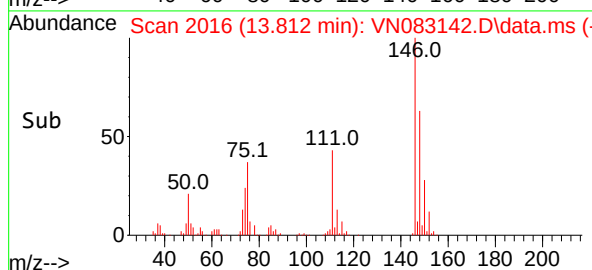
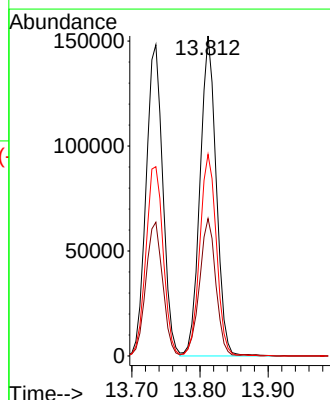
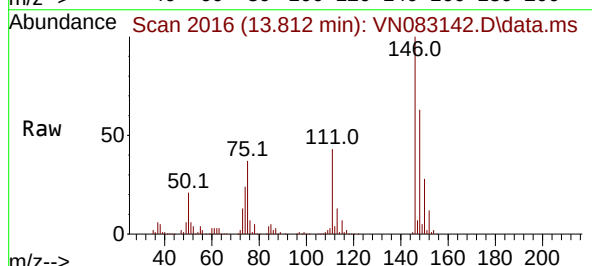
Tgt Ion:146 Resp: 252088

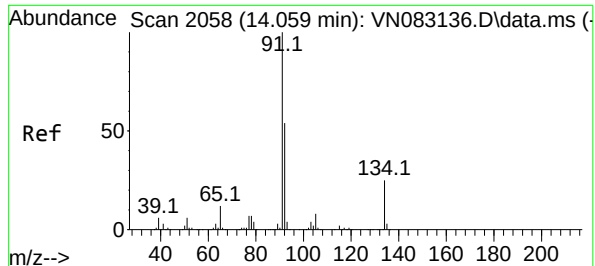
Ion Ratio Lower Upper

146 100

111 42.6 20.1 60.3

148 64.5 32.2 96.6





#89

n-Butylbenzene

Concen: 48.489 ug/l

RT: 14.059 min Scan# 2058

Delta R.T. 0.000 min

Lab File: VN083142.D

Acq: 07 Aug 2024 14:49

Instrument :

MSVOA_N

ClientSampleId :

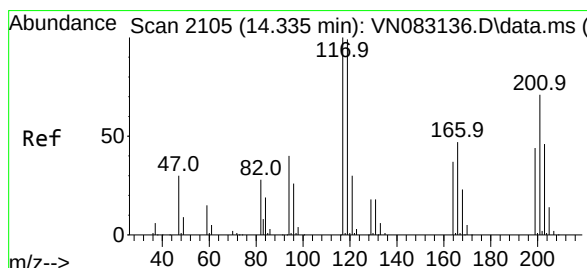
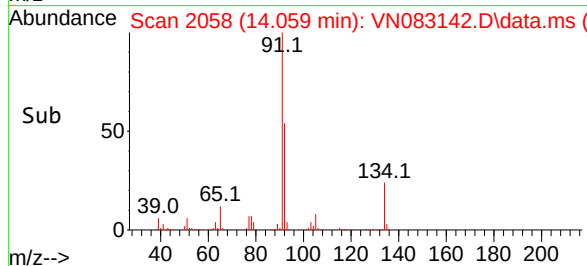
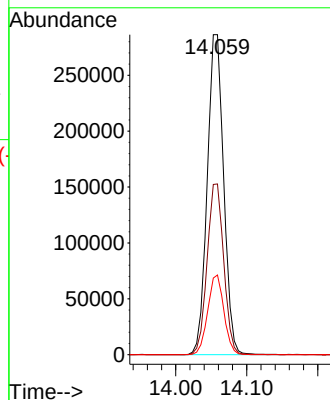
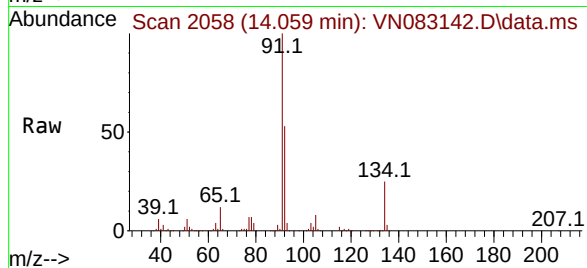
ICVVN080724

Tgt Ion:	91	Resp:	461440
Ion	Ratio	Lower	Upper
91	100		
92	53.9	26.1	78.3
134	24.5	12.1	36.3

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#90

Hexachloroethane

Concen: 46.741 ug/l

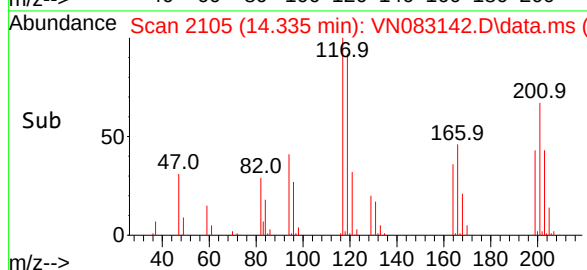
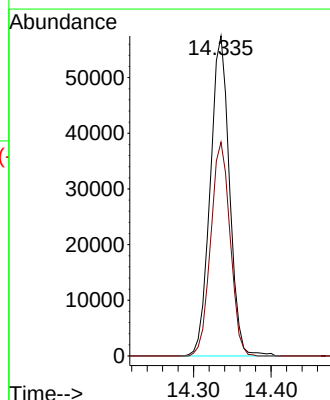
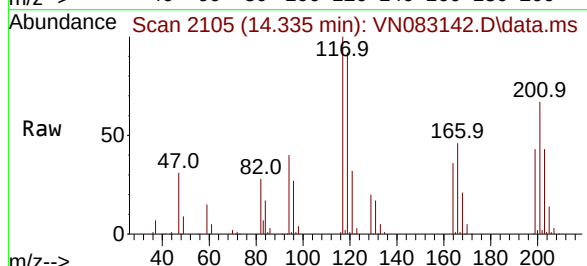
RT: 14.335 min Scan# 2105

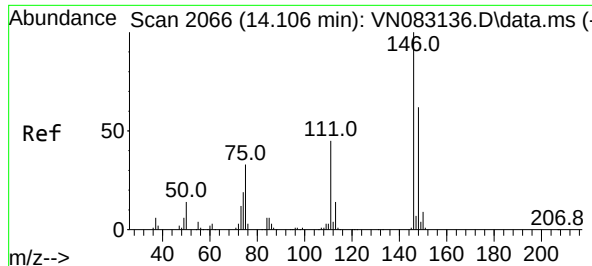
Delta R.T. 0.000 min

Lab File: VN083142.D

Acq: 07 Aug 2024 14:49

Tgt Ion:	117	Resp:	99176
Ion	Ratio	Lower	Upper
117	100		
201	67.3	35.8	107.3





#91

1,2-Dichlorobenzene

Concen: 45.255 ug/l

RT: 14.106 min Scan# 2066

Delta R.T. 0.000 min

Lab File: VN083142.D

Acq: 07 Aug 2024 14:49

Instrument :

MSVOA_N

ClientSampleId :

ICVVN080724

Tgt Ion:146 Resp: 24067

Ion Ratio Lower Upper

146 100

111 45.2 21.4 64.2

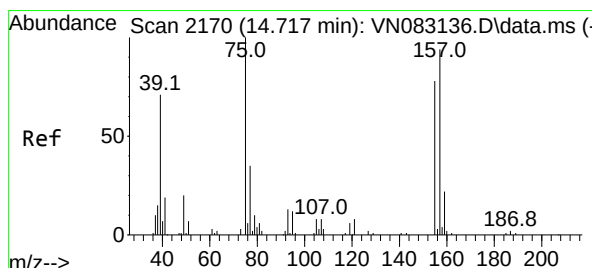
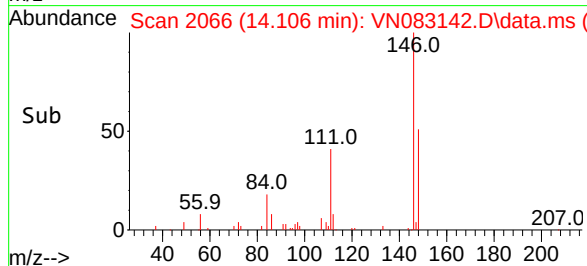
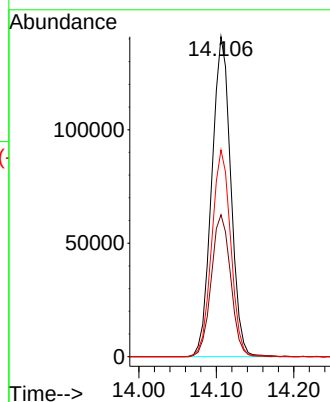
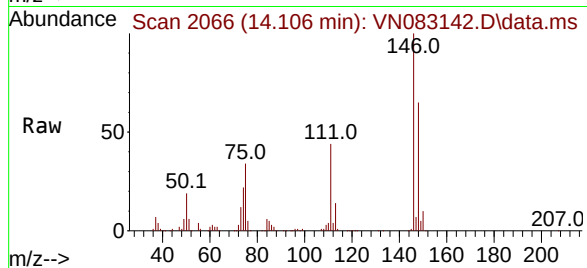
148 64.4 32.1 96.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#92

1,2-Dibromo-3-Chloropropane

Concen: 41.753 ug/l

RT: 14.723 min Scan# 2171

Delta R.T. 0.006 min

Lab File: VN083142.D

Acq: 07 Aug 2024 14:49

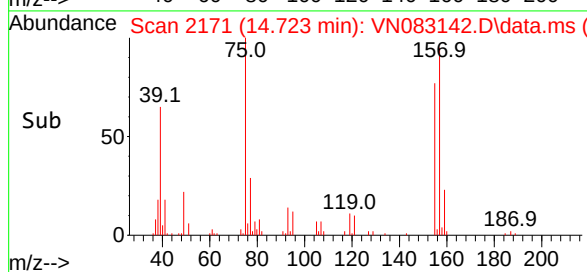
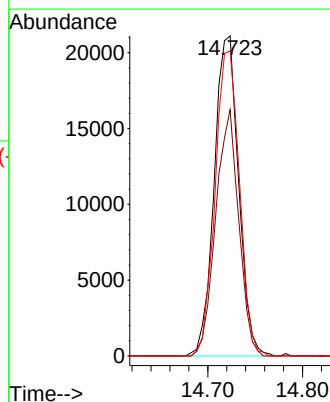
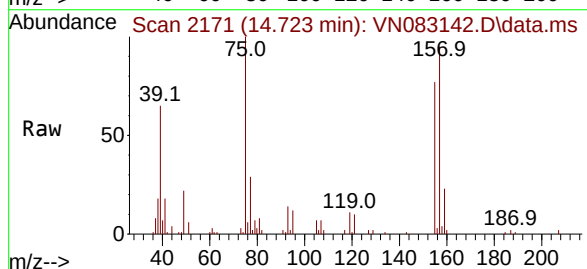
Tgt Ion: 75 Resp: 37677

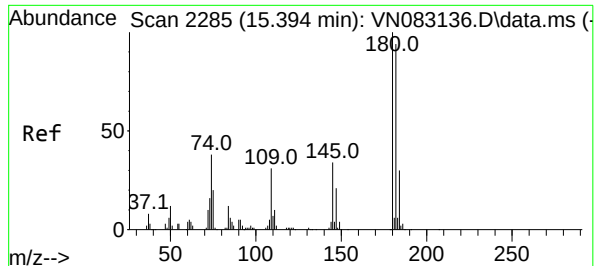
Ion Ratio Lower Upper

75 100

155 72.8 36.6 109.8

157 95.3 46.9 140.6





#93

1,2,4-Trichlorobenzene

Concen: 46.054 ug/l

RT: 15.394 min Scan# 2285

Delta R.T. 0.000 min

Lab File: VN083142.D

Acq: 07 Aug 2024 14:49

Instrument :

MSVOA_N

ClientSampleId :

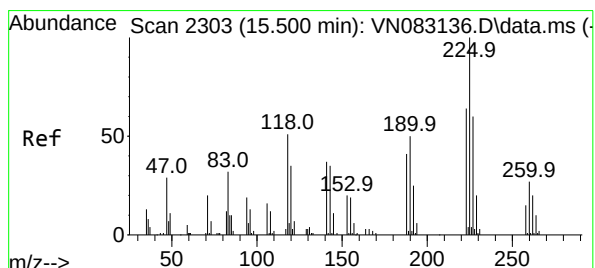
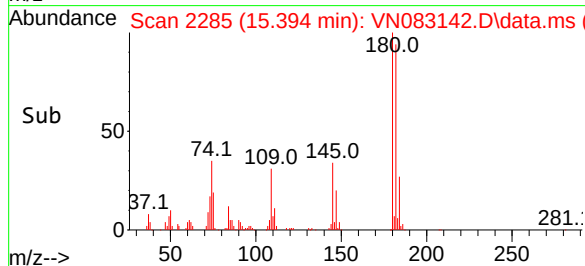
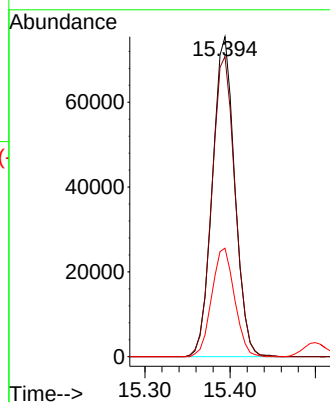
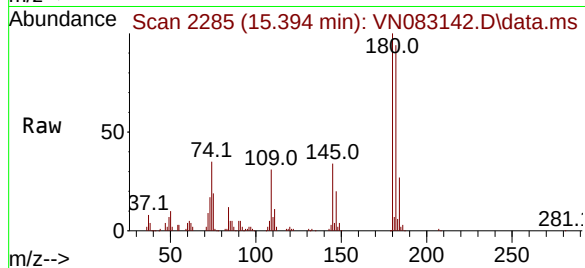
ICVVN080724

Tgt Ion:180	Resp:	137214
Ion Ratio	Lower	Upper
180	100	
182	97.2	47.3 141.8
145	34.6	15.7 47.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#94

Hexachlorobutadiene

Concen: 43.315 ug/l

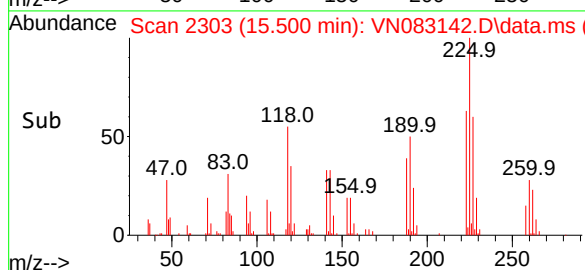
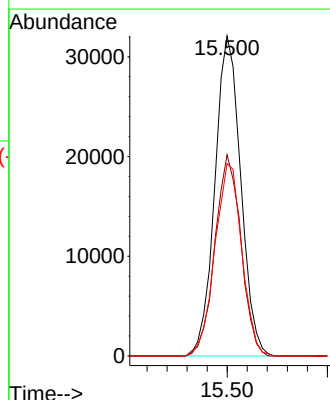
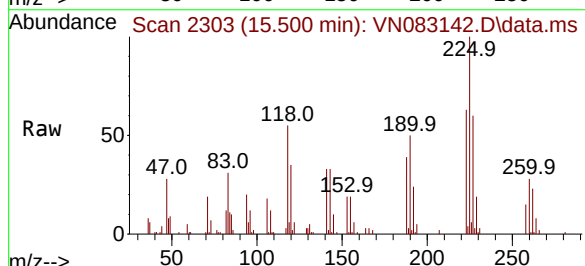
RT: 15.500 min Scan# 2303

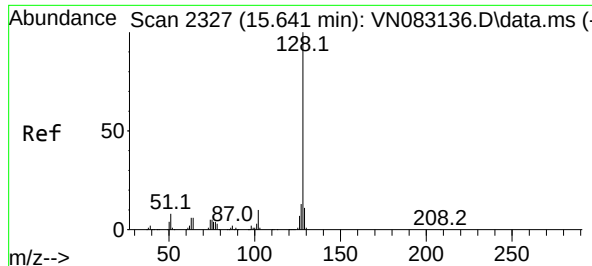
Delta R.T. 0.000 min

Lab File: VN083142.D

Acq: 07 Aug 2024 14:49

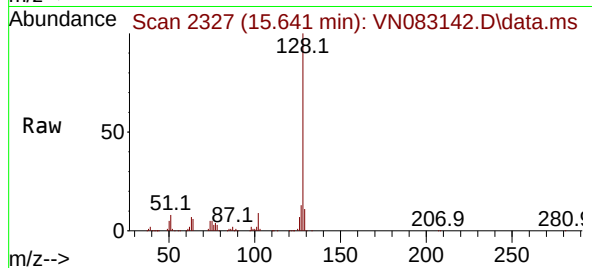
Tgt Ion:225	Resp:	57394
Ion Ratio	Lower	Upper
225	100	
223	63.3	31.9 95.7
227	62.6	32.5 97.5





#95
Naphthalene
Concen: 44.692 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.000 min
Lab File: VN083142.D
Acq: 07 Aug 2024 14:49

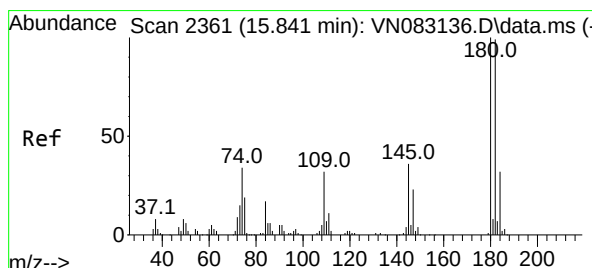
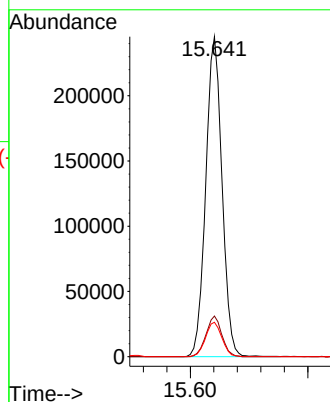
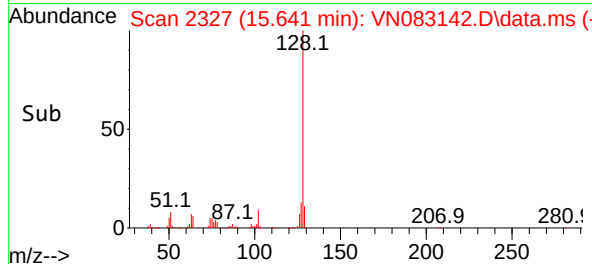
Instrument :
MSVOA_N
ClientSampleId :
ICVVN080724



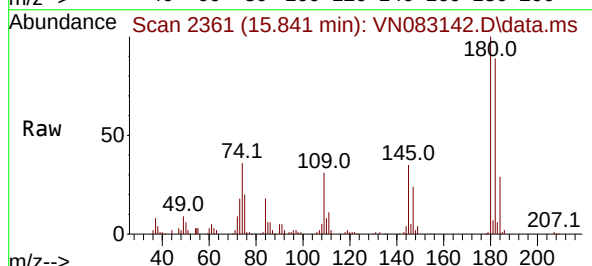
Tgt Ion:128 Resp: 471674
Ion Ratio Lower Upper
128 100
127 12.4 10.6 16.0
129 10.8 8.6 12.8

Manual Integrations
APPROVED

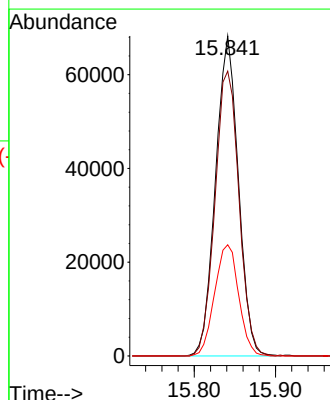
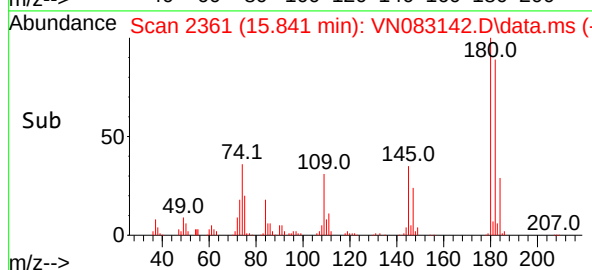
Reviewed By :John Carlone 08/08/2024
Supervised By :Mahesh Dadoda 08/09/2024



#96
1,2,3-Trichlorobenzene
Concen: 45.221 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.000 min
Lab File: VN083142.D
Acq: 07 Aug 2024 14:49



Tgt Ion:180 Resp: 133315
Ion Ratio Lower Upper
180 100
182 93.7 48.9 146.8
145 36.6 16.8 50.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080724\
Data File : VN083142.D
Acq On : 07 Aug 2024 14:49
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN080724

Quant Time: Aug 08 06:35:30 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 08 06:30:41 2024
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	109	0.00
2 T	Dichlorodifluoromethane	0.567	0.534	5.8	102	0.00
3 P	Chloromethane	0.581	0.537	7.6	99	0.00
4 C	Vinyl Chloride	0.592	0.544	8.1#	99	0.00
5 T	Bromomethane	0.368	0.316	14.1	97	0.00
6 T	Chloroethane	0.371	0.324	12.7	99	0.00
7 T	Trichlorofluoromethane	0.979	0.922	5.8	101	0.00
8 T	Diethyl Ether	0.364	0.337	7.4	100	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.539	0.509	5.6	101	0.00
10 T	Methyl Iodide	0.710	0.672	5.4	99	0.00
11 T	Tert butyl alcohol	0.148	0.123	16.9	92	0.00
12 CM	1,1-Dichloroethene	0.554	0.505	8.8#	101	0.00
13 T	Acrolein	0.096	0.084	12.5	90	0.00
14 T	Allyl chloride	1.047	0.862	17.7	101	0.00
15 T	Acrylonitrile	0.304	0.265	12.8	95	0.00
16 T	Acetone	0.278	0.235	15.5	90	0.00
17 T	Carbon Disulfide	1.622	1.417	12.6	99	0.00
18 T	Methyl Acetate	0.830	0.704	15.2	99	0.00
19 T	Methyl tert-butyl Ether	2.001	1.872	6.4	101	0.00
20 T	Methylene Chloride	0.641	0.559	12.8	102	0.00
21 T	trans-1,2-Dichloroethene	0.573	0.523	8.7	99	-0.01
22 T	Diisopropyl ether	1.969	1.846	6.2	100	0.00
23 T	Vinyl Acetate	2.018	1.900	5.8	99	0.00
24 P	1,1-Dichloroethane	1.073	1.002	6.6	101	0.00
25 T	2-Butanone	0.428	0.362	15.4	93	0.00
26 T	2,2-Dichloropropane	0.997	0.954	4.3	102	0.00
27 T	cis-1,2-Dichloroethene	0.691	0.638	7.7	101	0.00
28 T	Bromochloromethane	0.439	0.403	8.2	100	0.00
29 T	Tetrahydrofuran	0.276	0.246	10.9	96	0.00
30 C	Chloroform	1.115	1.057	5.2#	101	0.00
31 T	Cyclohexane	1.055	0.917	13.1	102	0.00
32 T	1,1,1-Trichloroethane	1.055	0.995	5.7	101	0.00
33 S	1,2-Dichloroethane-d4	0.712	0.720	-1.1	105	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	109	0.00
35 S	Dibromofluoromethane	0.312	0.322	-3.2	106	0.00
36 T	1,1-Dichloropropene	0.472	0.451	4.4	103	0.00
37 T	Ethyl Acetate	0.529	0.456	13.8	100	0.00
38 T	Carbon Tetrachloride	0.532	0.509	4.3	102	0.00
39 T	Methylcyclohexane	0.580	0.555	4.3	101	0.00
40 TM	Benzene	1.406	1.340	4.7	101	0.00
41 T	Methacrylonitrile	0.301	0.259	14.0	99	0.00
42 TM	1,2-Dichloroethane	0.512	0.485	5.3	102	0.00
43 T	Isopropyl Acetate	1.211	0.841	30.6#	100	0.00
44 TM	Trichloroethene	0.335	0.321	4.2	102	0.00
45 C	1,2-Dichloropropane	0.334	0.322	3.6#	101	0.00
46 T	Dibromomethane	0.239	0.225	5.9	98	0.00
47 T	Bromodichloromethane	0.537	0.505	6.0	102	0.00
48 T	Methyl methacrylate	0.437	0.390	10.8	100	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080724\
Data File : VN083142.D
Acq On : 07 Aug 2024 14:49
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN080724

Quant Time: Aug 08 06:35:30 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 08 06:30:41 2024
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	0.008	0.007	12.5	93	0.00
50 S	Toluene-d8	1.164	1.215	-4.4	105	0.00
51 T	4-Methyl-2-Pentanone	0.500	0.462	7.6	97	0.00
52 CM	Toluene	0.889	0.862	3.0#	101	0.00
53 T	t-1,3-Dichloropropene	0.551	0.549	0.4	100	0.00
54 T	cis-1,3-Dichloropropene	0.586	0.568	3.1	102	0.00
55 T	1,1,2-Trichloroethane	0.318	0.308	3.1	101	0.00
56 T	Ethyl methacrylate	0.600	0.569	5.2	99	0.00
57 T	1,3-Dichloropropane	0.568	0.538	5.3	99	0.00
58 T	2-Chloroethyl Vinyl ether	0.254	0.249	2.0	104	0.00
59 T	2-Hexanone	0.387	0.348	10.1	96	0.00
60 T	Dibromochloromethane	0.385	0.381	1.0	100	0.00
61 T	1,2-Dibromoethane	0.335	0.315	6.0	99	0.00
62 S	4-Bromofluorobenzene	0.454	0.477	-5.1	106	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	109	0.00
64 T	Tetrachloroethene	0.331	0.319	3.6	102	0.00
65 PM	Chlorobenzene	1.105	1.050	5.0	100	0.00
66 T	1,1,1,2-Tetrachloroethane	0.390	0.365	6.4	100	0.00
67 C	Ethyl Benzene	2.027	1.936	4.5#	102	0.00
68 T	m/p-Xylenes	0.759	0.732	3.6	102	0.00
69 T	o-Xylene	0.749	0.699	6.7	99	0.00
70 T	Styrene	1.258	1.220	3.0	100	0.00
71 P	Bromoform	0.295	0.282	4.4	97	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	110	0.00
73 T	Isopropylbenzene	4.182	3.922	6.2	101	0.00
74 T	N-amyl acetate	2.046	1.790	12.5	98	0.00
75 P	1,1,2,2-Tetrachloroethane	1.183	1.018	13.9	96	0.00
76 T	1,2,3-Trichloropropane	1.097	0.924	15.8	95	0.00
77 T	Bromobenzene	0.929	0.867	6.7	99	0.00
78 T	n-propylbenzene	4.816	4.592	4.7	101	0.00
79 T	2-Chlorotoluene	3.053	2.833	7.2	101	0.00
80 T	1,3,5-Trimethylbenzene	3.501	3.338	4.7	102	0.00
81 T	trans-1,4-Dichloro-2-butene	0.504	0.475	5.8	105	0.00
82 T	4-Chlorotoluene	3.062	2.849	7.0	101	0.00
83 T	tert-Butylbenzene	3.101	2.863	7.7	99	0.00
84 T	1,2,4-Trimethylbenzene	3.529	3.281	7.0	98	0.00
85 T	sec-Butylbenzene	4.231	3.979	6.0	99	0.00
86 T	p-Isopropyltoluene	3.493	3.323	4.9	99	0.00
87 T	1,3-Dichlorobenzene	1.748	1.607	8.1	99	0.00
88 T	1,4-Dichlorobenzene	1.762	1.604	9.0	99	0.00
89 T	n-Butylbenzene	3.027	2.935	3.0	100	0.00
90 T	Hexachloroethane	0.675	0.631	6.5	100	0.00
91 T	1,2-Dichlorobenzene	1.692	1.531	9.5	98	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.287	0.240	16.4	93	0.00
93 T	1,2,4-Trichlorobenzene	0.948	0.873	7.9	97	0.00
94 T	Hexachlorobutadiene	0.421	0.365	13.3	98	0.00
95 T	Naphthalene	3.357	3.001	10.6	94	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080724\
Data File : VN083142.D
Acq On : 07 Aug 2024 14:49
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN080724

Quant Time: Aug 08 06:35:30 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 08 06:30:41 2024
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	0.938	0.848	9.6	97	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080724\
Data File : VN083142.D
Acq On : 07 Aug 2024 14:49
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN080724

Quant Time: Aug 08 06:35:30 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 08 06:30:41 2024
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	109	0.00
2 T	Dichlorodifluoromethane	50.000	47.102	5.8	102	0.00
3 P	Chloromethane	50.000	46.238	7.5	99	0.00
4 C	Vinyl Chloride	50.000	45.937	8.1#	99	0.00
5 T	Bromomethane	50.000	42.984	14.0	97	0.00
6 T	Chloroethane	50.000	43.725	12.5	99	0.00
7 T	Trichlorofluoromethane	50.000	47.124	5.8	101	0.00
8 T	Diethyl Ether	50.000	46.259	7.5	100	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	47.176	5.6	101	0.00
10 T	Methyl Iodide	50.000	47.349	5.3	99	0.00
11 T	Tert butyl alcohol	250.000	208.135	16.7	92	0.00
12 CM	1,1-Dichloroethene	50.000	45.562	8.9#	101	0.00
13 T	Acrolein	250.000	217.571	13.0	90	0.00
14 T	Allyl chloride	50.000	41.173	17.7	101	0.00
15 T	Acrylonitrile	250.000	217.950	12.8	95	0.00
16 T	Acetone	250.000	210.840	15.7	90	0.00
17 T	Carbon Disulfide	50.000	43.689	12.6	99	0.00
18 T	Methyl Acetate	50.000	42.397	15.2	99	0.00
19 T	Methyl tert-butyl Ether	50.000	46.781	6.4	101	0.00
20 T	Methylene Chloride	50.000	43.645	12.7	102	0.00
21 T	trans-1,2-Dichloroethene	50.000	45.671	8.7	99	-0.01
22 T	Diisopropyl ether	50.000	46.881	6.2	100	0.00
23 T	Vinyl Acetate	250.000	235.414	5.8	99	0.00
24 P	1,1-Dichloroethane	50.000	46.685	6.6	101	0.00
25 T	2-Butanone	250.000	211.782	15.3	93	0.00
26 T	2,2-Dichloropropane	50.000	47.853	4.3	102	0.00
27 T	cis-1,2-Dichloroethene	50.000	46.113	7.8	101	0.00
28 T	Bromochloromethane	50.000	45.986	8.0	100	0.00
29 T	Tetrahydrofuran	250.000	222.147	11.1	96	0.00
30 C	Chloroform	50.000	47.387	5.2#	101	0.00
31 T	Cyclohexane	50.000	43.474	13.1	102	0.00
32 T	1,1,1-Trichloroethane	50.000	47.135	5.7	101	0.00
33 S	1,2-Dichloroethane-d4	50.000	50.583	-1.2	105	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	109	0.00
35 S	Dibromofluoromethane	50.000	51.549	-3.1	106	0.00
36 T	1,1-Dichloropropene	50.000	47.732	4.5	103	0.00
37 T	Ethyl Acetate	50.000	43.124	13.8	100	0.00
38 T	Carbon Tetrachloride	50.000	47.904	4.2	102	0.00
39 T	Methylcyclohexane	50.000	47.821	4.4	101	0.00
40 TM	Benzene	50.000	47.635	4.7	101	0.00
41 T	Methacrylonitrile	50.000	43.013	14.0	99	0.00
42 TM	1,2-Dichloroethane	50.000	47.310	5.4	102	0.00
43 T	Isopropyl Acetate	50.000	45.577	8.8	100	0.00
44 TM	Trichloroethene	50.000	47.994	4.0	102	0.00
45 C	1,2-Dichloropropane	50.000	48.208	3.6#	101	0.00
46 T	Dibromomethane	50.000	47.124	5.8	98	0.00
47 T	Bromodichloromethane	50.000	47.047	5.9	102	0.00
48 T	Methyl methacrylate	50.000	44.609	10.8	100	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080724\
Data File : VN083142.D
Acq On : 07 Aug 2024 14:49
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN080724

Quant Time: Aug 08 06:35:30 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 08 06:30:41 2024
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	885.211	11.5	93	0.00
50 S	Toluene-d8	50.000	52.175	-4.3	105	0.00
51 T	4-Methyl-2-Pentanone	250.000	230.917	7.6	97	0.00
52 CM	Toluene	50.000	48.520	3.0#	101	0.00
53 T	t-1,3-Dichloropropene	50.000	49.776	0.4	100	0.00
54 T	cis-1,3-Dichloropropene	50.000	48.487	3.0	102	0.00
55 T	1,1,2-Trichloroethane	50.000	48.351	3.3	101	0.00
56 T	Ethyl methacrylate	50.000	47.395	5.2	99	0.00
57 T	1,3-Dichloropropane	50.000	47.391	5.2	99	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	244.918	2.0	104	0.00
59 T	2-Hexanone	250.000	224.916	10.0	96	0.00
60 T	Dibromochloromethane	50.000	49.513	1.0	100	0.00
61 T	1,2-Dibromoethane	50.000	47.133	5.7	99	0.00
62 S	4-Bromofluorobenzene	50.000	52.574	-5.1	106	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	109	0.00
64 T	Tetrachloroethene	50.000	48.175	3.7	102	0.00
65 PM	Chlorobenzene	50.000	47.522	5.0	100	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	46.843	6.3	100	0.00
67 C	Ethyl Benzene	50.000	47.764	4.5#	102	0.00
68 T	m/p-Xylenes	100.000	96.434	3.6	102	0.00
69 T	o-Xylene	50.000	46.662	6.7	99	0.00
70 T	Styrene	50.000	48.487	3.0	100	0.00
71 P	Bromoform	50.000	47.797	4.4	97	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	110	0.00
73 T	Isopropylbenzene	50.000	46.893	6.2	101	0.00
74 T	N-ethyl acetate	50.000	43.748	12.5	98	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	43.016	14.0	96	0.00
76 T	1,2,3-Trichloropropane	50.000	42.119	15.8	95	0.00
77 T	Bromobenzene	50.000	46.649	6.7	99	0.00
78 T	n-propylbenzene	50.000	47.678	4.6	101	0.00
79 T	2-Chlorotoluene	50.000	46.398	7.2	101	0.00
80 T	1,3,5-Trimethylbenzene	50.000	47.673	4.7	102	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	47.070	5.9	105	0.00
82 T	4-Chlorotoluene	50.000	46.512	7.0	101	0.00
83 T	tert-Butylbenzene	50.000	46.173	7.7	99	0.00
84 T	1,2,4-Trimethylbenzene	50.000	46.493	7.0	98	0.00
85 T	sec-Butylbenzene	50.000	47.018	6.0	99	0.00
86 T	p-Isopropyltoluene	50.000	47.566	4.9	99	0.00
87 T	1,3-Dichlorobenzene	50.000	45.959	8.1	99	0.00
88 T	1,4-Dichlorobenzene	50.000	45.499	9.0	99	0.00
89 T	n-Butylbenzene	50.000	48.489	3.0	100	0.00
90 T	Hexachloroethane	50.000	46.741	6.5	100	0.00
91 T	1,2-Dichlorobenzene	50.000	45.255	9.5	98	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	41.753	16.5	93	0.00
93 T	1,2,4-Trichlorobenzene	50.000	46.054	7.9	97	0.00
94 T	Hexachlorobutadiene	50.000	43.315	13.4	98	0.00
95 T	Naphthalene	50.000	44.692	10.6	94	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080724\
Data File : VN083142.D
Acq On : 07 Aug 2024 14:49
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN080724

Quant Time: Aug 08 06:35:30 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 08 06:30:41 2024
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	45.221	9.6	97	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: P3716 SAS No.: P3716 SDG No.: P3716
 Instrument ID: MSVOA_N Calibration Date/Time: 08/23/2024 08:39
 Lab File ID: VN083447.D Init. Calib. Date(s): 08/07/2024 08/07/2024
 Heated Purge: (Y/N) N Init. Calib. Time(s): 10:33 12:34
 GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.567	0.489		-13.76	20
Chloromethane	0.581	0.573	0.1	-1.38	20
Vinyl Chloride	0.592	0.600		1.35	20
Bromomethane	0.368	0.309		-16.03	20
Chloroethane	0.371	0.405		9.16	20
Trichlorofluoromethane	0.979	1.045		6.74	20
1,1,2-Trichlorotrifluoroethane	0.539	0.582		7.98	20
1,1-Dichloroethene	0.554	0.538		-2.89	20
Acetone	0.278	0.317		14.03	20
Carbon Disulfide	1.622	1.459		-10.05	20
Methyl tert-butyl Ether	2.001	1.993		-0.4	20
Methyl Acetate	0.830	0.746		-10.12	20
Methylene Chloride	0.641	0.629		-1.87	20
trans-1,2-Dichloroethene	0.573	0.573		0	20
1,1-Dichloroethane	1.073	1.158	0.1	7.92	20
Cyclohexane	1.055	1.002		-5.02	20
2-Butanone	0.428	0.400		-6.54	20
Carbon Tetrachloride	0.532	0.559		4.89	20
cis-1,2-Dichloroethene	0.691	0.713		3.18	20
Bromochloromethane	0.439	0.444		1.14	20
Chloroform	1.115	1.217		9.15	20
1,1,1-Trichloroethane	1.055	1.117		5.88	20
Methylcyclohexane	0.580	0.586		1.03	20
Benzene	1.406	1.490		5.97	20
1,2-Dichloroethane	0.512	0.558		8.98	20
Trichloroethene	0.335	0.345		2.98	20
1,2-Dichloropropane	0.334	0.361		8.08	20
Bromodichloromethane	0.537	0.560		4.28	20
4-Methyl-2-Pentanone	0.500	0.456		-8.8	20
Toluene	0.889	0.950		6.86	20
t-1,3-Dichloropropene	0.551	0.569		3.27	20
cis-1,3-Dichloropropene	0.586	0.607		3.58	20
1,1,2-Trichloroethane	0.318	0.337		5.97	20
2-Hexanone	0.387	0.349		-9.82	20
Dibromochloromethane	0.385	0.404		4.93	20
1,2-Dibromoethane	0.335	0.339		1.19	20
Tetrachloroethene	0.331	0.332		0.3	20
Chlorobenzene	1.105	1.131	0.3	2.35	20

All other compounds must meet a minimum RRF of 0.010.
 RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: P3716 SAS No.: P3716 SDG No.: P3716
 Instrument ID: MSVOA_N Calibration Date/Time: 08/23/2024 08:39
 Lab File ID: VN083447.D Init. Calib. Date(s): 08/07/2024 08/07/2024
 Heated Purge: (Y/N) N Init. Calib. Time(s): 10:33 12:34
 GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	2.027	2.083		2.76	20
m/p-Xylenes	0.759	0.776		2.24	20
o-Xylene	0.749	0.756		0.94	20
Styrene	1.258	1.283		1.99	20
Bromoform	0.295	0.292	0.1	-1.02	20
Isopropylbenzene	4.182	3.924		-6.17	20
1,1,2,2-Tetrachloroethane	1.183	1.094	0.3	-7.52	20
1,3-Dichlorobenzene	1.748	1.691		-3.26	20
1,4-Dichlorobenzene	1.762	1.694		-3.86	20
1,2-Dichlorobenzene	1.692	1.670		-1.3	20
1,2-Dibromo-3-Chloropropane	0.287	0.226		-21.25	20
1,2,4-Trichlorobenzene	0.948	0.821		-13.4	20
1,2,3-Trichlorobenzene	0.938	0.842		-10.23	20
1,2-Dichloroethane-d4	0.712	0.709		-0.42	20
Dibromofluoromethane	0.312	0.301		-3.53	20
Toluene-d8	1.164	1.082		-7.05	20
4-Bromofluorobenzene	0.454	0.439		-3.3	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\VN082324\
Data File : VN083447.D
Acq On : 23 Aug 2024 08:39
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Quant Time: Aug 23 23:52:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 08 06:30:41 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/26/2024
Supervised By :Semsettin Yesilyurt 08/26/2024

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	153406	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	263368	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	229242	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	116414	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.577	65	108817	49.835	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.660%
35) Dibromofluoromethane	8.165	113	79275	48.224	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.440%
50) Toluene-d8	10.565	98	285089	46.491	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	92.980%
62) 4-Bromofluorobenzene	12.847	95	115683	48.390	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	96.780%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.124	85	75024	43.126	ug/l	98
3) Chloromethane	2.359	50	87853	49.327	ug/l	97
4) Vinyl Chloride	2.518	62	91967	50.605	ug/l	98
5) Bromomethane	2.900	94	47379	42.015	ug/l	90
6) Chloroethane	3.071	64	62152	54.663	ug/l	99
7) Trichlorofluoromethane	3.471	101	160336	53.406	ug/l	95
8) Diethyl Ether	3.953	74	55429	49.616	ug/l	88
9) 1,1,2-Trichlorotrifluo...	4.359	101	89340	53.974	ug/l	97
10) Methyl Iodide	4.577	142	112358	51.603	ug/l #	96
11) Tert butyl alcohol	5.541	59	78964	174.012	ug/l	97
12) 1,1-Dichloroethene	4.330	96	82469	48.496	ug/l	84
13) Acrolein	4.177	56	77593	262.359	ug/l	99
14) Allyl chloride	5.012	41	152343	47.406	ug/l	91
15) Acrylonitrile	5.718	53	215137	230.519	ug/l	99
16) Acetone	4.424	43	243239	284.683	ug/l	93
17) Carbon Disulfide	4.700	76	223869	44.992	ug/l	100
18) Methyl Acetate	5.024	43	114459	44.962	ug/l	93
19) Methyl tert-butyl Ether	5.789	73	305785	49.818	ug/l	97
20) Methylene Chloride	5.265	84	96495	49.072	ug/l	85
21) trans-1,2-Dichloroethene	5.783	96	87921	50.024	ug/l	92
22) Diisopropyl ether	6.671	45	318365	52.704	ug/l	97
23) Vinyl Acetate	6.600	43	1630218	263.297	ug/l #	95
24) 1,1-Dichloroethane	6.565	63	177618	53.945	ug/l	100
25) 2-Butanone	7.483	43	306665	233.750	ug/l #	88
26) 2,2-Dichloropropane	7.483	77	164096	53.666	ug/l	100
27) cis-1,2-Dichloroethene	7.483	96	109357	51.562	ug/l	93
28) Bromochloromethane	7.806	49	68087	50.601	ug/l	91
29) Tetrahydrofuran	7.835	42	186287	219.657	ug/l	90
30) Chloroform	7.965	83	186732	54.589	ug/l	95
31) Cyclohexane	8.253	56	153719	47.504	ug/l	95
32) 1,1,1-Trichloroethane	8.165	97	171350	52.920	ug/l	98
36) 1,1-Dichloropropene	8.371	75	128561	51.698	ug/l	99
37) Ethyl Acetate	7.559	43	123313	44.288	ug/l #	95
38) Carbon Tetrachloride	8.359	117	147091	52.516	ug/l	97
39) Methylcyclohexane	9.600	83	154393	50.548	ug/l	94
40) Benzene	8.606	78	392338	52.961	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082324\
 Data File : VN083447.D
 Acq On : 23 Aug 2024 08:39
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/26/2024

Supervised By :Semsettin Yesilyurt 08/26/2024

Quant Time: Aug 23 23:52:33 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M

Quant Title : SW846 8260

QLast Update : Thu Aug 08 06:30:41 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	70426	44.486	ug/l	96
42) 1,2-Dichloroethane	8.671	62	146833	54.411	ug/l	98
43) Isopropyl Acetate	8.688	43	214256	43.989	ug/l #	92
44) Trichloroethene	9.347	130	90989	51.602	ug/l	99
45) 1,2-Dichloropropane	9.618	63	94968	54.006	ug/l	97
46) Dibromomethane	9.706	93	67162	53.360	ug/l	98
47) Bromodichloromethane	9.888	83	147489	52.187	ug/l	100
48) Methyl methacrylate	9.682	41	103680	45.041	ug/l	93
49) 1,4-Dioxane	9.700	88	33974	818.077	ug/l	96
51) 4-Methyl-2-Pentanone	10.447	43	600280	227.987	ug/l	94
52) Toluene	10.629	92	250255	53.465	ug/l	96
53) t-1,3-Dichloropropene	10.835	75	149914	51.640	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	159923	51.792	ug/l	92
55) 1,1,2-Trichloroethane	11.012	97	88812	52.945	ug/l	94
56) Ethyl methacrylate	10.871	69	149324	47.221	ug/l	89
57) 1,3-Dichloropropane	11.165	76	158509	53.015	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	296599	221.891	ug/l	98
59) 2-Hexanone	11.194	43	460123	225.887	ug/l	93
60) Dibromochloromethane	11.359	129	106308	52.418	ug/l	97
61) 1,2-Dibromoethane	11.465	107	89391	50.729	ug/l	99
64) Tetrachloroethene	11.106	164	76046	50.089	ug/l	96
65) Chlorobenzene	11.888	112	259197	51.164	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.959	131	91126	51.003	ug/l	99
67) Ethyl Benzene	11.965	91	477566	51.388	ug/l	98
68) m/p-Xylenes	12.070	106	355697	102.176	ug/l	97
69) o-Xylene	12.400	106	173204	50.446	ug/l	99
70) Styrene	12.412	104	294175	51.014	ug/l	98
71) Bromoform	12.576	173	66912	49.435	ug/l #	100
73) Isopropylbenzene	12.694	105	456764	46.909	ug/l	100
74) N-amyl acetate	12.494	43	193699	40.669	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.935	83	127406	46.262	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	110289m	43.166	ug/l	
77) Bromobenzene	12.976	156	101561	46.953	ug/l	96
78) n-propylbenzene	13.035	91	526142	46.926	ug/l	100
79) 2-Chlorotoluene	13.123	91	336302	47.310	ug/l	96
80) 1,3,5-Trimethylbenzene	13.170	105	382975	46.979	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	50968	43.392	ug/l	89
82) 4-Chlorotoluene	13.223	91	332191	46.589	ug/l	97
83) tert-Butylbenzene	13.435	119	338918	46.946	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	393980	47.956	ug/l	98
85) sec-Butylbenzene	13.617	105	459905	46.687	ug/l	100
86) p-Isopropyltoluene	13.729	119	387564	47.650	ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	196894	48.376	ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	197160	48.050	ug/l	98
89) n-Butylbenzene	14.053	91	333632	47.339	ug/l	99
90) Hexachloroethane	14.335	117	72163	45.923	ug/l	93
91) 1,2-Dichlorobenzene	14.106	146	194456	49.373	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	26367	39.455	ug/l	96
93) 1,2,4-Trichlorobenzene	15.394	180	95547	43.302	ug/l	96
94) Hexachlorobutadiene	15.494	225	41693	42.488	ug/l	99
95) Naphthalene	15.641	128	323053	41.333	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	98075	44.921	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082324\
Data File : VN083447.D
Acq On : 23 Aug 2024 08:39
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/26/2024
Supervised By :Semsettin Yesilyurt 08/26/2024

Quant Time: Aug 23 23:52:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 08 06:30:41 2024
Response via : Initial Calibration

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\VN082324\
Data File : VN083447.D
Acq On : 23 Aug 2024 08:39
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 23 23:52:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 08 06:30:41 2024
Response via : Initial Calibration

Instrument :

MSVOA_N

ClientSampleId :

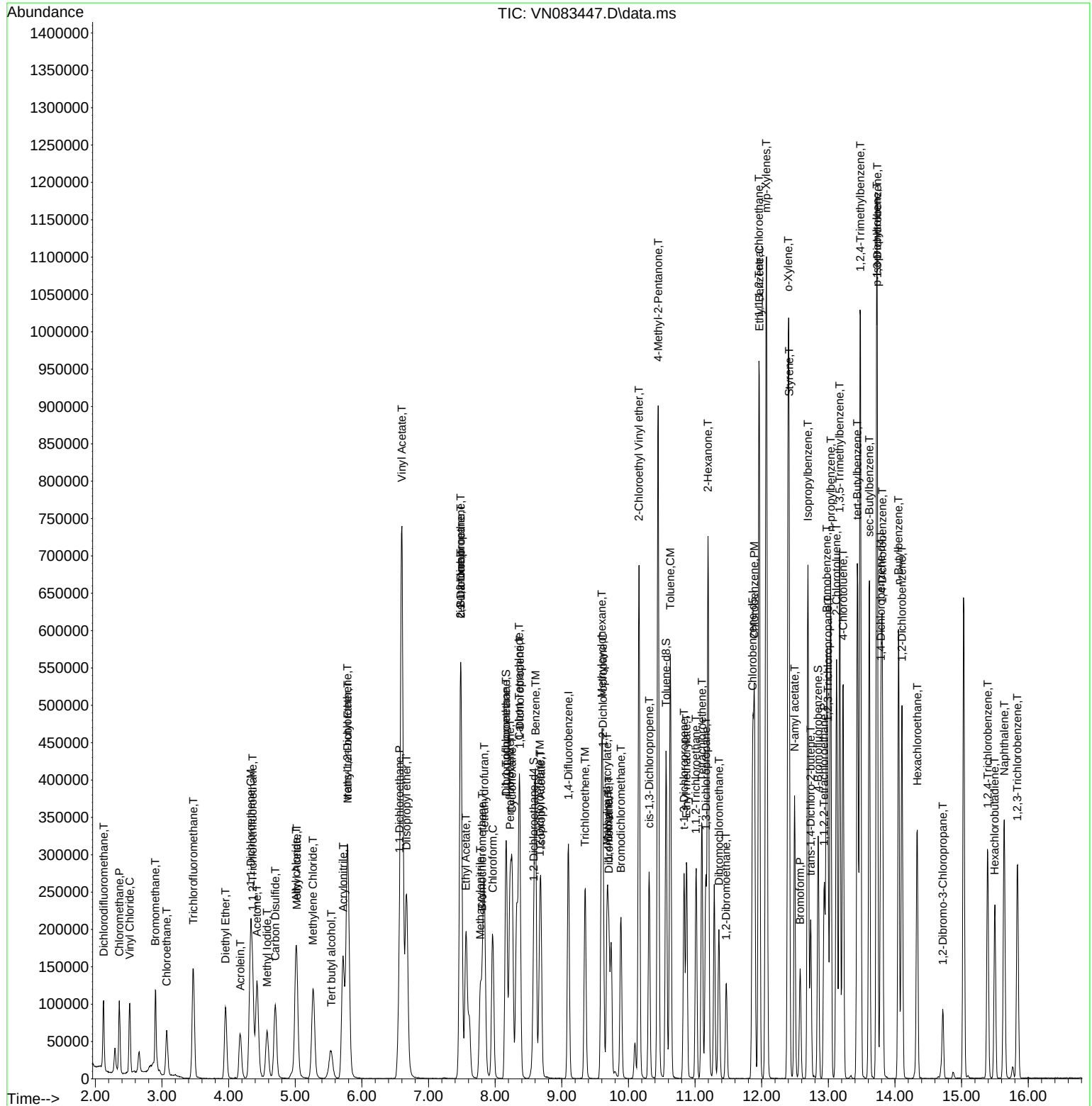
VSTDCCC050

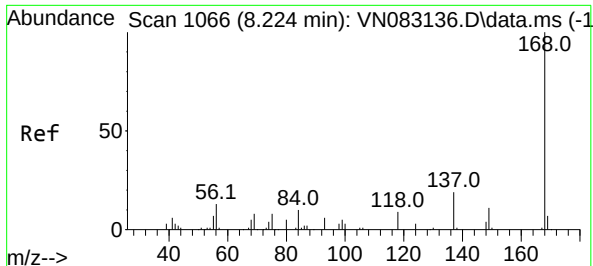
Manual Integrations

APPROVED

Reviewed By :John Carlone 08/26/2024

Supervised By :Semsettin Yesilyurt 08/26/2024





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083447.D
Acq: 23 Aug 2024 08:39

Instrument :

MSVOA_N

ClientSampleId :

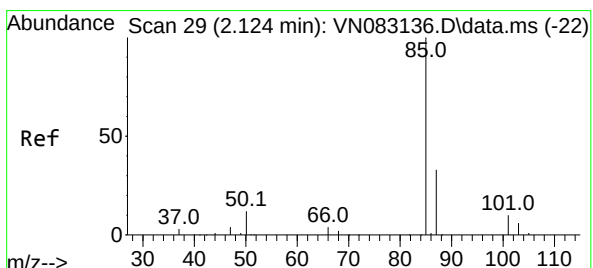
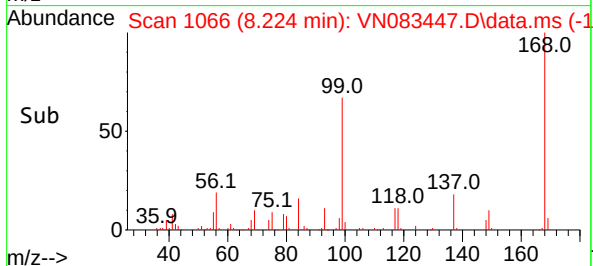
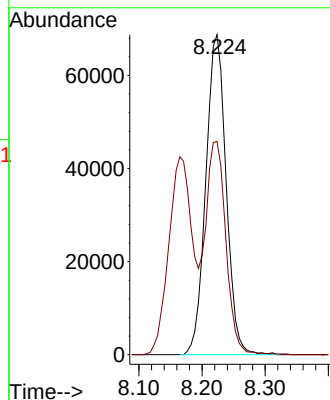
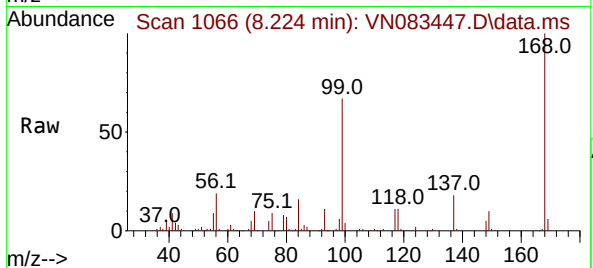
VSTDCCC050

Tgt Ion:168 Resp: 153400
Ion Ratio Lower Upper
168 100
99 66.4 48.2 72.4

Manual Integrations
APPROVED

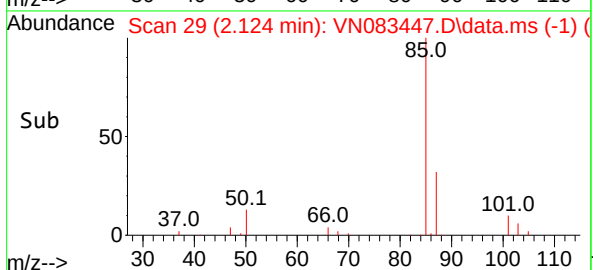
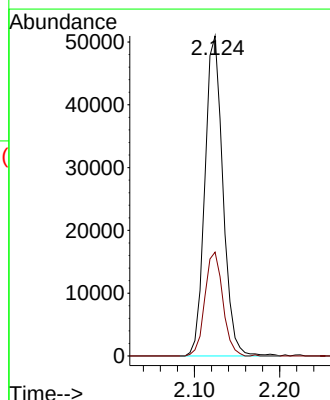
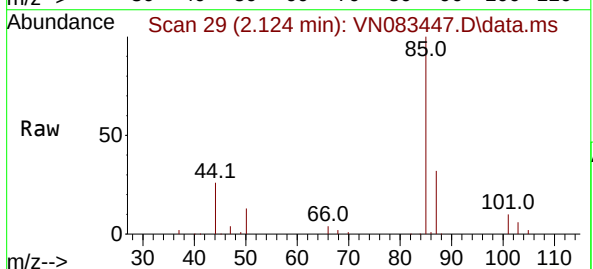
Reviewed By :John Carlone 08/26/2024

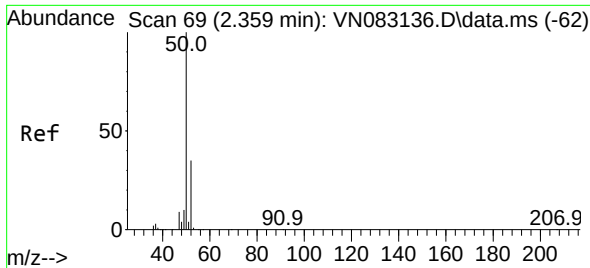
Supervised By :Semsettin Yesilyurt 08/26/2024



#2
Dichlorodifluoromethane
Concen: 43.126 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN083447.D
Acq: 23 Aug 2024 08:39

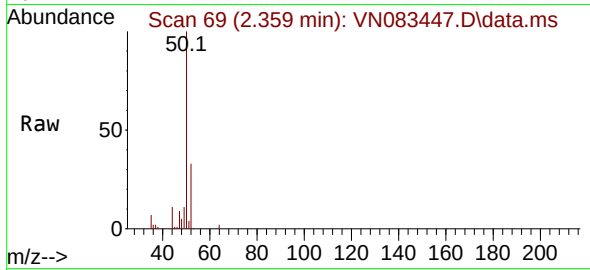
Tgt Ion: 85 Resp: 75024
Ion Ratio Lower Upper
85 100
87 32.4 15.7 47.0





#3
Chloromethane
Concen: 49.327 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN083447.D
Acq: 23 Aug 2024 08:39

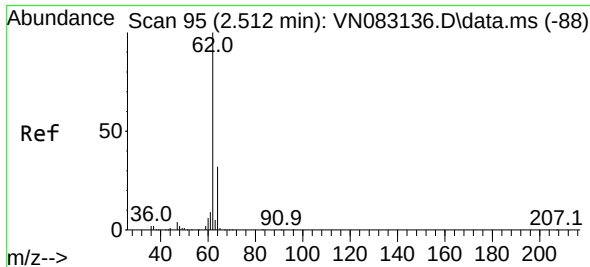
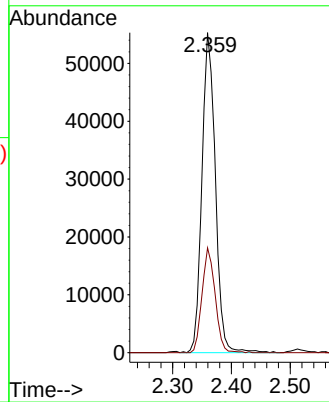
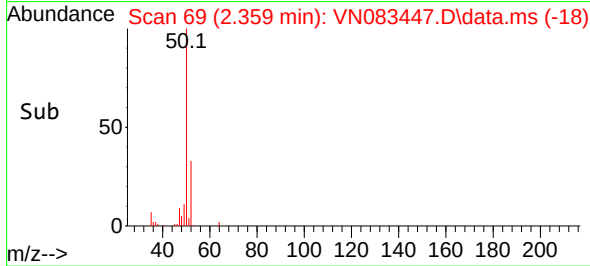
Instrument :
MSVOA_N
ClientSampleId :
VSTDC050



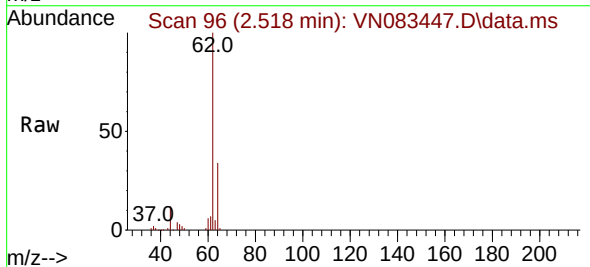
Tgt Ion: 50 Resp: 8785
Ion Ratio Lower Upper
50 100
52 32.8 25.0 37.4

Manual Integrations
APPROVED

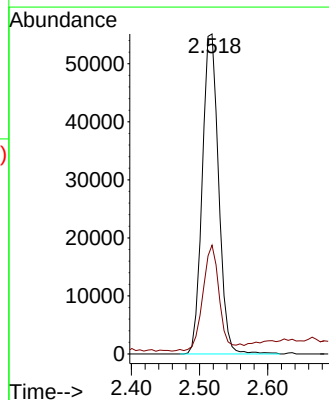
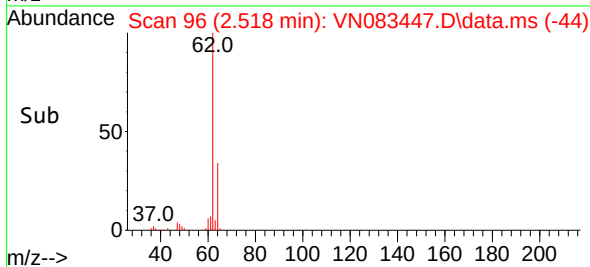
Reviewed By :John Carlone 08/26/2024
Supervised By :Semsettin Yesilyurt 08/26/2024

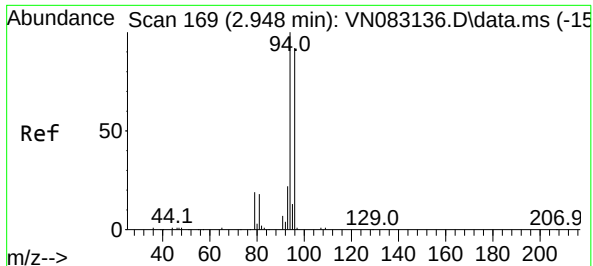


#4
Vinyl Chloride
Concen: 50.605 ug/l
RT: 2.518 min Scan# 96
Delta R.T. 0.006 min
Lab File: VN083447.D
Acq: 23 Aug 2024 08:39



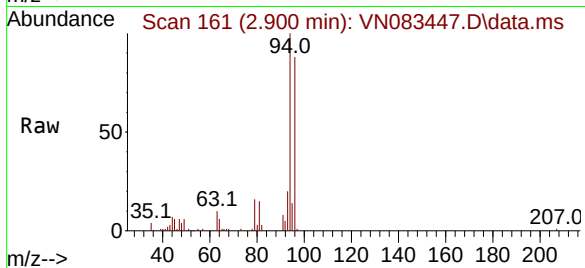
Tgt Ion: 62 Resp: 91967
Ion Ratio Lower Upper
62 100
64 32.6 25.0 37.6





#5
Bromomethane
Concen: 42.015 ug/l
RT: 2.900 min Scan# 11
Delta R.T. -0.047 min
Lab File: VN083447.D
Acq: 23 Aug 2024 08:39

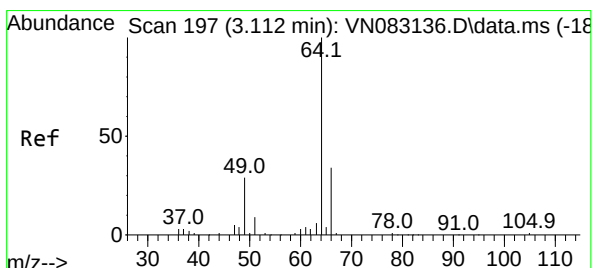
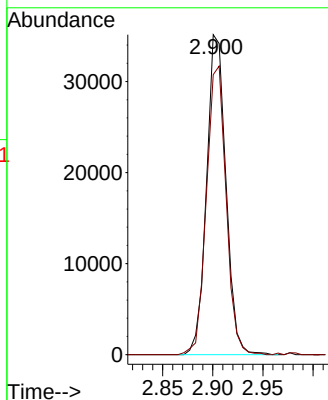
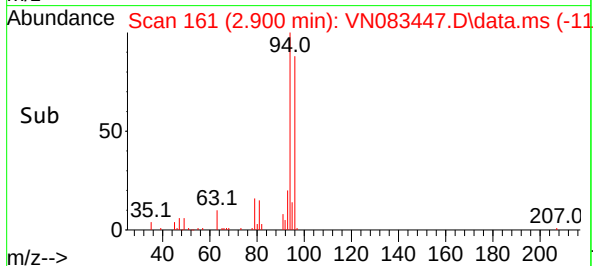
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 94 Resp: 47379
Ion Ratio Lower Upper
94 100
96 87.5 78.0 117.0

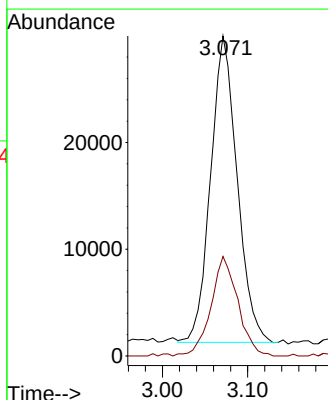
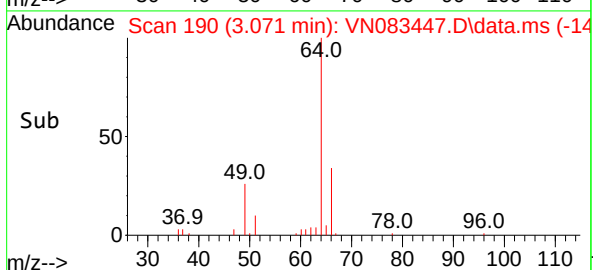
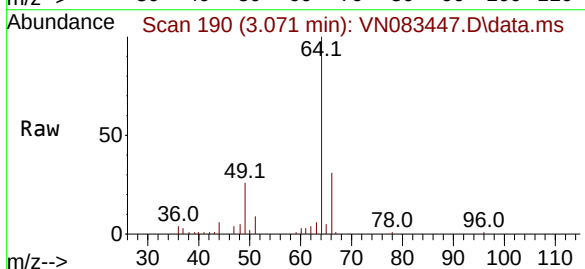
Manual Integrations
APPROVED

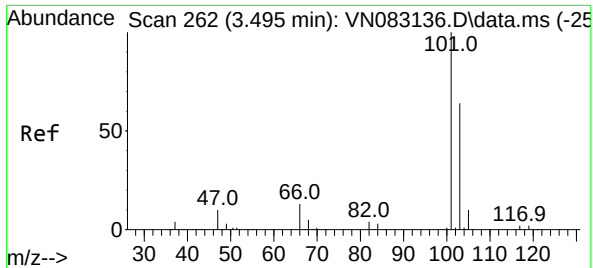
Reviewed By :John Carlone 08/26/2024
Supervised By :Semsettin Yesilyurt 08/26/2024



#6
Chloroethane
Concen: 54.663 ug/l
RT: 3.071 min Scan# 190
Delta R.T. -0.041 min
Lab File: VN083447.D
Acq: 23 Aug 2024 08:39

Tgt Ion: 64 Resp: 62152
Ion Ratio Lower Upper
64 100
66 32.5 26.6 40.0





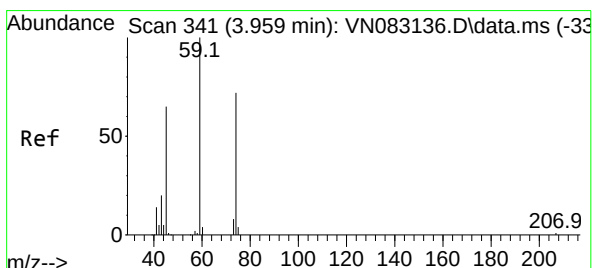
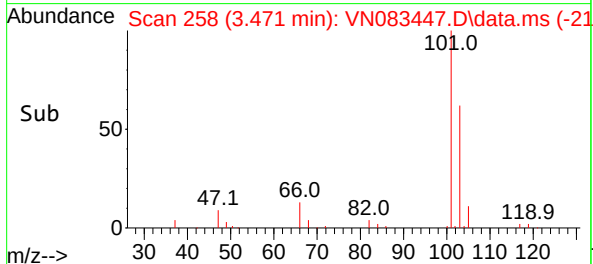
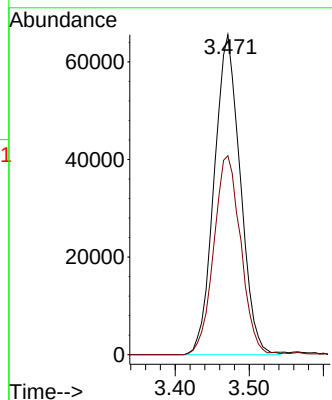
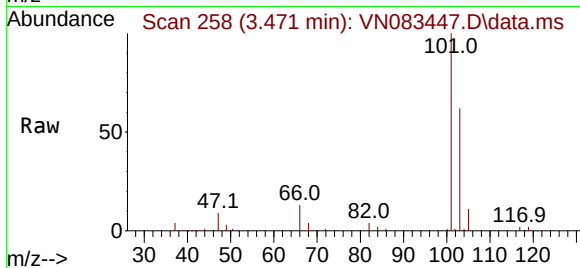
#7
Trichlorofluoromethane
Concen: 53.406 ug/l
RT: 3.471 min Scan# 210
Delta R.T. -0.024 min
Lab File: VN083447.D
Acq: 23 Aug 2024 08:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 160330
Ion Ratio Lower Upper
101 100
103 62.1 52.7 79.1

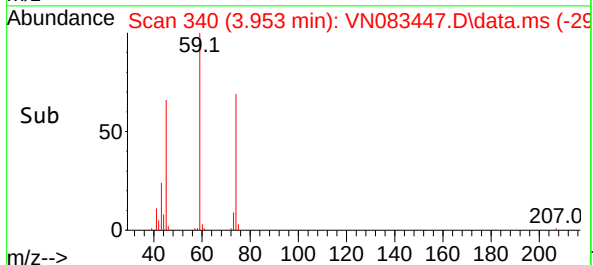
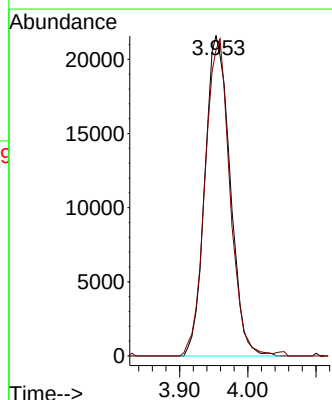
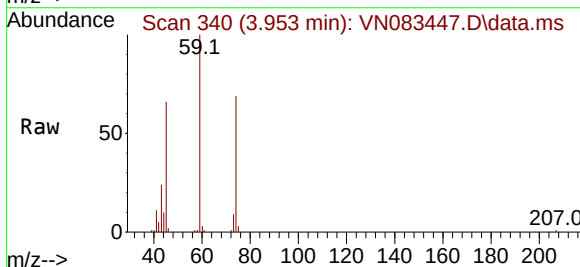
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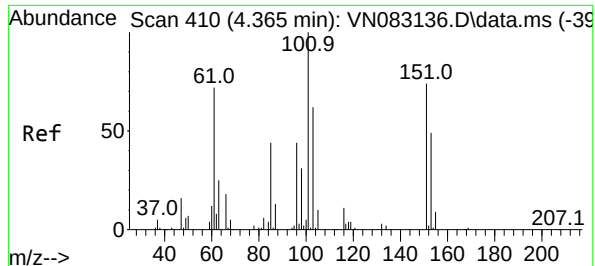
Reviewed By :John Carlone 08/26/2024
Supervised By :Semsettin Yesilyurt 08/26/2024



#8
Diethyl Ether
Concen: 49.616 ug/l
RT: 3.953 min Scan# 340
Delta R.T. -0.006 min
Lab File: VN083447.D
Acq: 23 Aug 2024 08:39

Tgt Ion: 74 Resp: 55429
Ion Ratio Lower Upper
74 100
45 97.8 55.5 166.3





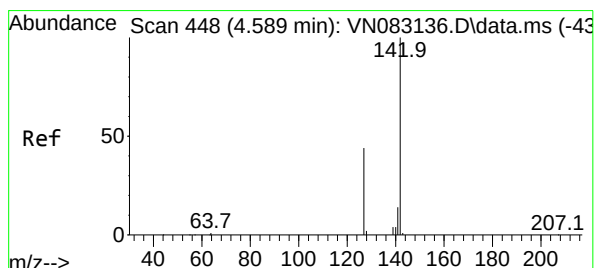
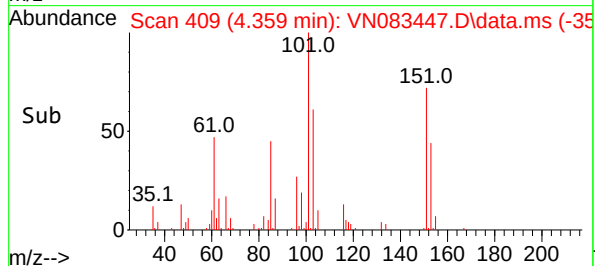
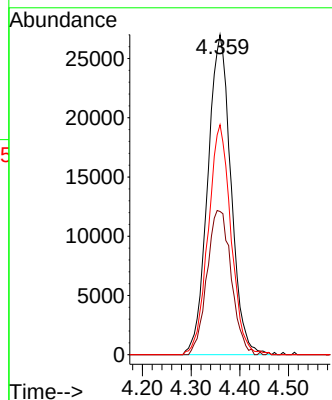
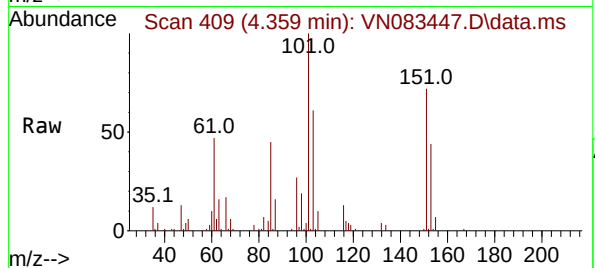
#9
1,1,2-Trichlorotrifluoroethane
Concen: 53.974 ug/l
RT: 4.359 min Scan# 409
Delta R.T. -0.006 min
Lab File: VN083447.D
Acq: 23 Aug 2024 08:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 89340
Ion Ratio Lower Upper
101 100
85 47.0 38.3 57.5
151 70.6 59.3 88.9

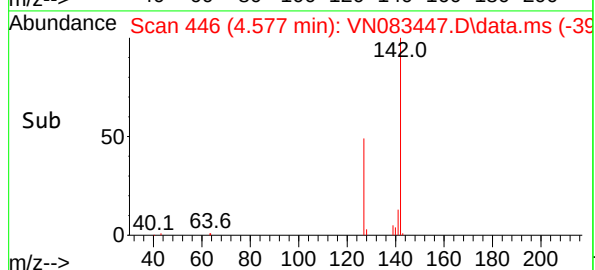
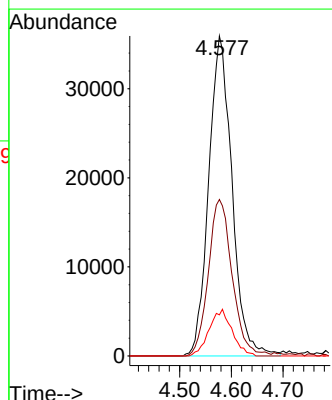
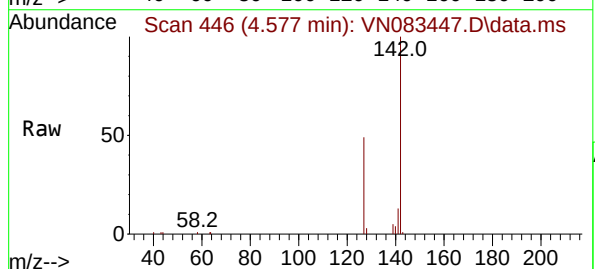
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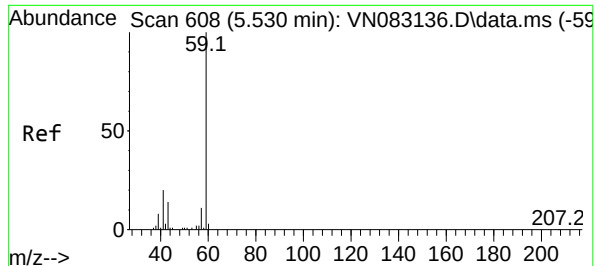
Reviewed By :John Carlone 08/26/2024
Supervised By :Semsettin Yesilyurt 08/26/2024



#10
Methyl Iodide
Concen: 51.603 ug/l
RT: 4.577 min Scan# 446
Delta R.T. -0.012 min
Lab File: VN083447.D
Acq: 23 Aug 2024 08:39

Tgt Ion:142 Resp: 112358
Ion Ratio Lower Upper
142 100
127 48.9 37.5 56.3
141 12.9 13.1 19.7#





#11

Tert butyl alcohol

Concen: 174.012 ug/l

RT: 5.541 min Scan# 61

Delta R.T. 0.012 min

Lab File: VN083447.D

Acq: 23 Aug 2024 08:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDC050

Tgt Ion: 59 Resp: 78964

Ion Ratio Lower Upper

59 100

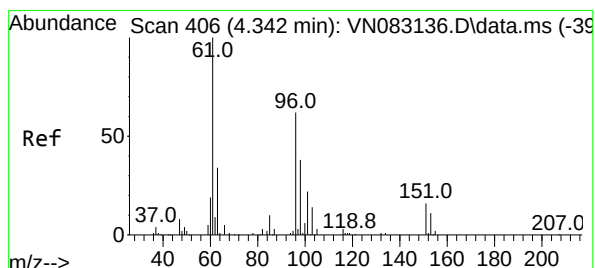
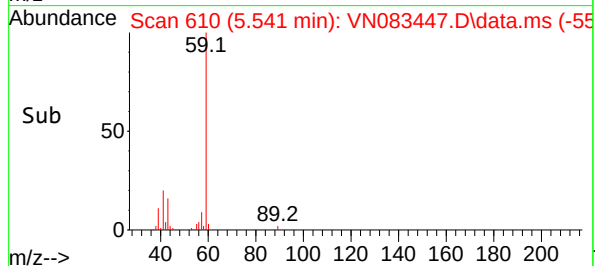
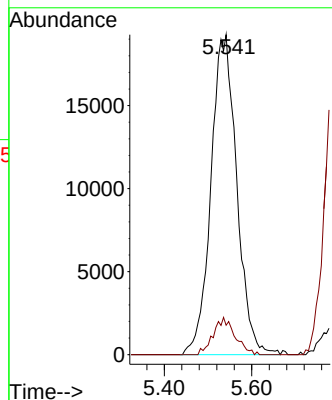
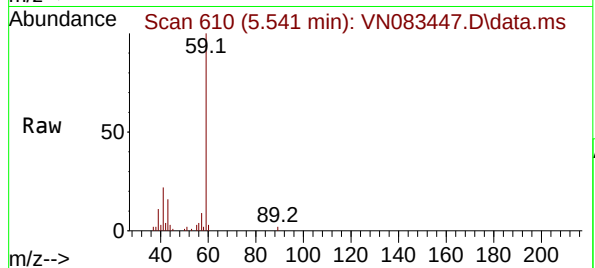
57 9.8 8.9 13.3

Manual Integrations

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Reviewed By :John Carlone 08/26/2024

Supervised By :Semsettin Yesilyurt 08/26/2024



#12

1,1-Dichloroethene

Concen: 48.496 ug/l

RT: 4.330 min Scan# 404

Delta R.T. -0.012 min

Lab File: VN083447.D

Acq: 23 Aug 2024 08:39

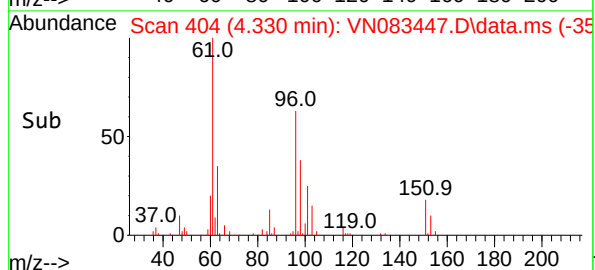
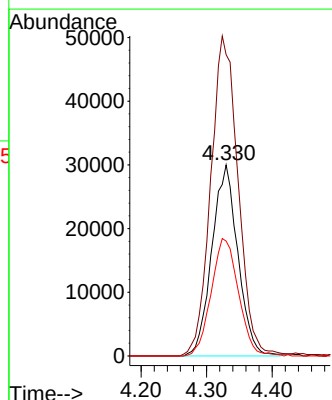
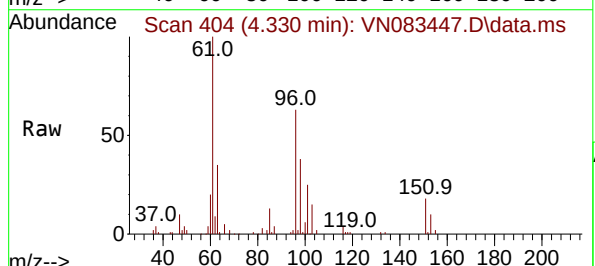
Tgt Ion: 96 Resp: 82469

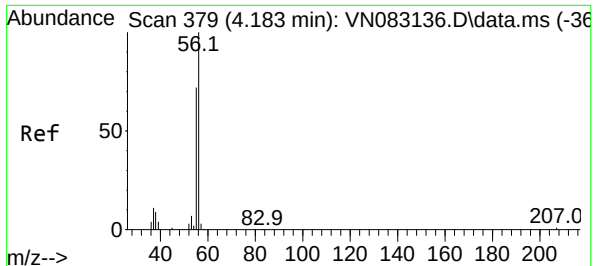
Ion Ratio Lower Upper

96 100

61 157.8 149.7 224.5

98 60.2 50.1 75.1





#13

Acrolein

Concen: 262.359 ug/l

RT: 4.177 min Scan# 31

Delta R.T. -0.006 min

Lab File: VN083447.D

Acq: 23 Aug 2024 08:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDC050

Tgt Ion: 56 Resp: 7759

Ion Ratio Lower Upper

56 100

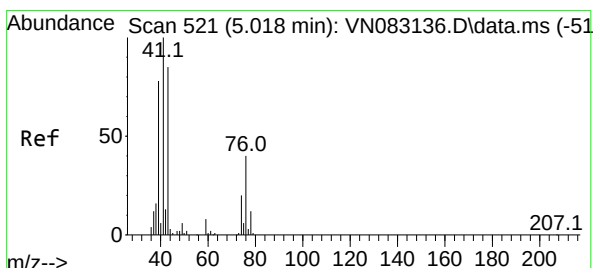
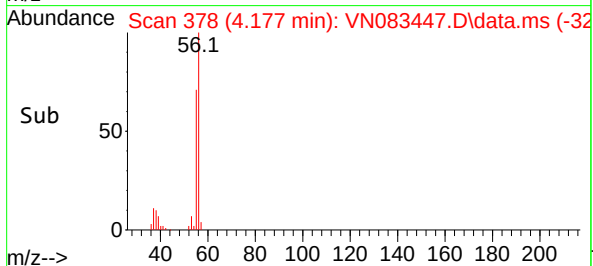
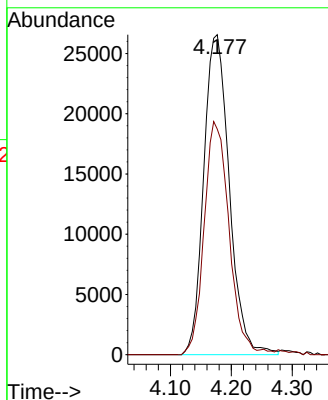
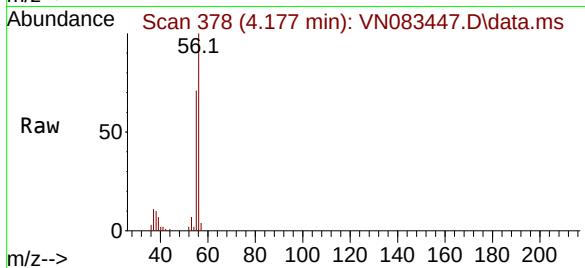
55 71.1 56.4 84.6

Manual Integrations

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Reviewed By :John Carlone 08/26/2024

Supervised By :Semsettin Yesilyurt 08/26/2024



#14

Allyl chloride

Concen: 47.406 ug/l

RT: 5.012 min Scan# 520

Delta R.T. -0.006 min

Lab File: VN083447.D

Acq: 23 Aug 2024 08:39

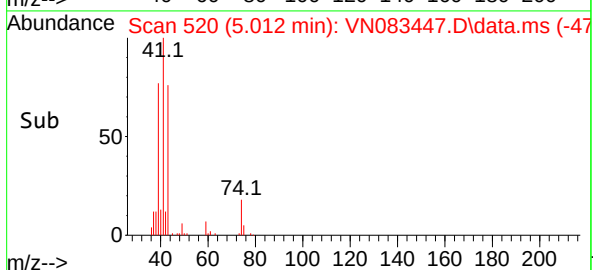
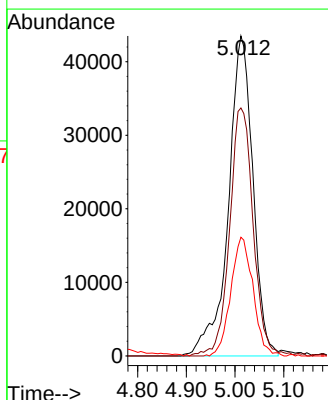
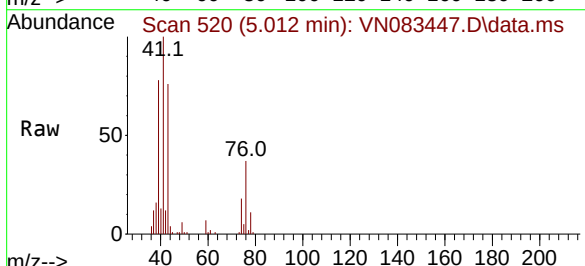
Tgt Ion: 41 Resp: 152343

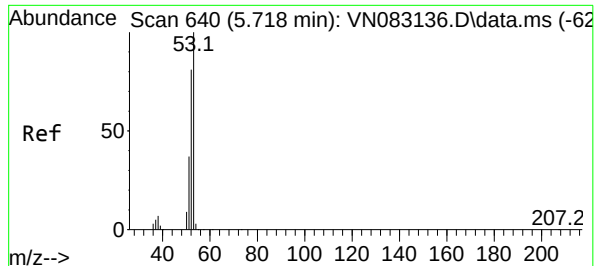
Ion Ratio Lower Upper

41 100

39 74.3 67.8 101.6

76 33.7 25.8 38.8





#15

Acrylonitrile

Concen: 230.519 ug/l

RT: 5.718 min Scan# 64

Delta R.T. -0.000 min

Lab File: VN083447.D

Acq: 23 Aug 2024 08:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 53 Resp: 21513

Ion Ratio Lower Upper

53 100

52 82.1 66.6 100.0

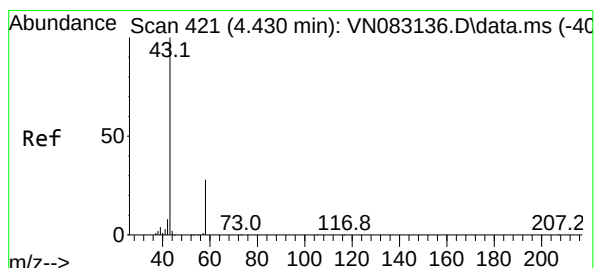
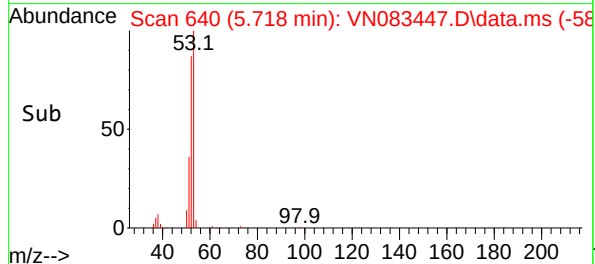
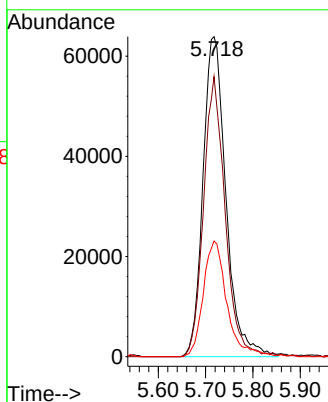
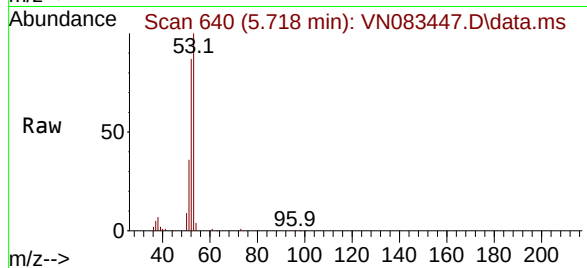
51 37.0 30.1 45.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/26/2024

Supervised By :Semsettin Yesilyurt 08/26/2024



#16

Acetone

Concen: 284.683 ug/l

RT: 4.424 min Scan# 420

Delta R.T. -0.006 min

Lab File: VN083447.D

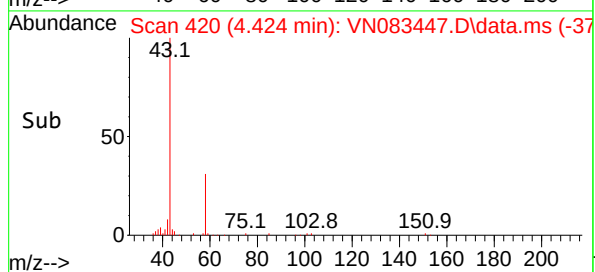
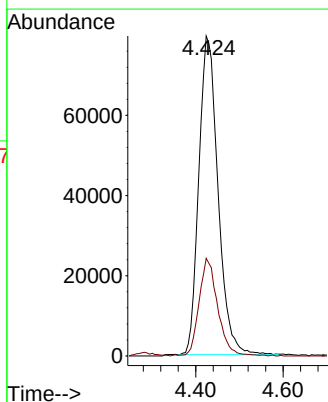
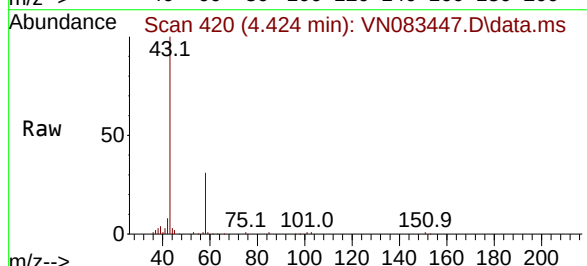
Acq: 23 Aug 2024 08:39

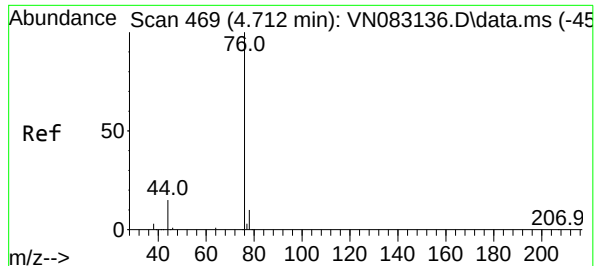
Tgt Ion: 43 Resp: 243239

Ion Ratio Lower Upper

43 100

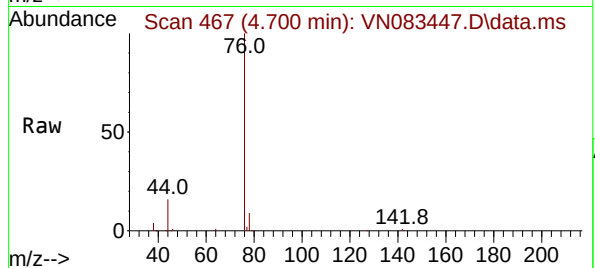
58 30.6 21.8 32.6





#17
Carbon Disulfide
Concen: 44.992 ug/l
RT: 4.700 min Scan# 467
Delta R.T. -0.012 min
Lab File: VN083447.D
Acq: 23 Aug 2024 08:39

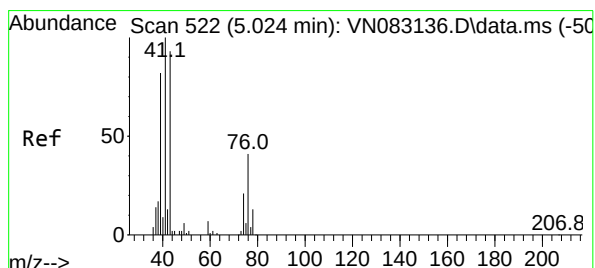
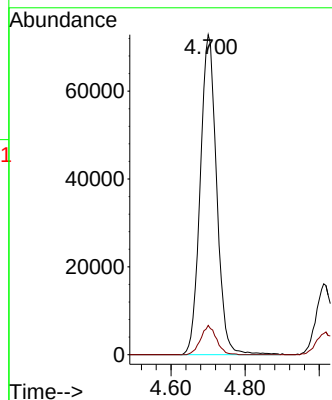
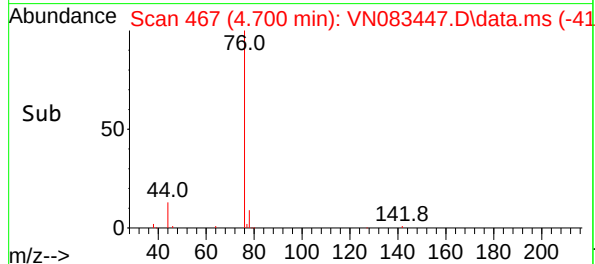
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 76 Resp: 223869
Ion Ratio Lower Upper
76 100
78 9.2 7.2 10.8

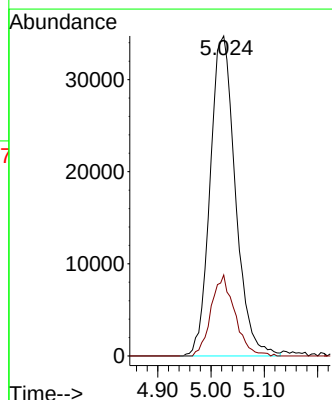
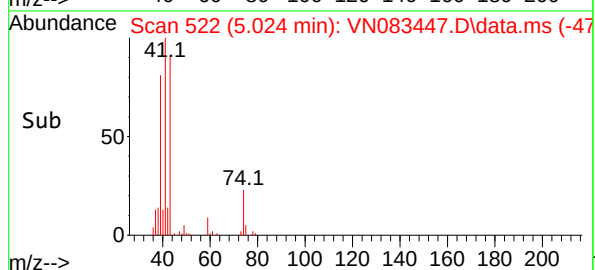
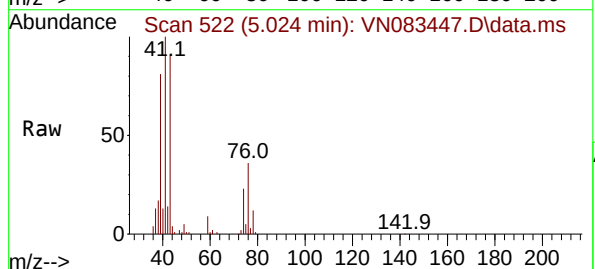
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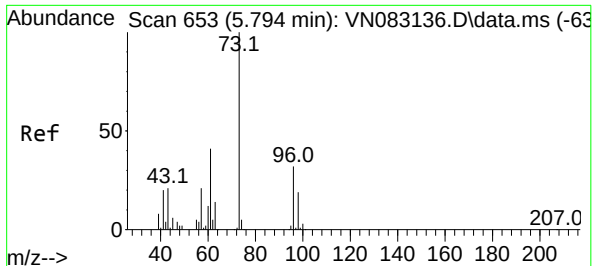
Reviewed By :John Carlone 08/26/2024
Supervised By :Semsettin Yesilyurt 08/26/2024



#18
Methyl Acetate
Concen: 44.962 ug/l
RT: 5.024 min Scan# 522
Delta R.T. -0.000 min
Lab File: VN083447.D
Acq: 23 Aug 2024 08:39

Tgt Ion: 43 Resp: 114459
Ion Ratio Lower Upper
43 100
74 23.8 16.3 24.5





#19

Methyl tert-butyl Ether

Concen: 49.818 ug/l

RT: 5.789 min Scan# 61

Delta R.T. -0.006 min

Lab File: VN083447.D

Acq: 23 Aug 2024 08:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 73 Resp: 30578

Ion Ratio Lower Upper

73 100

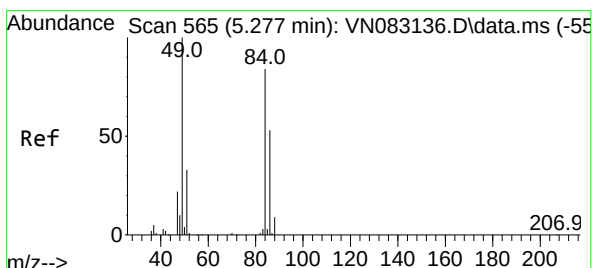
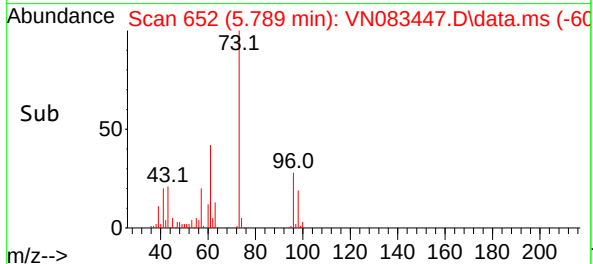
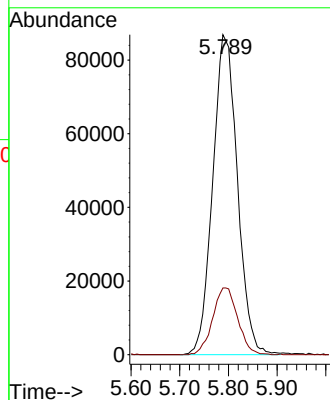
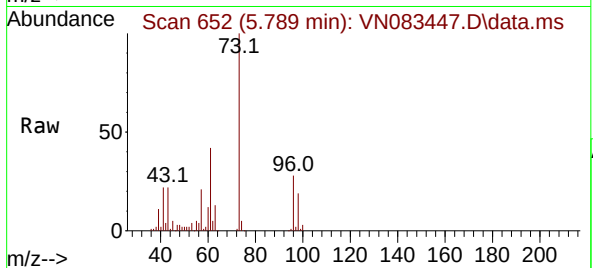
57 20.9 17.9 26.9

Manual Integrations

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Reviewed By :John Carlone 08/26/2024

Supervised By :Semsettin Yesilyurt 08/26/2024



#20

Methylene Chloride

Concen: 49.072 ug/l

RT: 5.265 min Scan# 563

Delta R.T. -0.012 min

Lab File: VN083447.D

Acq: 23 Aug 2024 08:39

Tgt Ion: 84 Resp: 96495

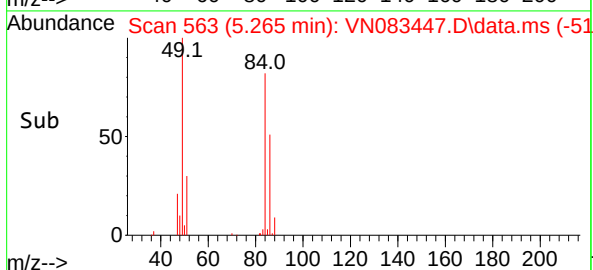
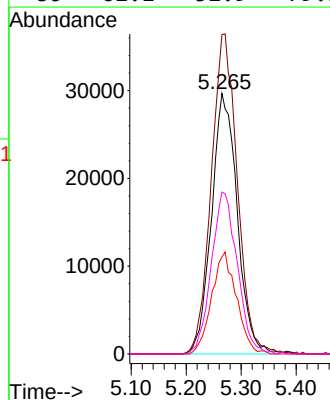
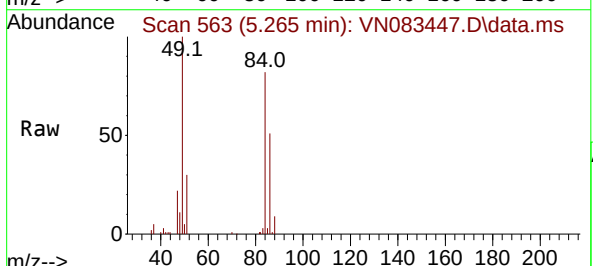
Ion Ratio Lower Upper

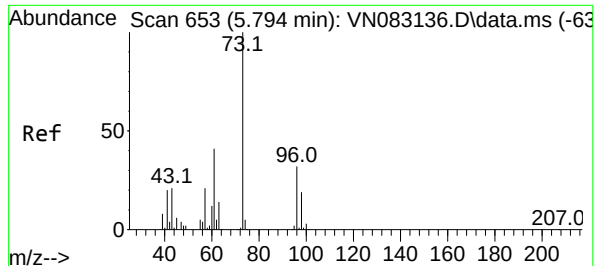
84 100

49 122.6 119.6 179.4

51 37.2 34.8 52.2

86 62.1 52.9 79.3





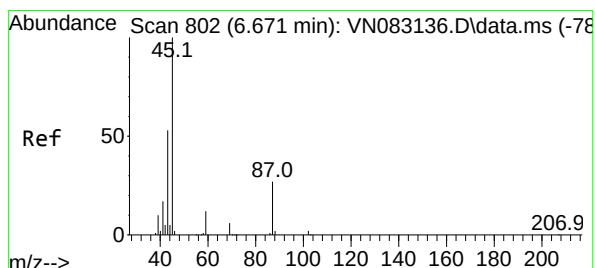
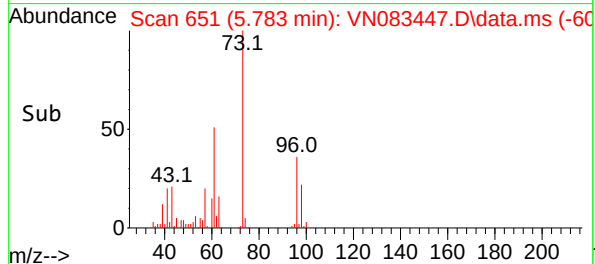
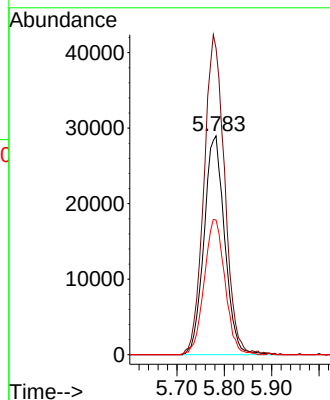
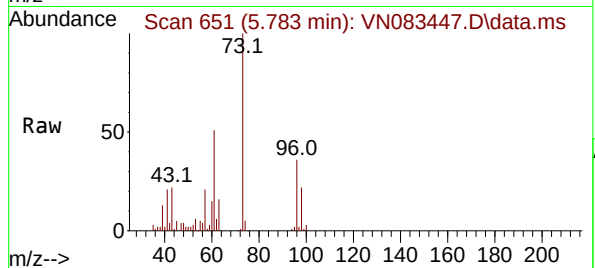
#21
trans-1,2-Dichloroethene
Concen: 50.024 ug/l
RT: 5.783 min Scan# 61
Delta R.T. -0.012 min
Lab File: VN083447.D
Acq: 23 Aug 2024 08:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 8792
Ion Ratio Lower Upper
96 100
61 140.0 123.4 185.2
98 61.5 49.3 73.9

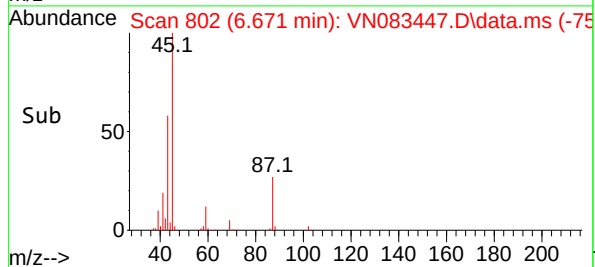
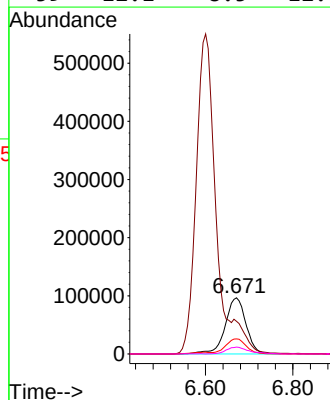
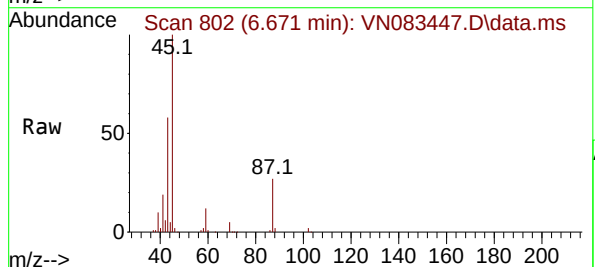
Manual Integrations
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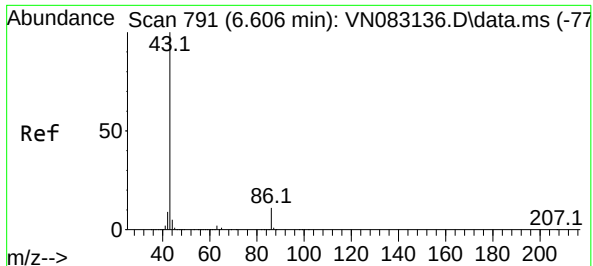
Reviewed By :John Carlone 08/26/2024
Supervised By :Semsettin Yesilyurt 08/26/2024



#22
Diisopropyl ether
Concen: 52.704 ug/l
RT: 6.671 min Scan# 802
Delta R.T. -0.000 min
Lab File: VN083447.D
Acq: 23 Aug 2024 08:39

Tgt Ion: 45 Resp: 318365
Ion Ratio Lower Upper
45 100
43 56.9 44.0 66.0
87 26.8 19.7 29.5
59 12.1 8.5 12.7





#23

Vinyl Acetate

Concen: 263.297 ug/l

RT: 6.600 min Scan# 791

Delta R.T. -0.006 min

Lab File: VN083447.D

Acq: 23 Aug 2024 08:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 1630218

Ion Ratio Lower Upper

43 100

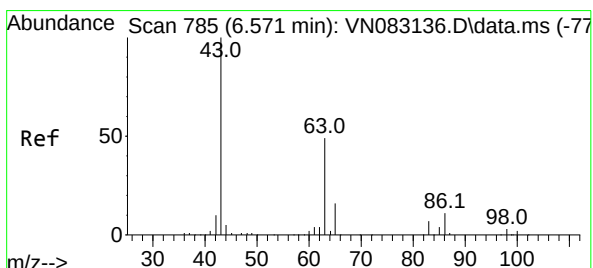
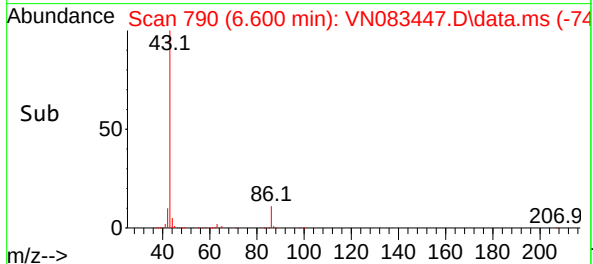
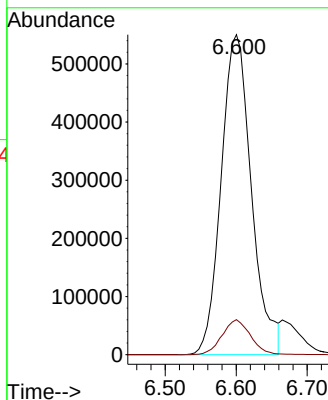
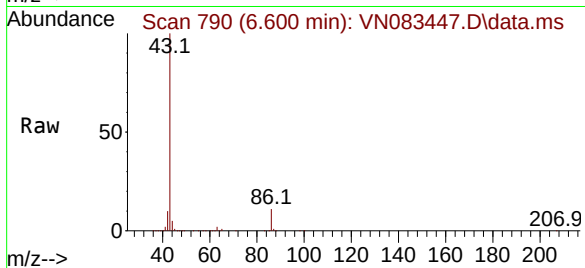
86 10.9 7.3 10.9

Manual Integrations

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Reviewed By :John Carlone 08/26/2024

Supervised By :Semsettin Yesilyurt 08/26/2024



#24

1,1-Dichloroethane

Concen: 53.945 ug/l

RT: 6.565 min Scan# 784

Delta R.T. -0.006 min

Lab File: VN083447.D

Acq: 23 Aug 2024 08:39

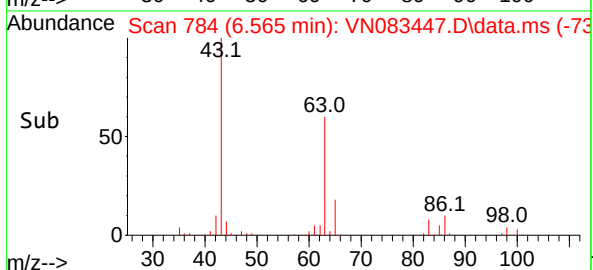
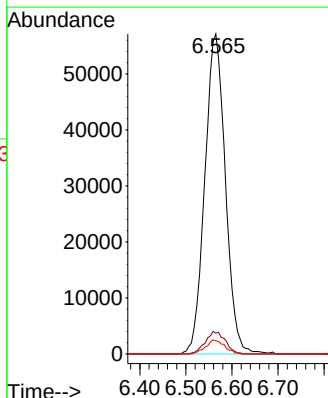
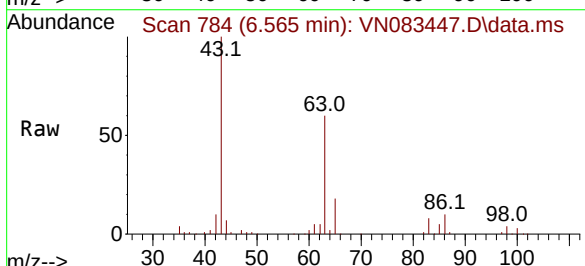
Tgt Ion: 63 Resp: 177618

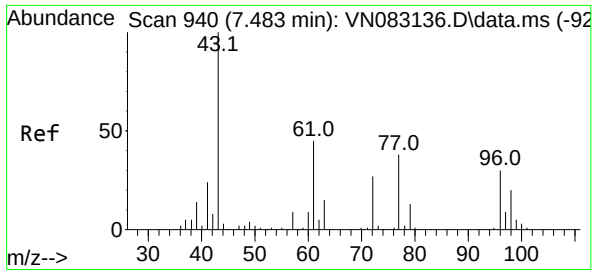
Ion Ratio Lower Upper

63 100

98 6.5 3.3 9.9

100 4.2 2.0 6.0





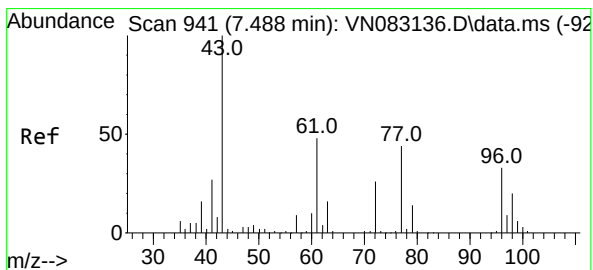
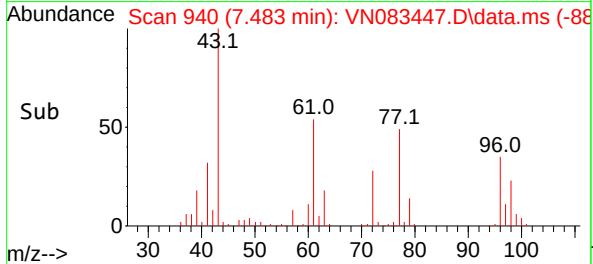
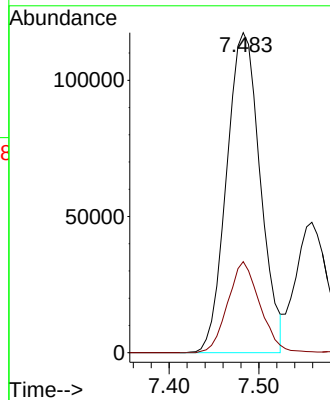
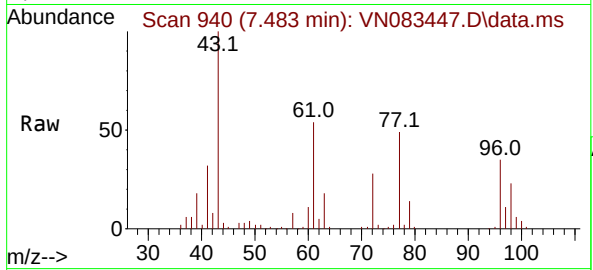
#25
2-Butanone
Concen: 233.750 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN083447.D
Acq: 23 Aug 2024 08:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 30666
Ion Ratio Lower Upper
43 100
72 28.5 18.2 27.2

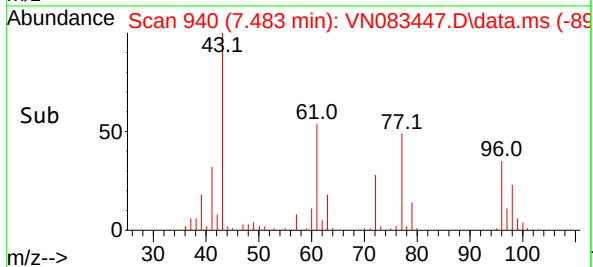
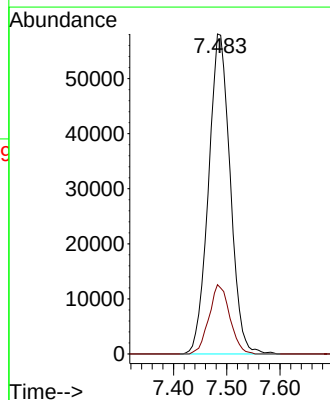
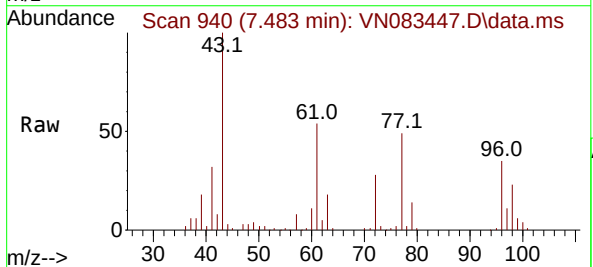
Manual Integrations
APPROVED

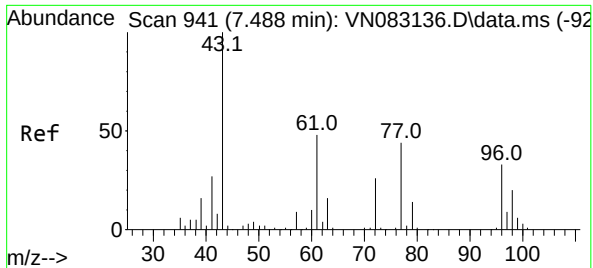
Reviewed By :John Carlone 08/26/2024
Supervised By :Semsettin Yesilyurt 08/26/2024



#26
2,2-Dichloropropane
Concen: 53.666 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.006 min
Lab File: VN083447.D
Acq: 23 Aug 2024 08:39

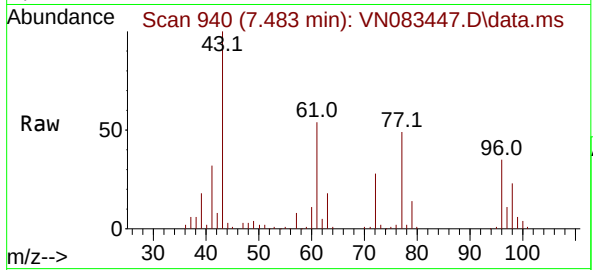
Tgt Ion: 77 Resp: 164096
Ion Ratio Lower Upper
77 100
97 20.7 10.3 30.9





#27
cis-1,2-Dichloroethene
Concen: 51.562 ug/l
RT: 7.483 min Scan# 941
Delta R.T. -0.006 min
Lab File: VN083447.D
Acq: 23 Aug 2024 08:39

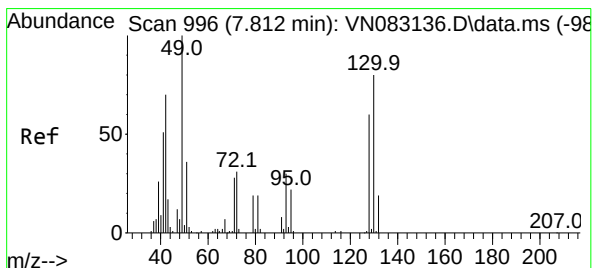
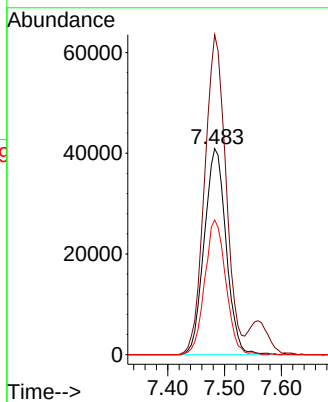
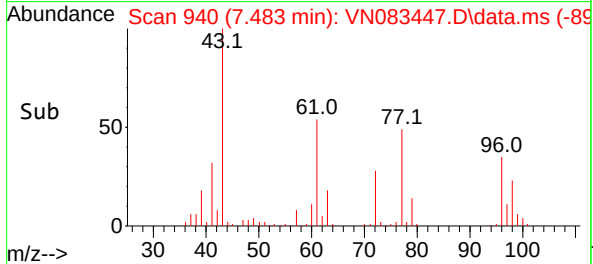
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 96 Resp: 10935
Ion Ratio Lower Upper
96 100
61 151.7 0.0 329.6
98 63.0 0.0 128.6

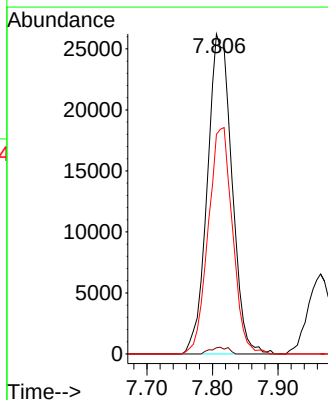
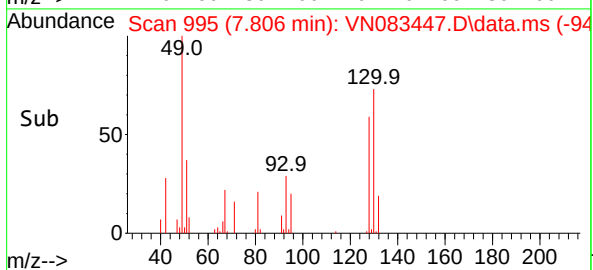
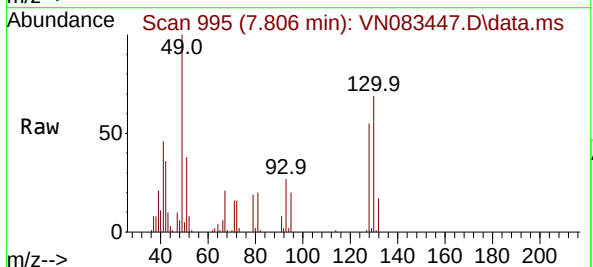
Manual Integrations
APPROVED

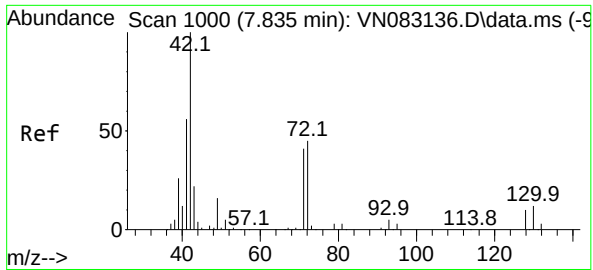
Reviewed By :John Carlone 08/26/2024
Supervised By :Semsettin Yesilyurt 08/26/2024



#28
Bromochloromethane
Concen: 50.601 ug/l
RT: 7.806 min Scan# 995
Delta R.T. -0.006 min
Lab File: VN083447.D
Acq: 23 Aug 2024 08:39

Tgt Ion: 49 Resp: 68087
Ion Ratio Lower Upper
49 100
129 1.6 0.0 3.8
130 70.1 50.5 75.7





#29

Tetrahydrofuran

Concen: 219.657 ug/l

RT: 7.835 min Scan# 1000

Delta R.T. -0.000 min

Lab File: VN083447.D

Acq: 23 Aug 2024 08:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 42 Resp: 18628

Ion Ratio Lower Upper

42 100

72 44.0 30.0 45.0

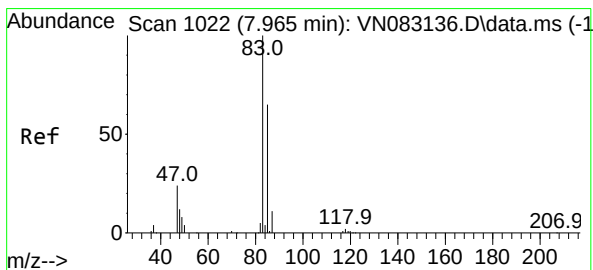
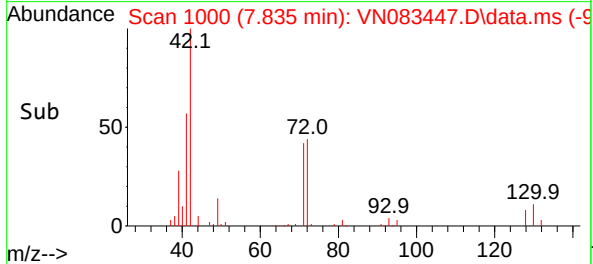
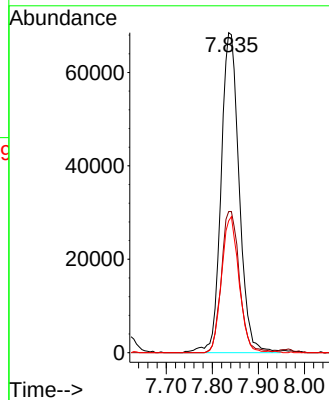
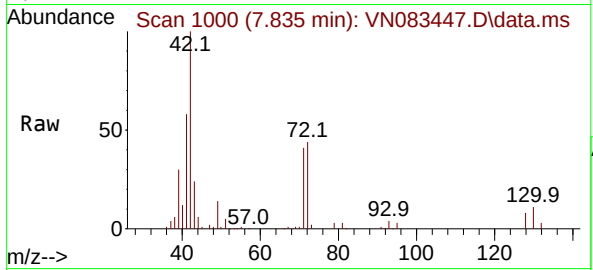
71 40.9 28.3 42.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/26/2024

Supervised By :Semsettin Yesilyurt 08/26/2024



#30

Chloroform

Concen: 54.589 ug/l

RT: 7.965 min Scan# 1022

Delta R.T. -0.000 min

Lab File: VN083447.D

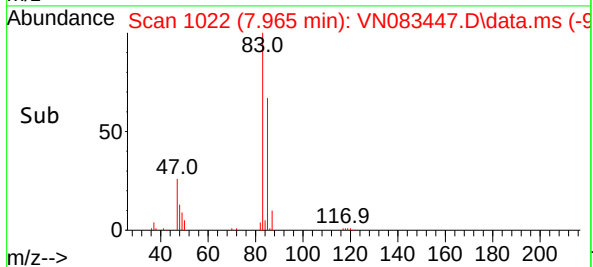
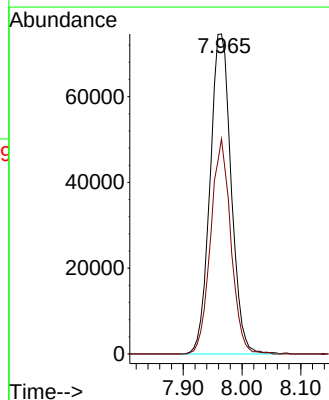
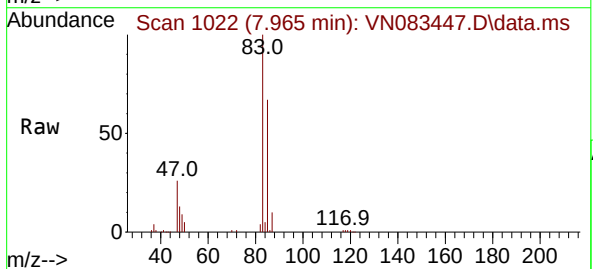
Acq: 23 Aug 2024 08:39

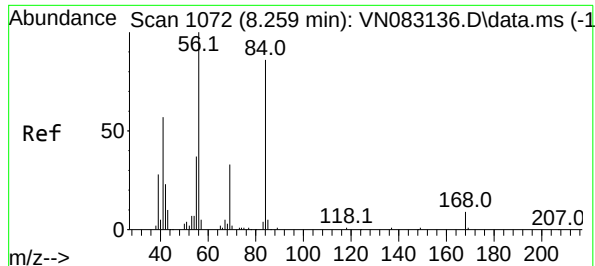
Tgt Ion: 83 Resp: 186732

Ion Ratio Lower Upper

83 100

85 67.2 50.9 76.3





#31

Cyclohexane

Concen: 47.504 ug/l

RT: 8.253 min Scan# 1071

Delta R.T. -0.006 min

Lab File: VN083447.D

Acq: 23 Aug 2024 08:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 153719

Ion Ratio Lower Upper

56 100

69 32.2 24.5 36.7

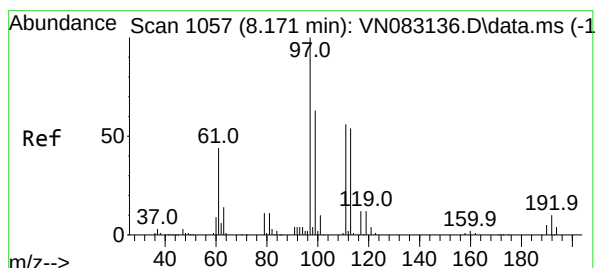
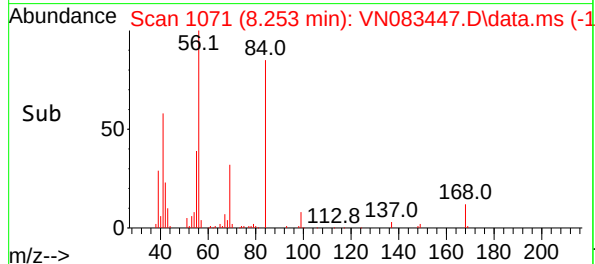
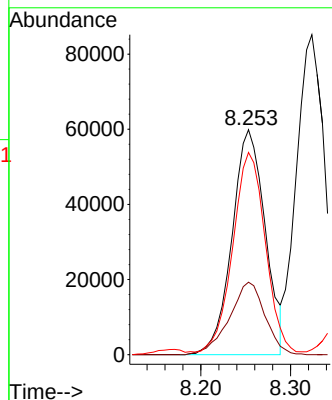
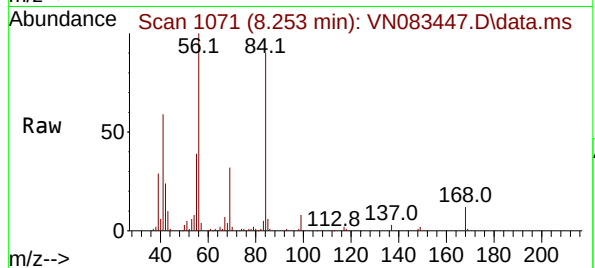
84 87.8 66.0 99.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/26/2024

Supervised By :Semsettin Yesilyurt 08/26/2024



#32

1,1,1-Trichloroethane

Concen: 52.920 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.006 min

Lab File: VN083447.D

Acq: 23 Aug 2024 08:39

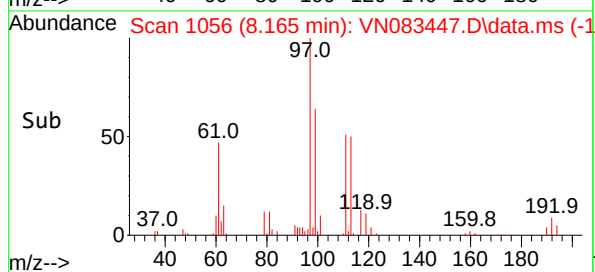
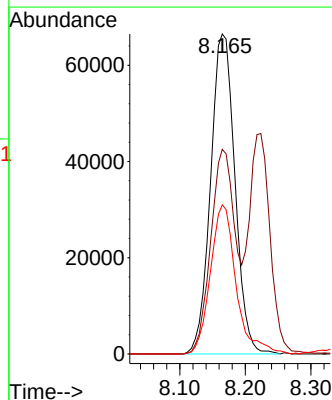
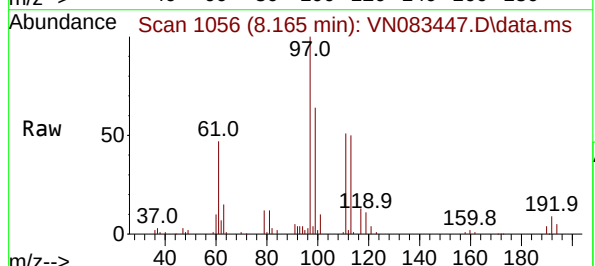
Tgt Ion: 97 Resp: 171350

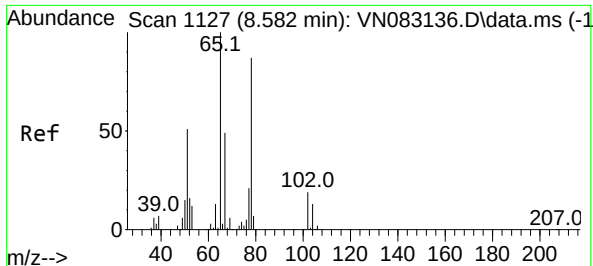
Ion Ratio Lower Upper

97 100

99 64.5 52.0 78.0

61 49.3 42.1 63.1





#33

1,2-Dichloroethane-d4

Concen: 49.835 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.005 min

Lab File: VN083447.D

Acq: 23 Aug 2024 08:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 65 Resp: 10881

Ion Ratio Lower Upper

65 100

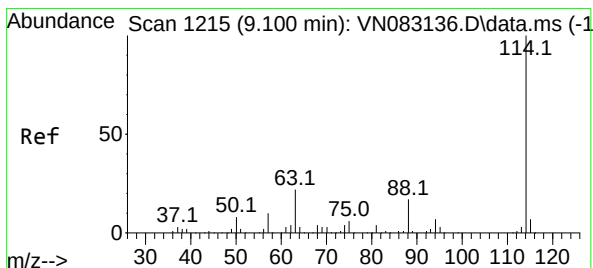
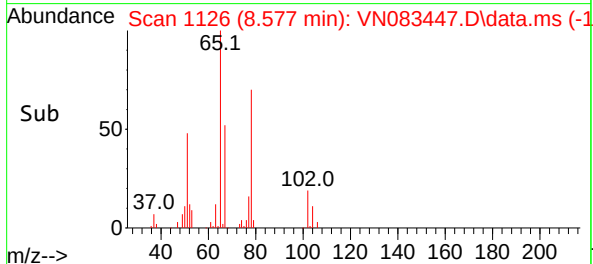
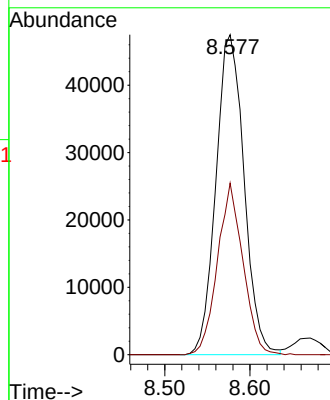
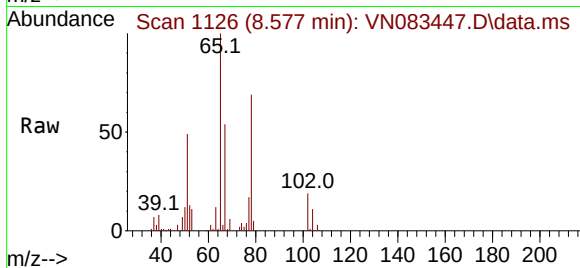
67 48.7 0.0 104.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/26/2024

Supervised By :Semsettin Yesilyurt 08/26/2024



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN083447.D

Acq: 23 Aug 2024 08:39

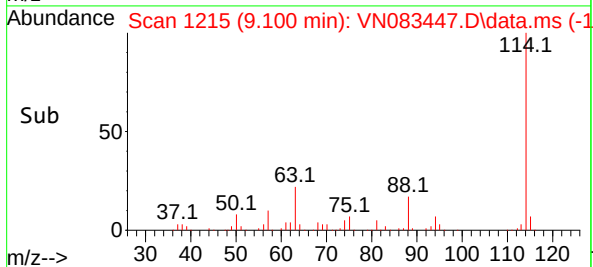
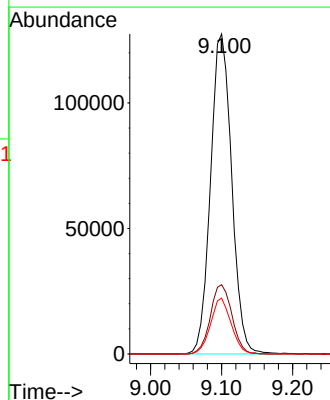
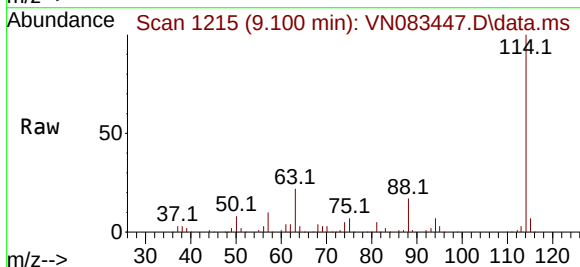
Tgt Ion:114 Resp: 263368

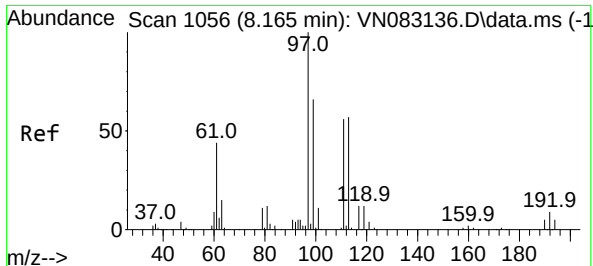
Ion Ratio Lower Upper

114 100

63 21.7 0.0 44.6

88 17.4 0.0 31.4





#35

Dibromofluoromethane

Concen: 48.224 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN083447.D

Acq: 23 Aug 2024 08:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

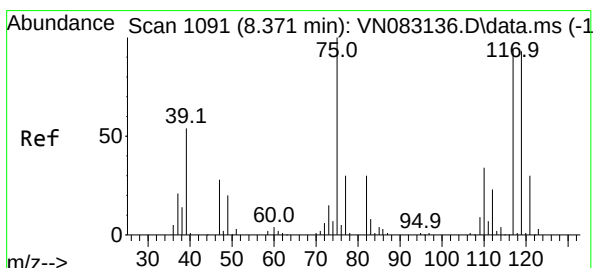
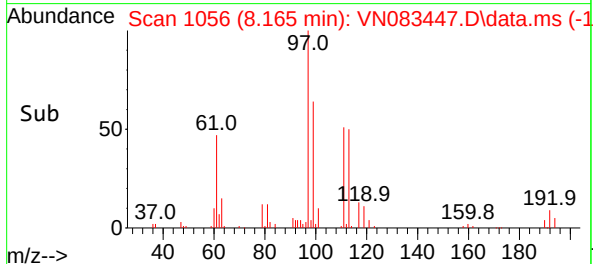
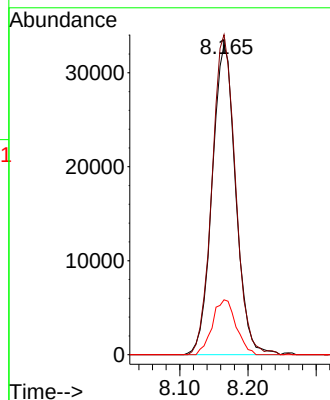
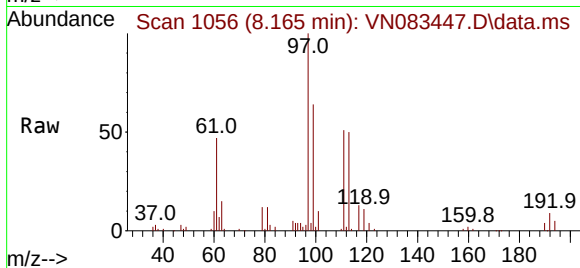
Tgt Ion:	113	Resp:	7927
Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.4	123.6
192	17.8	14.9	22.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/26/2024

Supervised By :Semsettin Yesilyurt 08/26/2024



#36

1,1-Dichloropropene

Concen: 51.698 ug/l

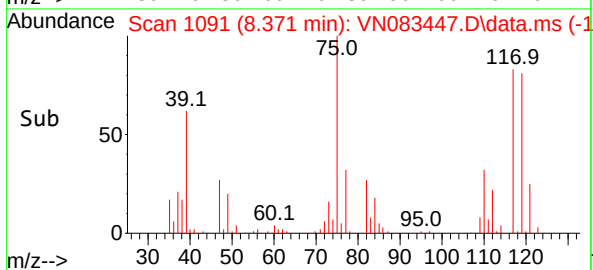
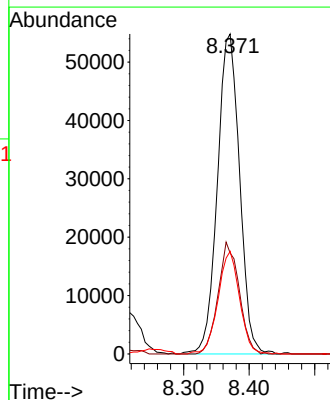
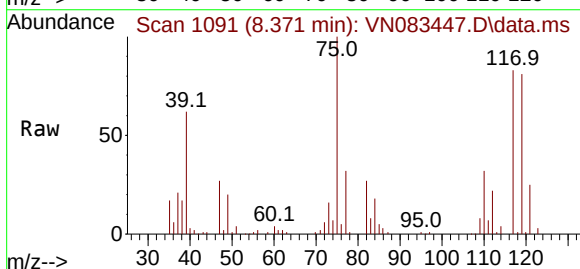
RT: 8.371 min Scan# 1091

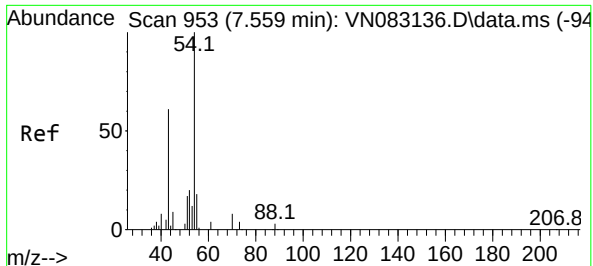
Delta R.T. -0.000 min

Lab File: VN083447.D

Acq: 23 Aug 2024 08:39

Tgt Ion:	75	Resp:	128561
Ion	Ratio	Lower	Upper
75	100		
110	33.3	16.3	48.9
77	31.2	24.6	37.0





#37

Ethyl Acetate

Concen: 44.288 ug/l

RT: 7.559 min Scan# 91

Delta R.T. -0.000 min

Lab File: VN083447.D

Acq: 23 Aug 2024 08:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 12331

Ion Ratio Lower Upper

43 100

61 13.0 9.3 13.9

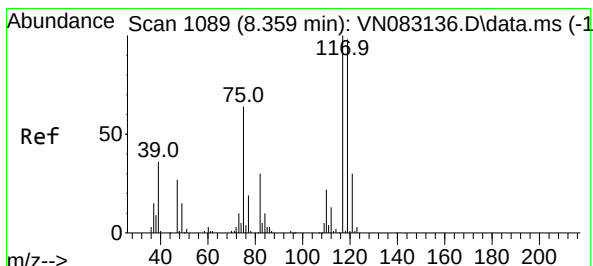
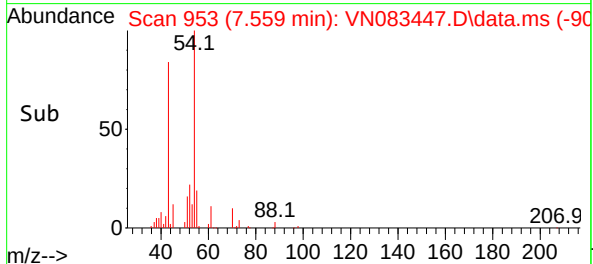
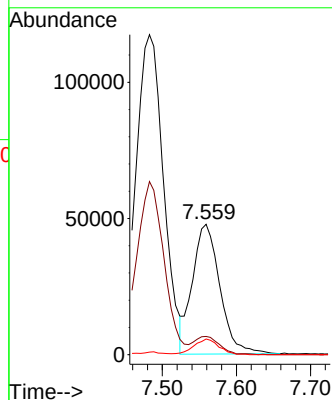
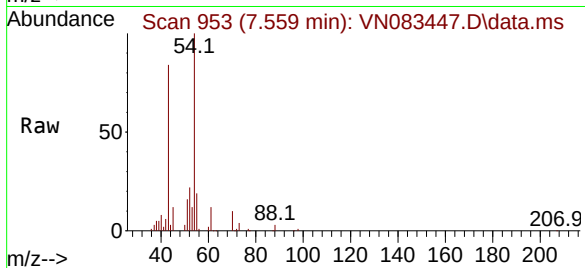
70 11.0 7.0 10.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/26/2024

Supervised By :Semsettin Yesilyurt 08/26/2024



#38

Carbon Tetrachloride

Concen: 52.516 ug/l

RT: 8.359 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VN083447.D

Acq: 23 Aug 2024 08:39

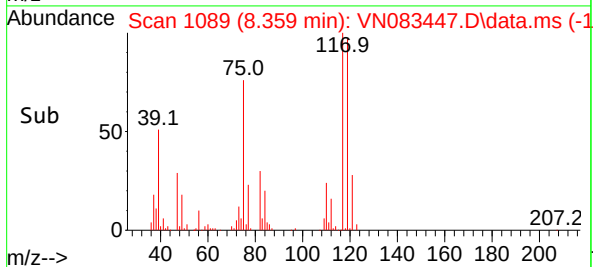
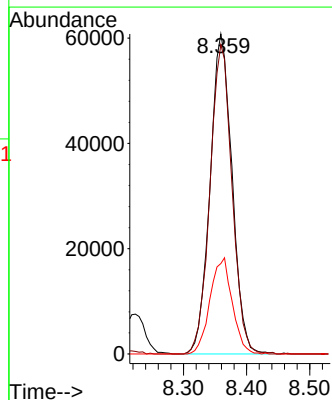
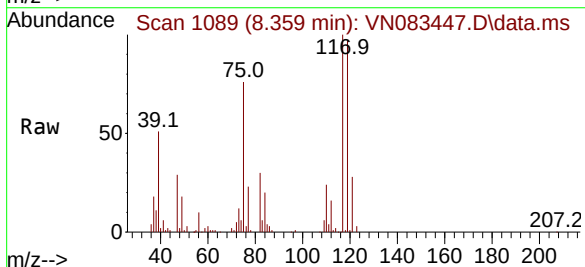
Tgt Ion:117 Resp: 147091

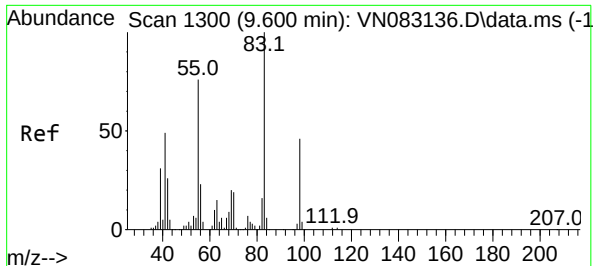
Ion Ratio Lower Upper

117 100

119 96.7 74.9 112.3

121 28.3 24.3 36.5





#39

Methylcyclohexane

Concen: 50.548 ug/l

RT: 9.600 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VN083447.D

Acq: 23 Aug 2024 08:39

Instrument :

MSVOA_N

ClientSampleId :

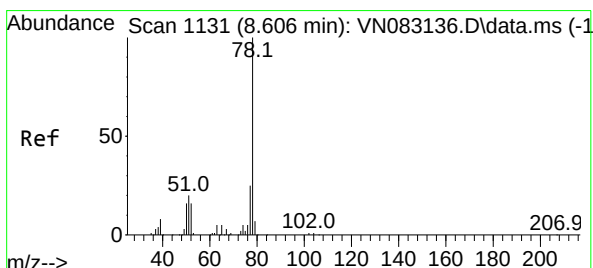
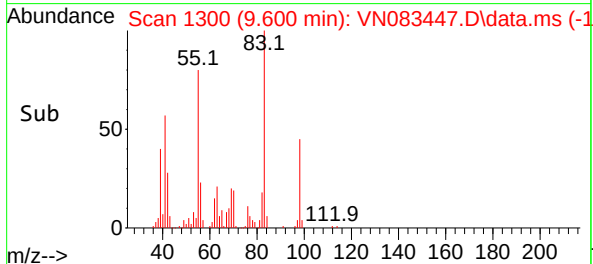
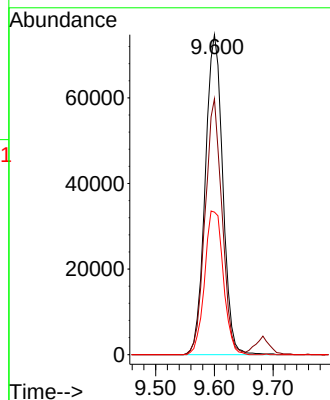
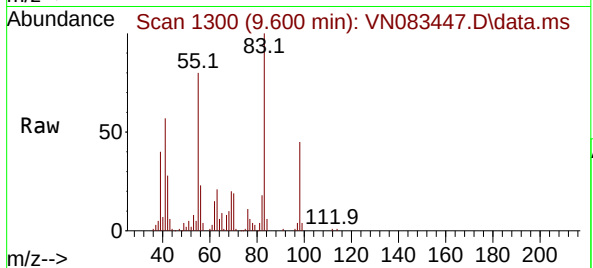
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
83	100		
55	79.9	66.4	99.6
98	44.5	40.7	61.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/26/2024

Supervised By :Semsettin Yesilyurt 08/26/2024



#40

Benzene

Concen: 52.961 ug/l

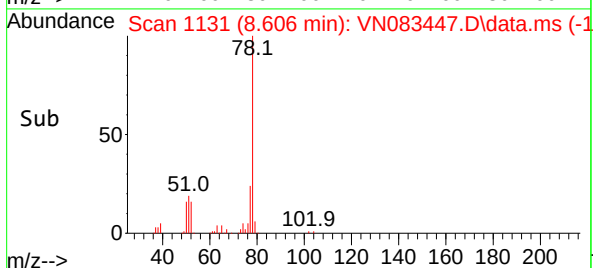
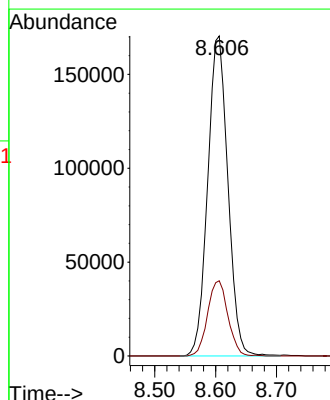
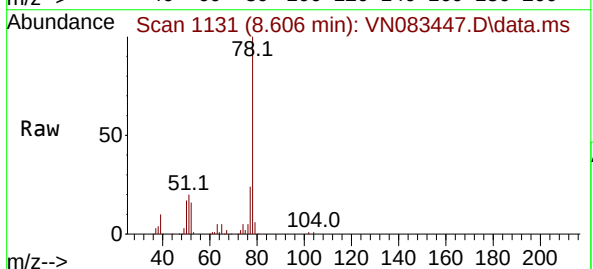
RT: 8.606 min Scan# 1131

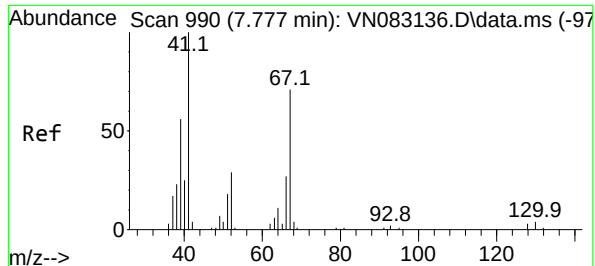
Delta R.T. -0.000 min

Lab File: VN083447.D

Acq: 23 Aug 2024 08:39

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.0	28.4





#41

Methacrylonitrile

Concen: 44.486 ug/l

RT: 7.777 min Scan# 990

Delta R.T. -0.000 min

Lab File: VN083447.D

Acq: 23 Aug 2024 08:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 41 Resp: 70420

Ion Ratio Lower Upper

41 100

39 56.1 45.5 68.3

67 69.2 50.5 75.7

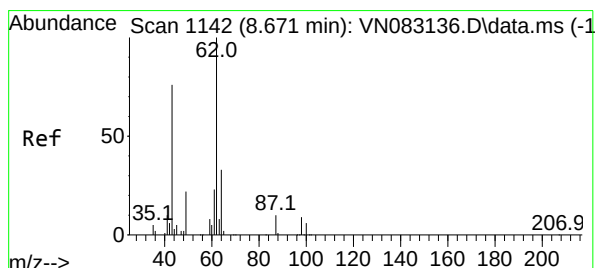
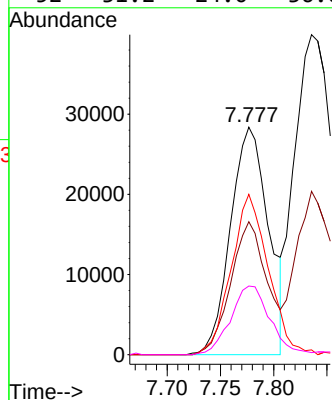
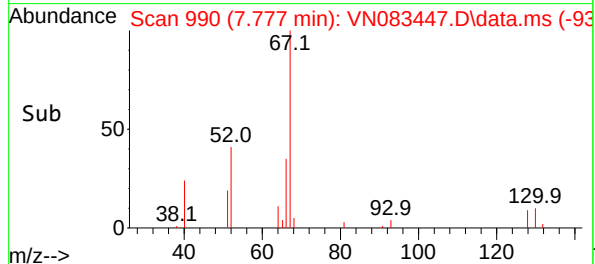
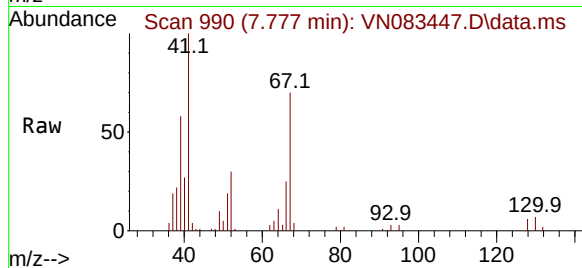
52 31.2 24.0 36.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/26/2024

Supervised By :Semsettin Yesilyurt 08/26/2024



#42

1,2-Dichloroethane

Concen: 54.411 ug/l

RT: 8.671 min Scan# 1142

Delta R.T. -0.000 min

Lab File: VN083447.D

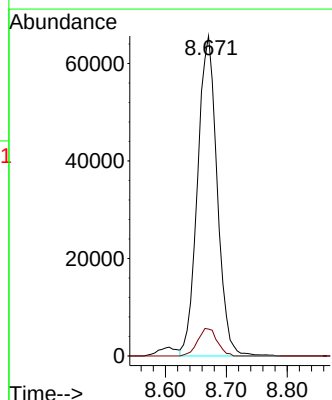
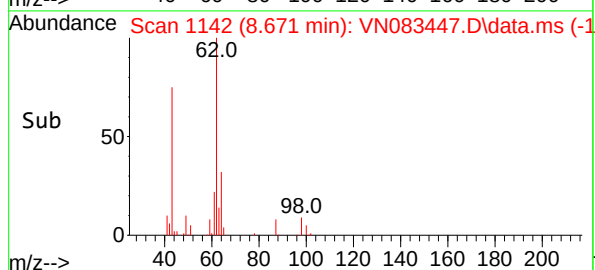
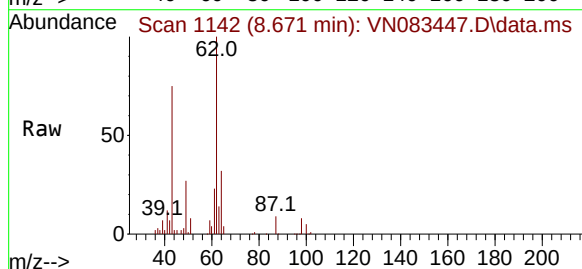
Acq: 23 Aug 2024 08:39

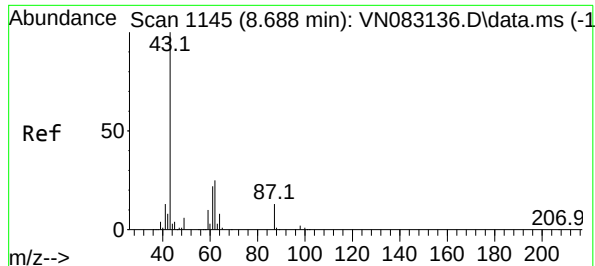
Tgt Ion: 62 Resp: 146833

Ion Ratio Lower Upper

62 100

98 8.6 0.0 15.8





#43

Isopropyl Acetate

Concen: 43.989 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VN083447.D

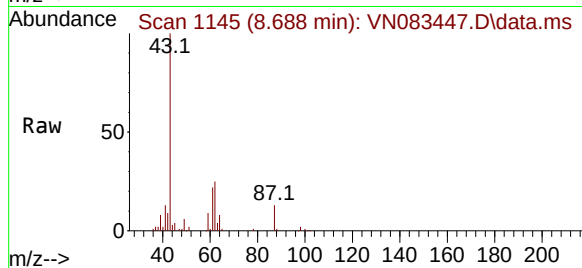
Acq: 23 Aug 2024 08:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

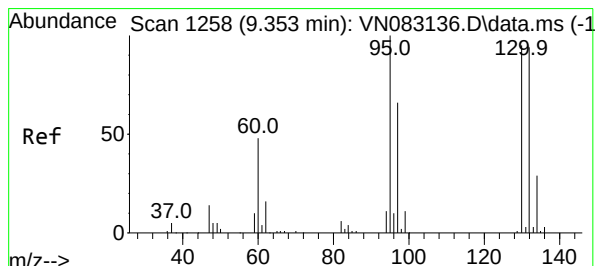
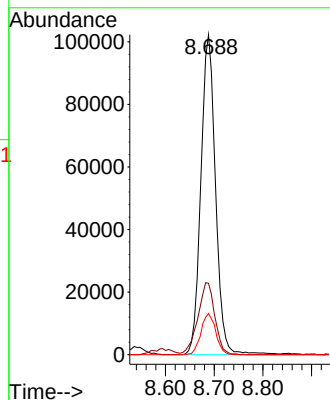
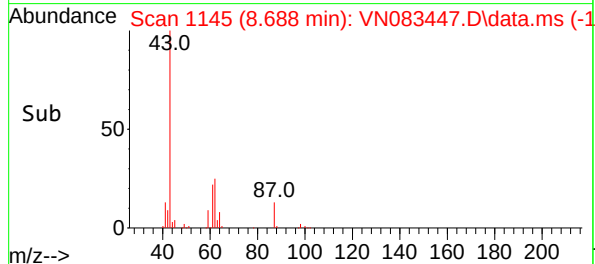


Tgt Ion:	43	Resp:	214250
Ion Ratio	Lower	Upper	
43	100		
61	26.1	17.8	26.6
87	12.9	8.2	12.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/26/2024

Supervised By :Semsettin Yesilyurt 08/26/2024



#44

Trichloroethene

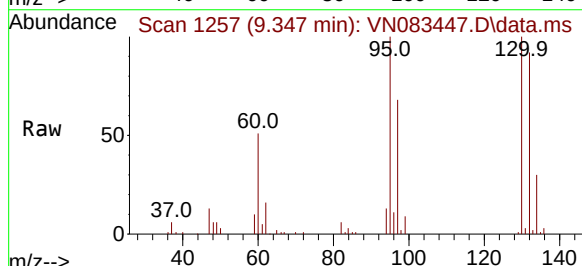
Concen: 51.602 ug/l

RT: 9.347 min Scan# 1257

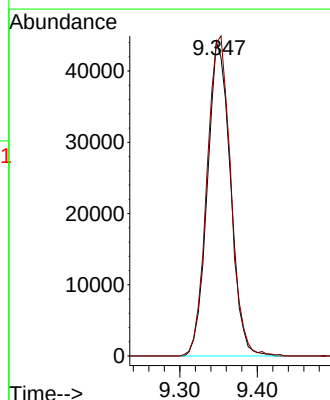
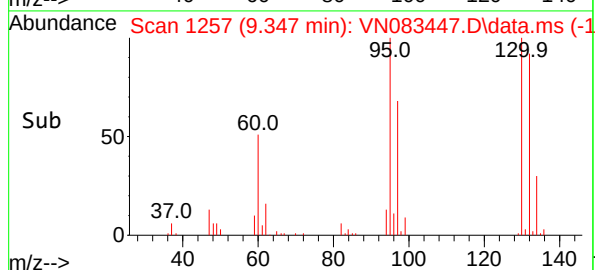
Delta R.T. -0.006 min

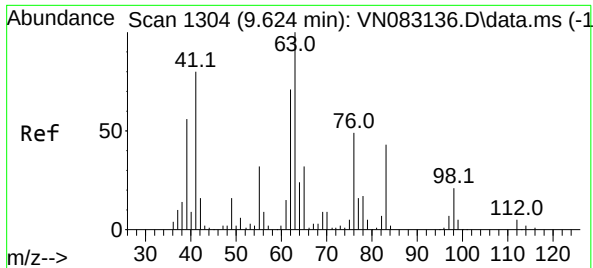
Lab File: VN083447.D

Acq: 23 Aug 2024 08:39



Tgt Ion:	130	Resp:	90989
Ion Ratio	Lower	Upper	
130	100		
95	99.5	0.0	197.8





#45

1,2-Dichloropropane

Concen: 54.006 ug/l

RT: 9.618 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN083447.D

Acq: 23 Aug 2024 08:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 63 Resp: 9496

Ion Ratio Lower Upper

63 100

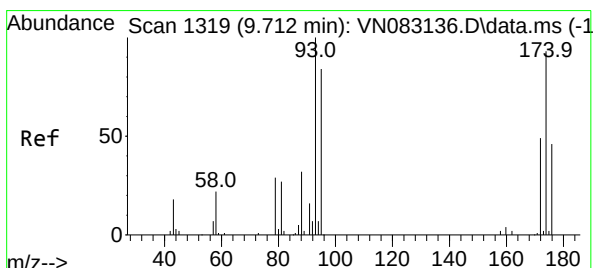
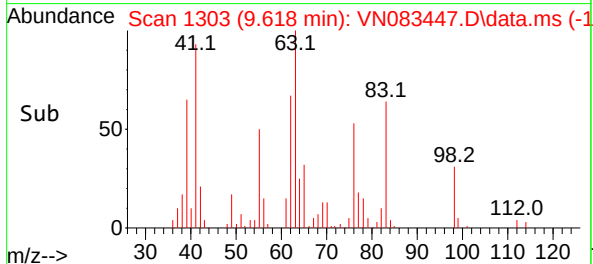
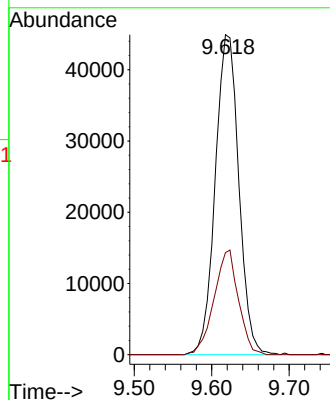
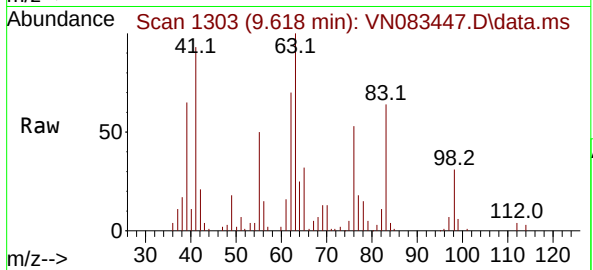
65 31.9 24.4 36.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/26/2024

Supervised By :Semsettin Yesilyurt 08/26/2024



#46

Dibromomethane

Concen: 53.360 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. -0.006 min

Lab File: VN083447.D

Acq: 23 Aug 2024 08:39

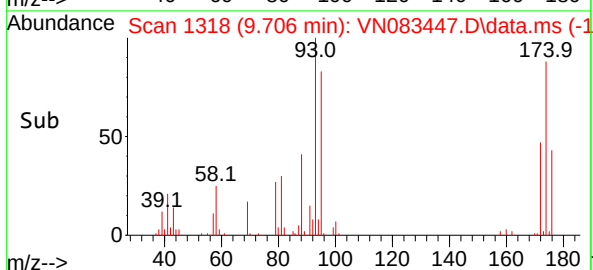
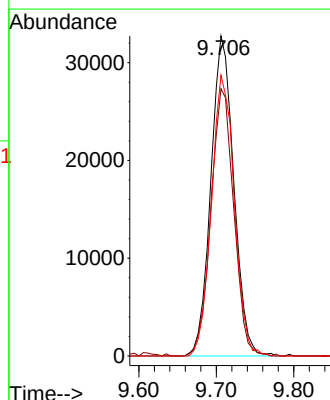
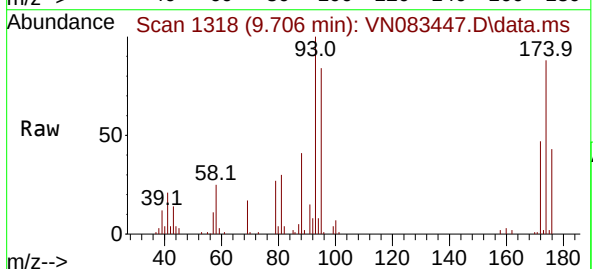
Tgt Ion: 93 Resp: 67162

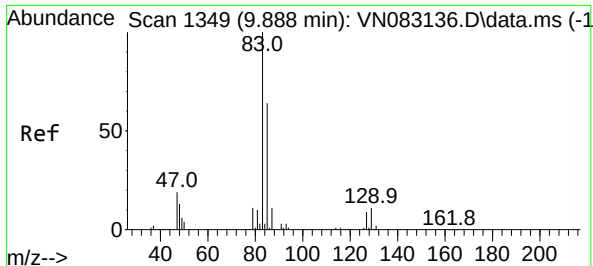
Ion Ratio Lower Upper

93 100

95 83.5 65.8 98.6

174 87.5 71.7 107.5





#47

Bromodichloromethane

Concen: 52.187 ug/l

RT: 9.888 min Scan# 1349

Delta R.T. -0.000 min

Lab File: VN083447.D

Acq: 23 Aug 2024 08:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 147489

Ion Ratio Lower Upper

83 100

85 64.0 51.1 76.7

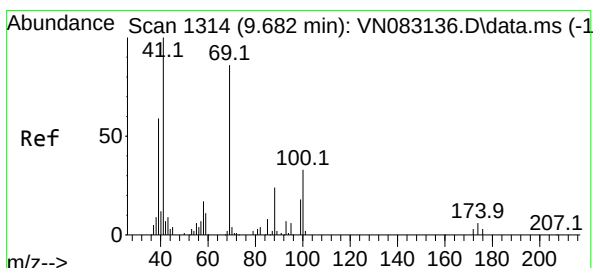
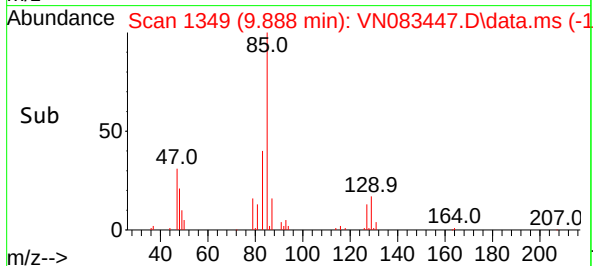
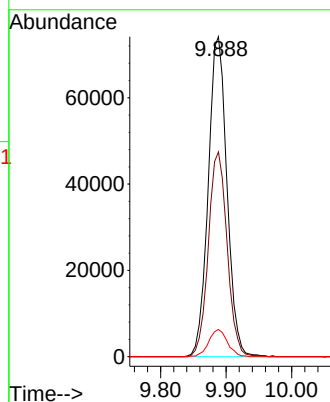
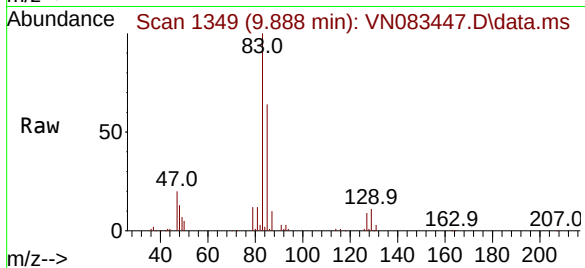
127 8.5 7.2 10.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/26/2024

Supervised By :Semsettin Yesilyurt 08/26/2024



#48

Methyl methacrylate

Concen: 45.041 ug/l

RT: 9.682 min Scan# 1314

Delta R.T. -0.000 min

Lab File: VN083447.D

Acq: 23 Aug 2024 08:39

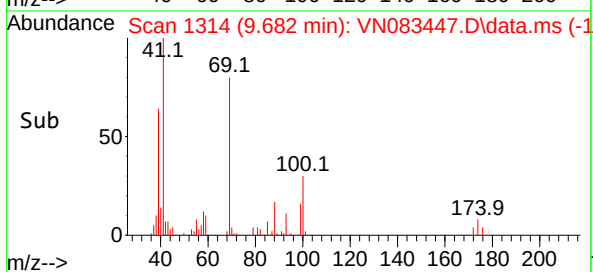
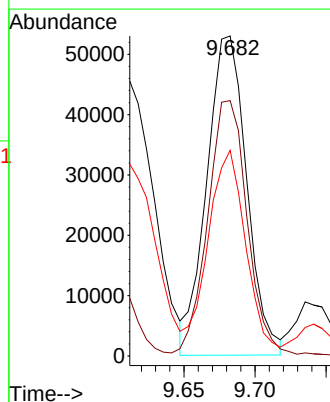
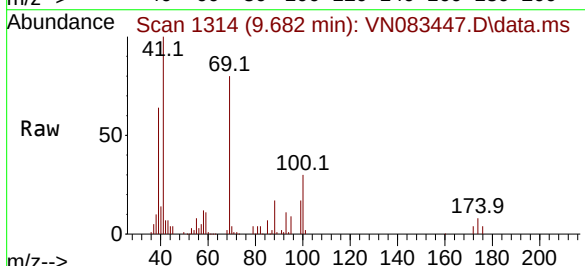
Tgt Ion: 41 Resp: 103680

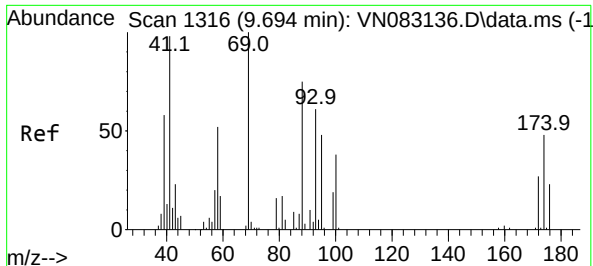
Ion Ratio Lower Upper

41 100

69 79.6 56.3 84.5

39 61.7 50.3 75.5





#49

1,4-Dioxane

Concen: 818.077 ug/l

RT: 9.700 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN083447.D

Acq: 23 Aug 2024 08:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 88 Resp: 33974

Ion Ratio Lower Upper

88 100

43 31.4 27.8 41.8

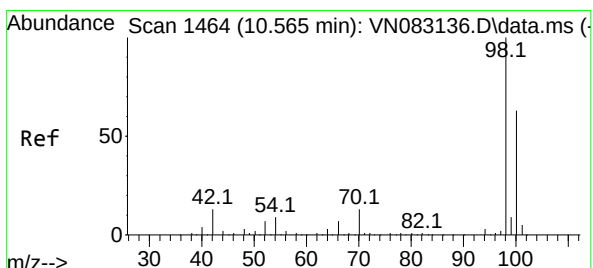
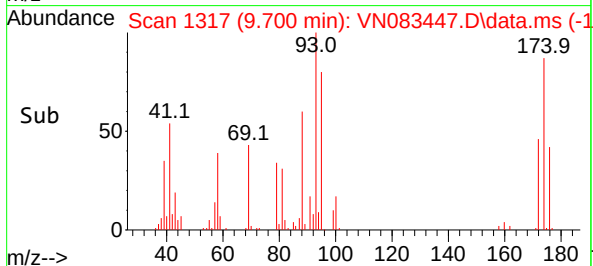
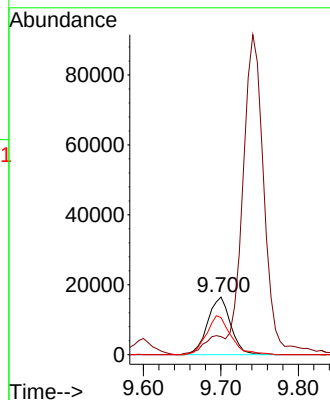
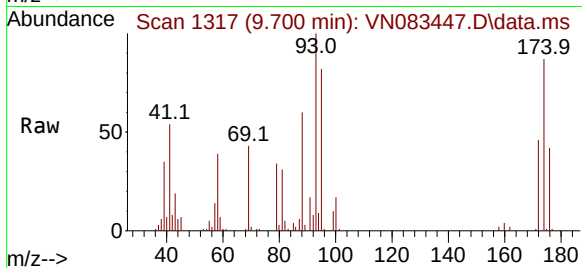
58 71.4 59.4 89.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/26/2024

Supervised By :Semsettin Yesilyurt 08/26/2024



#50

Toluene-d8

Concen: 46.491 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN083447.D

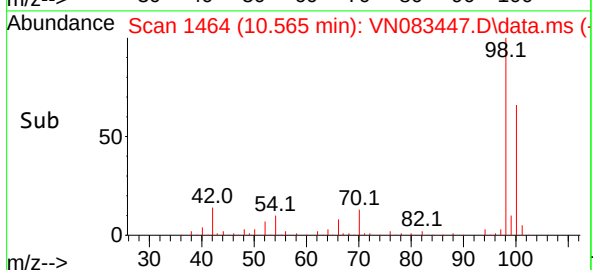
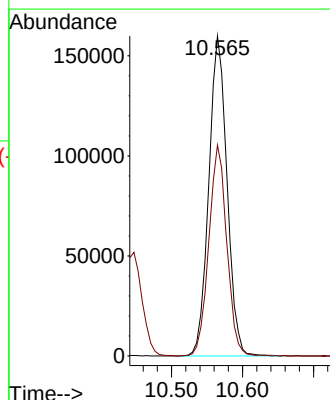
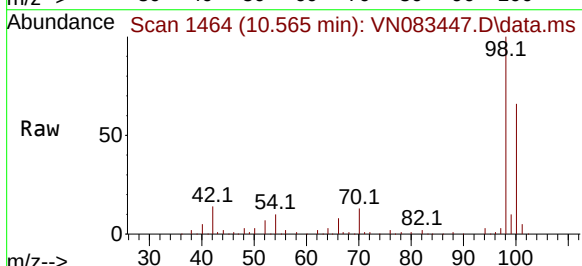
Acq: 23 Aug 2024 08:39

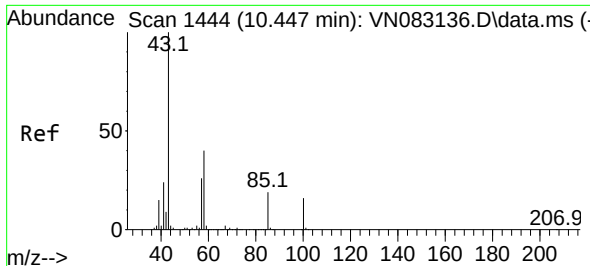
Tgt Ion: 98 Resp: 285089

Ion Ratio Lower Upper

98 100

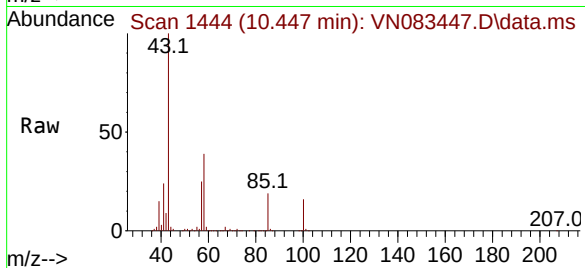
100 65.0 51.5 77.3





#51
4-Methyl-2-Pentanone
Concen: 227.987 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN083447.D
Acq: 23 Aug 2024 08:39

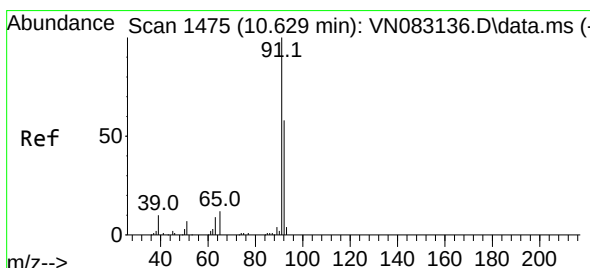
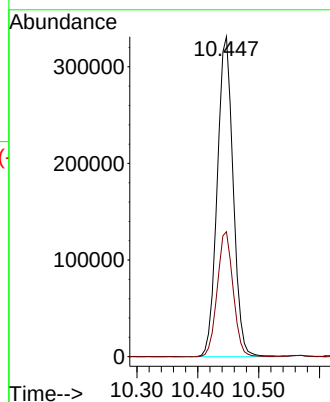
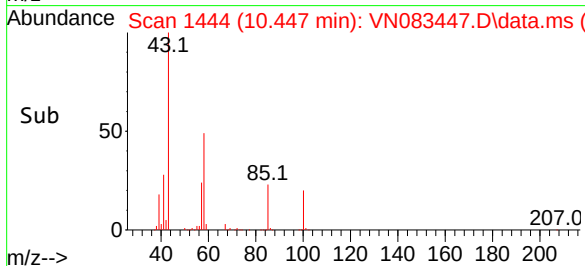
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 43 Resp: 600280
Ion Ratio Lower Upper
43 100
58 39.0 28.2 42.4

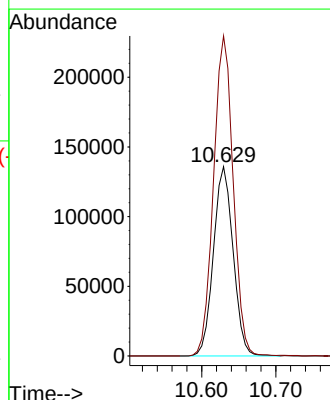
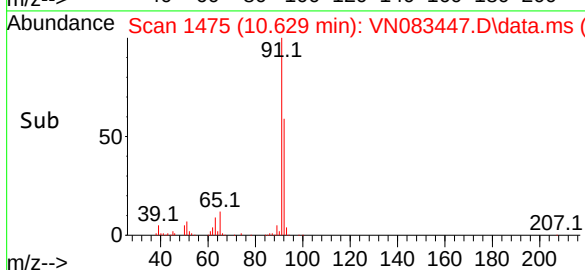
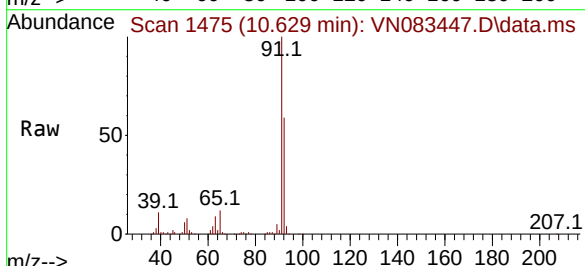
Manual Integrations
APPROVED

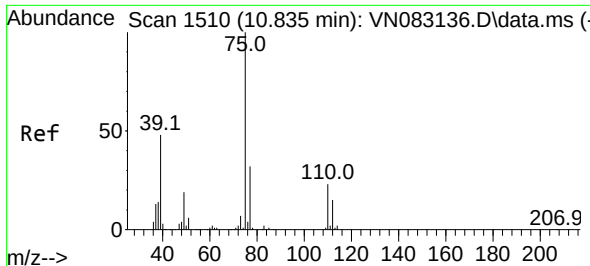
Reviewed By :John Carlone 08/26/2024
Supervised By :Semsettin Yesilyurt 08/26/2024



#52
Toluene
Concen: 53.465 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN083447.D
Acq: 23 Aug 2024 08:39

Tgt Ion: 92 Resp: 250255
Ion Ratio Lower Upper
92 100
91 169.0 139.4 209.0





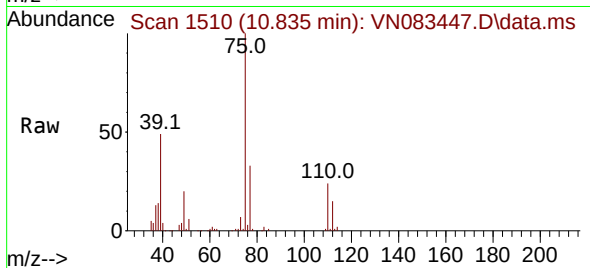
#53
t-1,3-Dichloropropene
Concen: 51.640 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. -0.000 min
Lab File: VN083447.D
Acq: 23 Aug 2024 08:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050



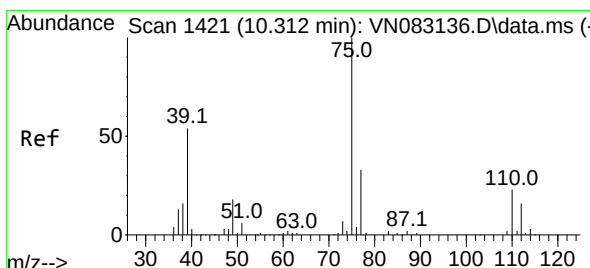
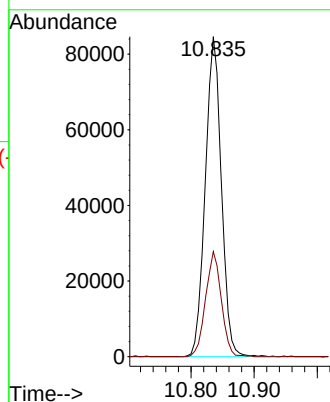
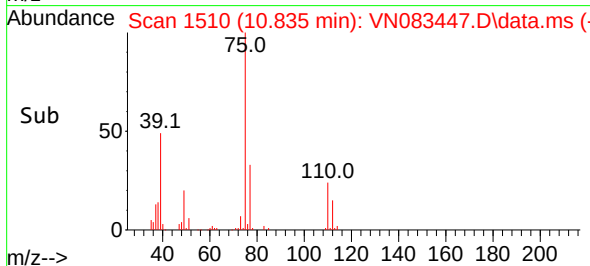
Tgt Ion: 75 Resp: 149914
Ion Ratio Lower Upper
75 100
77 32.9 25.7 38.5

Manual Integrations

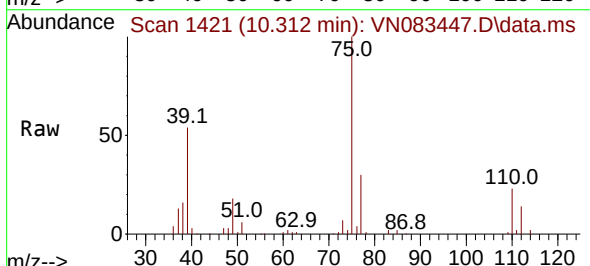
APPROVED

Reviewed By :John Carlone 08/26/2024

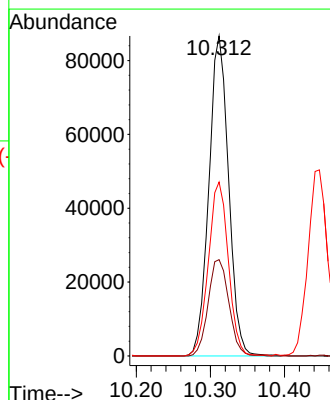
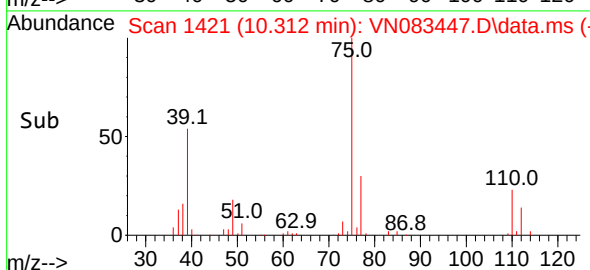
Supervised By :Semsettin Yesilyurt 08/26/2024

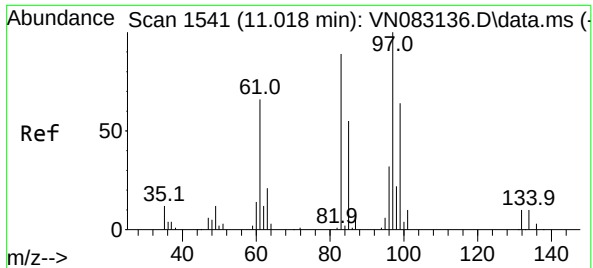


#54
cis-1,3-Dichloropropene
Concen: 51.792 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.000 min
Lab File: VN083447.D
Acq: 23 Aug 2024 08:39



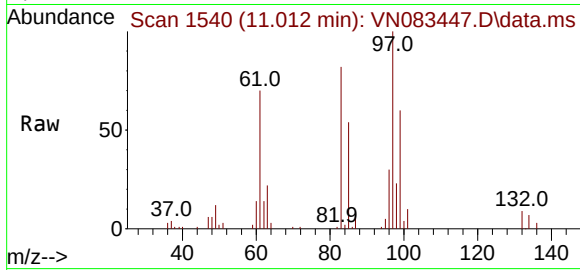
Tgt Ion: 75 Resp: 159923
Ion Ratio Lower Upper
75 100
77 30.1 24.3 36.5
39 54.3 50.5 75.7





#55
1,1,2-Trichloroethane
Concen: 52.945 ug/l
RT: 11.012 min Scan# 1541
Delta R.T. -0.006 min
Lab File: VN083447.D
Acq: 23 Aug 2024 08:39

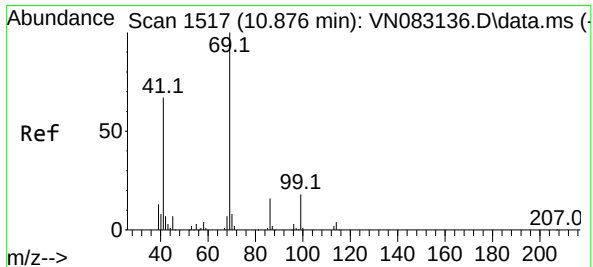
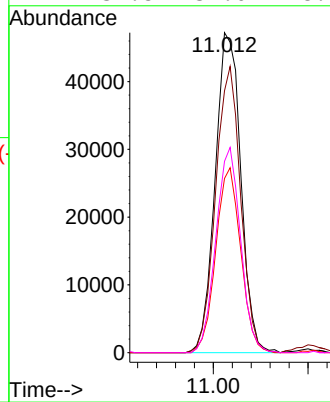
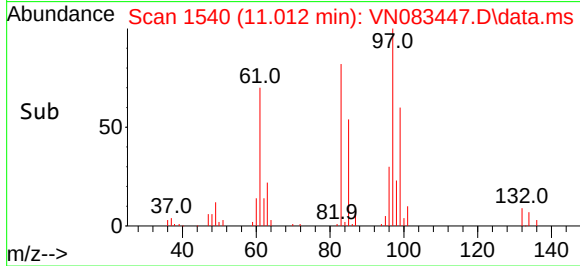
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



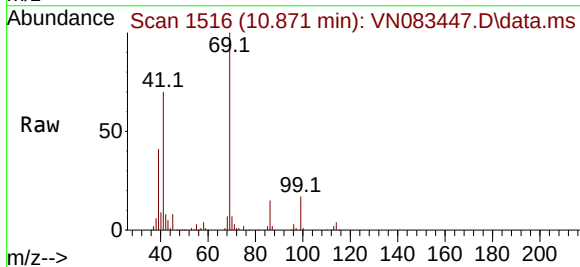
Tgt Ion: 97 Resp: 88812
Ion Ratio Lower Upper
97 100
83 81.9 71.4 107.0
85 54.5 45.8 68.6
99 59.8 52.0 78.0

Manual Integrations
APPROVED

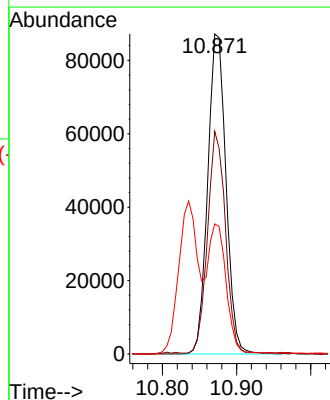
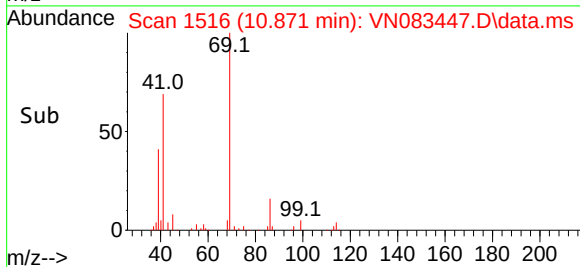
Reviewed By :John Carlone 08/26/2024
Supervised By :Semsettin Yesilyurt 08/26/2024

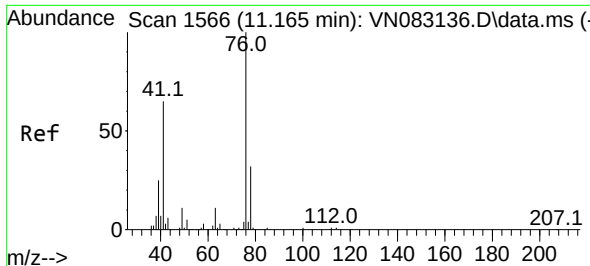


#56
Ethyl methacrylate
Concen: 47.221 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.006 min
Lab File: VN083447.D
Acq: 23 Aug 2024 08:39



Tgt Ion: 69 Resp: 149324
Ion Ratio Lower Upper
69 100
41 67.7 63.4 95.2
39 41.1 37.4 56.0





#57

1,3-Dichloropropane

Concen: 53.015 ug/l

RT: 11.165 min Scan# 1566

Delta R.T. -0.000 min

Lab File: VN083447.D

Acq: 23 Aug 2024 08:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 76 Resp: 158509

Ion Ratio Lower Upper

76 100

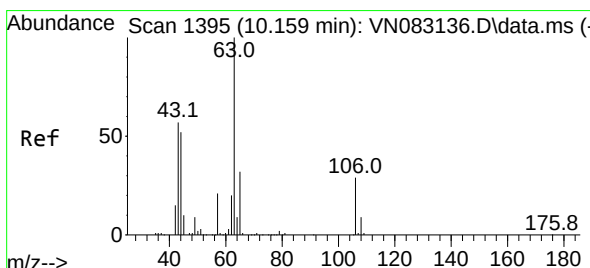
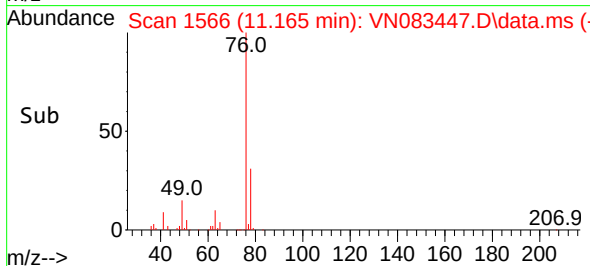
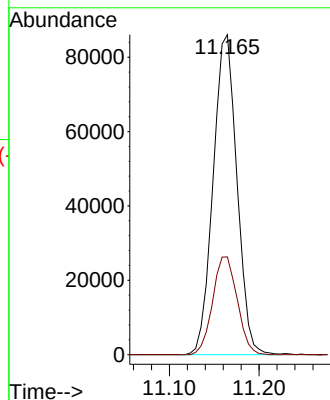
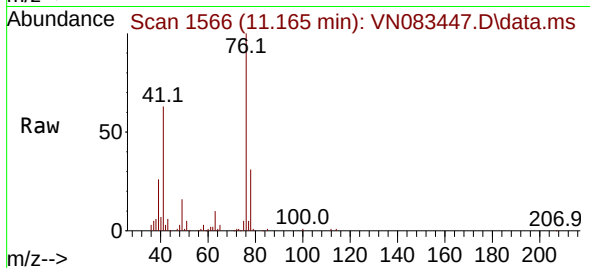
78 31.6 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/26/2024

Supervised By :Semsettin Yesilyurt 08/26/2024



#58

2-Chloroethyl Vinyl ether

Concen: 221.891 ug/l

RT: 10.159 min Scan# 1395

Delta R.T. -0.000 min

Lab File: VN083447.D

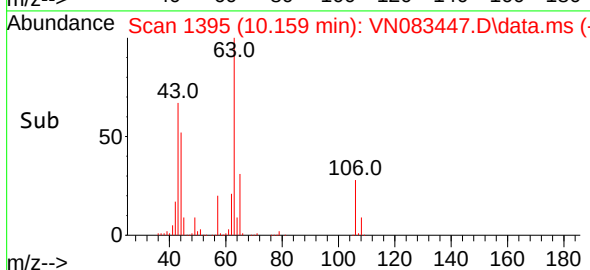
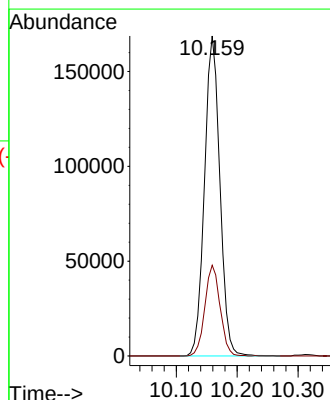
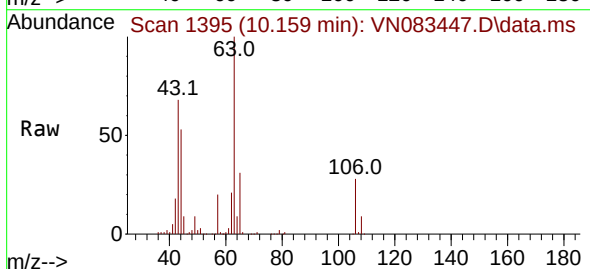
Acq: 23 Aug 2024 08:39

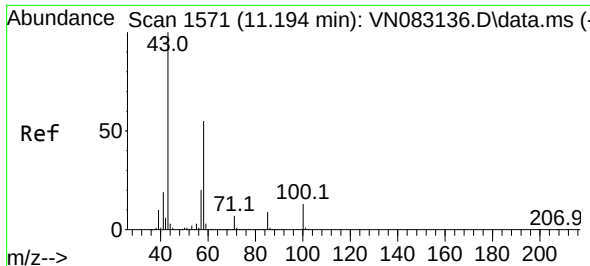
Tgt Ion: 63 Resp: 296599

Ion Ratio Lower Upper

63 100

106 27.9 21.4 32.0





#59

2-Hexanone

Concen: 225.887 ug/l

RT: 11.194 min Scan# 1571

Delta R.T. -0.000 min

Lab File: VN083447.D

Acq: 23 Aug 2024 08:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 46012

Ion Ratio Lower Upper

43 100

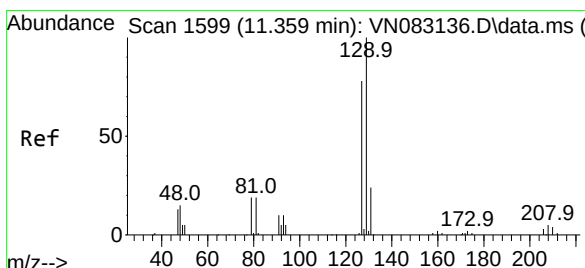
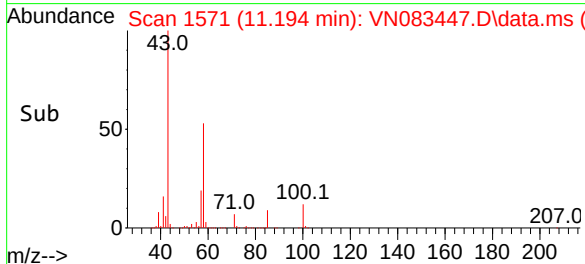
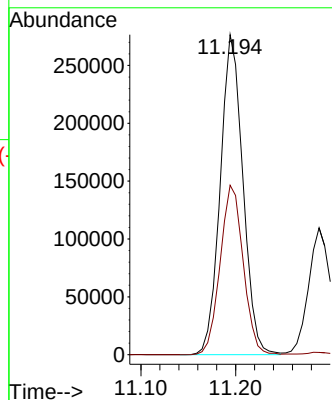
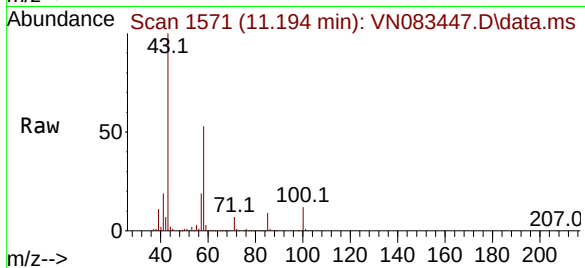
58 54.0 24.6 73.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/26/2024

Supervised By :Semsettin Yesilyurt 08/26/2024



#60

Dibromochloromethane

Concen: 52.418 ug/l

RT: 11.359 min Scan# 1599

Delta R.T. -0.000 min

Lab File: VN083447.D

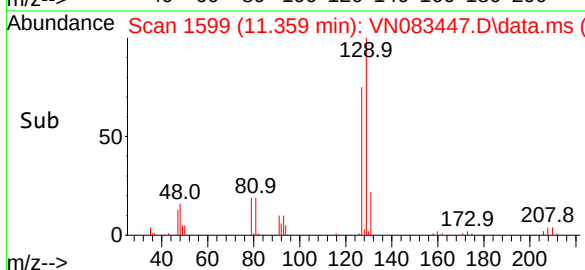
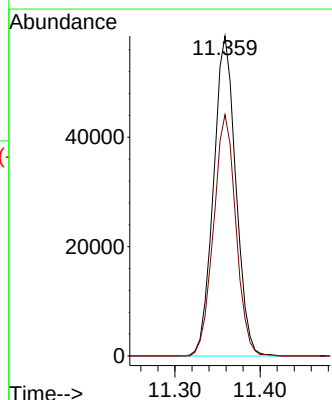
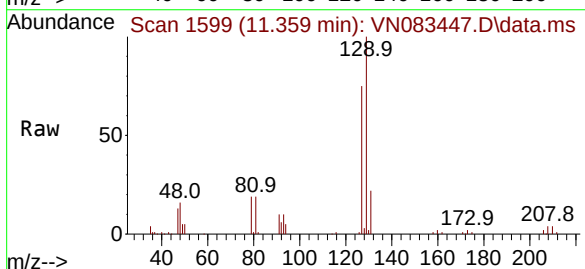
Acq: 23 Aug 2024 08:39

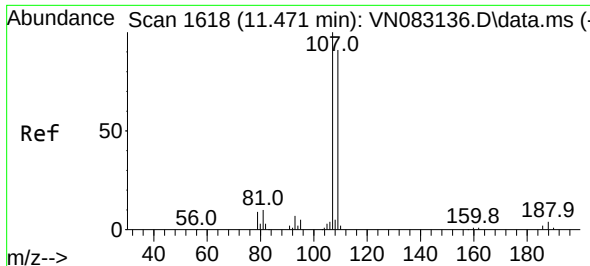
Tgt Ion:129 Resp: 106308

Ion Ratio Lower Upper

129 100

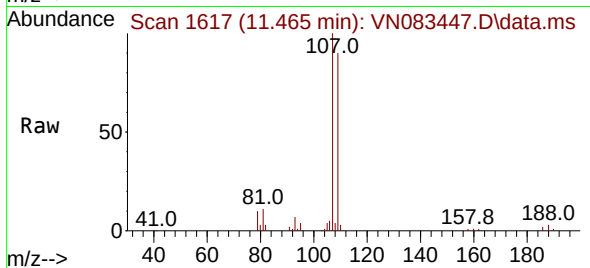
127 75.4 39.2 117.6





#61
1,2-Dibromoethane
Concen: 50.729 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. -0.006 min
Lab File: VN083447.D
Acq: 23 Aug 2024 08:39

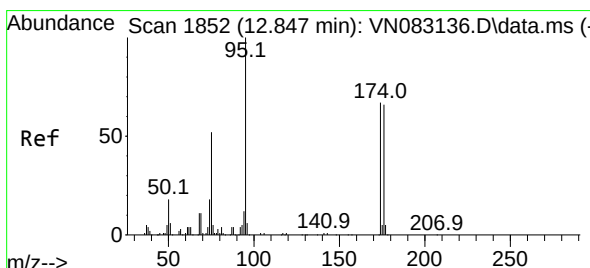
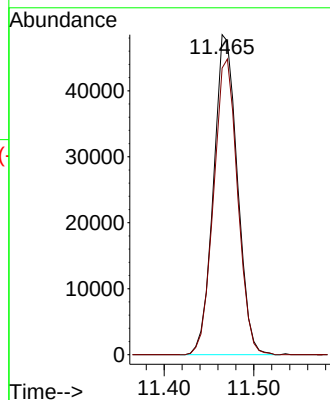
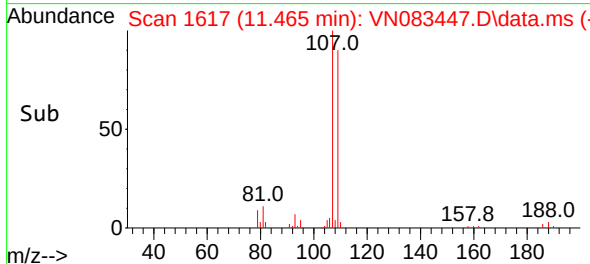
Instrument :
MSVOA_N
ClientSampleId :
VSTDC050



Tgt Ion: 107 Resp: 8939
Ion Ratio Lower Upper
107 100
109 93.0 73.7 110.5

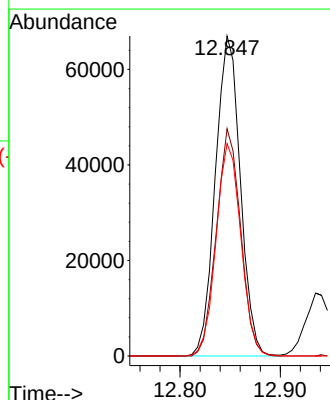
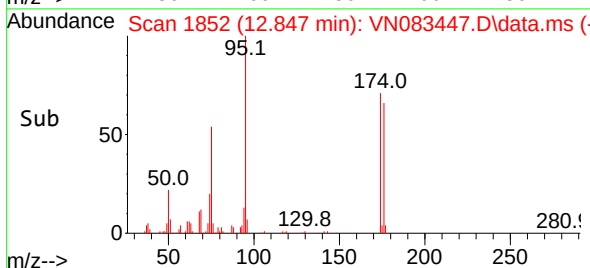
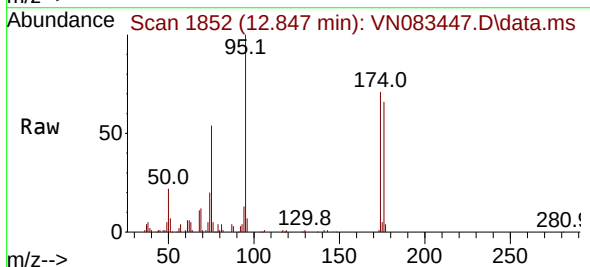
Manual Integrations
APPROVED

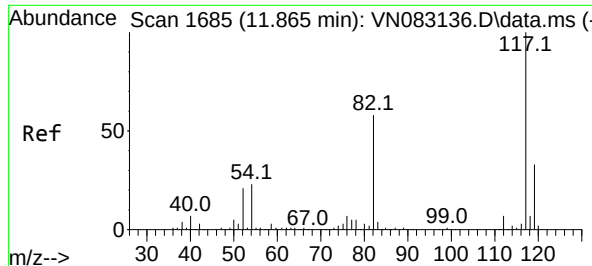
Reviewed By :John Carlone 08/26/2024
Supervised By :Semsettin Yesilyurt 08/26/2024



#62
4-Bromofluorobenzene
Concen: 48.390 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN083447.D
Acq: 23 Aug 2024 08:39

Tgt Ion: 95 Resp: 115683
Ion Ratio Lower Upper
95 100
174 69.0 0.0 159.2
176 66.0 0.0 147.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN083447.D

Acq: 23 Aug 2024 08:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion:117 Resp: 22924

Ion Ratio Lower Upper

117 100

82 60.1 47.5 71.3

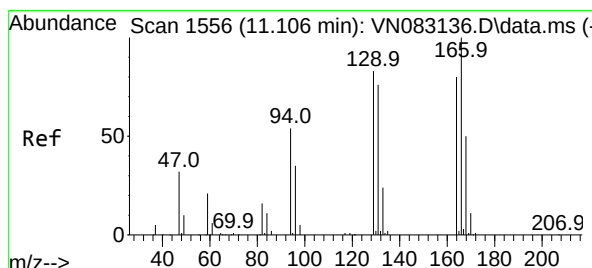
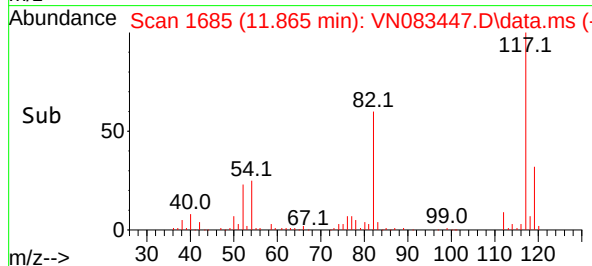
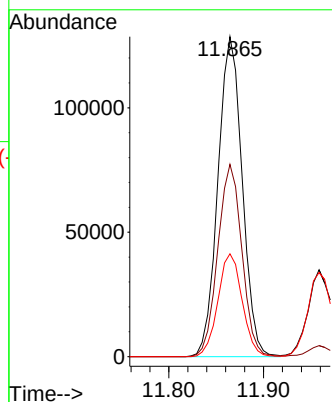
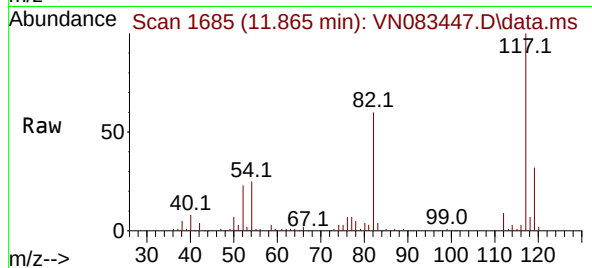
119 32.1 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/26/2024

Supervised By :Semsettin Yesilyurt 08/26/2024



#64

Tetrachloroethene

Concen: 50.089 ug/l

RT: 11.106 min Scan# 1556

Delta R.T. -0.000 min

Lab File: VN083447.D

Acq: 23 Aug 2024 08:39

Tgt Ion:164 Resp: 76046

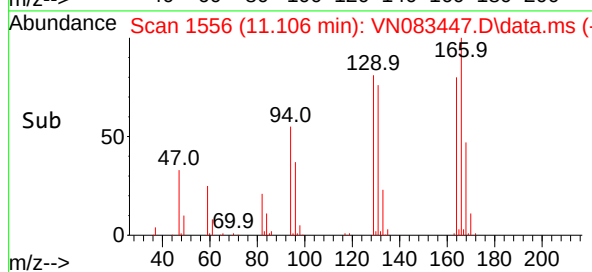
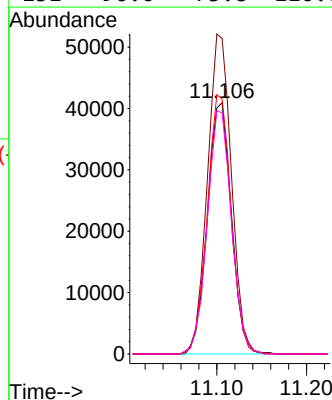
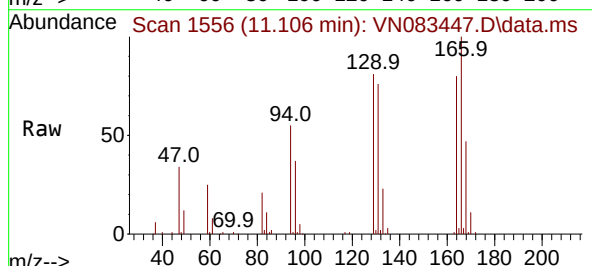
Ion Ratio Lower Upper

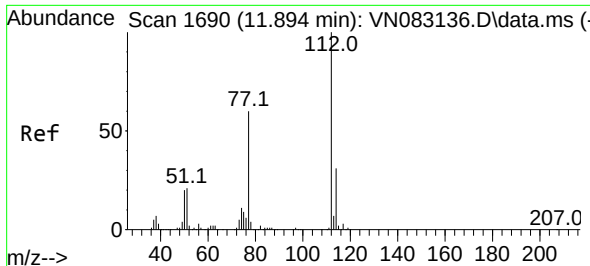
164 100

166 125.6 101.4 152.0

129 101.5 75.7 113.5

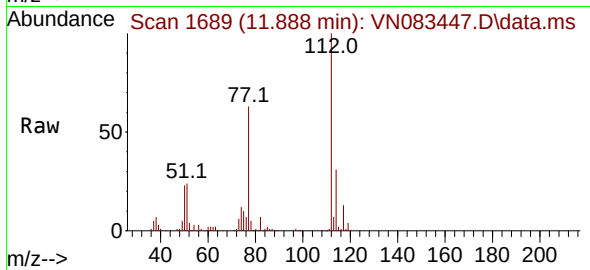
131 96.0 73.8 110.6





#65
Chlorobenzene
Concen: 51.164 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. -0.006 min
Lab File: VN083447.D
Acq: 23 Aug 2024 08:39

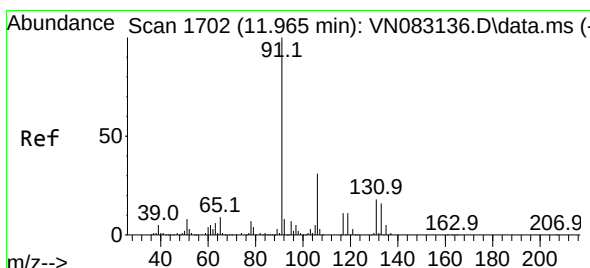
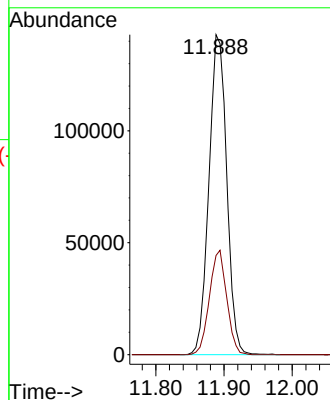
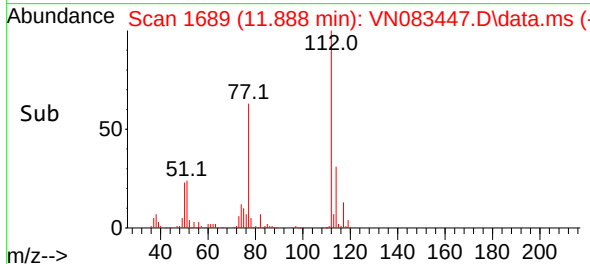
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



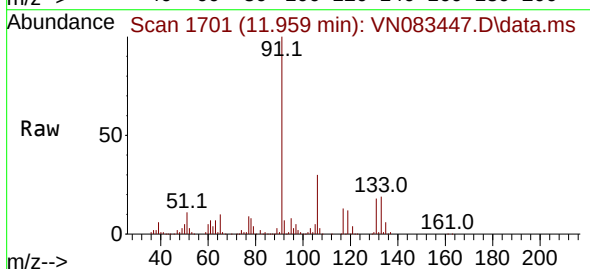
Tgt Ion:112 Resp: 25919
Ion Ratio Lower Upper
112 100
114 31.0 26.2 39.2

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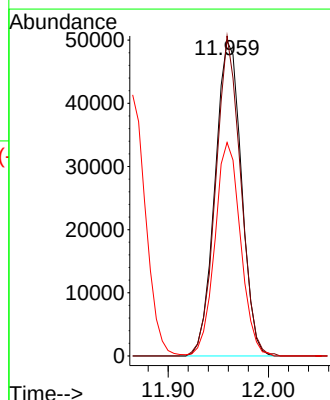
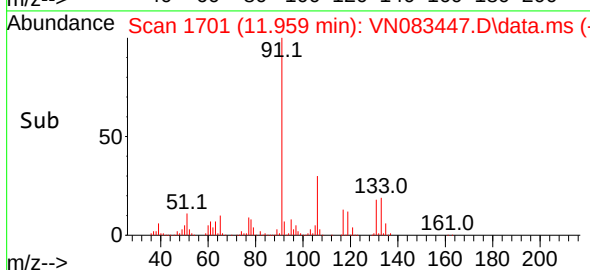
Reviewed By :John Carlone 08/26/2024
Supervised By :Semsettin Yesilyurt 08/26/2024

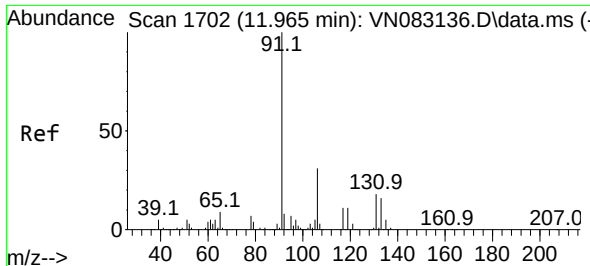


#66
1,1,1,2-Tetrachloroethane
Concen: 51.003 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.006 min
Lab File: VN083447.D
Acq: 23 Aug 2024 08:39



Tgt Ion:131 Resp: 91126
Ion Ratio Lower Upper
131 100
133 96.0 47.3 142.0
119 66.0 32.5 97.4





#67

Ethyl Benzene

Concen: 51.388 ug/l

RT: 11.965 min Scan# 1702

Delta R.T. -0.000 min

Lab File: VN083447.D

Acq: 23 Aug 2024 08:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 477560

Ion Ratio Lower Upper

91 100

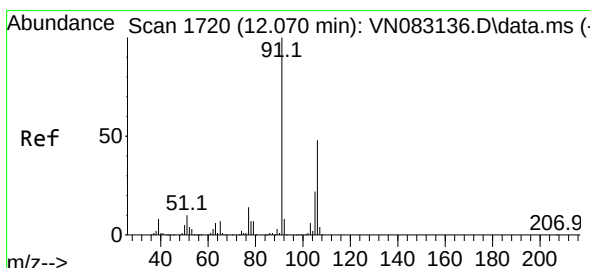
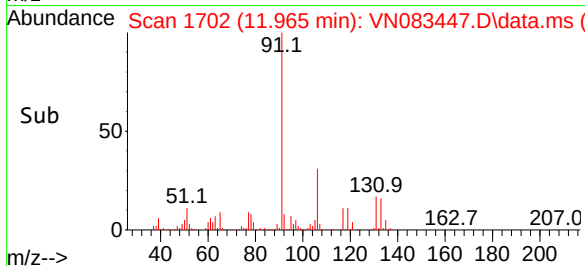
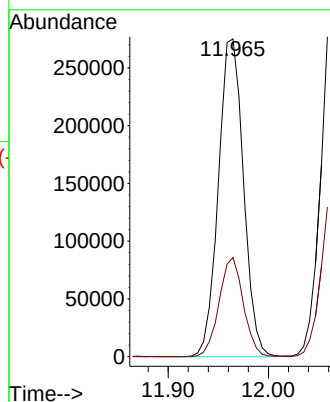
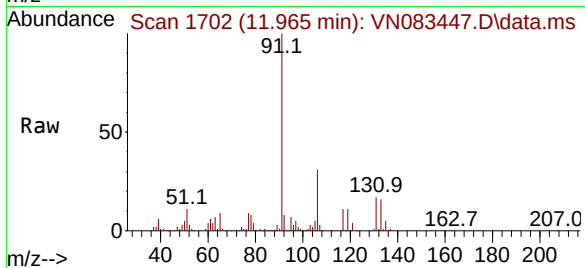
106 31.2 24.0 36.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/26/2024

Supervised By :Semsettin Yesilyurt 08/26/2024



#68

m/p-Xylenes

Concen: 102.176 ug/l

RT: 12.070 min Scan# 1720

Delta R.T. -0.000 min

Lab File: VN083447.D

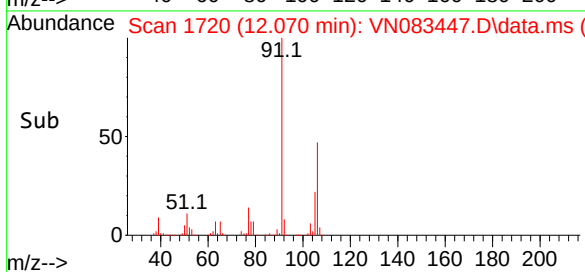
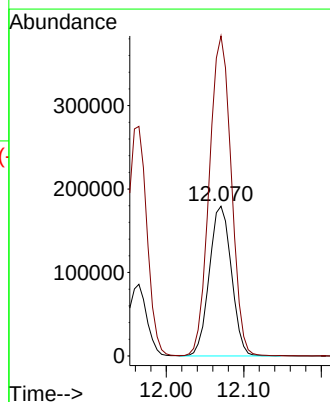
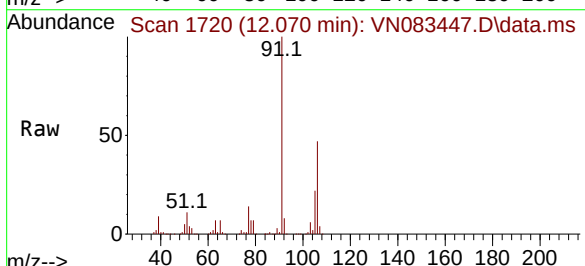
Acq: 23 Aug 2024 08:39

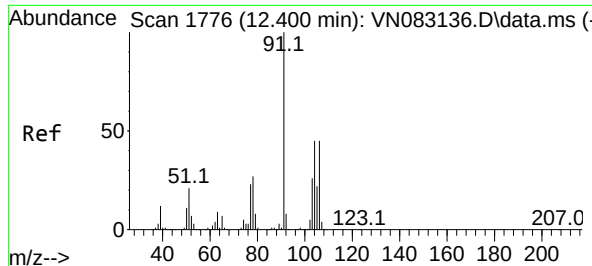
Tgt Ion:106 Resp: 355697

Ion Ratio Lower Upper

106 100

91 212.5 166.1 249.1





#69

o-Xylene

Concen: 50.446 ug/l

RT: 12.400 min Scan# 1776

Delta R.T. -0.000 min

Lab File: VN083447.D

Acq: 23 Aug 2024 08:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion:106 Resp: 173204

Ion Ratio Lower Upper

106 100

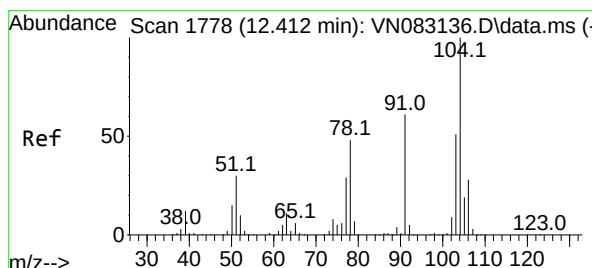
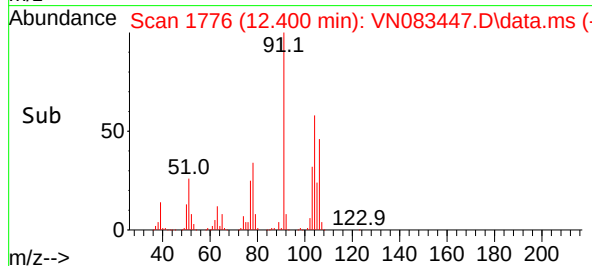
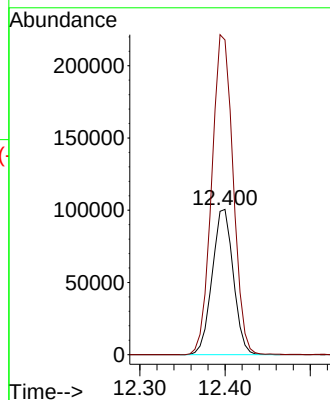
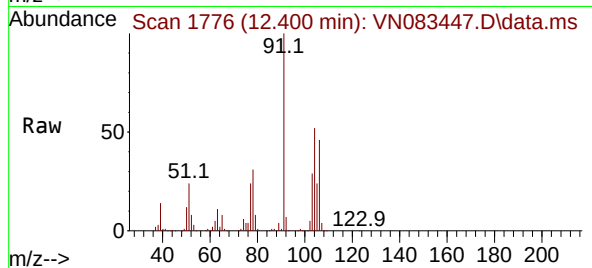
91 223.6 111.3 333.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/26/2024

Supervised By :Semsettin Yesilyurt 08/26/2024



#70

Styrene

Concen: 51.014 ug/l

RT: 12.412 min Scan# 1778

Delta R.T. -0.000 min

Lab File: VN083447.D

Acq: 23 Aug 2024 08:39

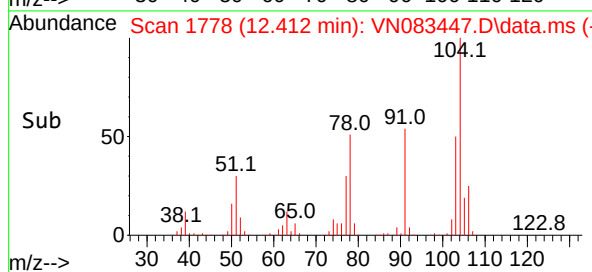
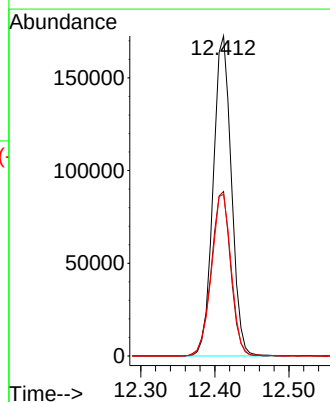
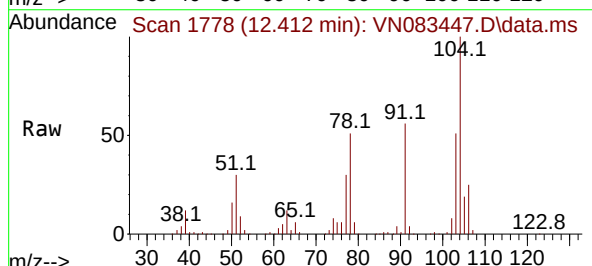
Tgt Ion:104 Resp: 294175

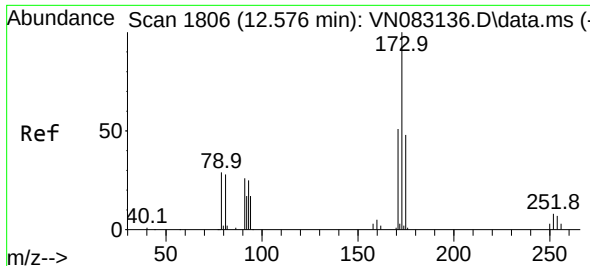
Ion Ratio Lower Upper

104 100

78 54.7 41.6 62.4

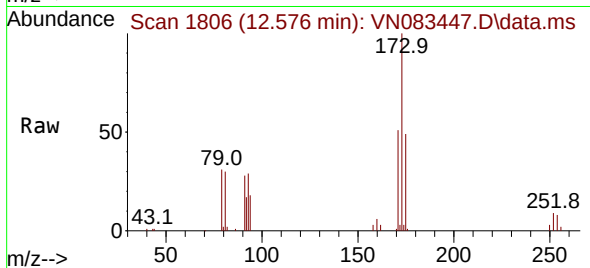
103 54.5 44.0 66.0





#71
Bromoform
Concen: 49.435 ug/l
RT: 12.576 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN083447.D
Acq: 23 Aug 2024 08:39

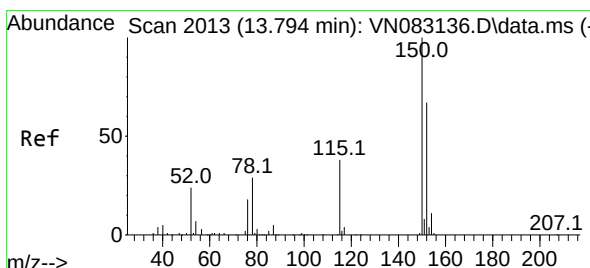
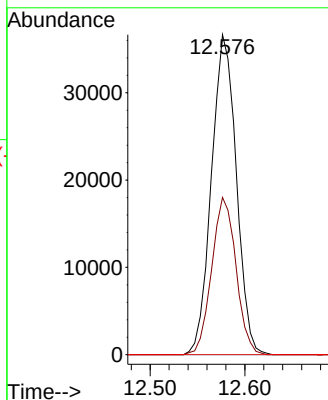
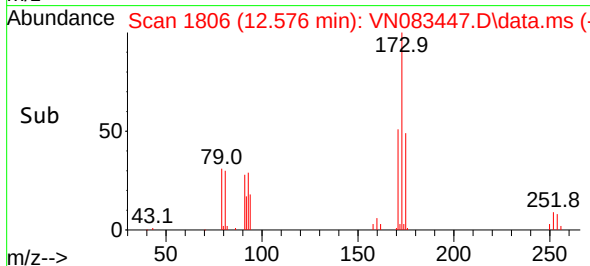
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



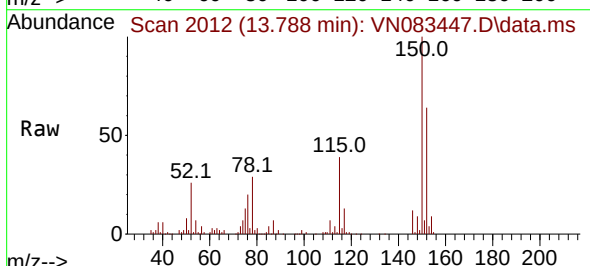
Tgt Ion:173 Resp: 6691
Ion Ratio Lower Upper
173 100
175 48.1 24.0 72.0
254 0.0 0.0 0.0

Manual Integrations
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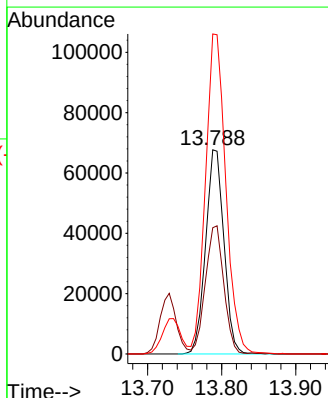
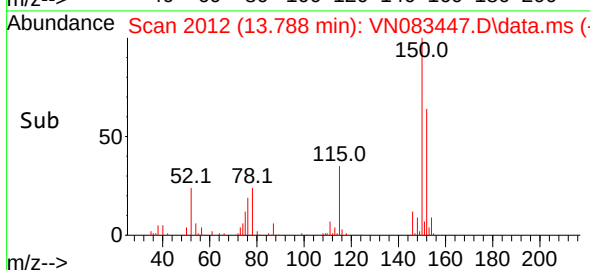
Reviewed By :John Carlone 08/26/2024
Supervised By :Semsettin Yesilyurt 08/26/2024

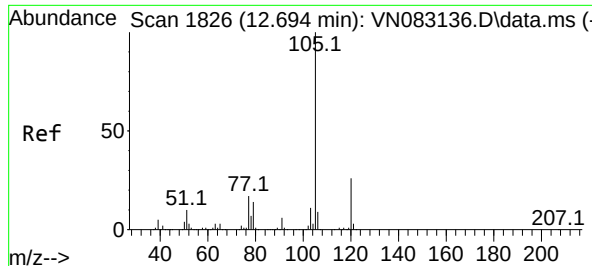


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.006 min
Lab File: VN083447.D
Acq: 23 Aug 2024 08:39



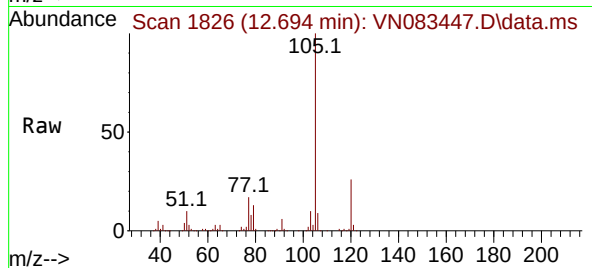
Tgt Ion:152 Resp: 116414
Ion Ratio Lower Upper
152 100
115 63.3 30.6 91.6
150 173.2 0.0 348.6





#73
Isopropylbenzene
Concen: 46.909 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN083447.D
Acq: 23 Aug 2024 08:39

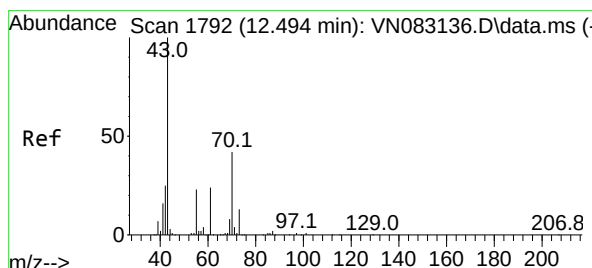
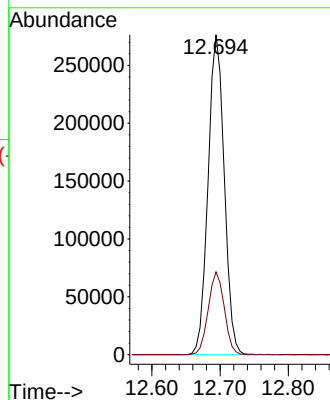
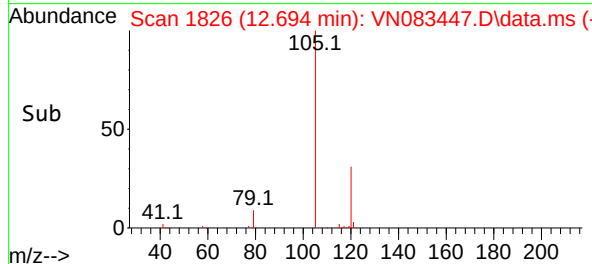
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 105 Resp: 456764
Ion Ratio Lower Upper
105 100
120 25.6 12.9 38.6

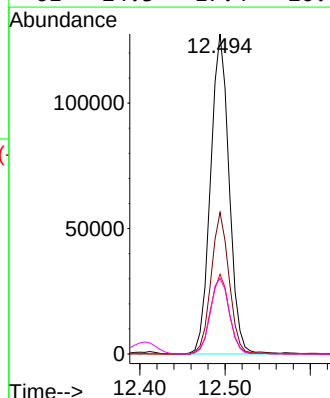
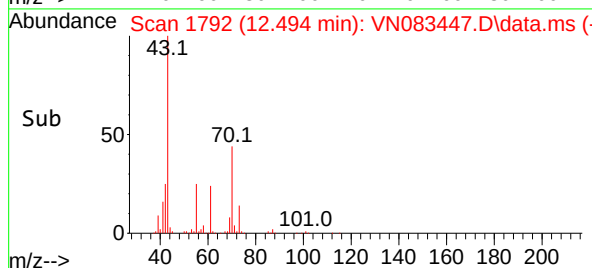
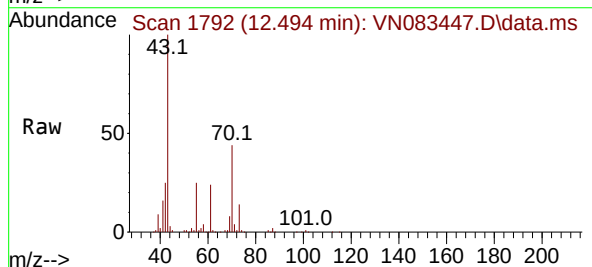
Manual Integrations
APPROVED

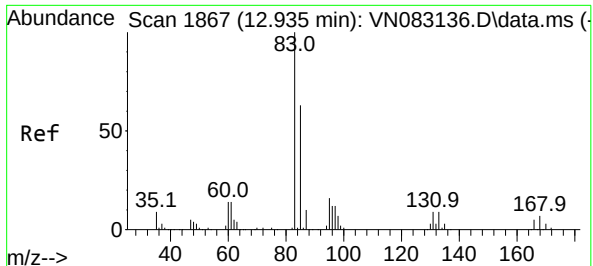
Reviewed By :John Carlone 08/26/2024
Supervised By :Semsettin Yesilyurt 08/26/2024



#74
N-ethyl acetate
Concen: 40.669 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN083447.D
Acq: 23 Aug 2024 08:39

Tgt Ion: 43 Resp: 193699
Ion Ratio Lower Upper
43 100
70 42.7 29.8 44.6
55 25.0 18.7 28.1
61 24.3 17.4 26.0





#75

1,1,2,2-Tetrachloroethane

Concen: 46.262 ug/l

RT: 12.935 min Scan# 1867

Delta R.T. -0.000 min

Lab File: VN083447.D

Acq: 23 Aug 2024 08:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 127400

Ion Ratio Lower Upper

83 100

131 10.4 5.0 14.9

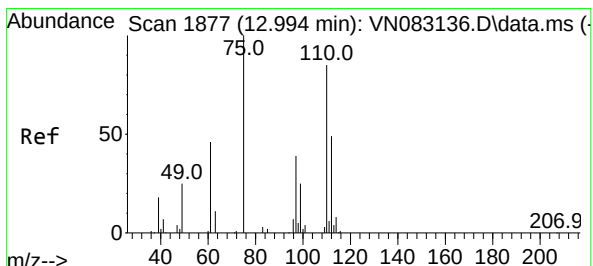
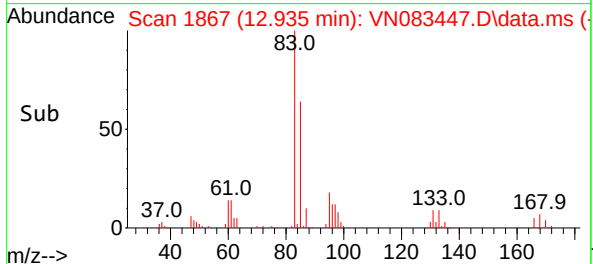
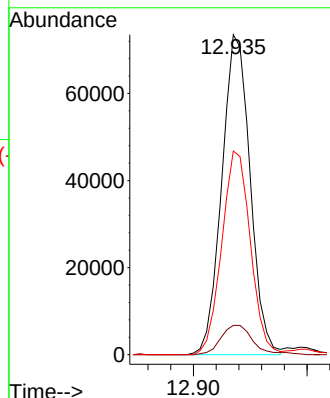
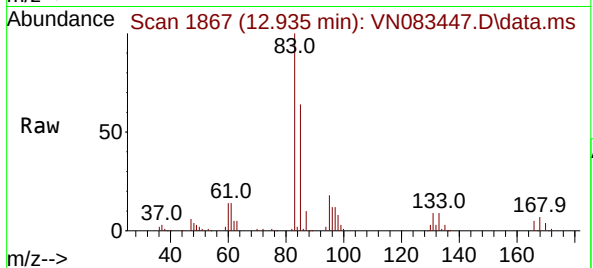
85 64.5 31.9 95.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/26/2024

Supervised By :Semsettin Yesilyurt 08/26/2024



#76

1,2,3-Trichloropropane

Concen: 43.166 ug/l m

RT: 12.994 min Scan# 1877

Delta R.T. -0.000 min

Lab File: VN083447.D

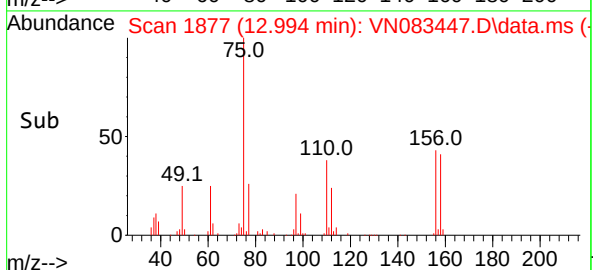
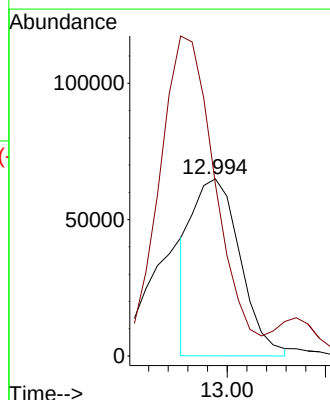
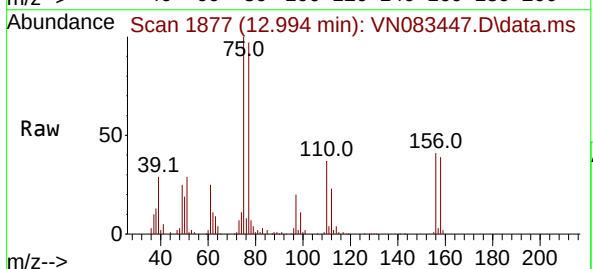
Acq: 23 Aug 2024 08:39

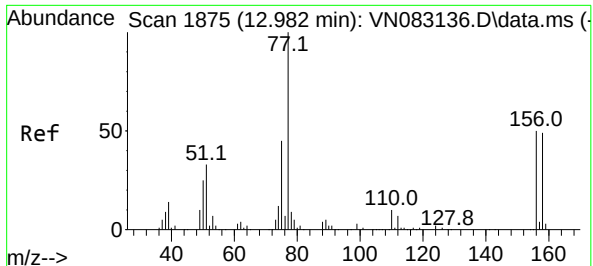
Tgt Ion: 75 Resp: 110289

Ion Ratio Lower Upper

75 100

77 213.7 110.9 332.6





#77

Bromobenzene

Concen: 46.953 ug/l

RT: 12.976 min Scan# 1874

Delta R.T. -0.006 min

Lab File: VN083447.D

Acq: 23 Aug 2024 08:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion:156 Resp: 10156

Ion Ratio Lower Upper

156 100

77 232.1 111.3 333.8

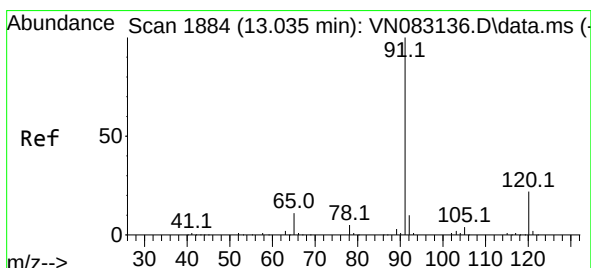
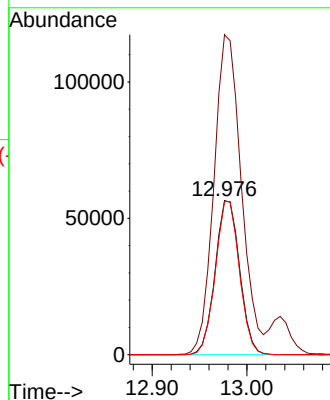
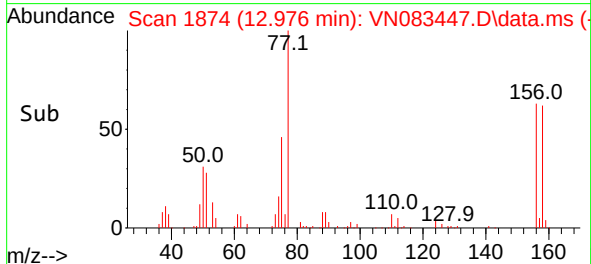
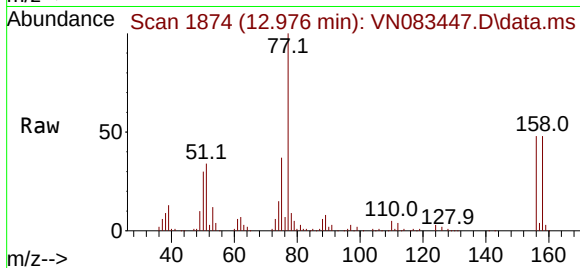
158 97.6 48.3 144.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/26/2024

Supervised By :Semsettin Yesilyurt 08/26/2024



#78

n-propylbenzene

Concen: 46.926 ug/l

RT: 13.035 min Scan# 1884

Delta R.T. -0.000 min

Lab File: VN083447.D

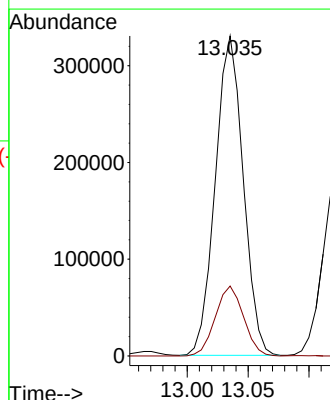
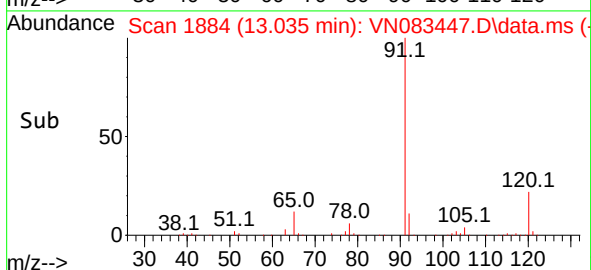
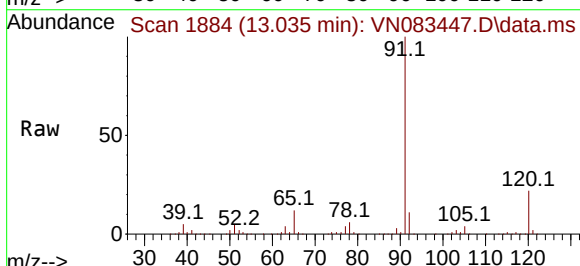
Acq: 23 Aug 2024 08:39

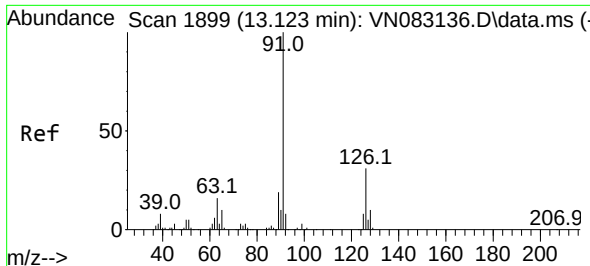
Tgt Ion: 91 Resp: 526142

Ion Ratio Lower Upper

91 100

120 22.1 10.9 32.9





#79

2-Chlorotoluene

Concen: 47.310 ug/l

RT: 13.123 min Scan# 1899

Delta R.T. -0.000 min

Lab File: VN083447.D

Acq: 23 Aug 2024 08:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 336302

Ion Ratio Lower Upper

91 100

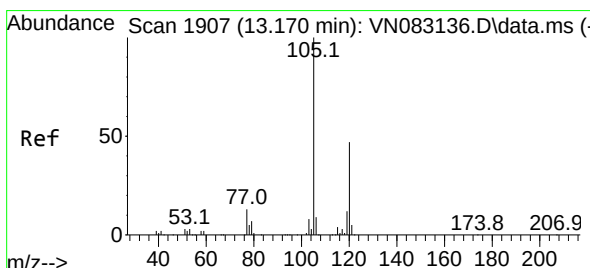
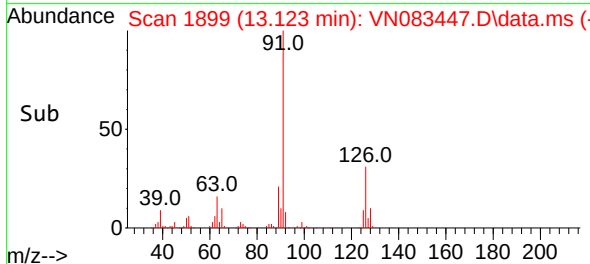
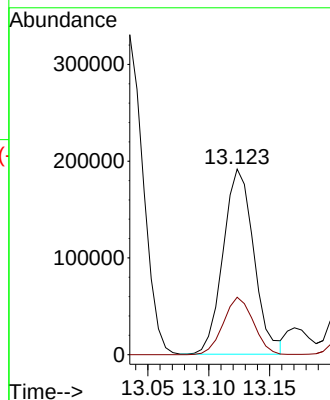
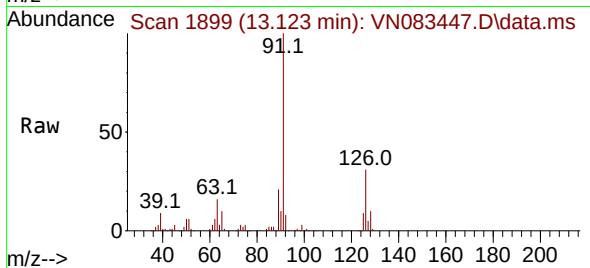
126 30.4 16.2 48.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/26/2024

Supervised By :Semsettin Yesilyurt 08/26/2024



#80

1,3,5-Trimethylbenzene

Concen: 46.979 ug/l

RT: 13.170 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VN083447.D

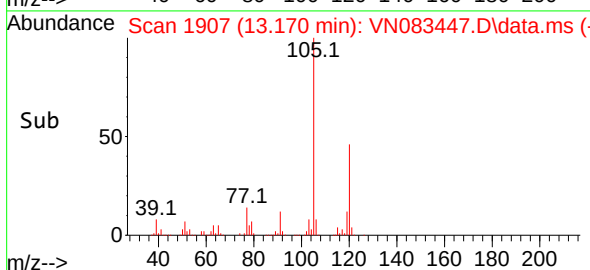
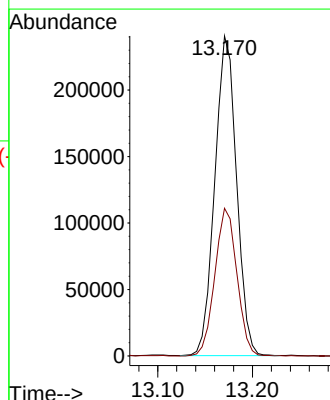
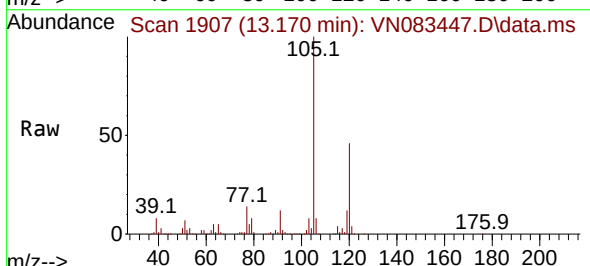
Acq: 23 Aug 2024 08:39

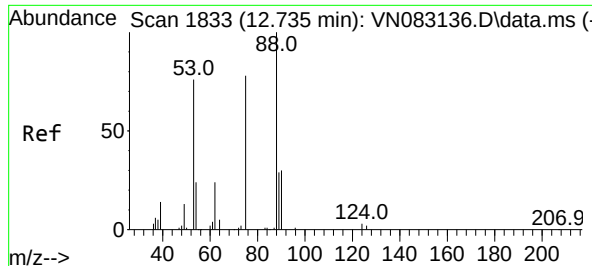
Tgt Ion:105 Resp: 382975

Ion Ratio Lower Upper

105 100

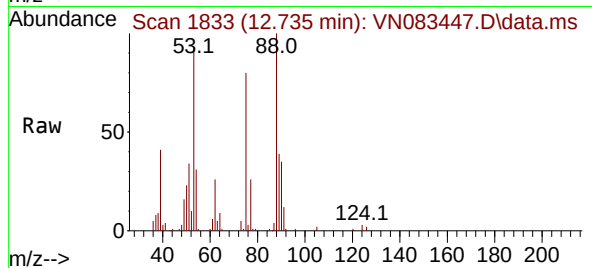
120 47.0 24.3 72.8





#81
trans-1,4-Dichloro-2-butene
Concen: 43.392 ug/l
RT: 12.735 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN083447.D
Acq: 23 Aug 2024 08:39

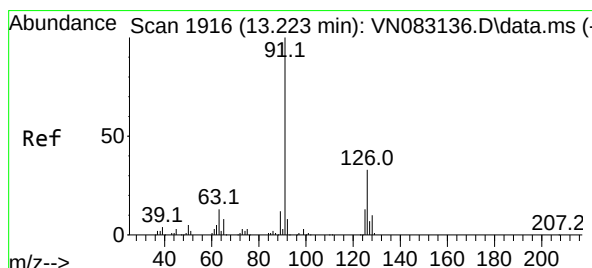
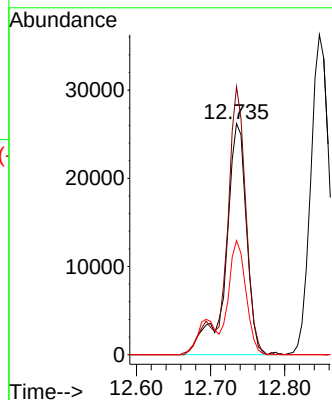
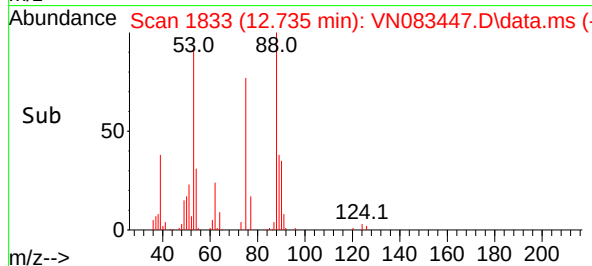
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 75 Resp: 50968
Ion Ratio Lower Upper
75 100
53 97.2 88.4 132.6
89 41.0 36.3 54.5

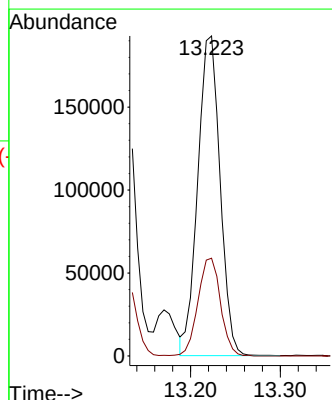
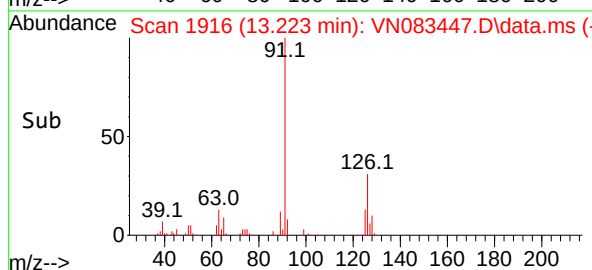
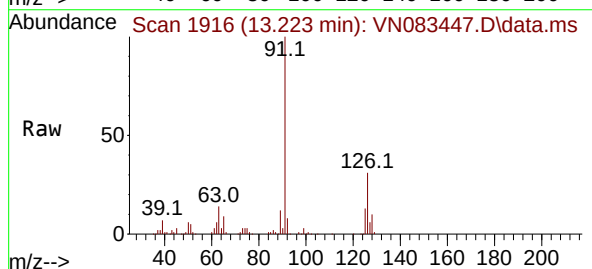
Manual Integrations
APPROVED

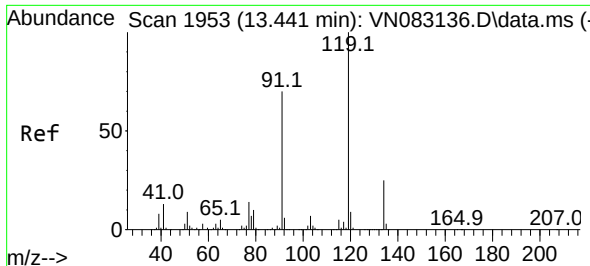
Reviewed By :John Carlone 08/26/2024
Supervised By :Semsettin Yesilyurt 08/26/2024



#82
4-Chlorotoluene
Concen: 46.589 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. -0.000 min
Lab File: VN083447.D
Acq: 23 Aug 2024 08:39

Tgt Ion: 91 Resp: 332191
Ion Ratio Lower Upper
91 100
126 31.0 16.2 48.6





#83

tert-Butylbenzene

Concen: 46.946 ug/l

RT: 13.435 min Scan# 1953

Delta R.T. -0.006 min

Lab File: VN083447.D

Acq: 23 Aug 2024 08:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion:119 Resp: 338918

Ion Ratio Lower Upper

119 100

91 70.6 35.0 105.1

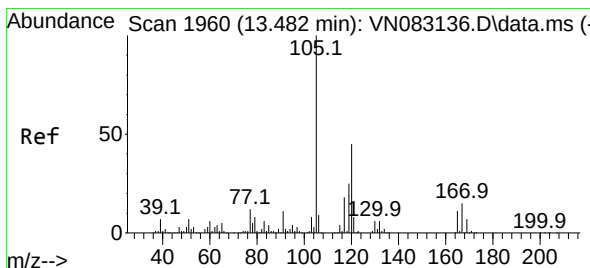
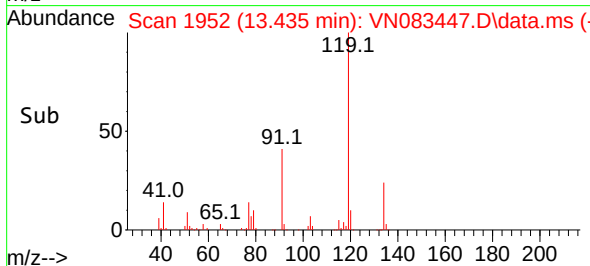
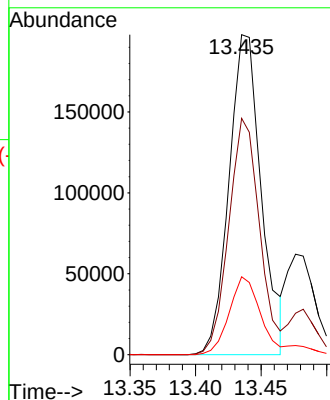
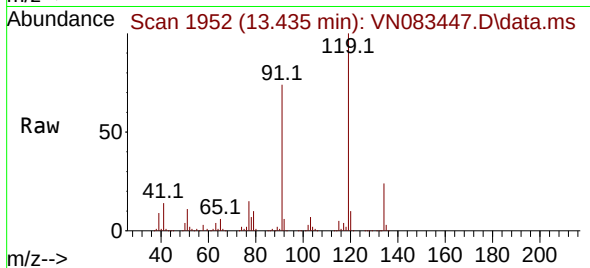
134 25.6 13.3 39.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/26/2024

Supervised By :Semsettin Yesilyurt 08/26/2024



#84

1,2,4-Trimethylbenzene

Concen: 47.956 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. -0.000 min

Lab File: VN083447.D

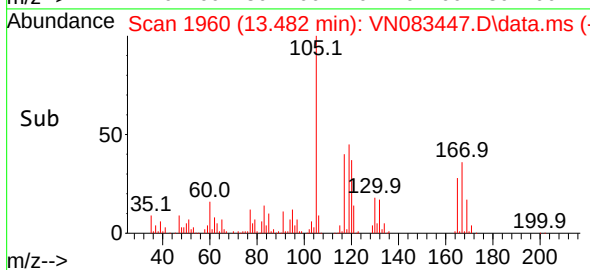
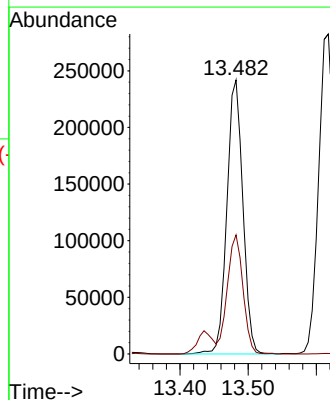
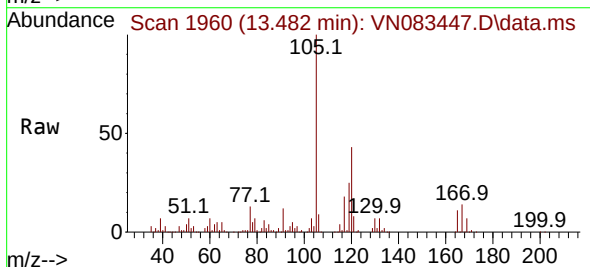
Acq: 23 Aug 2024 08:39

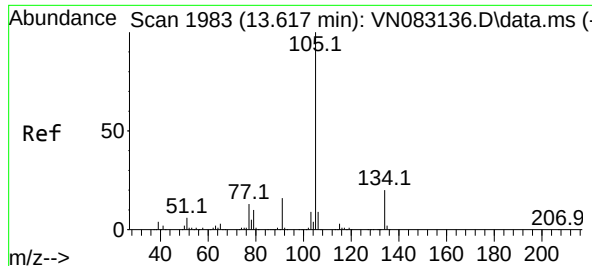
Tgt Ion:105 Resp: 393980

Ion Ratio Lower Upper

105 100

120 42.7 21.9 65.8





#85

sec-Butylbenzene

Concen: 46.687 ug/l

RT: 13.617 min Scan# 1983

Delta R.T. -0.000 min

Lab File: VN083447.D

Acq: 23 Aug 2024 08:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion:105 Resp: 45990

Ion Ratio Lower Upper

105 100

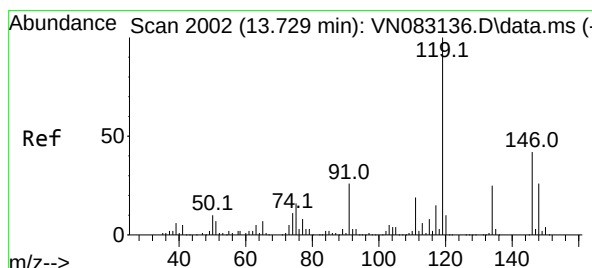
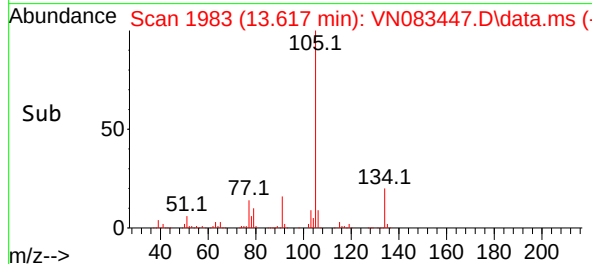
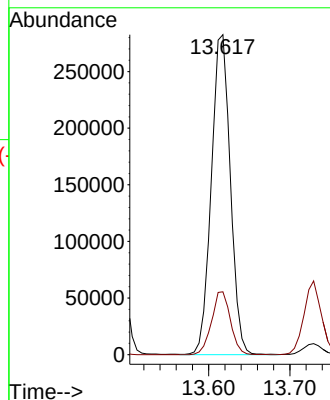
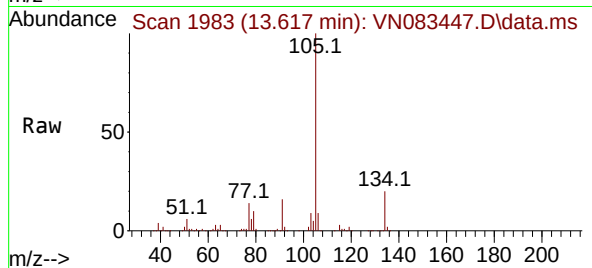
134 19.5 9.8 29.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/26/2024

Supervised By :Semsettin Yesilyurt 08/26/2024



#86

p-Isopropyltoluene

Concen: 47.650 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. -0.000 min

Lab File: VN083447.D

Acq: 23 Aug 2024 08:39

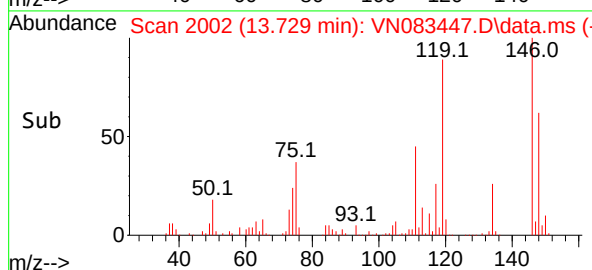
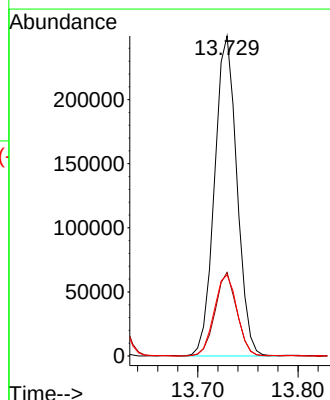
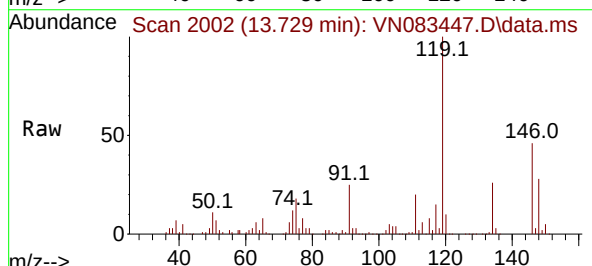
Tgt Ion:119 Resp: 387564

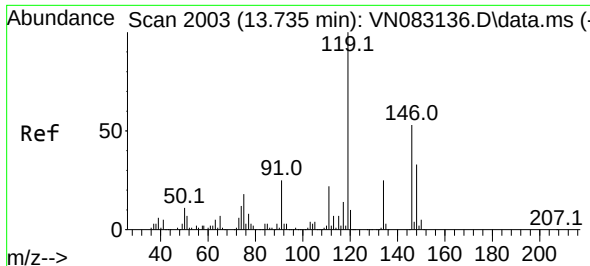
Ion Ratio Lower Upper

119 100

134 25.2 13.0 39.0

91 26.0 12.3 36.9





#87

1,3-Dichlorobenzene

Concen: 48.376 ug/l

RT: 13.735 min Scan# 2003

Delta R.T. -0.000 min

Lab File: VN083447.D

Acq: 23 Aug 2024 08:39

Instrument :

MSVOA_N

ClientSampleId :

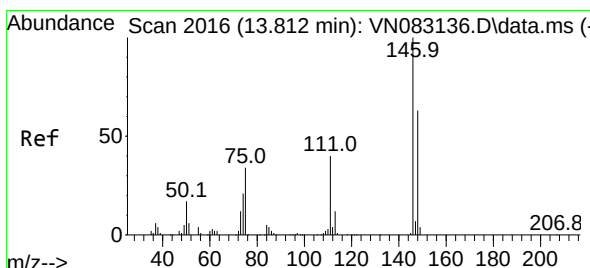
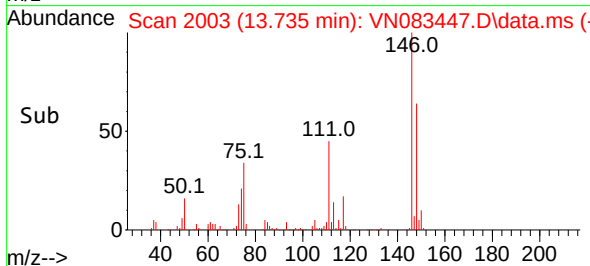
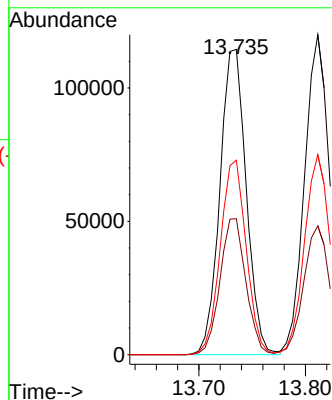
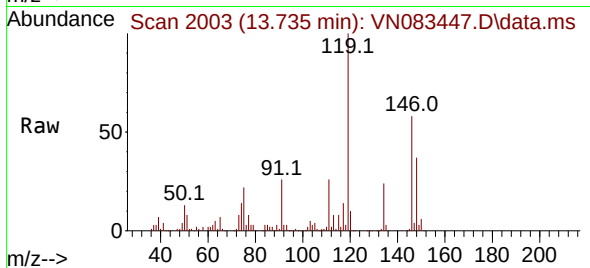
VSTDCCC050

Tgt Ion:	146	Resp:	196894
Ion Ratio	Lower	Upper	
146	100		
111	43.8	20.6	61.9
148	62.5	31.8	95.3

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/26/2024

Supervised By :Semsettin Yesilyurt 08/26/2024



#88

1,4-Dichlorobenzene

Concen: 48.050 ug/l

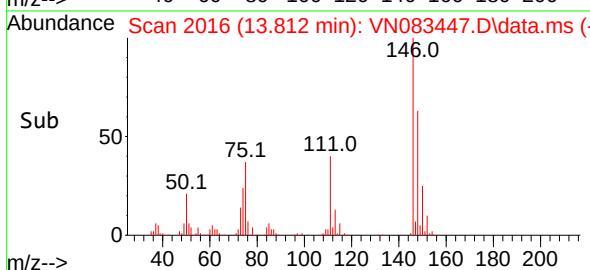
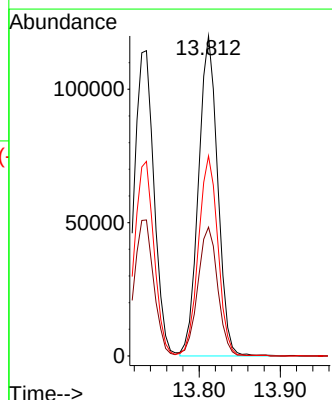
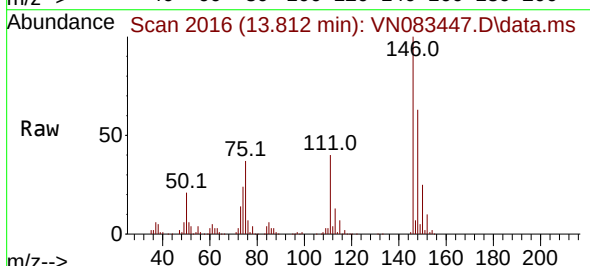
RT: 13.812 min Scan# 2016

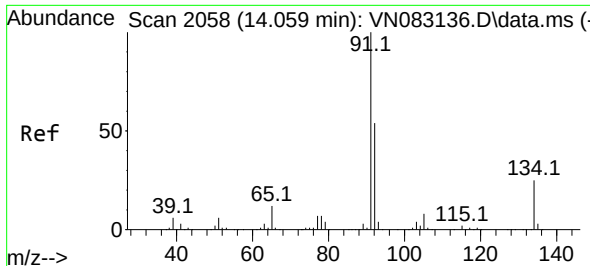
Delta R.T. -0.000 min

Lab File: VN083447.D

Acq: 23 Aug 2024 08:39

Tgt Ion:	146	Resp:	197160
Ion Ratio	Lower	Upper	
146	100		
111	41.5	20.1	60.3
148	63.4	32.2	96.6





#89

n-Butylbenzene

Concen: 47.339 ug/l

RT: 14.053 min Scan# 2058

Delta R.T. -0.006 min

Lab File: VN083447.D

Acq: 23 Aug 2024 08:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 33363

Ion Ratio Lower Upper

91 100

92 53.0 26.1 78.3

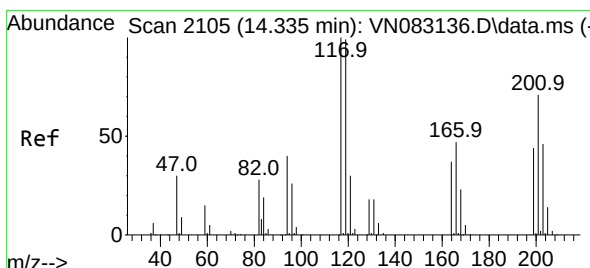
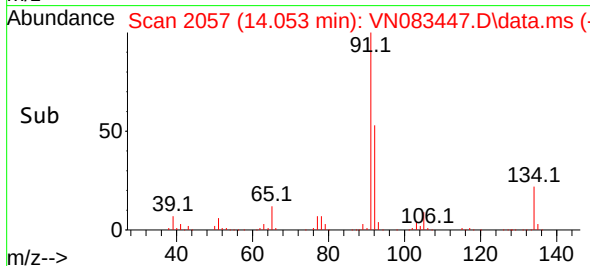
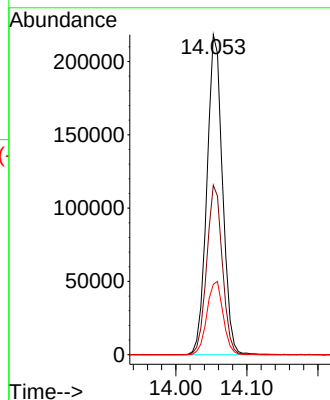
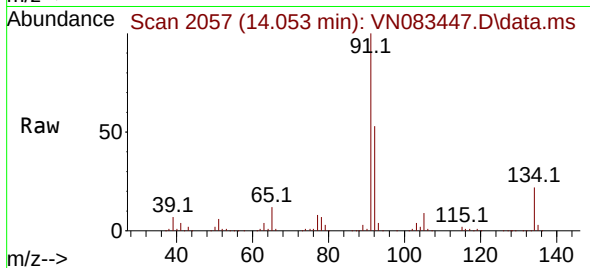
134 23.7 12.1 36.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/26/2024

Supervised By :Semsettin Yesilyurt 08/26/2024



#90

Hexachloroethane

Concen: 45.923 ug/l

RT: 14.335 min Scan# 2105

Delta R.T. -0.000 min

Lab File: VN083447.D

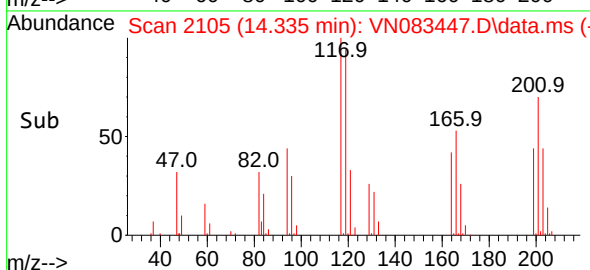
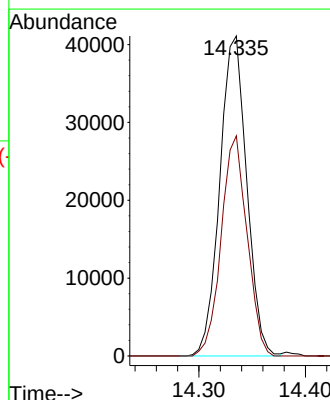
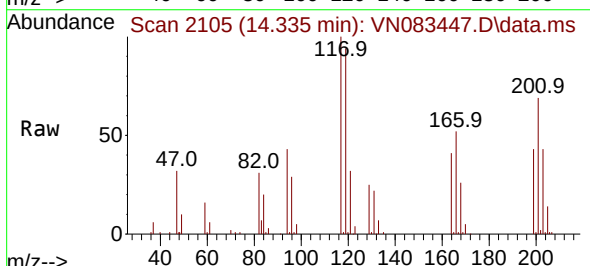
Acq: 23 Aug 2024 08:39

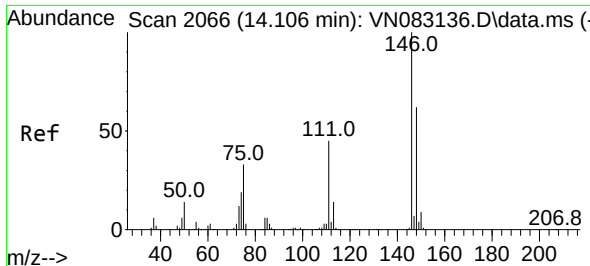
Tgt Ion:117 Resp: 72163

Ion Ratio Lower Upper

117 100

201 66.0 35.8 107.3





#91

1,2-Dichlorobenzene

Concen: 49.373 ug/l

RT: 14.106 min Scan# 2066

Delta R.T. -0.000 min

Lab File: VN083447.D

Acq: 23 Aug 2024 08:39

Instrument :

MSVOA_N

ClientSampleId :

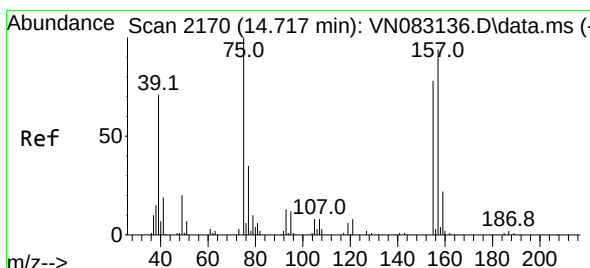
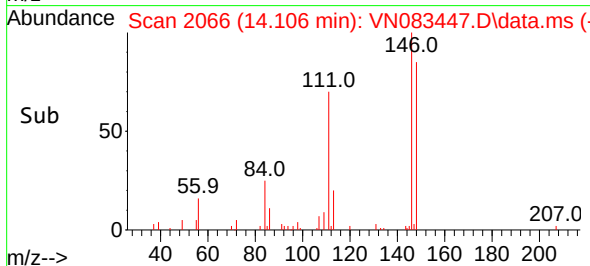
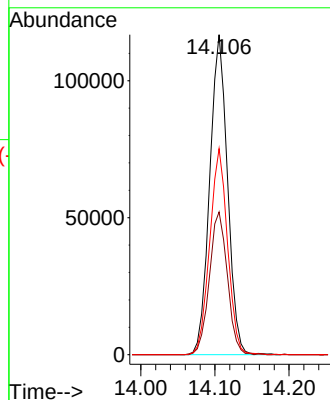
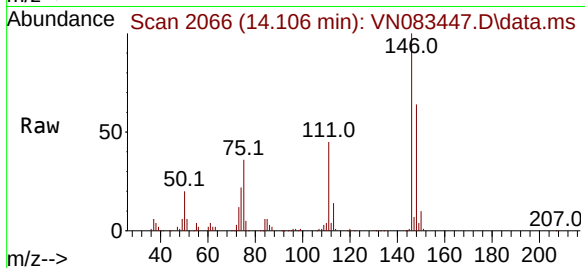
VSTDCCC050

Tgt Ion:	146	Resp:	194450
Ion	Ratio	Lower	Upper
146	100		
111	45.1	21.4	64.2
148	64.6	32.1	96.5

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/26/2024

Supervised By :Semsettin Yesilyurt 08/26/2024



#92

1,2-Dibromo-3-Chloropropane

Concen: 39.455 ug/l

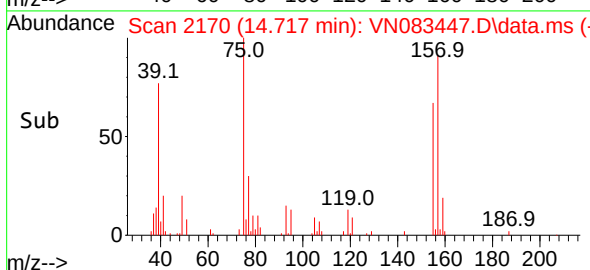
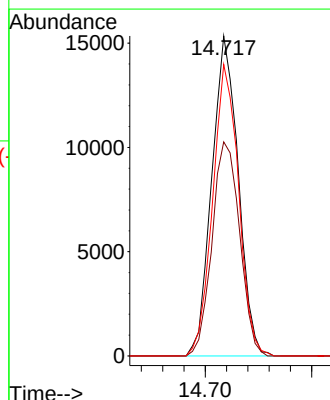
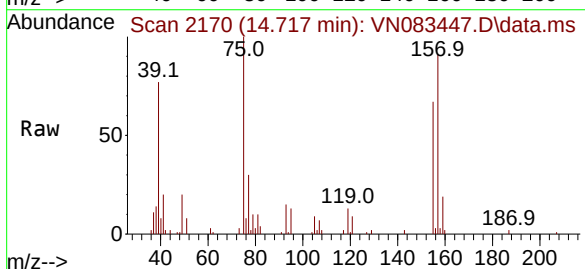
RT: 14.717 min Scan# 2170

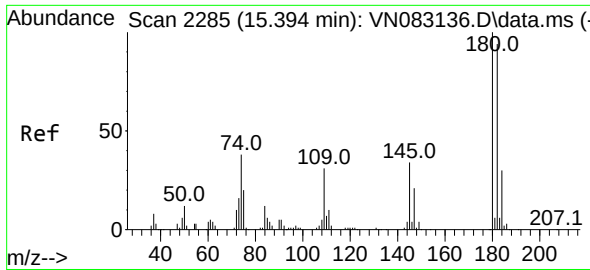
Delta R.T. -0.000 min

Lab File: VN083447.D

Acq: 23 Aug 2024 08:39

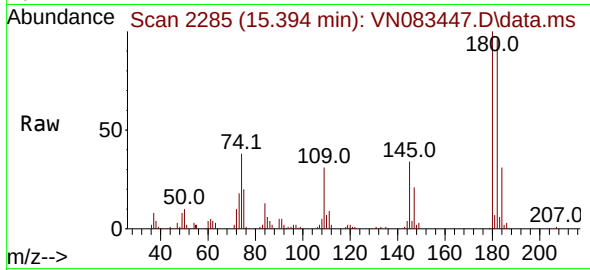
Tgt Ion:	75	Resp:	26367
Ion	Ratio	Lower	Upper
75	100		
155	69.9	36.6	109.8
157	89.5	46.9	140.6





#93
1,2,4-Trichlorobenzene
Concen: 43.302 ug/l
RT: 15.394 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN083447.D
Acq: 23 Aug 2024 08:39

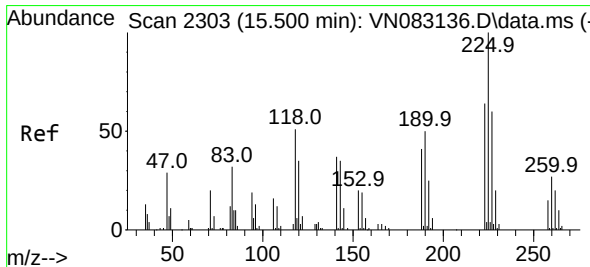
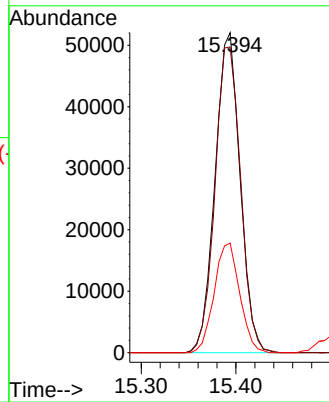
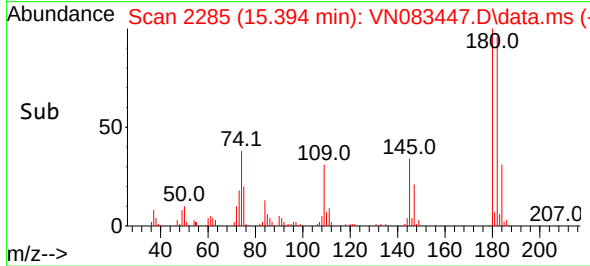
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



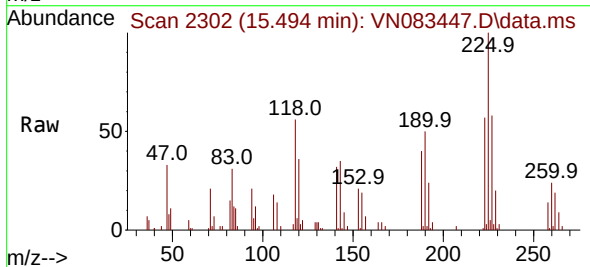
Tgt Ion:180 Resp: 9554
Ion Ratio Lower Upper
180 100
182 97.9 47.3 141.8
145 34.9 15.7 47.1

Manual Integrations
APPROVED

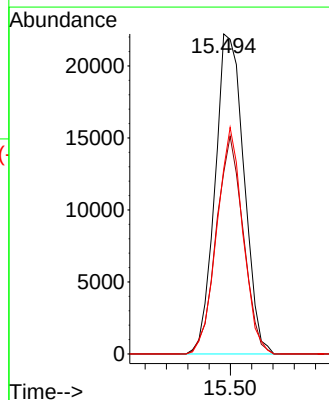
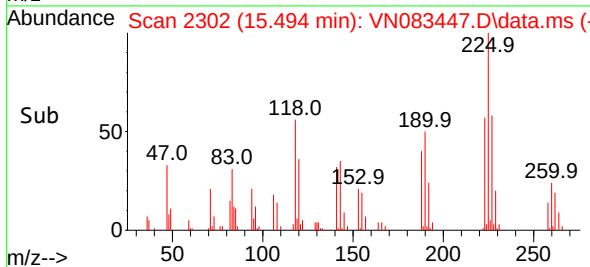
Reviewed By :John Carlone 08/26/2024
Supervised By :Semsettin Yesilyurt 08/26/2024

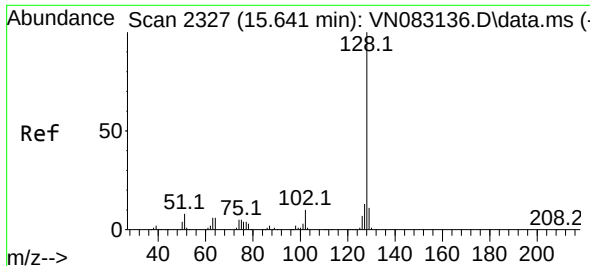


#94
Hexachlorobutadiene
Concen: 42.488 ug/l
RT: 15.494 min Scan# 2302
Delta R.T. -0.006 min
Lab File: VN083447.D
Acq: 23 Aug 2024 08:39



Tgt Ion:225 Resp: 41693
Ion Ratio Lower Upper
225 100
223 63.7 31.9 95.7
227 64.1 32.5 97.5





#95

Naphthalene

Concen: 41.333 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. -0.000 min

Lab File: VN083447.D

Acq: 23 Aug 2024 08:39

Instrument :

MSVOA_N

ClientSampleId :

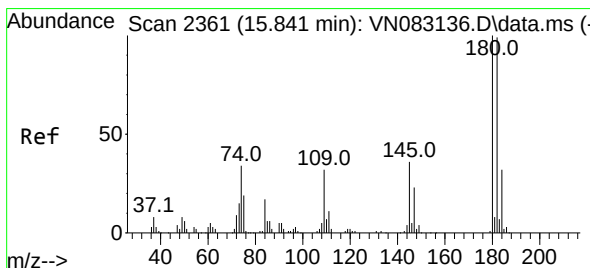
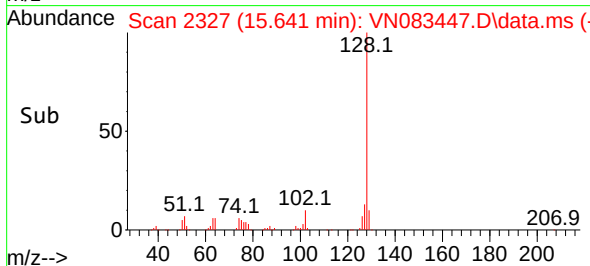
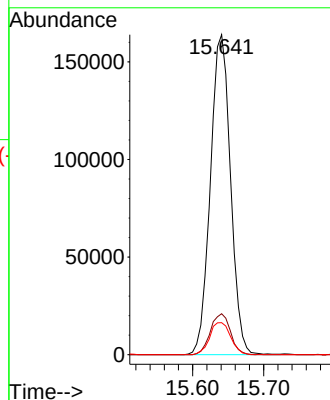
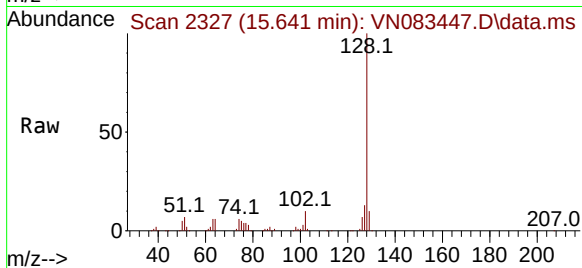
VSTDCCC050

Tgt Ion:	128	Resp:	32305
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.6	16.0
129	10.4	8.6	12.8

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/26/2024

Supervised By :Semsettin Yesilyurt 08/26/2024



#96

1,2,3-Trichlorobenzene

Concen: 44.921 ug/l

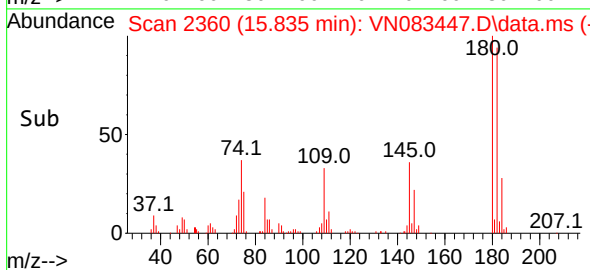
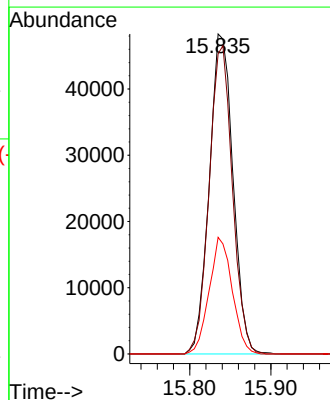
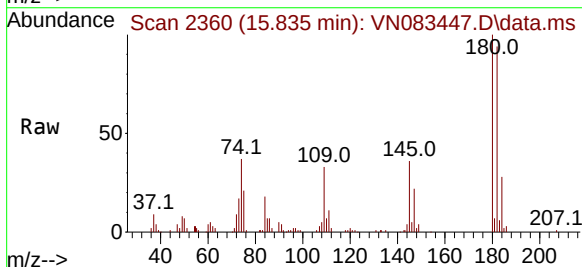
RT: 15.835 min Scan# 2360

Delta R.T. -0.006 min

Lab File: VN083447.D

Acq: 23 Aug 2024 08:39

Tgt Ion:	180	Resp:	98075
Ion Ratio	Lower	Upper	
180	100		
182	94.3	48.9	146.8
145	35.5	16.8	50.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082324\
Data File : VN083447.D
Acq On : 23 Aug 2024 08:39
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Aug 23 23:52:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 08 06:30:41 2024
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	75	0.00
2 T	Dichlorodifluoromethane	0.567	0.489	13.8	64	0.00
3 P	Chloromethane	0.581	0.573	1.4	73	0.00
4 C	Vinyl Chloride	0.592	0.600	-1.4#	75	0.00
5 T	Bromomethane	0.368	0.309	16.0	65	-0.05
6 T	Chloroethane	0.371	0.405	-9.2	85	-0.04
7 T	Trichlorofluoromethane	0.979	1.045	-6.7	79	-0.02
8 T	Diethyl Ether	0.364	0.361	0.8	74	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.539	0.582	-8.0	80	0.00
10 T	Methyl Iodide	0.710	0.732	-3.1	74	-0.01
11 T	Tert butyl alcohol	0.148	0.103	30.4#	53	0.01
12 CM	1,1-Dichloroethene	0.554	0.538	2.9#	74	-0.01
13 T	Acrolein	0.096	0.101	-5.2	74	0.00
14 T	Allyl chloride	1.047	0.993	5.2	80	0.00
15 T	Acrylonitrile	0.304	0.280	7.9	69	0.00
16 T	Acetone	0.278	0.317	-14.0	83	0.00
17 T	Carbon Disulfide	1.622	1.459	10.0	70	-0.01
18 T	Methyl Acetate	0.830	0.746	10.1	72	0.00
19 T	Methyl tert-butyl Ether	2.001	1.993	0.4	74	0.00
20 T	Methylene Chloride	0.641	0.629	1.9	79	-0.01
21 T	trans-1,2-Dichloroethene	0.573	0.573	0.0	75	-0.01
22 T	Diisopropyl ether	1.969	2.075	-5.4	77	0.00
23 T	Vinyl Acetate	2.018	2.125	-5.3	76	0.00
24 P	1,1-Dichloroethane	1.073	1.158	-7.9	80	0.00
25 T	2-Butanone	0.428	0.400	6.5	70	0.00
26 T	2,2-Dichloropropane	0.997	1.070	-7.3	78	0.00
27 T	cis-1,2-Dichloroethene	0.691	0.713	-3.2	77	0.00
28 T	Bromochloromethane	0.439	0.444	-1.1	76	0.00
29 T	Tetrahydrofuran	0.276	0.243	12.0	65	0.00
30 C	Chloroform	1.115	1.217	-9.1#	80	0.00
31 T	Cyclohexane	1.055	1.002	5.0	76	0.00
32 T	1,1,1-Trichloroethane	1.055	1.117	-5.9	78	0.00
33 S	1,2-Dichloroethane-d4	0.712	0.709	0.4	71	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	76	0.00
35 S	Dibromofluoromethane	0.312	0.301	3.5	68	0.00
36 T	1,1-Dichloropropene	0.472	0.488	-3.4	78	0.00
37 T	Ethyl Acetate	0.529	0.468	11.5	71	0.00
38 T	Carbon Tetrachloride	0.532	0.558	-4.9	77	0.00
39 T	Methylcyclohexane	0.580	0.586	-1.0	74	0.00
40 TM	Benzene	1.406	1.490	-6.0	78	0.00
41 T	Methacrylonitrile	0.301	0.267	11.3	71	0.00
42 TM	1,2-Dichloroethane	0.512	0.558	-9.0	81	0.00
43 T	Isopropyl Acetate	1.211	0.814	32.8#	67	0.00
44 TM	Trichloroethene	0.335	0.345	-3.0	76	0.00
45 C	1,2-Dichloropropane	0.334	0.361	-8.1#	79	0.00
46 T	Dibromomethane	0.239	0.255	-6.7	77	0.00
47 T	Bromodichloromethane	0.537	0.560	-4.3	78	0.00
48 T	Methyl methacrylate	0.437	0.394	9.8	70	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082324\
Data File : VN083447.D
Acq On : 23 Aug 2024 08:39
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Aug 23 23:52:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 08 06:30:41 2024
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	0.008	0.006	25.0	60	0.00
50 S	Toluene-d8	1.164	1.082	7.0	65	0.00
51 T	4-Methyl-2-Pentanone	0.500	0.456	8.8	67	0.00
52 CM	Toluene	0.889	0.950	-6.9#	77	0.00
53 T	t-1,3-Dichloropropene	0.551	0.569	-3.3	72	0.00
54 T	cis-1,3-Dichloropropene	0.586	0.607	-3.6	76	0.00
55 T	1,1,2-Trichloroethane	0.318	0.337	-6.0	76	0.00
56 T	Ethyl methacrylate	0.600	0.567	5.5	69	0.00
57 T	1,3-Dichloropropane	0.568	0.602	-6.0	77	0.00
58 T	2-Chloroethyl Vinyl ether	0.254	0.225	11.4	65	0.00
59 T	2-Hexanone	0.387	0.349	9.8	67	0.00
60 T	Dibromochloromethane	0.385	0.404	-4.9	74	0.00
61 T	1,2-Dibromoethane	0.335	0.339	-1.2	74	0.00
62 S	4-Bromofluorobenzene	0.454	0.439	3.3	67	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	76	0.00
64 T	Tetrachloroethene	0.331	0.332	-0.3	73	0.00
65 PM	Chlorobenzene	1.105	1.131	-2.4	75	0.00
66 T	1,1,1,2-Tetrachloroethane	0.390	0.398	-2.1	75	0.00
67 C	Ethyl Benzene	2.027	2.083	-2.8#	76	0.00
68 T	m/p-Xylenes	0.759	0.776	-2.2	75	0.00
69 T	o-Xylene	0.749	0.756	-0.9	74	0.00
70 T	Styrene	1.258	1.283	-2.0	73	0.00
71 P	Bromoform	0.295	0.292	1.0	69	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	81	0.00
73 T	Isopropylbenzene	4.182	3.924	6.2	75	0.00
74 T	N-amyl acetate	2.046	1.664	18.7	67	0.00
75 P	1,1,2,2-Tetrachloroethane	1.183	1.094	7.5	76	0.00
76 T	1,2,3-Trichloropropane	1.097	0.947	13.7	72	0.00
77 T	Bromobenzene	0.929	0.872	6.1	74	0.00
78 T	n-propylbenzene	4.816	4.520	6.1	74	0.00
79 T	2-Chlorotoluene	3.053	2.889	5.4	76	0.00
80 T	1,3,5-Trimethylbenzene	3.501	3.290	6.0	74	0.00
81 T	trans-1,4-Dichloro-2-butene	0.504	0.438	13.1	72	0.00
82 T	4-Chlorotoluene	3.062	2.854	6.8	75	0.00
83 T	tert-Butylbenzene	3.101	2.911	6.1	75	0.00
84 T	1,2,4-Trimethylbenzene	3.529	3.384	4.1	75	0.00
85 T	sec-Butylbenzene	4.231	3.951	6.6	73	0.00
86 T	p-Isopropyltoluene	3.493	3.329	4.7	73	0.00
87 T	1,3-Dichlorobenzene	1.748	1.691	3.3	77	0.00
88 T	1,4-Dichlorobenzene	1.762	1.694	3.9	77	0.00
89 T	n-Butylbenzene	3.027	2.866	5.3	72	0.00
90 T	Hexachloroethane	0.675	0.620	8.1	73	0.00
91 T	1,2-Dichlorobenzene	1.692	1.670	1.3	80	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.287	0.226	21.3	65	0.00
93 T	1,2,4-Trichlorobenzene	0.948	0.821	13.4	68	0.00
94 T	Hexachlorobutadiene	0.421	0.358	15.0	71	0.00
95 T	Naphthalene	3.357	2.775	17.3	65	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082324\
Data File : VN083447.D
Acq On : 23 Aug 2024 08:39
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Aug 23 23:52:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 08 06:30:41 2024
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	0.938	0.842	10.2	71	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082324\
Data File : VN083447.D
Acq On : 23 Aug 2024 08:39
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Aug 23 23:52:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 08 06:30:41 2024
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	75	0.00
2 T	Dichlorodifluoromethane	50.000	43.126	13.7	64	0.00
3 P	Chloromethane	50.000	49.327	1.3	73	0.00
4 C	Vinyl Chloride	50.000	50.605	-1.2#	75	0.00
5 T	Bromomethane	50.000	42.015	16.0	65	-0.05
6 T	Chloroethane	50.000	54.663	-9.3	85	-0.04
7 T	Trichlorofluoromethane	50.000	53.406	-6.8	79	-0.02
8 T	Diethyl Ether	50.000	49.616	0.8	74	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	53.974	-7.9	80	0.00
10 T	Methyl Iodide	50.000	51.603	-3.2	74	-0.01
11 T	Tert butyl alcohol	250.000	174.012	30.4#	53	0.01
12 CM	1,1-Dichloroethene	50.000	48.496	3.0#	74	-0.01
13 T	Acrolein	250.000	262.359	-4.9	74	0.00
14 T	Allyl chloride	50.000	47.406	5.2	80	0.00
15 T	Acrylonitrile	250.000	230.519	7.8	69	0.00
16 T	Acetone	250.000	284.683	-13.9	83	0.00
17 T	Carbon Disulfide	50.000	44.992	10.0	70	-0.01
18 T	Methyl Acetate	50.000	44.962	10.1	72	0.00
19 T	Methyl tert-butyl Ether	50.000	49.818	0.4	74	0.00
20 T	Methylene Chloride	50.000	49.072	1.9	79	-0.01
21 T	trans-1,2-Dichloroethene	50.000	50.024	-0.0	75	-0.01
22 T	Diisopropyl ether	50.000	52.704	-5.4	77	0.00
23 T	Vinyl Acetate	250.000	263.297	-5.3	76	0.00
24 P	1,1-Dichloroethane	50.000	53.945	-7.9	80	0.00
25 T	2-Butanone	250.000	233.750	6.5	70	0.00
26 T	2,2-Dichloropropane	50.000	53.666	-7.3	78	0.00
27 T	cis-1,2-Dichloroethene	50.000	51.562	-3.1	77	0.00
28 T	Bromochloromethane	50.000	50.601	-1.2	76	0.00
29 T	Tetrahydrofuran	250.000	219.657	12.1	65	0.00
30 C	Chloroform	50.000	54.589	-9.2#	80	0.00
31 T	Cyclohexane	50.000	47.504	5.0	76	0.00
32 T	1,1,1-Trichloroethane	50.000	52.920	-5.8	78	0.00
33 S	1,2-Dichloroethane-d4	50.000	49.835	0.3	71	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	76	0.00
35 S	Dibromofluoromethane	50.000	48.224	3.6	68	0.00
36 T	1,1-Dichloropropene	50.000	51.698	-3.4	78	0.00
37 T	Ethyl Acetate	50.000	44.288	11.4	71	0.00
38 T	Carbon Tetrachloride	50.000	52.516	-5.0	77	0.00
39 T	Methylcyclohexane	50.000	50.548	-1.1	74	0.00
40 TM	Benzene	50.000	52.961	-5.9	78	0.00
41 T	Methacrylonitrile	50.000	44.486	11.0	71	0.00
42 TM	1,2-Dichloroethane	50.000	54.411	-8.8	81	0.00
43 T	Isopropyl Acetate	50.000	43.989	12.0	67	0.00
44 TM	Trichloroethene	50.000	51.602	-3.2	76	0.00
45 C	1,2-Dichloropropane	50.000	54.006	-8.0#	79	0.00
46 T	Dibromomethane	50.000	53.360	-6.7	77	0.00
47 T	Bromodichloromethane	50.000	52.187	-4.4	78	0.00
48 T	Methyl methacrylate	50.000	45.041	9.9	70	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082324\
Data File : VN083447.D
Acq On : 23 Aug 2024 08:39
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Aug 23 23:52:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 08 06:30:41 2024
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	818.077	18.2	60	0.00
50 S	Toluene-d8	50.000	46.491	7.0	65	0.00
51 T	4-Methyl-2-Pentanone	250.000	227.987	8.8	67	0.00
52 CM	Toluene	50.000	53.465	-6.9#	77	0.00
53 T	t-1,3-Dichloropropene	50.000	51.640	-3.3	72	0.00
54 T	cis-1,3-Dichloropropene	50.000	51.792	-3.6	76	0.00
55 T	1,1,2-Trichloroethane	50.000	52.945	-5.9	76	0.00
56 T	Ethyl methacrylate	50.000	47.221	5.6	69	0.00
57 T	1,3-Dichloropropane	50.000	53.015	-6.0	77	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	221.891	11.2	65	0.00
59 T	2-Hexanone	250.000	225.887	9.6	67	0.00
60 T	Dibromochloromethane	50.000	52.418	-4.8	74	0.00
61 T	1,2-Dibromoethane	50.000	50.729	-1.5	74	0.00
62 S	4-Bromofluorobenzene	50.000	48.390	3.2	67	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	76	0.00
64 T	Tetrachloroethene	50.000	50.089	-0.2	73	0.00
65 PM	Chlorobenzene	50.000	51.164	-2.3	75	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	51.003	-2.0	75	0.00
67 C	Ethyl Benzene	50.000	51.388	-2.8#	76	0.00
68 T	m/p-Xylenes	100.000	102.176	-2.2	75	0.00
69 T	o-Xylene	50.000	50.446	-0.9	74	0.00
70 T	Styrene	50.000	51.014	-2.0	73	0.00
71 P	Bromoform	50.000	49.435	1.1	69	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	81	0.00
73 T	Isopropylbenzene	50.000	46.909	6.2	75	0.00
74 T	N-ethyl acetate	50.000	40.669	18.7	67	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	46.262	7.5	76	0.00
76 T	1,2,3-Trichloropropane	50.000	43.166	13.7	72	0.00
77 T	Bromobenzene	50.000	46.953	6.1	74	0.00
78 T	n-propylbenzene	50.000	46.926	6.1	74	0.00
79 T	2-Chlorotoluene	50.000	47.310	5.4	76	0.00
80 T	1,3,5-Trimethylbenzene	50.000	46.979	6.0	74	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	43.392	13.2	72	0.00
82 T	4-Chlorotoluene	50.000	46.589	6.8	75	0.00
83 T	tert-Butylbenzene	50.000	46.946	6.1	75	0.00
84 T	1,2,4-Trimethylbenzene	50.000	47.956	4.1	75	0.00
85 T	sec-Butylbenzene	50.000	46.687	6.6	73	0.00
86 T	p-Isopropyltoluene	50.000	47.650	4.7	73	0.00
87 T	1,3-Dichlorobenzene	50.000	48.376	3.2	77	0.00
88 T	1,4-Dichlorobenzene	50.000	48.050	3.9	77	0.00
89 T	n-Butylbenzene	50.000	47.339	5.3	72	0.00
90 T	Hexachloroethane	50.000	45.923	8.2	73	0.00
91 T	1,2-Dichlorobenzene	50.000	49.373	1.3	80	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	39.455	21.1	65	0.00
93 T	1,2,4-Trichlorobenzene	50.000	43.302	13.4	68	0.00
94 T	Hexachlorobutadiene	50.000	42.488	15.0	71	0.00
95 T	Naphthalene	50.000	41.333	17.3	65	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082324\
Data File : VN083447.D
Acq On : 23 Aug 2024 08:39
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Aug 23 23:52:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 08 06:30:41 2024
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	44.921	10.2	71	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: DAYE01

Lab Code: CHEM Case No.: P3716 SAS No.: P3716 SDG No.: P3716

Instrument ID: MSVOA_N Calibration Date/Time: 08/26/2024 09:56

Lab File ID: VN083472.D Init. Calib. Date(s): 08/07/2024 08/07/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:33 12:34

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.567	0.540		-4.76	20
Chloromethane	0.581	0.611	0.1	5.16	20
Vinyl Chloride	0.592	0.640		8.11	20
Bromomethane	0.368	0.332		-9.78	20
Chloroethane	0.371	0.439		18.33	20
Trichlorofluoromethane	0.979	1.119		14.3	20
1,1,2-Trichlorotrifluoroethane	0.539	0.614		13.91	20
1,1-Dichloroethene	0.554	0.583		5.24	20
Acetone	0.278	0.334		20.14	20
Carbon Disulfide	1.622	1.566		-3.45	20
Methyl tert-butyl Ether	2.001	2.229		11.39	20
Methyl Acetate	0.830	0.856		3.13	20
Methylene Chloride	0.641	0.683		6.55	20
trans-1,2-Dichloroethene	0.573	0.617		7.68	20
1,1-Dichloroethane	1.073	1.254	0.1	16.87	20
Cyclohexane	1.055	1.070		1.42	20
2-Butanone	0.428	0.454		6.07	20
Carbon Tetrachloride	0.532	0.616		15.79	20
cis-1,2-Dichloroethene	0.691	0.768		11.14	20
Bromochloromethane	0.439	0.479		9.11	20
Chloroform	1.115	1.312		17.67	20
1,1,1-Trichloroethane	1.055	1.216		15.26	20
Methylcyclohexane	0.580	0.629		8.45	20
Benzene	1.406	1.620		15.22	20
1,2-Dichloroethane	0.512	0.611		19.34	20
Trichloroethene	0.335	0.376		12.24	20
1,2-Dichloropropane	0.334	0.400		19.76	20
Bromodichloromethane	0.537	0.628		16.95	20
4-Methyl-2-Pentanone	0.500	0.531		6.2	20
Toluene	0.889	1.026		15.41	20
t-1,3-Dichloropropene	0.551	0.645		17.06	20
cis-1,3-Dichloropropene	0.586	0.675		15.19	20
1,1,2-Trichloroethane	0.318	0.376		18.24	20
2-Hexanone	0.387	0.402		3.88	20
Dibromochloromethane	0.385	0.461		19.74	20
1,2-Dibromoethane	0.335	0.387		15.52	20
Tetrachloroethene	0.331	0.363		9.67	20
Chlorobenzene	1.105	1.228	0.3	11.13	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: DAYE01

Lab Code: CHEM Case No.: P3716 SAS No.: P3716 SDG No.: P3716

Instrument ID: MSVOA_N Calibration Date/Time: 08/26/2024 09:56

Lab File ID: VN083472.D Init. Calib. Date(s): 08/07/2024 08/07/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:33 12:34

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	2.027	2.259		11.44	20
m/p-Xylenes	0.759	0.849		11.86	20
o-Xylene	0.749	0.826		10.28	20
Styrene	1.258	1.413		12.32	20
Bromoform	0.295	0.337	0.1	14.24	20
Isopropylbenzene	4.182	4.250		1.63	20
1,1,2,2-Tetrachloroethane	1.183	1.223	0.3	3.38	20
1,3-Dichlorobenzene	1.748	1.850		5.84	20
1,4-Dichlorobenzene	1.762	1.843		4.6	20
1,2-Dichlorobenzene	1.692	1.838		8.63	20
1,2-Dibromo-3-Chloropropane	0.287	0.263		-8.36	20
1,2,4-Trichlorobenzene	0.948	0.965		1.79	20
1,2,3-Trichlorobenzene	0.938	0.972		3.63	20
1,2-Dichloroethane-d4	0.712	0.879		23.45	20
Dibromofluoromethane	0.312	0.382		22.44	20
Toluene-d8	1.164	1.347		15.72	20
4-Bromofluorobenzene	0.454	0.542		19.38	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\VN082624\
Data File : VN083472.D
Acq On : 26 Aug 2024 09:56
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Quant Time: Aug 27 01:49:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 08 06:30:41 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/27/2024
Supervised By :Mahesh Dadoda 08/27/2024

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	145377	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	248724	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	219575	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	113050	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.577	65	127726	61.725	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 123.440%	
35) Dibromofluoromethane	8.165	113	95030	61.212	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 122.420%	
50) Toluene-d8	10.565	98	335082	57.861	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 115.720%#	
62) 4-Bromofluorobenzene	12.847	95	134780	59.698	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 119.400%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.124	85	78488	47.609	ug/l	99
3) Chloromethane	2.360	50	88847	52.640	ug/l	98
4) Vinyl Chloride	2.513	62	92991	53.994	ug/l	97
5) Bromomethane	2.901	94	48327	45.223	ug/l	93
6) Chloroethane	3.071	64	63803	59.215	ug/l	98
7) Trichlorofluoromethane	3.471	101	162685	57.181	ug/l	100
8) Diethyl Ether	3.954	74	59919	56.597	ug/l	85
9) 1,1,2-Trichlorotrifluo...	4.354	101	89190	56.860	ug/l	99
10) Methyl Iodide	4.571	142	116707	56.561	ug/l	97
11) Tert butyl alcohol	5.536	59	104364	242.688	ug/l	98
12) 1,1-Dichloroethene	4.330	96	84750	52.590	ug/l	92
13) Acrolein	4.171	56	82277	293.561	ug/l	99
14) Allyl chloride	5.018	41	160033	52.549	ug/l	88
15) Acrylonitrile	5.718	53	236144	267.002	ug/l	99
16) Acetone	4.424	43	243096	300.229	ug/l	97
17) Carbon Disulfide	4.695	76	227707	48.290	ug/l	100
18) Methyl Acetate	5.018	43	124454	51.588	ug/l	91
19) Methyl tert-butyl Ether	5.795	73	324045	55.709	ug/l	99
20) Methylene Chloride	5.265	84	99254	53.262	ug/l	90
21) trans-1,2-Dichloroethene	5.783	96	89702	53.856	ug/l	92
22) Diisopropyl ether	6.671	45	332583	58.098	ug/l	96
23) Vinyl Acetate	6.601	43	1714944	292.278	ug/l	96
24) 1,1-Dichloroethane	6.565	63	182263	58.413	ug/l	99
25) 2-Butanone	7.483	43	330199	265.589	ug/l	93
26) 2,2-Dichloropropane	7.483	77	167693	57.871	ug/l	100
27) cis-1,2-Dichloroethene	7.483	96	111694	55.572	ug/l	95
28) Bromochloromethane	7.812	49	69706	54.665	ug/l	87
29) Tetrahydrofuran	7.836	42	206576	257.033	ug/l	89
30) Chloroform	7.959	83	190707	58.830	ug/l	97
31) Cyclohexane	8.253	56	155550	50.725	ug/l	96
32) 1,1,1-Trichloroethane	8.165	97	176706	57.589	ug/l	97
36) 1,1-Dichloropropene	8.365	75	131154	55.846	ug/l	99
37) Ethyl Acetate	7.559	43	135088	51.374	ug/l	95
38) Carbon Tetrachloride	8.359	117	153215	57.923	ug/l	98
39) Methylcyclohexane	9.600	83	156413	54.225	ug/l	96
40) Benzene	8.600	78	402856	57.582	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082624\
Data File : VN083472.D
Acq On : 26 Aug 2024 09:56
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/27/2024

Supervised By :Mahesh Dadoda 08/27/2024

Quant Time: Aug 27 01:49:40 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M

Quant Title : SW846 8260

QLast Update : Thu Aug 08 06:30:41 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	76076	50.884	ug/l	96
42) 1,2-Dichloroethane	8.671	62	151946	59.620	ug/l	98
43) Isopropyl Acetate	8.689	43	238892	52.560	ug/l #	93
44) Trichloroethene	9.353	130	93410	56.094	ug/l	94
45) 1,2-Dichloropropane	9.618	63	99502	59.916	ug/l	99
46) Dibromomethane	9.706	93	71321	60.000	ug/l	98
47) Bromodichloromethane	9.889	83	156216	58.530	ug/l	99
48) Methyl methacrylate	9.677	41	112206	51.615	ug/l	94
49) 1,4-Dioxane	9.694	88	38491	981.413	ug/l #	80
51) 4-Methyl-2-Pentanone	10.447	43	660020	265.435	ug/l	93
52) Toluene	10.630	92	255234	57.739	ug/l	98
53) t-1,3-Dichloropropene	10.836	75	160361	58.491	ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	167787	57.538	ug/l	91
55) 1,1,2-Trichloroethane	11.018	97	93585	59.076	ug/l	98
56) Ethyl methacrylate	10.877	69	162844	54.528	ug/l	88
57) 1,3-Dichloropropane	11.165	76	165058	58.456	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	294430	233.237	ug/l	96
59) 2-Hexanone	11.194	43	500002	259.917	ug/l	93
60) Dibromochloromethane	11.359	129	114694	59.883	ug/l	99
61) 1,2-Dibromoethane	11.471	107	96335	57.888	ug/l	98
64) Tetrachloroethene	11.106	164	79714	54.817	ug/l	97
65) Chlorobenzene	11.888	112	269562	55.553	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	96248	56.241	ug/l	99
67) Ethyl Benzene	11.965	91	496004	55.722	ug/l	100
68) m/p-Xylenes	12.071	106	372878	111.827	ug/l	98
69) o-Xylene	12.394	106	181398	55.159	ug/l	99
70) Styrene	12.412	104	310302	56.179	ug/l	98
71) Bromoform	12.577	173	74050	57.118	ug/l #	100
73) Isopropylbenzene	12.694	105	480474	50.813	ug/l	99
74) N-amyl acetate	12.494	43	211412	45.709	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.941	83	138315	51.718	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	120548m	48.585	ug/l	
77) Bromobenzene	12.982	156	109760	52.254	ug/l	98
78) n-propylbenzene	13.035	91	546936	50.232	ug/l	99
79) 2-Chlorotoluene	13.124	91	344218	49.865	ug/l	97
80) 1,3,5-Trimethylbenzene	13.171	105	405557	51.230	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	51348	45.017	ug/l	96
82) 4-Chlorotoluene	13.224	91	352628	50.927	ug/l	98
83) tert-Butylbenzene	13.441	119	353735	50.456	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	417054	52.275	ug/l	100
85) sec-Butylbenzene	13.618	105	481013	50.283	ug/l	100
86) p-Isopropyltoluene	13.729	119	410416	51.961	ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	209156	52.918	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	208376	52.295	ug/l	98
89) n-Butylbenzene	14.053	91	356960	52.156	ug/l	99
90) Hexachloroethane	14.335	117	79182	51.889	ug/l	94
91) 1,2-Dichlorobenzene	14.106	146	207788	54.327	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.718	75	29765	45.865	ug/l	99
93) 1,2,4-Trichlorobenzene	15.388	180	109080	50.907	ug/l	98
94) Hexachlorobutadiene	15.500	225	45256	47.491	ug/l	98
95) Naphthalene	15.641	128	363089	47.837	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	109862	51.817	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082624\
Data File : VN083472.D
Acq On : 26 Aug 2024 09:56
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/27/2024
Supervised By :Mahesh Dadoda 08/27/2024

Quant Time: Aug 27 01:49:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 08 06:30:41 2024
Response via : Initial Calibration

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

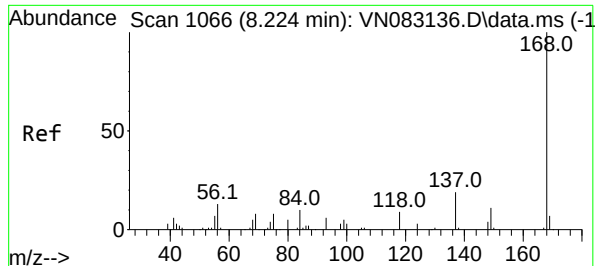
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations

Reviewed By :John Carlone 08/27/2024
Supervised By :Mahesh Dadoda 08/27/2024





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1066
Delta R.T. -0.006 min
Lab File: VN083472.D
Acq: 26 Aug 2024 09:56

Instrument :

MSVOA_N

ClientSampleId :

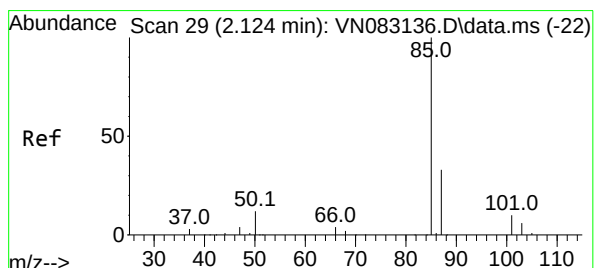
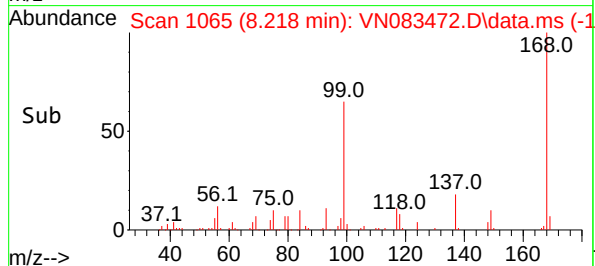
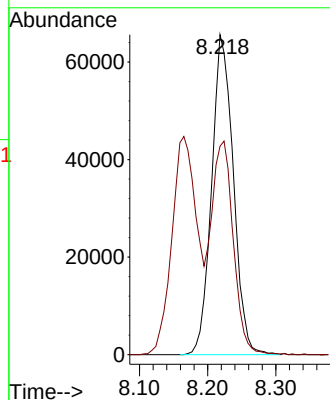
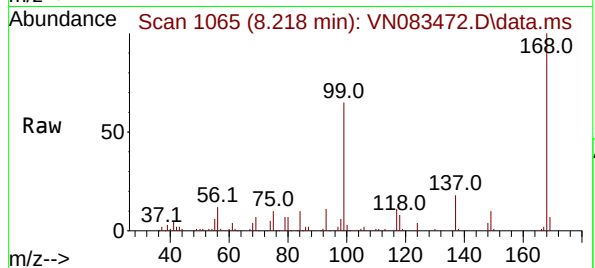
VSTDCCC050

Tgt Ion:168 Resp: 14537
Ion Ratio Lower Upper
168 100
99 64.9 48.2 72.4

Manual Integrations

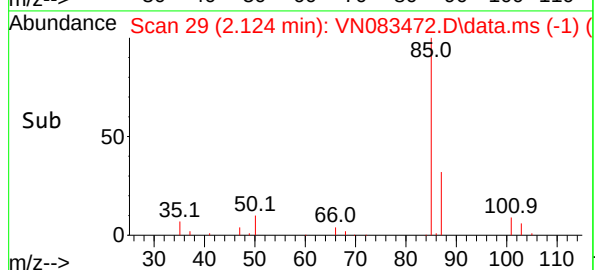
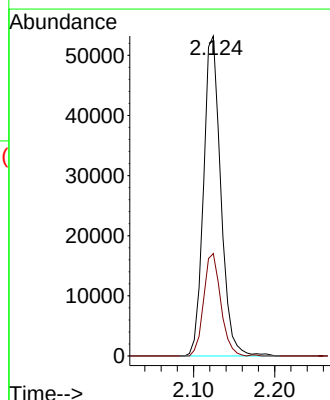
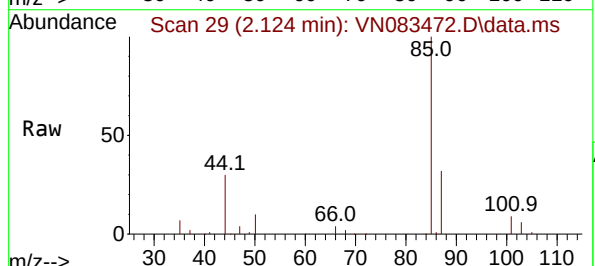
APPROVED

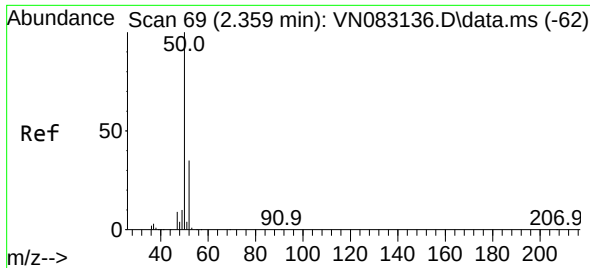
Reviewed By :John Carlone 08/27/2024
Supervised By :Mahesh Dadoda 08/27/2024



#2
Dichlorodifluoromethane
Concen: 47.609 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN083472.D
Acq: 26 Aug 2024 09:56

Tgt Ion: 85 Resp: 78488
Ion Ratio Lower Upper
85 100
87 32.0 15.7 47.0





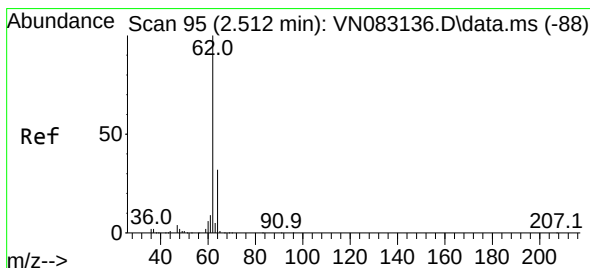
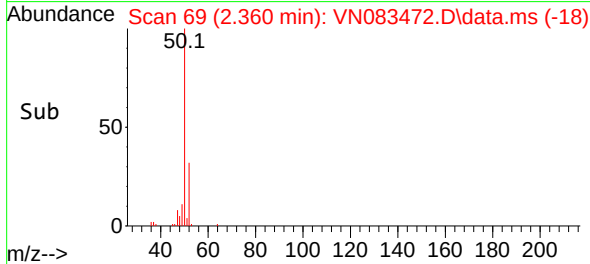
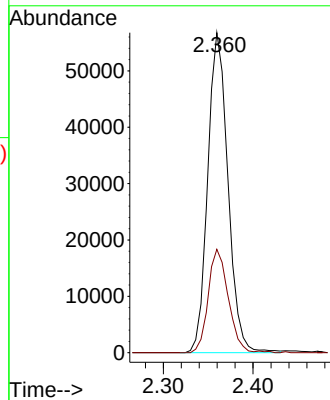
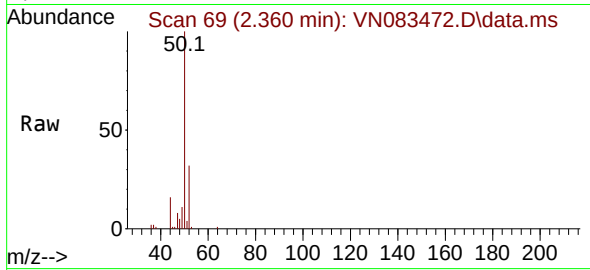
#3
Chloromethane
Concen: 52.640 ug/l
RT: 2.360 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN083472.D
Acq: 26 Aug 2024 09:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 50 Resp: 8884
Ion Ratio Lower Upper
50 100
52 32.3 25.0 37.4

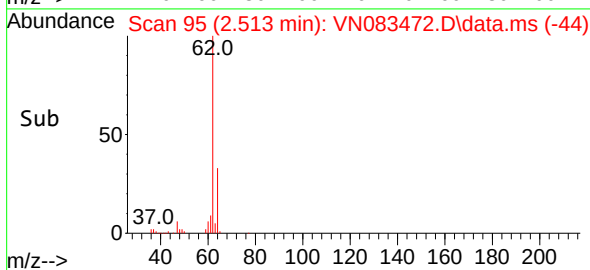
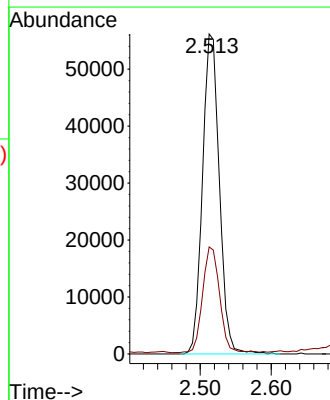
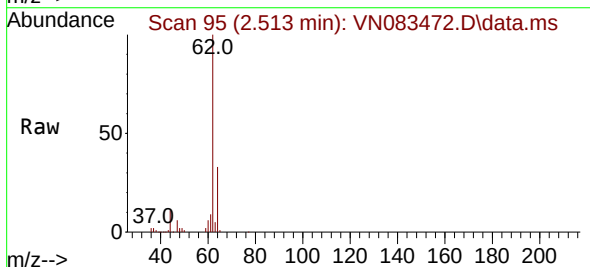
Manual Integrations
APPROVED

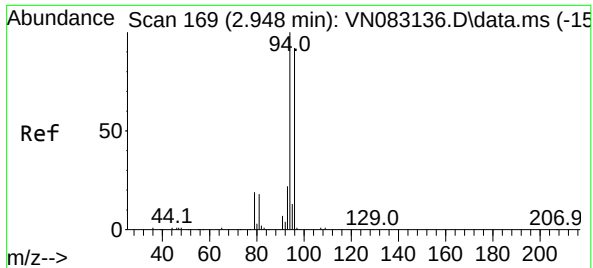
Reviewed By :John Carlone 08/27/2024
Supervised By :Mahesh Dadoda 08/27/2024



#4
Vinyl Chloride
Concen: 53.994 ug/l
RT: 2.513 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN083472.D
Acq: 26 Aug 2024 09:56

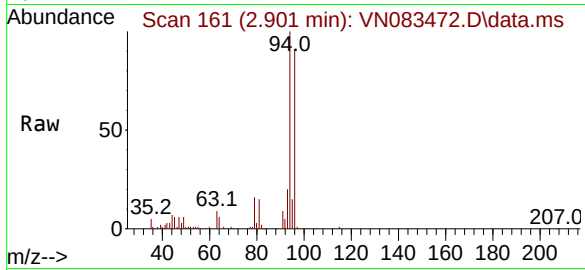
Tgt Ion: 62 Resp: 92991
Ion Ratio Lower Upper
62 100
64 33.0 25.0 37.6





#5
Bromomethane
Concen: 45.223 ug/l
RT: 2.901 min Scan# 10
Delta R.T. -0.047 min
Lab File: VN083472.D
Acq: 26 Aug 2024 09:56

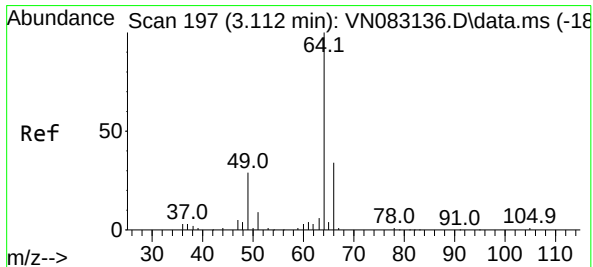
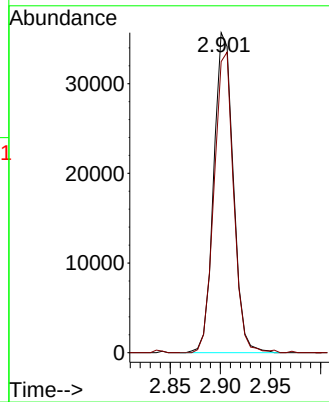
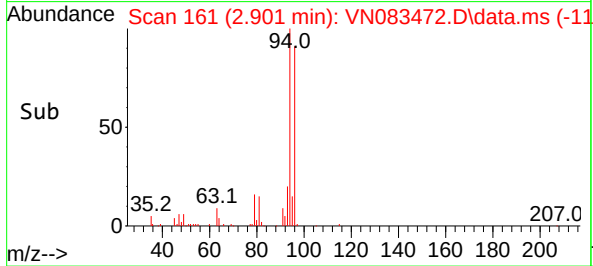
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 94 Resp: 4832
Ion Ratio Lower Upper
94 100
96 90.9 78.0 117.0

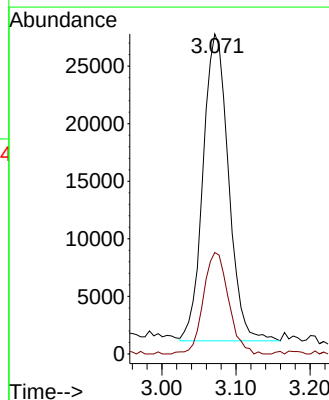
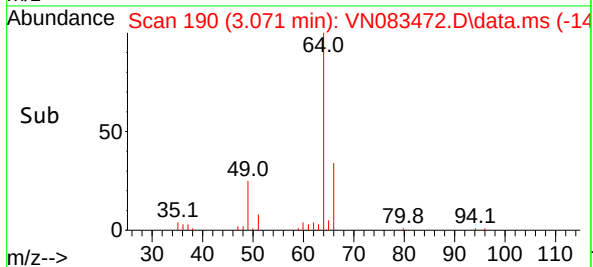
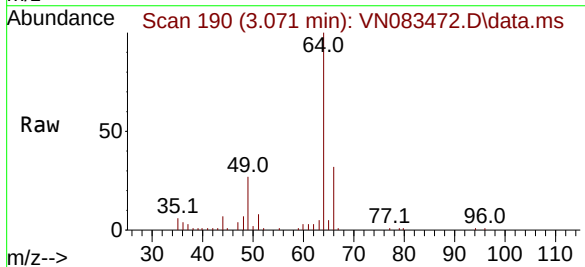
Manual Integrations
APPROVED

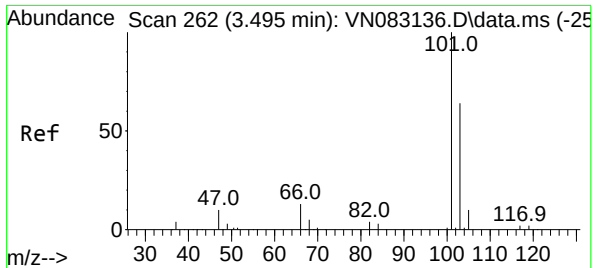
Reviewed By :John Carlone 08/27/2024
Supervised By :Mahesh Dadoda 08/27/2024



#6
Chloroethane
Concen: 59.215 ug/l
RT: 3.071 min Scan# 190
Delta R.T. -0.041 min
Lab File: VN083472.D
Acq: 26 Aug 2024 09:56

Tgt Ion: 64 Resp: 63803
Ion Ratio Lower Upper
64 100
66 32.4 26.6 40.0





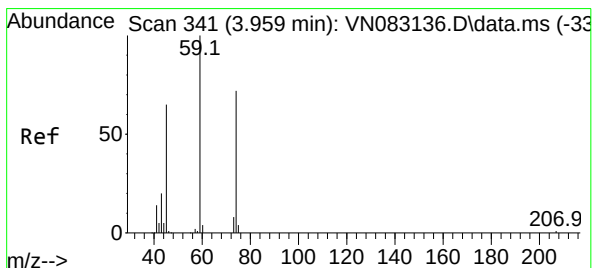
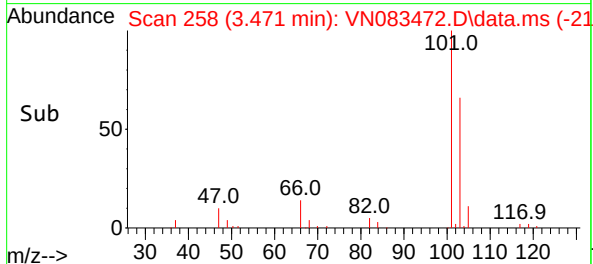
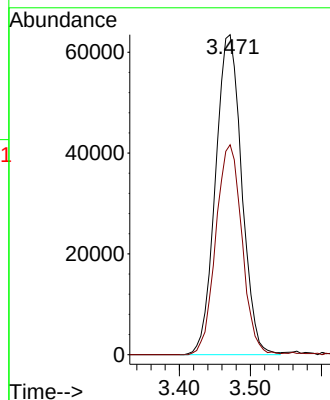
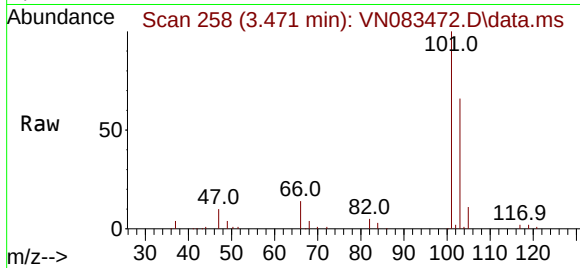
#7
Trichlorofluoromethane
Concen: 57.181 ug/l
RT: 3.471 min Scan# 21
Delta R.T. -0.024 min
Lab File: VN083472.D
Acq: 26 Aug 2024 09:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 16268
Ion Ratio Lower Upper
101 100
103 65.6 52.7 79.1

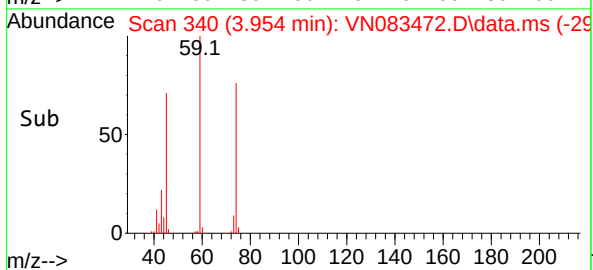
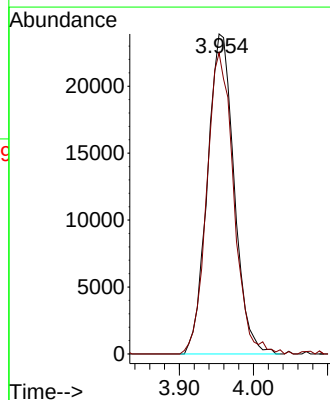
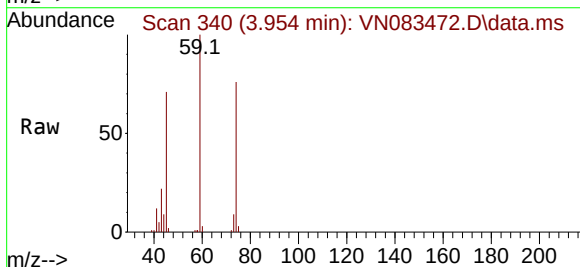
Manual Integrations
APPROVED

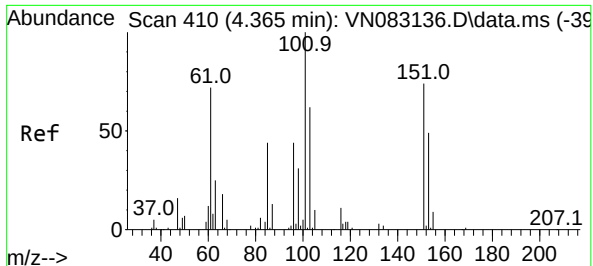
Reviewed By :John Carlone 08/27/2024
Supervised By :Mahesh Dadoda 08/27/2024



#8
Diethyl Ether
Concen: 56.597 ug/l
RT: 3.954 min Scan# 340
Delta R.T. -0.006 min
Lab File: VN083472.D
Acq: 26 Aug 2024 09:56

Tgt Ion: 74 Resp: 59919
Ion Ratio Lower Upper
74 100
45 94.9 55.5 166.3





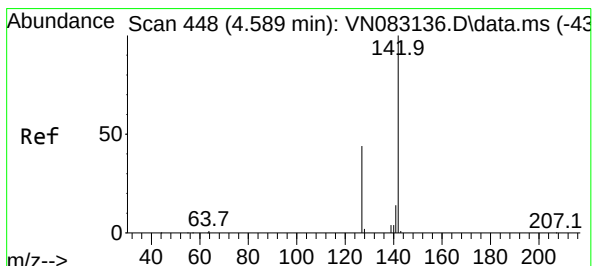
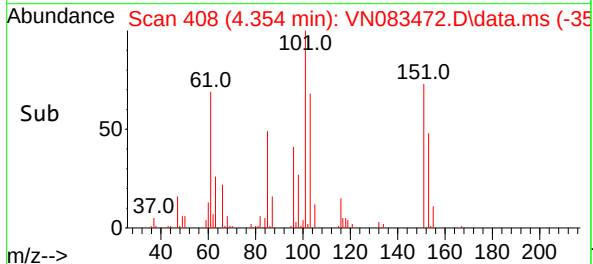
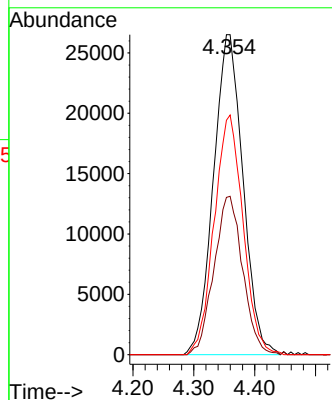
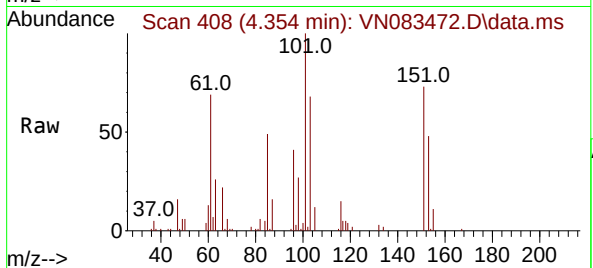
#9
1,1,2-Trichlorotrifluoroethane
Concen: 56.860 ug/l
RT: 4.354 min Scan# 408
Delta R.T. -0.012 min
Lab File: VN083472.D
Acq: 26 Aug 2024 09:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 89190
Ion Ratio Lower Upper
101 100
85 48.2 38.3 57.5
151 73.3 59.3 88.9

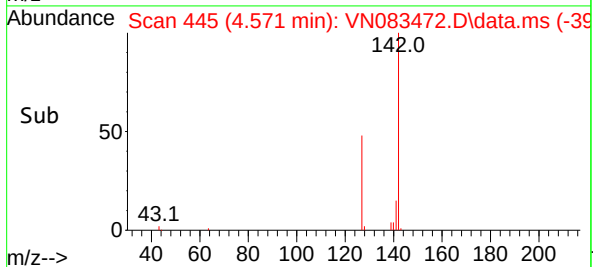
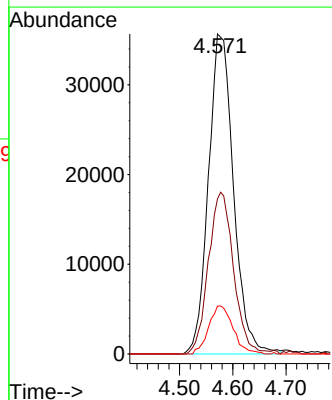
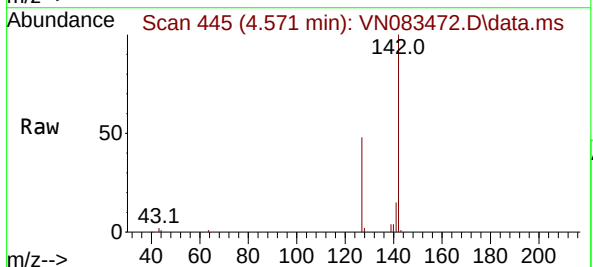
Manual Integrations
APPROVED

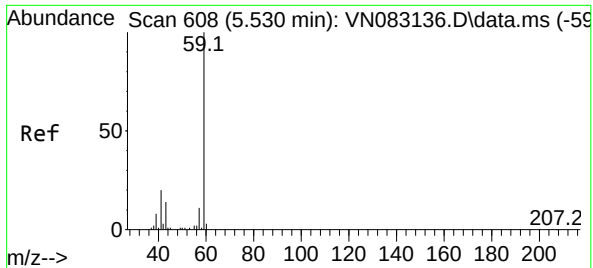
Reviewed By :John Carlone 08/27/2024
Supervised By :Mahesh Dadoda 08/27/2024



#10
Methyl Iodide
Concen: 56.561 ug/l
RT: 4.571 min Scan# 445
Delta R.T. -0.017 min
Lab File: VN083472.D
Acq: 26 Aug 2024 09:56

Tgt Ion:142 Resp: 116707
Ion Ratio Lower Upper
142 100
127 48.5 37.5 56.3
141 14.9 13.1 19.7





#11

Tert butyl alcohol

Concen: 242.688 ug/l

RT: 5.536 min Scan# 608

Delta R.T. 0.006 min

Lab File: VN083472.D

Acq: 26 Aug 2024 09:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDC050

Tgt Ion: 59 Resp: 104364

Ion Ratio Lower Upper

59 100

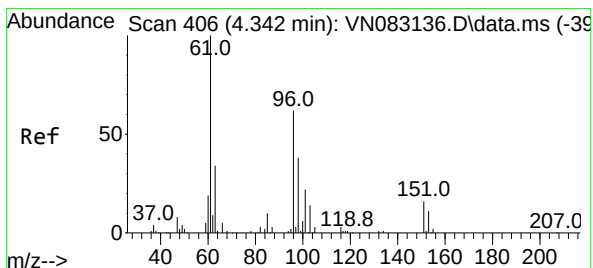
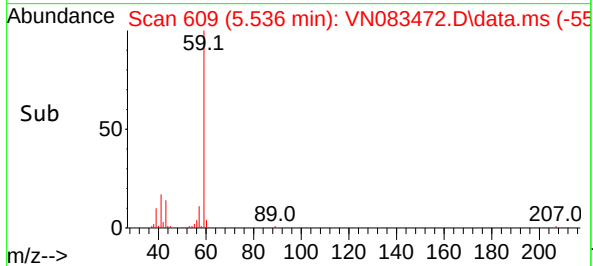
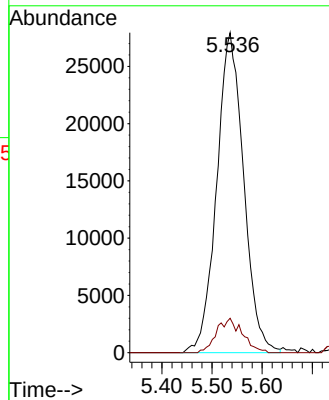
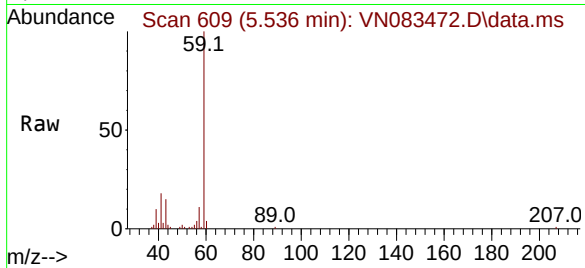
57 10.3 8.9 13.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/27/2024

Supervised By :Mahesh Dadoda 08/27/2024



#12

1,1-Dichloroethene

Concen: 52.590 ug/l

RT: 4.330 min Scan# 404

Delta R.T. -0.011 min

Lab File: VN083472.D

Acq: 26 Aug 2024 09:56

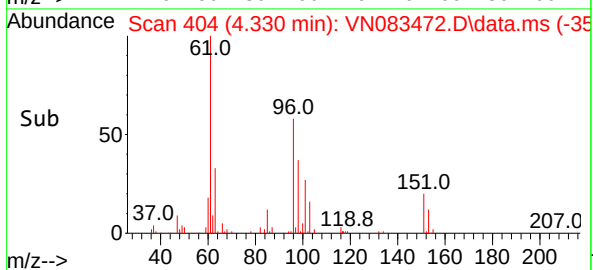
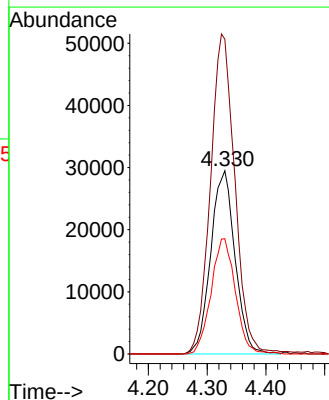
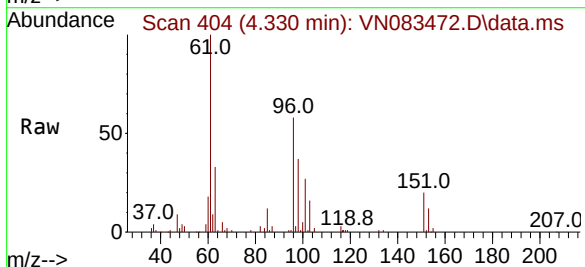
Tgt Ion: 96 Resp: 84750

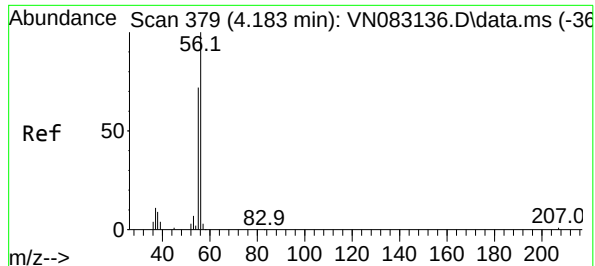
Ion Ratio Lower Upper

96 100

61 171.8 149.7 224.5

98 62.9 50.1 75.1





#13

Acrolein

Concen: 293.561 ug/l

RT: 4.171 min Scan# 31

Delta R.T. -0.011 min

Lab File: VN083472.D

Acq: 26 Aug 2024 09:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 8227

Ion Ratio Lower Upper

56 100

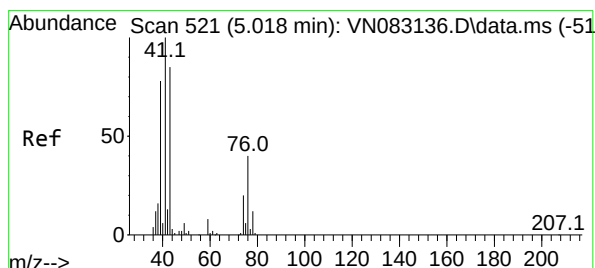
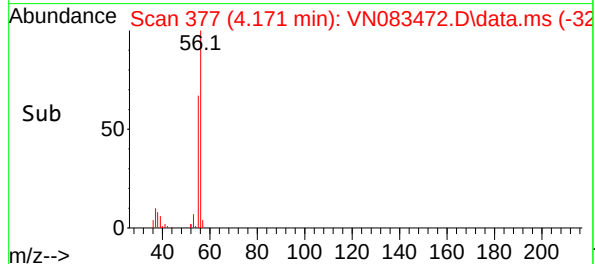
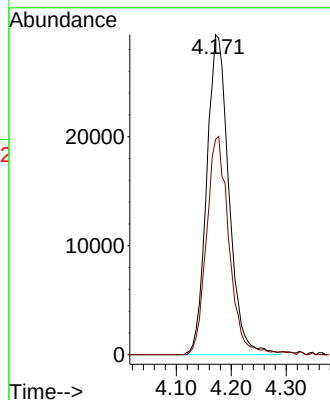
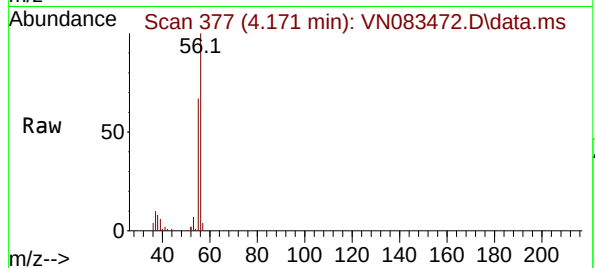
55 69.6 56.4 84.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/27/2024

Supervised By :Mahesh Dadoda 08/27/2024



#14

Allyl chloride

Concen: 52.549 ug/l

RT: 5.018 min Scan# 521

Delta R.T. 0.000 min

Lab File: VN083472.D

Acq: 26 Aug 2024 09:56

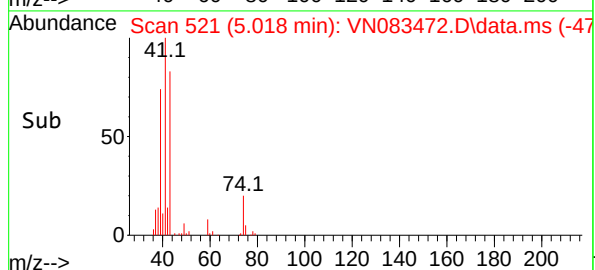
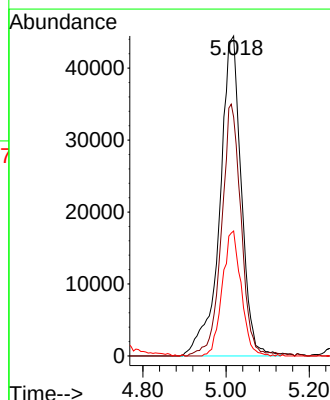
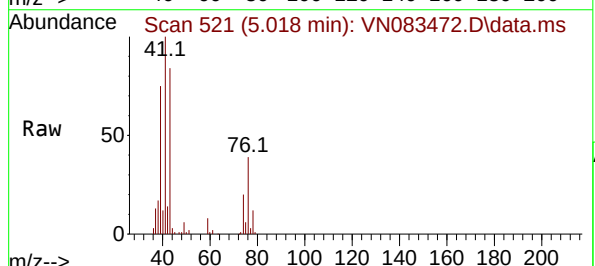
Tgt Ion: 41 Resp: 160033

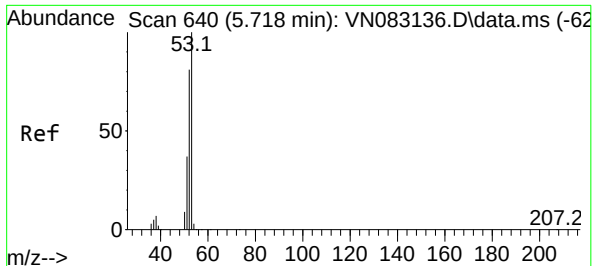
Ion Ratio Lower Upper

41 100

39 71.1 67.8 101.6

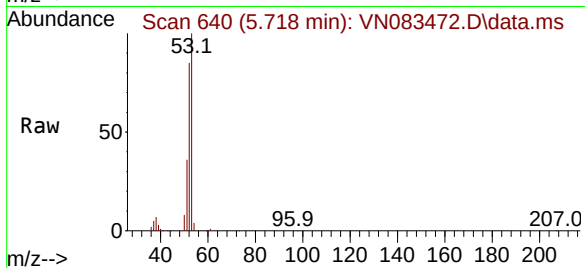
76 34.2 25.8 38.8





#15
Acrylonitrile
Concen: 267.002 ug/l
RT: 5.718 min Scan# 640
Delta R.T. 0.000 min
Lab File: VN083472.D
Acq: 26 Aug 2024 09:56

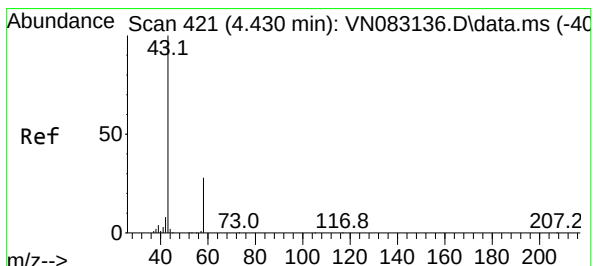
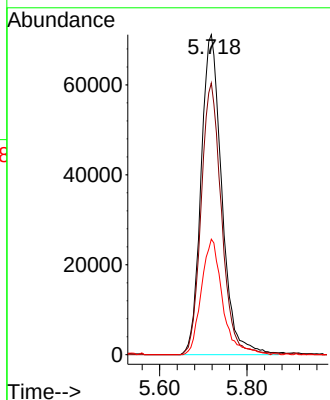
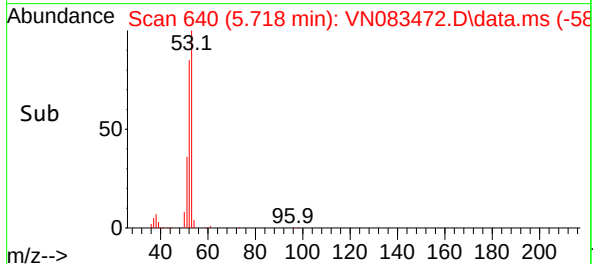
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



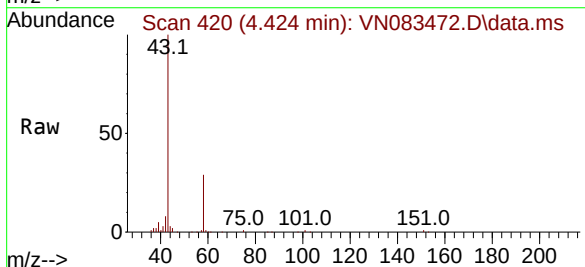
Tgt Ion: 53 Resp: 236144
Ion Ratio Lower Upper
53 100
52 83.1 66.6 100.0
51 36.8 30.1 45.1

Manual Integrations
APPROVED

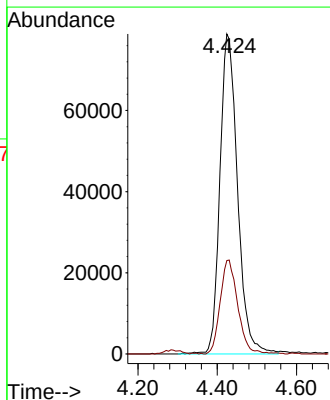
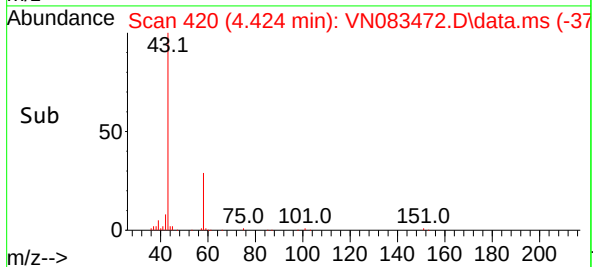
Reviewed By :John Carlone 08/27/2024
Supervised By :Mahesh Dadoda 08/27/2024

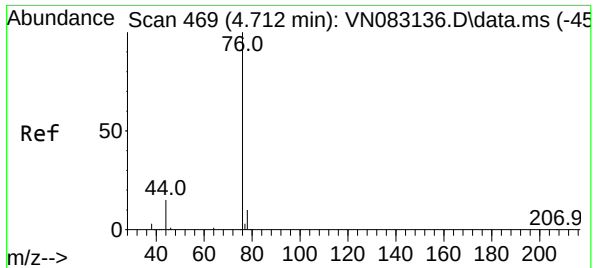


#16
Acetone
Concen: 300.229 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.006 min
Lab File: VN083472.D
Acq: 26 Aug 2024 09:56



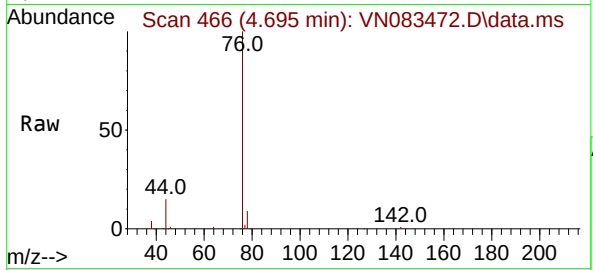
Tgt Ion: 43 Resp: 243096
Ion Ratio Lower Upper
43 100
58 28.9 21.8 32.6





#17
Carbon Disulfide
Concen: 48.290 ug/l
RT: 4.695 min Scan# 466
Delta R.T. -0.017 min
Lab File: VN083472.D
Acq: 26 Aug 2024 09:56

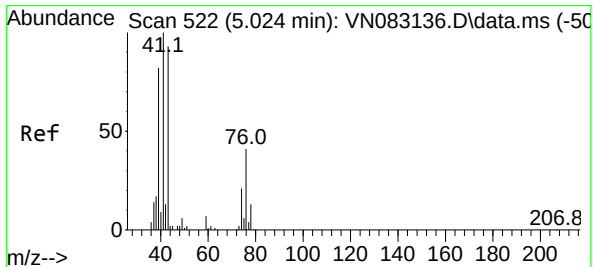
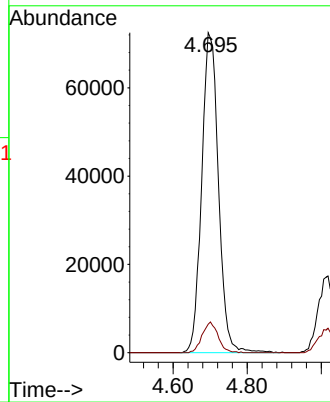
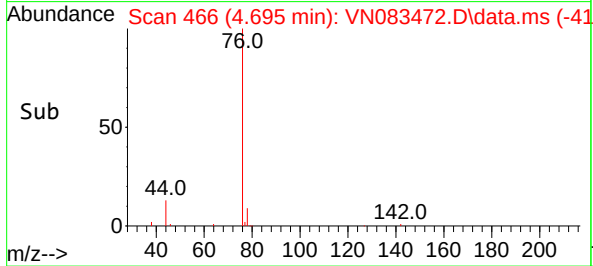
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 76 Resp: 22770
Ion Ratio Lower Upper
76 100
78 8.9 7.2 10.8

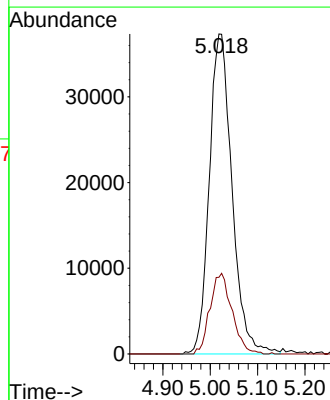
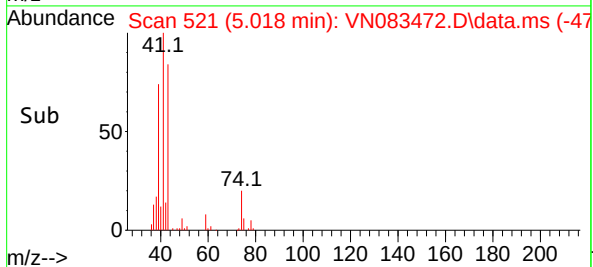
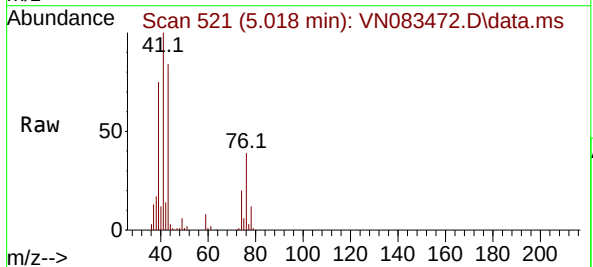
Manual Integrations
APPROVED

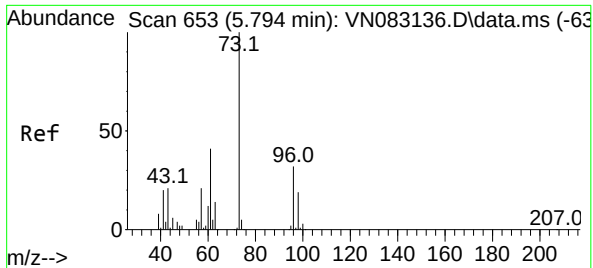
Reviewed By :John Carlone 08/27/2024
Supervised By :Mahesh Dadoda 08/27/2024



#18
Methyl Acetate
Concen: 51.588 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.006 min
Lab File: VN083472.D
Acq: 26 Aug 2024 09:56

Tgt Ion: 43 Resp: 124454
Ion Ratio Lower Upper
43 100
74 24.4 16.3 24.5





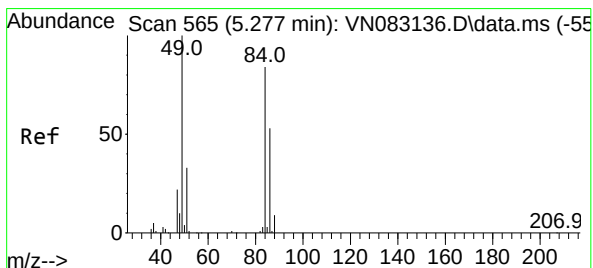
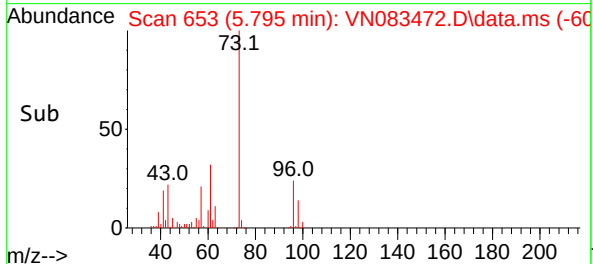
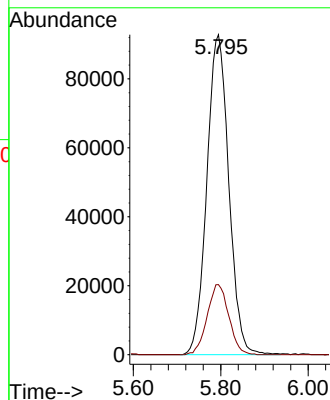
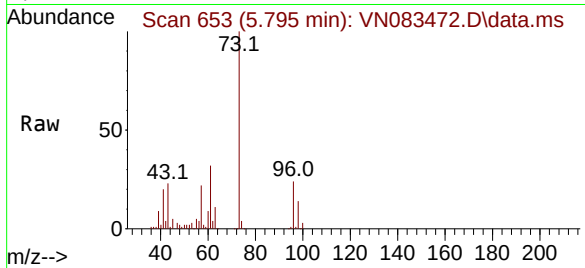
#19
Methyl tert-butyl Ether
Concen: 55.709 ug/l
RT: 5.795 min Scan# 61
Delta R.T. 0.000 min
Lab File: VN083472.D
Acq: 26 Aug 2024 09:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 32404
Ion Ratio Lower Upper
73 100
57 21.9 17.9 26.9

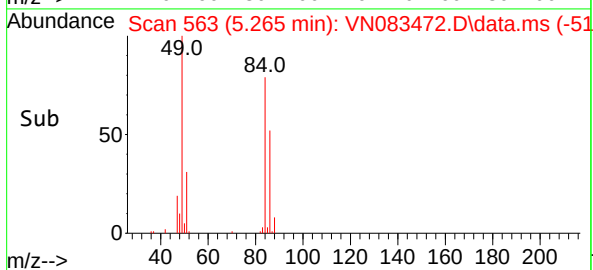
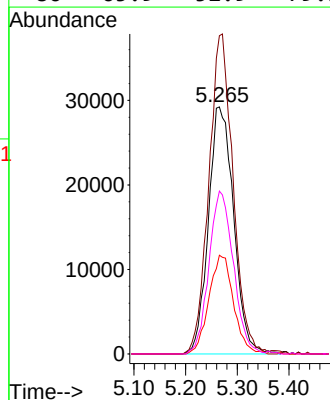
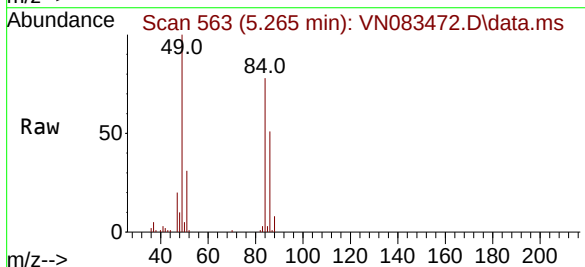
Manual Integrations
APPROVED

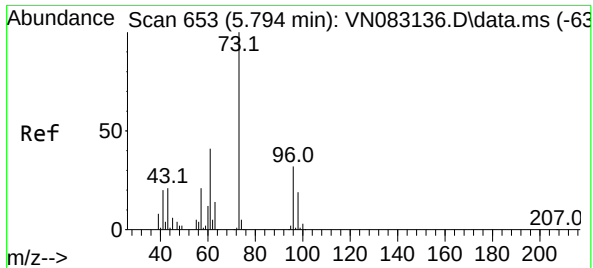
Reviewed By :John Carlone 08/27/2024
Supervised By :Mahesh Dadoda 08/27/2024



#20
Methylene Chloride
Concen: 53.262 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.011 min
Lab File: VN083472.D
Acq: 26 Aug 2024 09:56

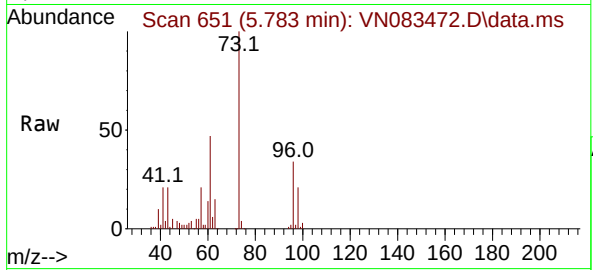
Tgt Ion: 84 Resp: 99254
Ion Ratio Lower Upper
84 100
49 128.8 119.6 179.4
51 39.9 34.8 52.2
86 65.9 52.9 79.3





#21
trans-1,2-Dichloroethene
Concen: 53.856 ug/l
RT: 5.783 min Scan# 61
Delta R.T. -0.011 min
Lab File: VN083472.D
Acq: 26 Aug 2024 09:56

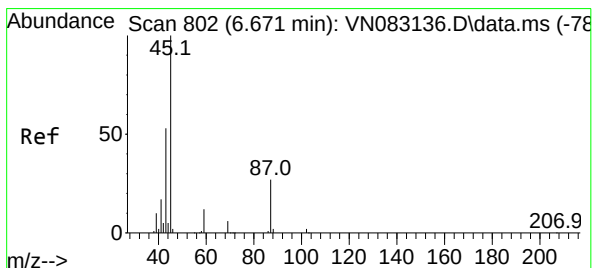
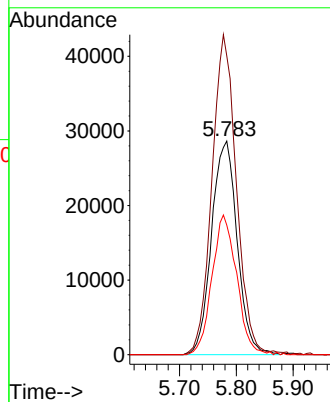
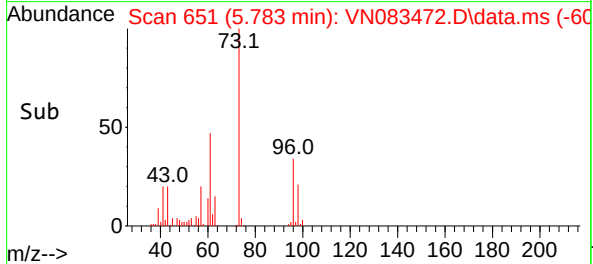
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 96 Resp: 8970
Ion Ratio Lower Upper
96 100
61 140.0 123.4 185.2
98 60.7 49.3 73.9

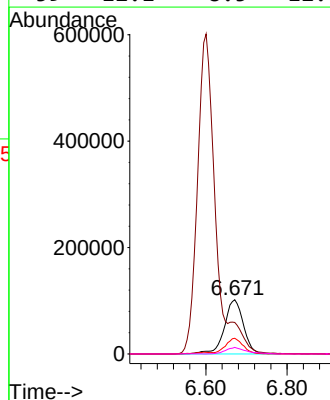
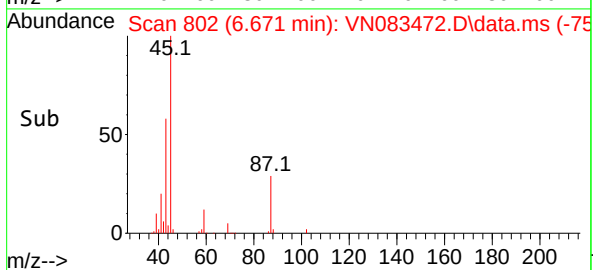
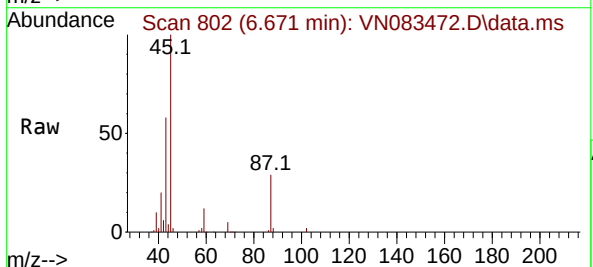
Manual Integrations
APPROVED

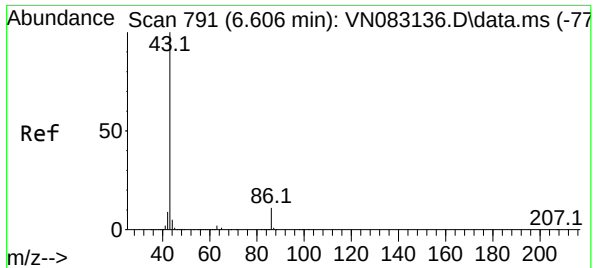
Reviewed By :John Carlone 08/27/2024
Supervised By :Mahesh Dadoda 08/27/2024



#22
Diisopropyl ether
Concen: 58.098 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.000 min
Lab File: VN083472.D
Acq: 26 Aug 2024 09:56

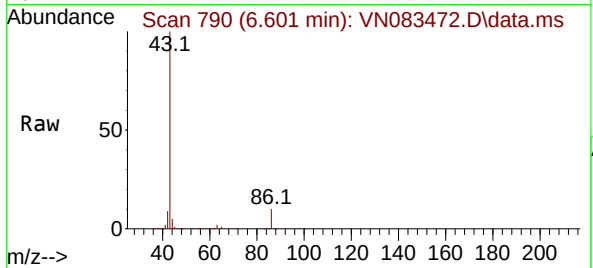
Tgt Ion: 45 Resp: 332583
Ion Ratio Lower Upper
45 100
43 56.9 44.0 66.0
87 28.9 19.7 29.5
59 12.1 8.5 12.7





#23
Vinyl Acetate
Concen: 292.278 ug/l
RT: 6.601 min Scan# 791
Delta R.T. -0.006 min
Lab File: VN083472.D
Acq: 26 Aug 2024 09:56

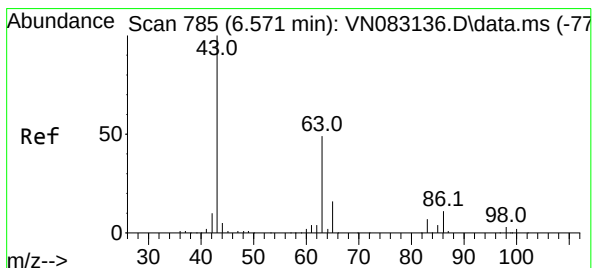
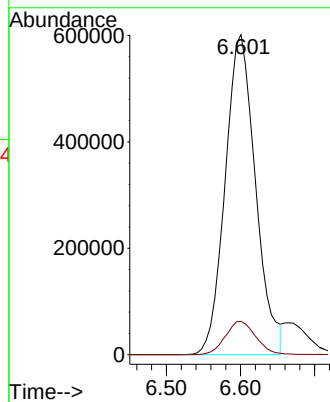
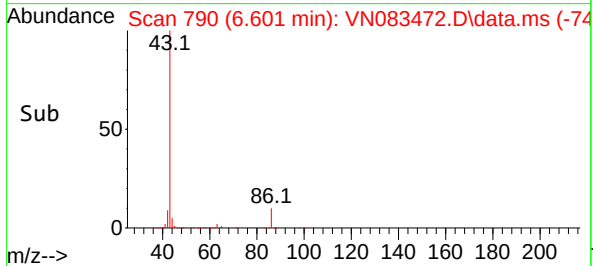
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 43 Resp: 171494
Ion Ratio Lower Upper
43 100
86 10.4 7.3 10.9

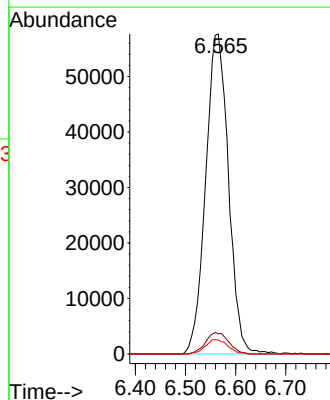
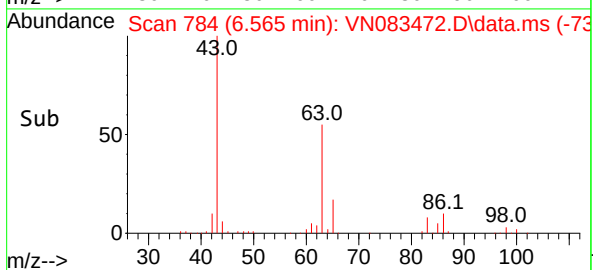
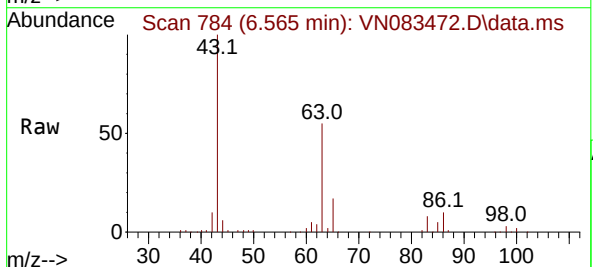
Manual Integrations
APPROVED

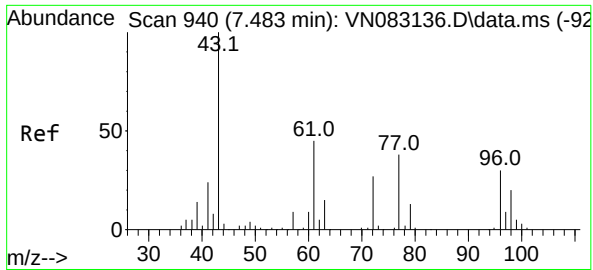
Reviewed By :John Carlone 08/27/2024
Supervised By :Mahesh Dadoda 08/27/2024



#24
1,1-Dichloroethane
Concen: 58.413 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.006 min
Lab File: VN083472.D
Acq: 26 Aug 2024 09:56

Tgt Ion: 63 Resp: 182263
Ion Ratio Lower Upper
63 100
98 6.4 3.3 9.9
100 4.4 2.0 6.0





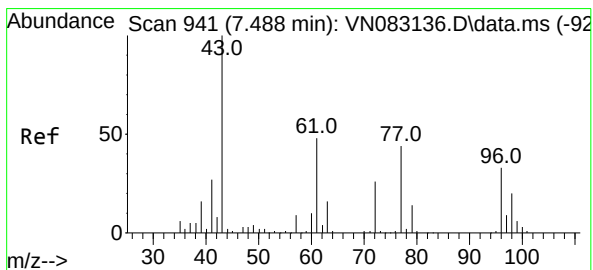
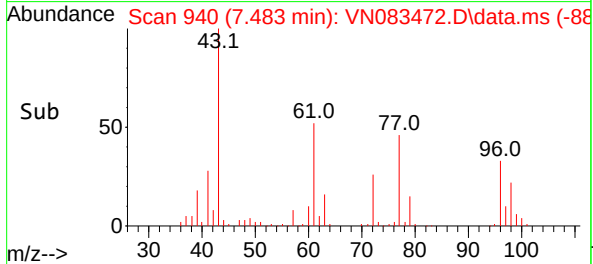
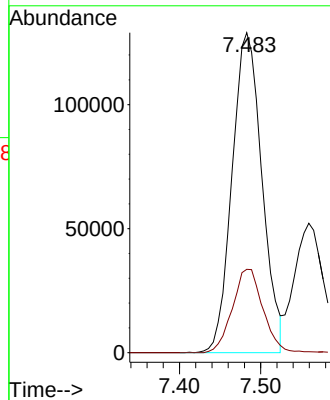
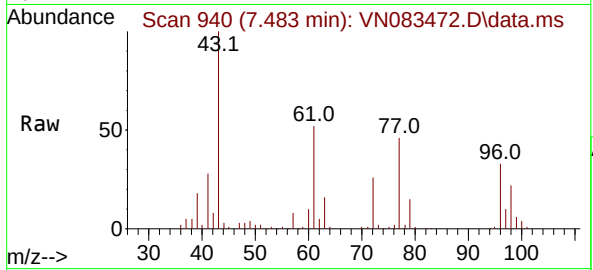
#25
2-Butanone
Concen: 265.589 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN083472.D
Acq: 26 Aug 2024 09:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 330199
Ion Ratio Lower Upper
43 100
72 26.1 18.2 27.2

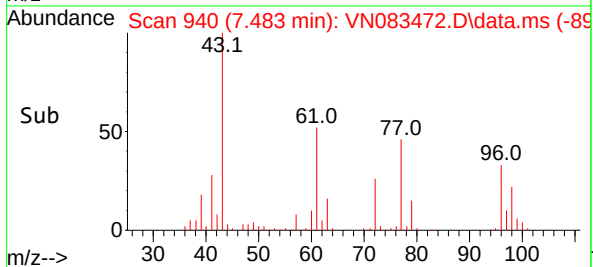
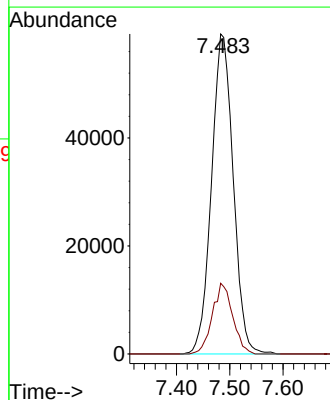
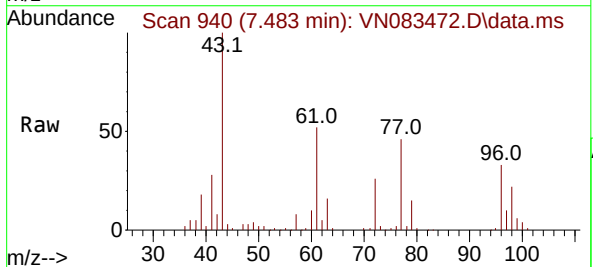
Manual Integrations
APPROVED

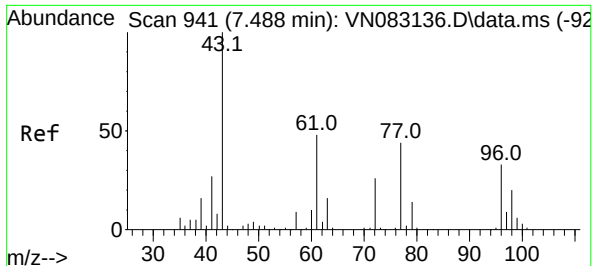
Reviewed By :John Carlone 08/27/2024
Supervised By :Mahesh Dadoda 08/27/2024



#26
2,2-Dichloropropane
Concen: 57.871 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.006 min
Lab File: VN083472.D
Acq: 26 Aug 2024 09:56

Tgt Ion: 77 Resp: 167693
Ion Ratio Lower Upper
77 100
97 20.7 10.3 30.9





#27

cis-1,2-Dichloroethene

Concen: 55.572 ug/l

RT: 7.483 min Scan# 941

Delta R.T. -0.006 min

Lab File: VN083472.D

Acq: 26 Aug 2024 09:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 96 Resp: 111694

Ion Ratio Lower Upper

96 100

61 155.4 0.0 329.6

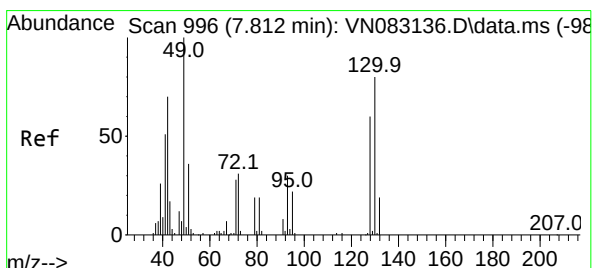
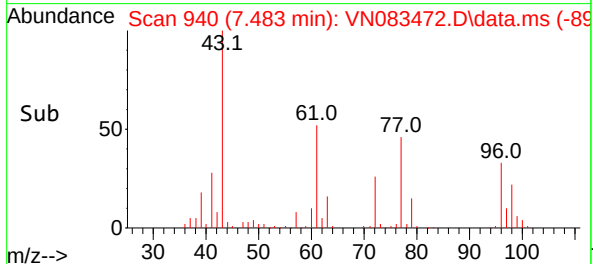
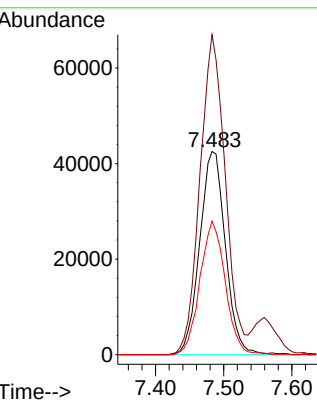
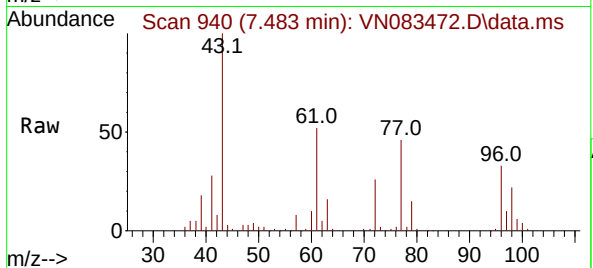
98 64.7 0.0 128.6

Manual Integrations

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Reviewed By :John Carlone 08/27/2024

Supervised By :Mahesh Dadoda 08/27/2024



#28

Bromochloromethane

Concen: 54.665 ug/l

RT: 7.812 min Scan# 996

Delta R.T. 0.000 min

Lab File: VN083472.D

Acq: 26 Aug 2024 09:56

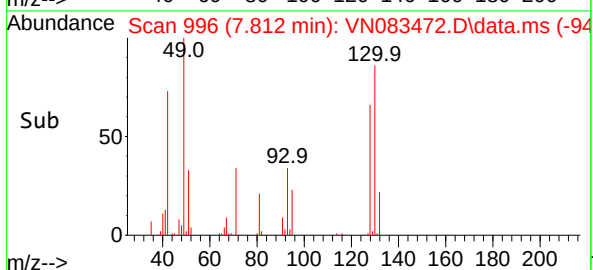
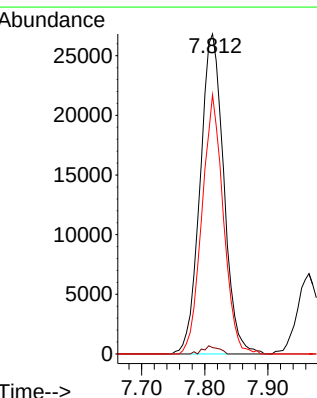
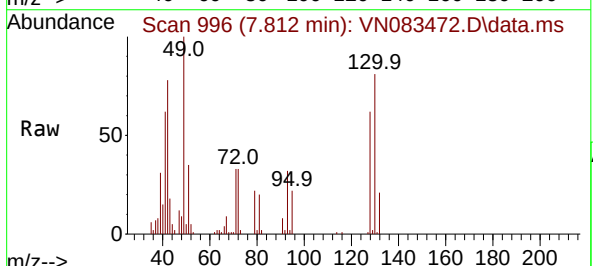
Tgt Ion: 49 Resp: 69706

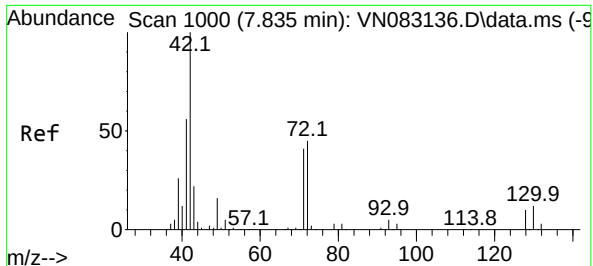
Ion Ratio Lower Upper

49 100

129 1.7 0.0 3.8

130 73.4 50.5 75.7





#29

Tetrahydrofuran

Concen: 257.033 ug/l

RT: 7.836 min Scan# 1000

Delta R.T. 0.000 min

Lab File: VN083472.D

Acq: 26 Aug 2024 09:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 42 Resp: 206570

Ion Ratio Lower Upper

42 100

72 43.9 30.0 45.0

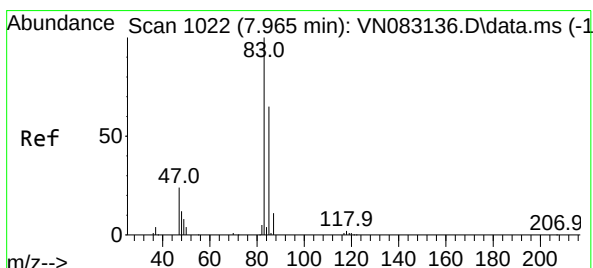
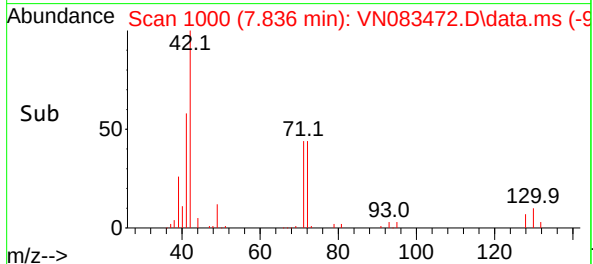
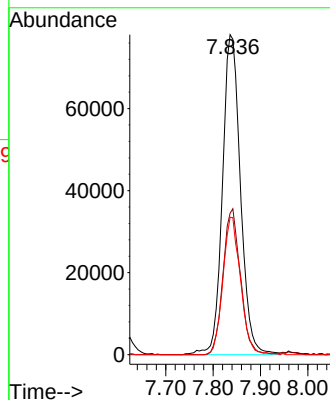
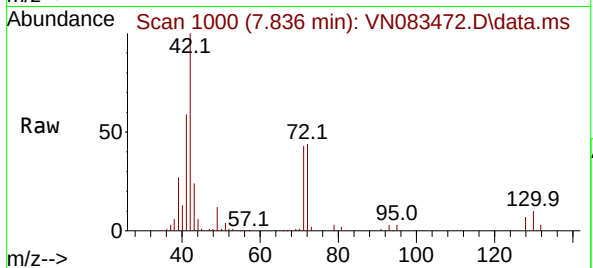
71 41.9 28.3 42.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/27/2024

Supervised By :Mahesh Dadoda 08/27/2024



#30

Chloroform

Concen: 58.830 ug/l

RT: 7.959 min Scan# 1021

Delta R.T. -0.006 min

Lab File: VN083472.D

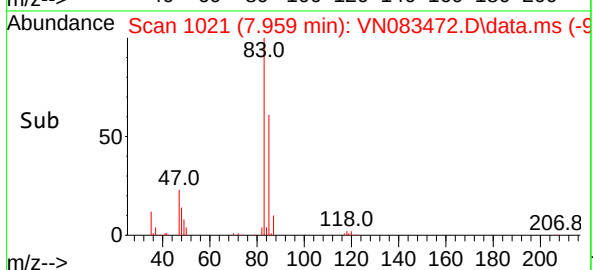
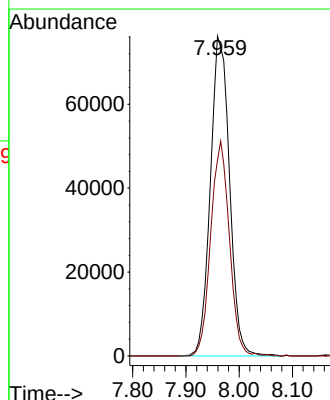
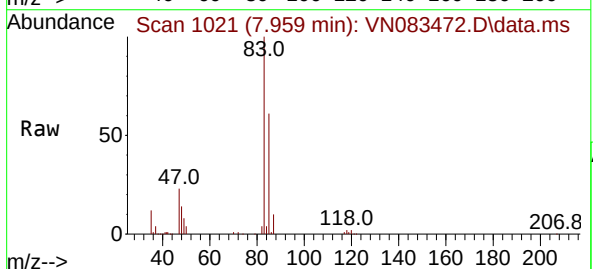
Acq: 26 Aug 2024 09:56

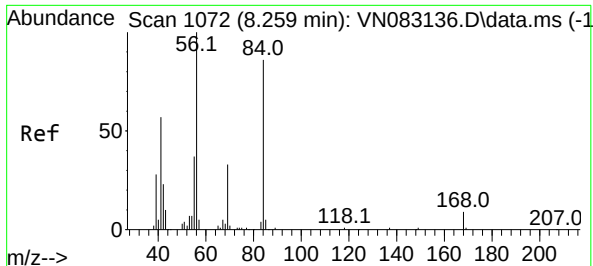
Tgt Ion: 83 Resp: 190707

Ion Ratio Lower Upper

83 100

85 61.1 50.9 76.3





#31

Cyclohexane

Concen: 50.725 ug/l

RT: 8.253 min Scan# 1071

Delta R.T. -0.006 min

Lab File: VN083472.D

Acq: 26 Aug 2024 09:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 155550

Ion Ratio Lower Upper

56 100

69 31.8 24.5 36.7

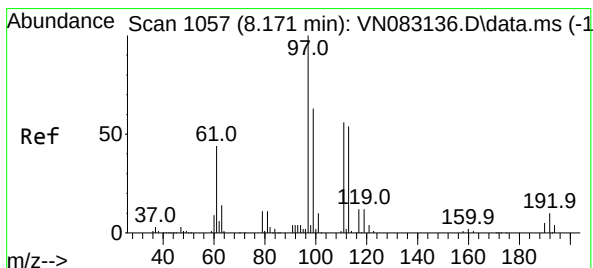
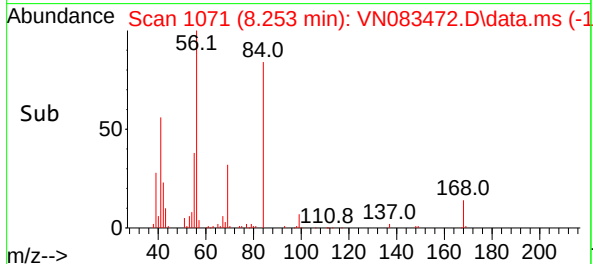
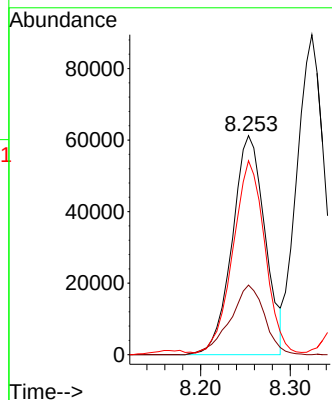
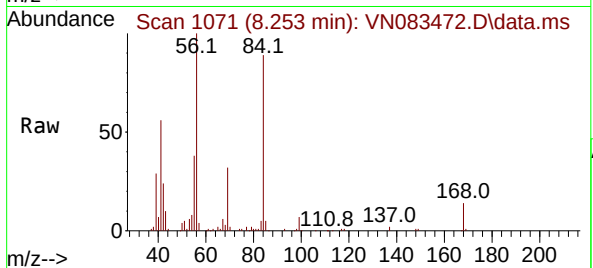
84 86.5 66.0 99.0

Manual Integrations

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Reviewed By :John Carlone 08/27/2024

Supervised By :Mahesh Dadoda 08/27/2024



#32

1,1,1-Trichloroethane

Concen: 57.589 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.006 min

Lab File: VN083472.D

Acq: 26 Aug 2024 09:56

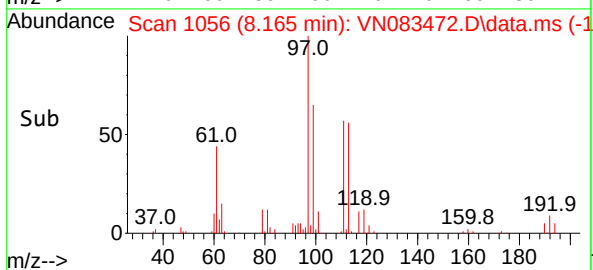
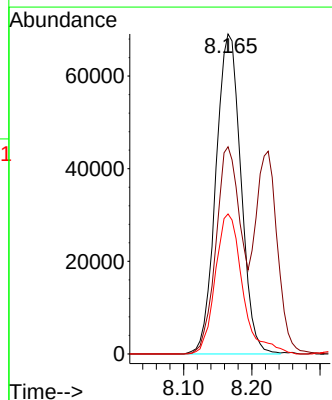
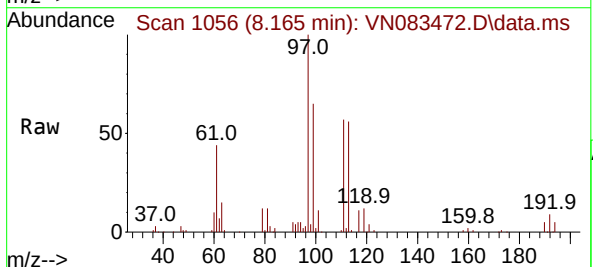
Tgt Ion: 97 Resp: 176706

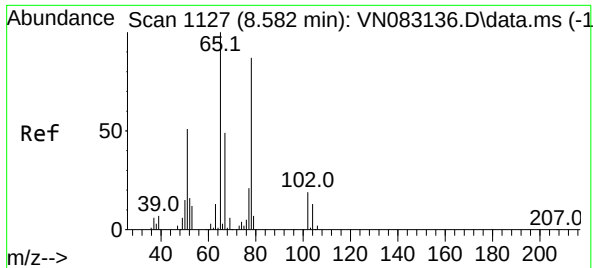
Ion Ratio Lower Upper

97 100

99 64.9 52.0 78.0

61 47.6 42.1 63.1





#33

1,2-Dichloroethane-d4

Concen: 61.725 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.005 min

Lab File: VN083472.D

Acq: 26 Aug 2024 09:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDC050

Tgt Ion: 65 Resp: 127720

Ion Ratio Lower Upper

65 100

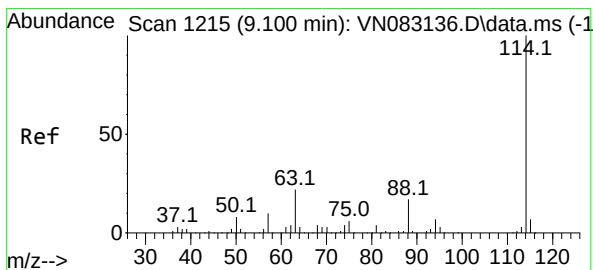
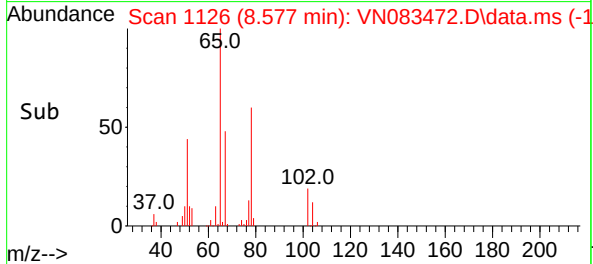
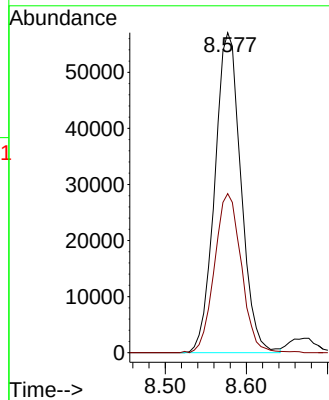
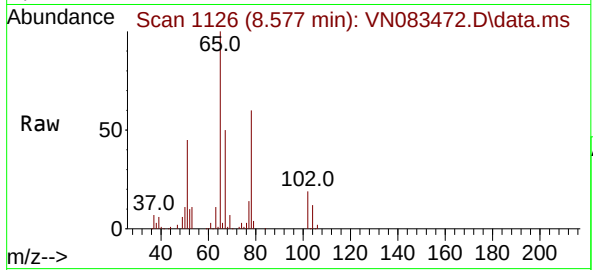
67 51.1 0.0 104.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/27/2024

Supervised By :Mahesh Dadoda 08/27/2024



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN083472.D

Acq: 26 Aug 2024 09:56

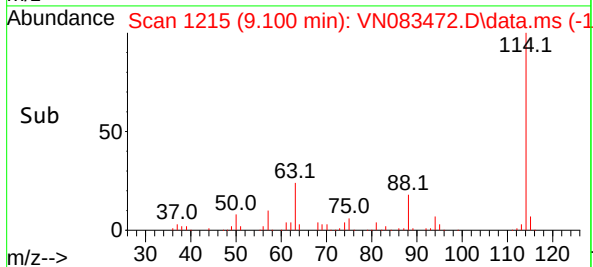
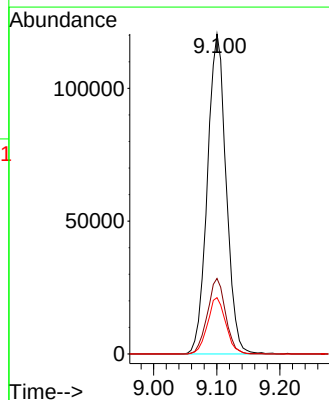
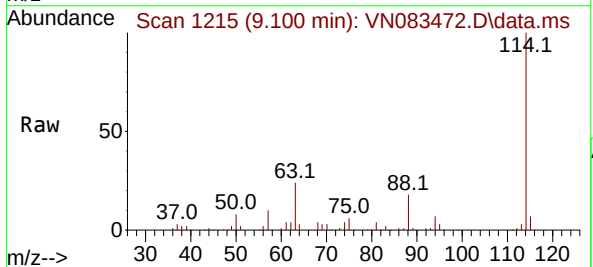
Tgt Ion:114 Resp: 248724

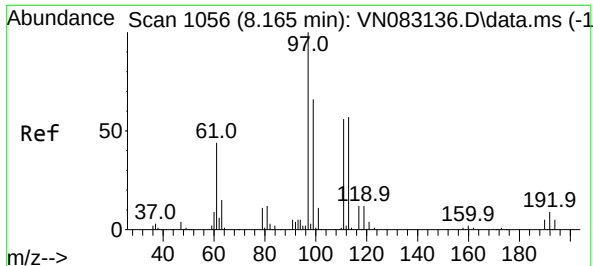
Ion Ratio Lower Upper

114 100

63 23.6 0.0 44.6

88 17.6 0.0 31.4





#35

Dibromofluoromethane

Concen: 61.212 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN083472.D

Acq: 26 Aug 2024 09:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

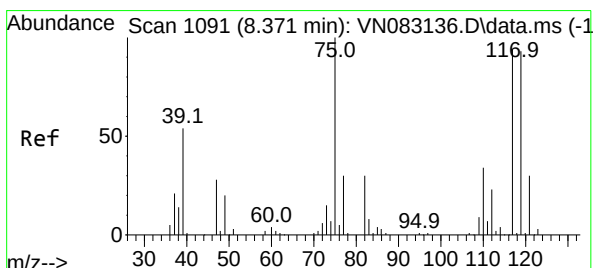
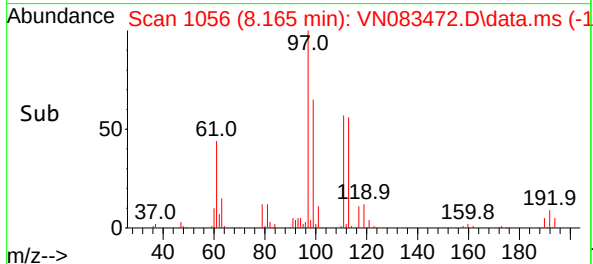
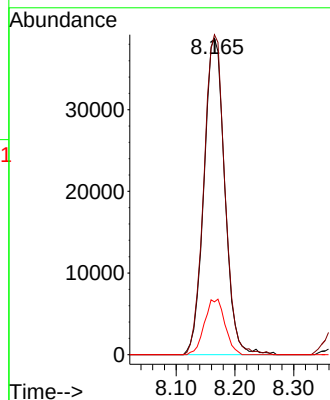
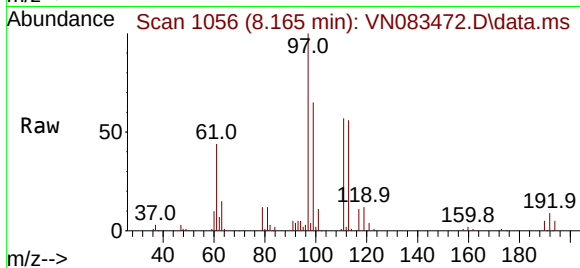
Tgt Ion:	113	Resp:	95030
Ion	Ratio	Lower	Upper
113	100		
111	101.8	82.4	123.6
192	17.3	14.9	22.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/27/2024

Supervised By :Mahesh Dadoda 08/27/2024



#36

1,1-Dichloropropene

Concen: 55.846 ug/l

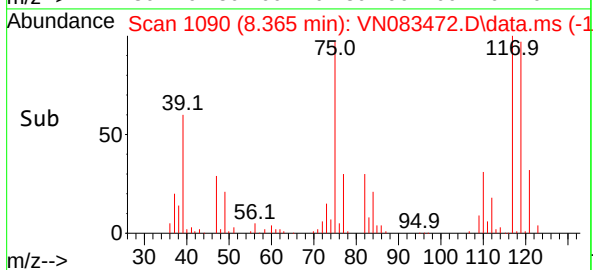
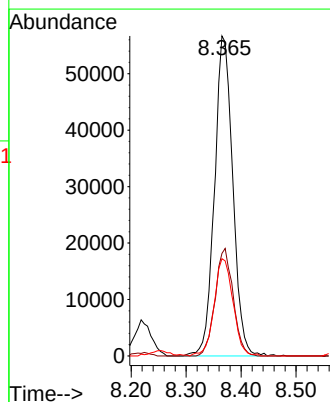
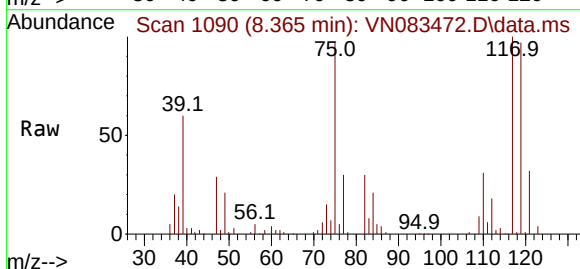
RT: 8.365 min Scan# 1090

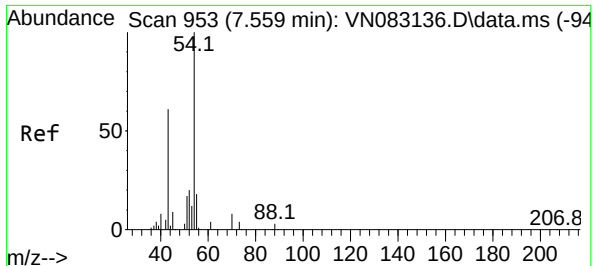
Delta R.T. -0.006 min

Lab File: VN083472.D

Acq: 26 Aug 2024 09:56

Tgt Ion:	75	Resp:	131154
Ion	Ratio	Lower	Upper
75	100		
110	33.1	16.3	48.9
77	31.4	24.6	37.0





#37

Ethyl Acetate

Concen: 51.374 ug/l

RT: 7.559 min Scan# 91

Delta R.T. 0.000 min

Lab File: VN083472.D

Acq: 26 Aug 2024 09:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 13508

Ion Ratio Lower Upper

43

100

61

70

13.7

10.3

9.3

7.0

13.9

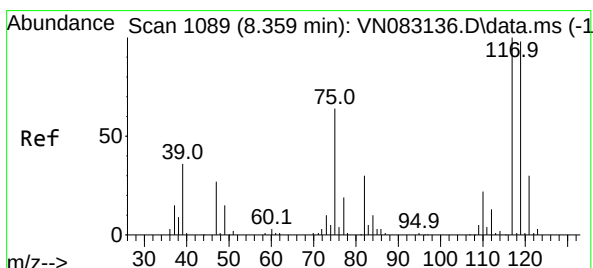
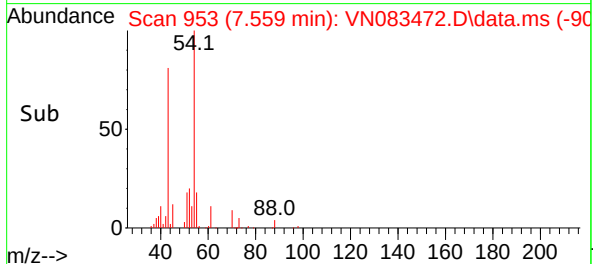
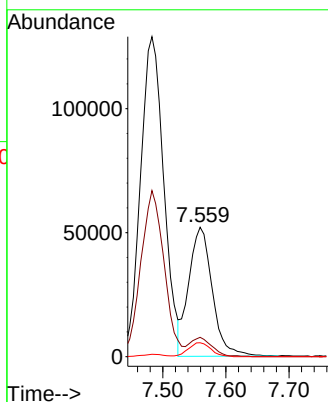
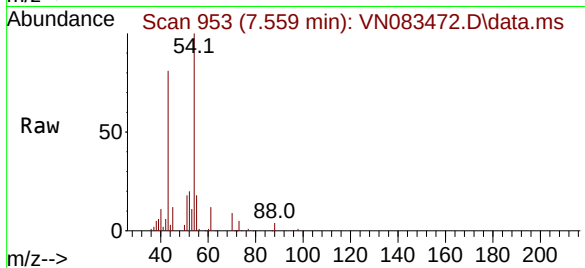
10.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/27/2024

Supervised By :Mahesh Dadoda 08/27/2024



#38

Carbon Tetrachloride

Concen: 57.923 ug/l

RT: 8.359 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VN083472.D

Acq: 26 Aug 2024 09:56

Tgt Ion:117 Resp: 153215

Ion Ratio Lower Upper

117

100

119

121

96.1

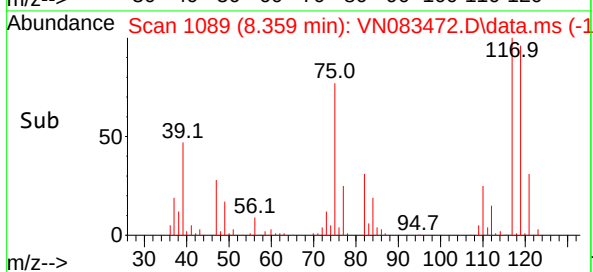
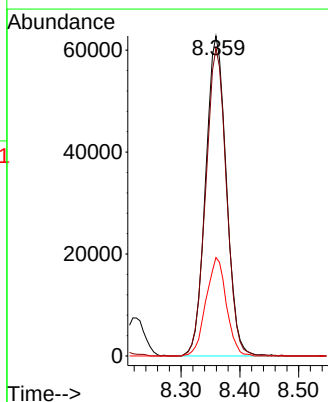
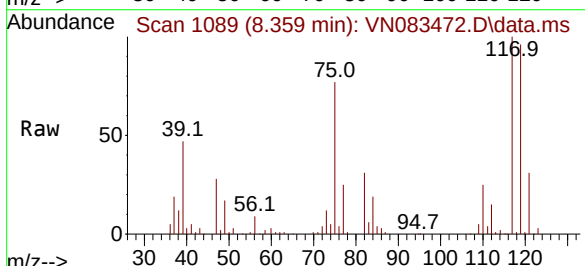
30.7

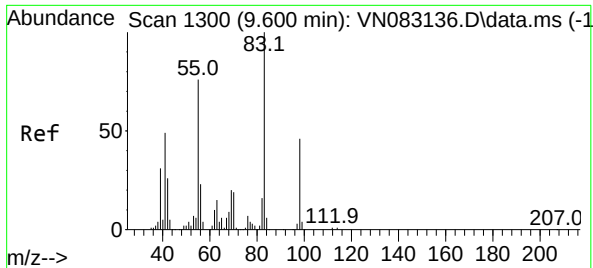
74.9

24.3

112.3

36.5





#39

Methylcyclohexane

Concen: 54.225 ug/l

RT: 9.600 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VN083472.D

Acq: 26 Aug 2024 09:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 15641

Ion Ratio Lower Upper

83 100

55 79.1 66.4 99.6

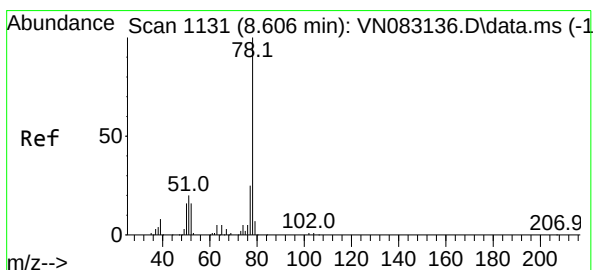
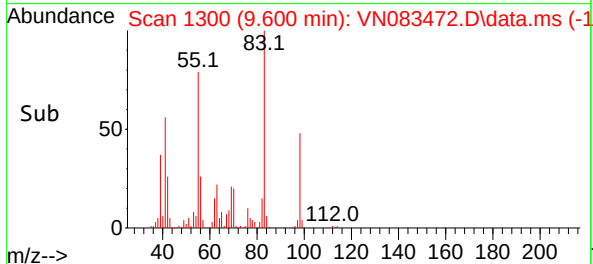
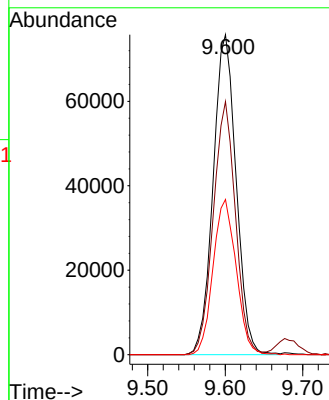
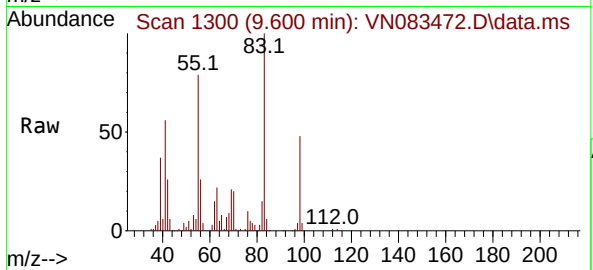
98 48.5 40.7 61.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/27/2024

Supervised By :Mahesh Dadoda 08/27/2024



#40

Benzene

Concen: 57.582 ug/l

RT: 8.600 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VN083472.D

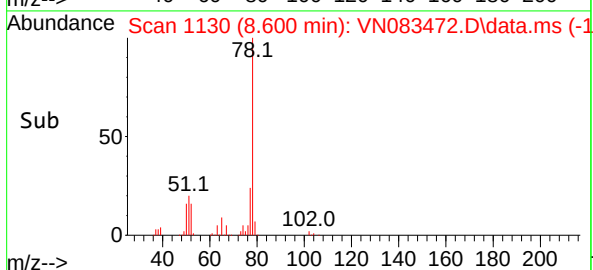
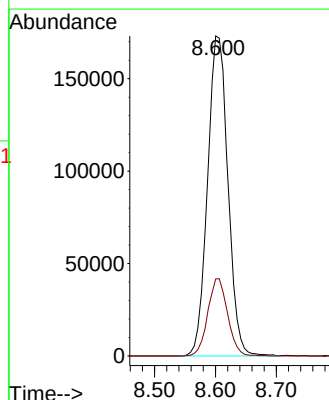
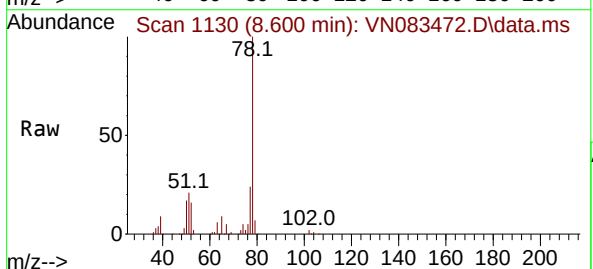
Acq: 26 Aug 2024 09:56

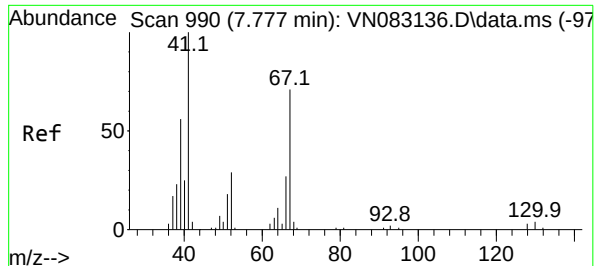
Tgt Ion: 78 Resp: 402856

Ion Ratio Lower Upper

78 100

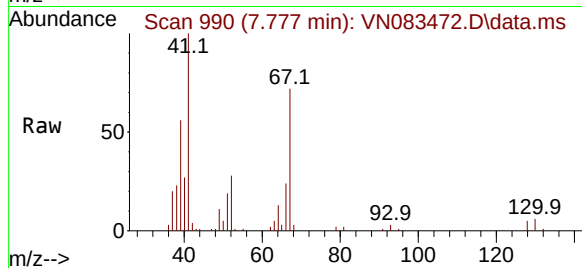
77 24.0 19.0 28.4





#41
Methacrylonitrile
Concen: 50.884 ug/l
RT: 7.777 min Scan# 990
Delta R.T. 0.000 min
Lab File: VN083472.D
Acq: 26 Aug 2024 09:56

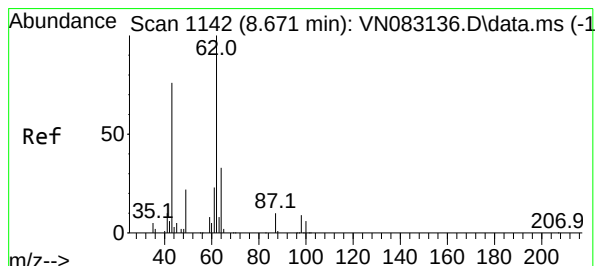
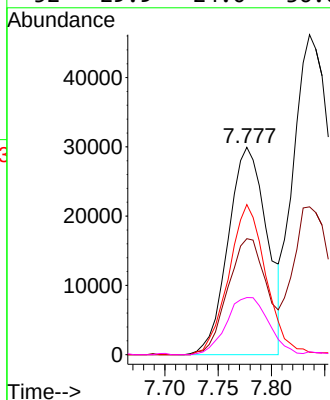
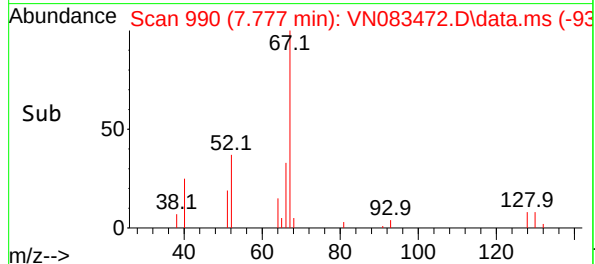
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 41 Resp: 76070
Ion Ratio Lower Upper
41 100
39 56.4 45.5 68.3
67 69.7 50.5 75.7
52 29.9 24.0 36.0

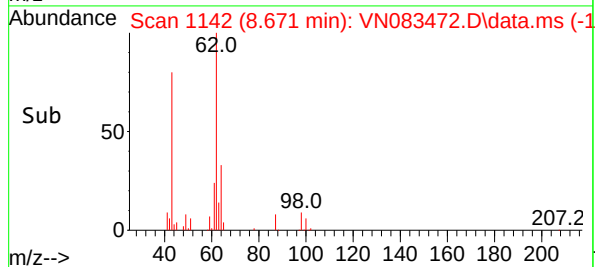
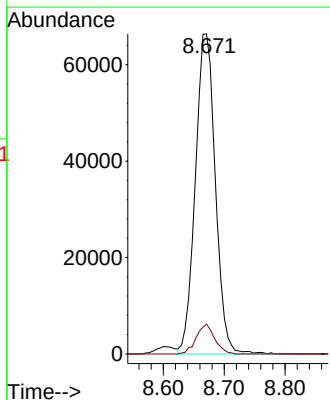
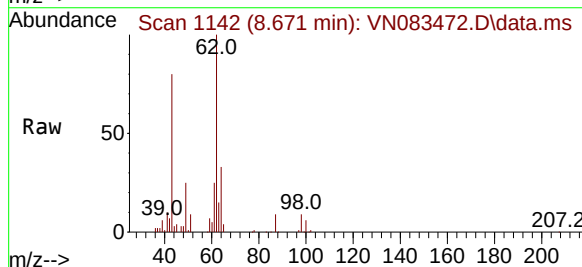
Manual Integrations
APPROVED

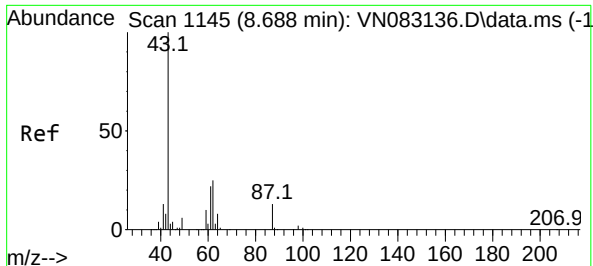
Reviewed By :John Carlone 08/27/2024
Supervised By :Mahesh Dadoda 08/27/2024



#42
1,2-Dichloroethane
Concen: 59.620 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VN083472.D
Acq: 26 Aug 2024 09:56

Tgt Ion: 62 Resp: 151946
Ion Ratio Lower Upper
62 100
98 8.6 0.0 15.8





#43

Isopropyl Acetate

Concen: 52.560 ug/l

RT: 8.689 min Scan# 1145

Delta R.T. 0.001 min

Lab File: VN083472.D

Acq: 26 Aug 2024 09:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

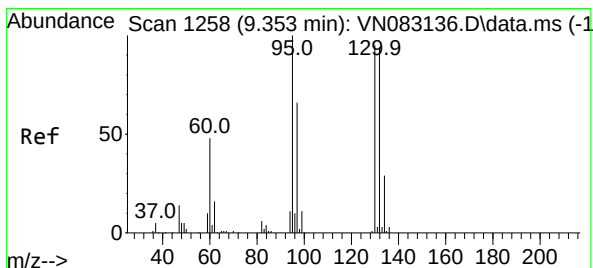
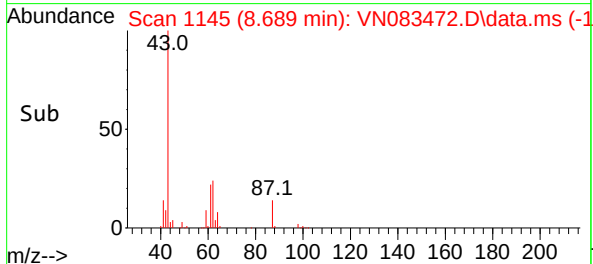
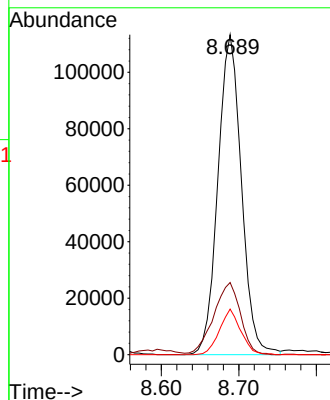
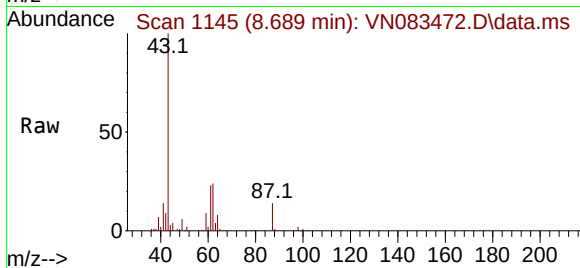
Tgt Ion:	43	Resp:	23889
Ion	Ratio	Lower	Upper
43	100		
61	25.7	17.8	26.6
87	12.9	8.2	12.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/27/2024

Supervised By :Mahesh Dadoda 08/27/2024



#44

Trichloroethene

Concen: 56.094 ug/l

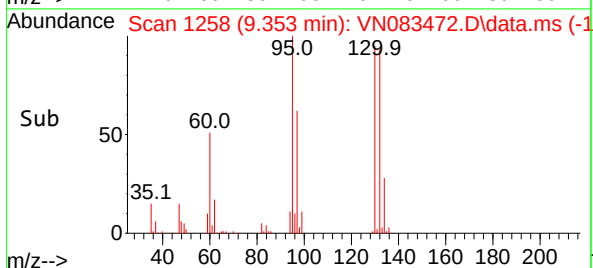
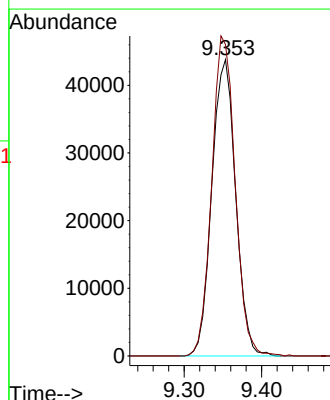
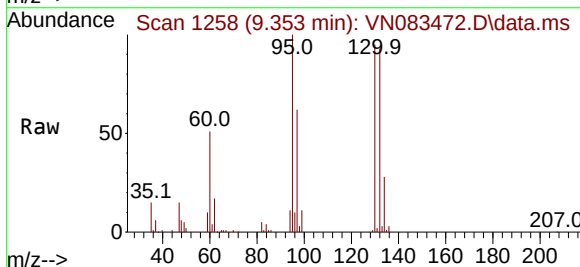
RT: 9.353 min Scan# 1258

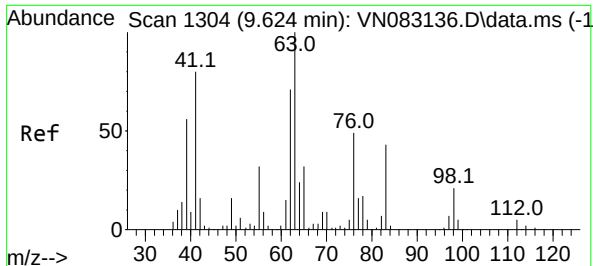
Delta R.T. 0.000 min

Lab File: VN083472.D

Acq: 26 Aug 2024 09:56

Tgt Ion:	130	Resp:	93410
Ion	Ratio	Lower	Upper
130	100		
95	105.1	0.0	197.8





#45

1,2-Dichloropropane

Concen: 59.916 ug/l

RT: 9.618 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN083472.D

Acq: 26 Aug 2024 09:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 63 Resp: 9950

Ion Ratio Lower Upper

63 100

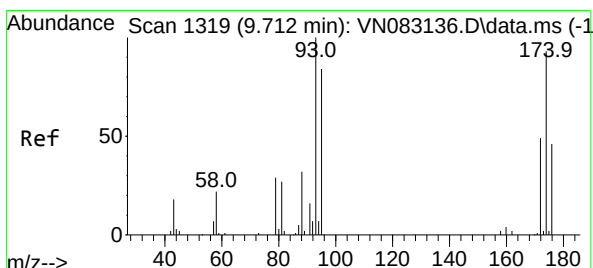
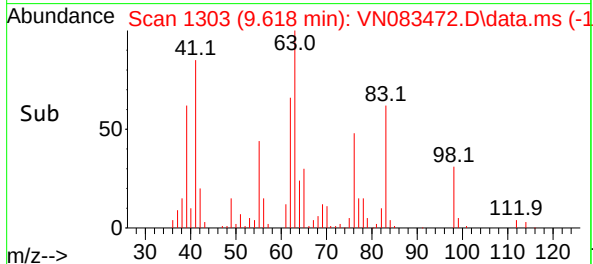
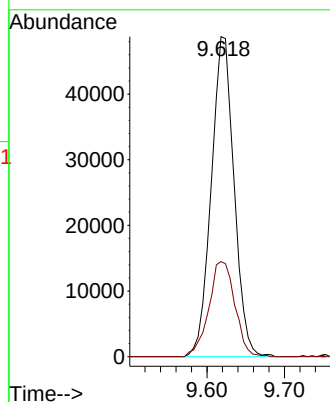
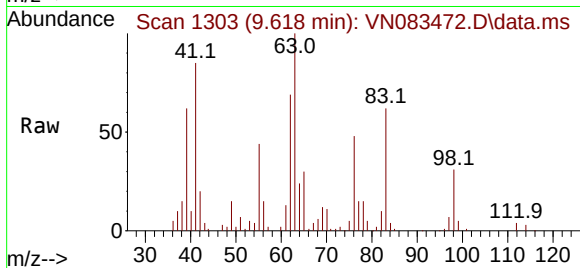
65 29.7 24.4 36.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/27/2024

Supervised By :Mahesh Dadoda 08/27/2024



#46

Dibromomethane

Concen: 60.000 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. -0.006 min

Lab File: VN083472.D

Acq: 26 Aug 2024 09:56

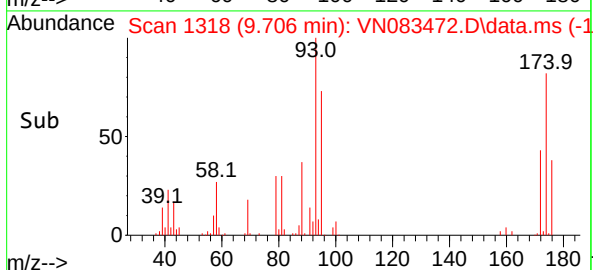
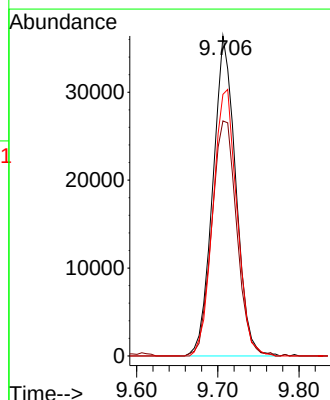
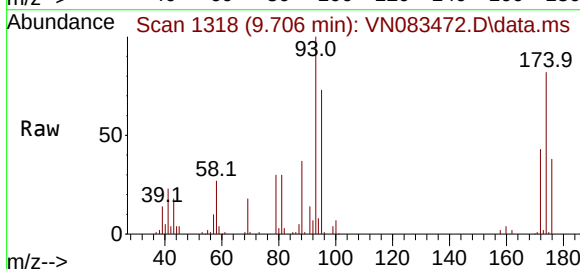
Tgt Ion: 93 Resp: 71321

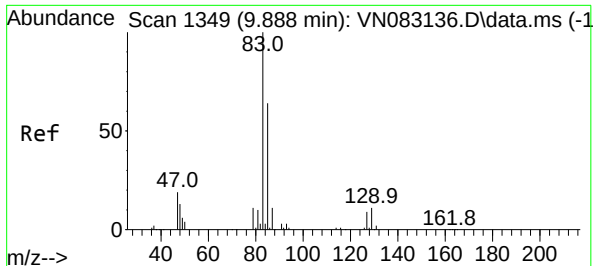
Ion Ratio Lower Upper

93 100

95 80.1 65.8 98.6

174 87.1 71.7 107.5





#47

Bromodichloromethane

Concen: 58.530 ug/l

RT: 9.889 min Scan# 1349

Delta R.T. 0.000 min

Lab File: VN083472.D

Acq: 26 Aug 2024 09:56

Instrument :

MSVOA_N

ClientSampleId :

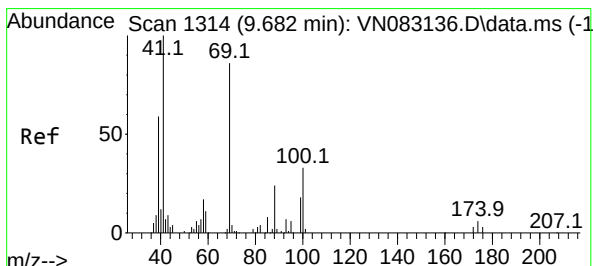
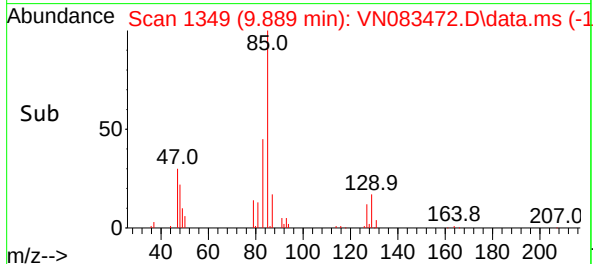
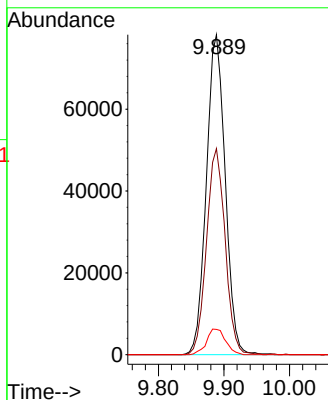
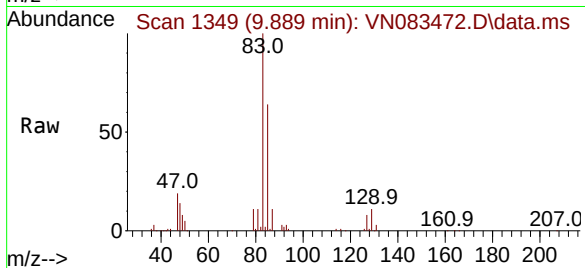
VSTDCCC050

Tgt Ion:	83	Resp:	156210
Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.1	76.7
127	7.9	7.2	10.8

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/27/2024

Supervised By :Mahesh Dadoda 08/27/2024



#48

Methyl methacrylate

Concen: 51.615 ug/l

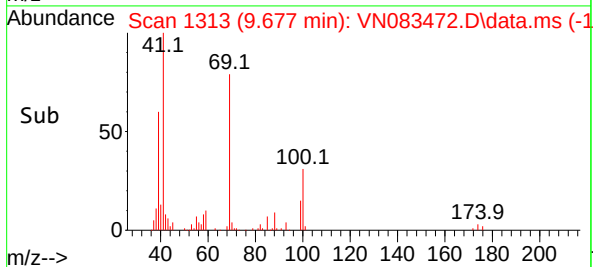
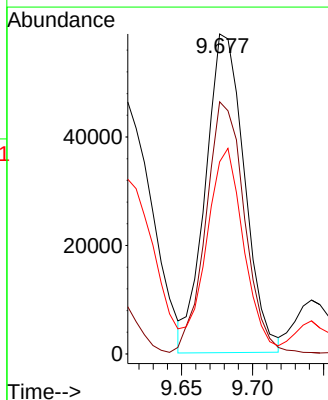
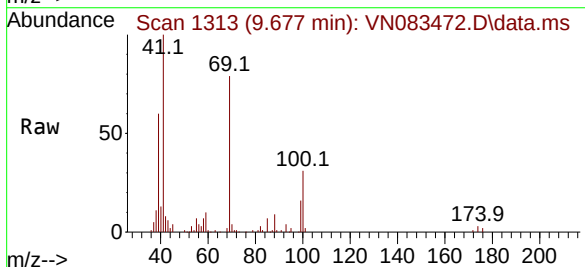
RT: 9.677 min Scan# 1313

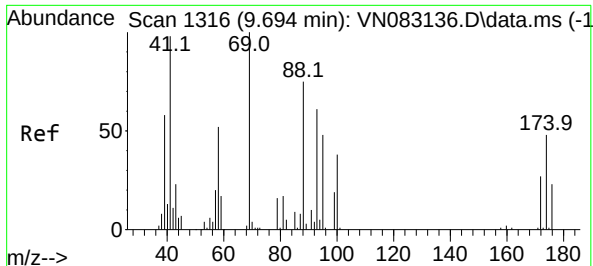
Delta R.T. -0.006 min

Lab File: VN083472.D

Acq: 26 Aug 2024 09:56

Tgt Ion:	41	Resp:	112206
Ion	Ratio	Lower	Upper
41	100		
69	79.3	56.3	84.5
39	62.2	50.3	75.5





#49

1,4-Dioxane

Concen: 981.413 ug/l

RT: 9.694 min Scan# 1316

Delta R.T. 0.000 min

Lab File: VN083472.D

Acq: 26 Aug 2024 09:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 88 Resp: 3849

Ion Ratio Lower Upper

88 100

43 0.0 27.8 41.8

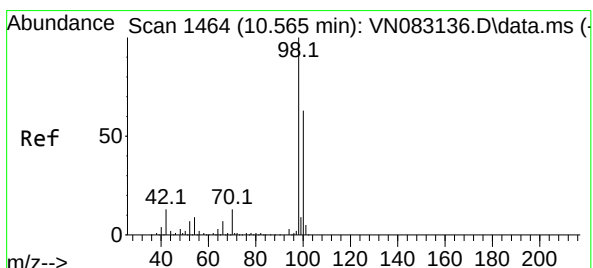
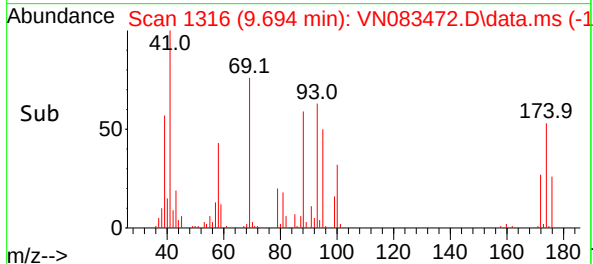
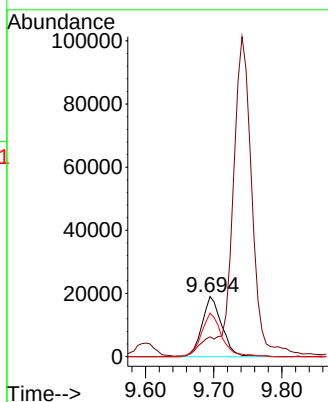
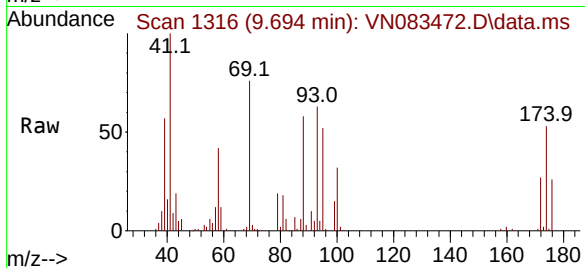
58 74.8 59.4 89.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/27/2024

Supervised By :Mahesh Dadoda 08/27/2024



#50

Toluene-d8

Concen: 57.861 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN083472.D

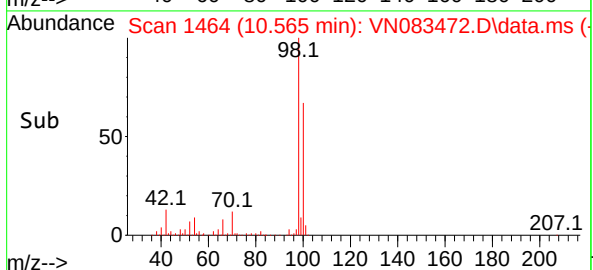
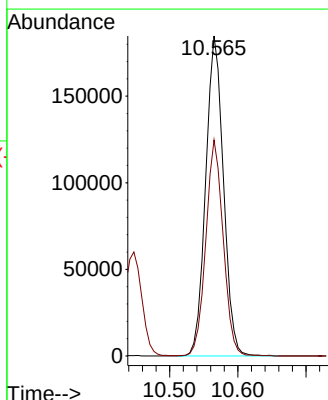
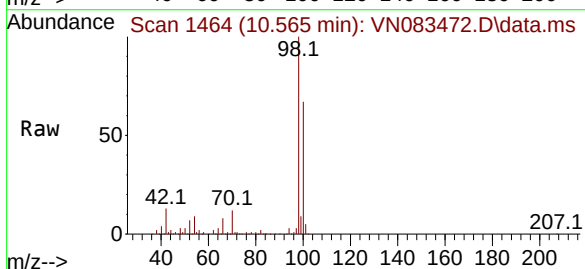
Acq: 26 Aug 2024 09:56

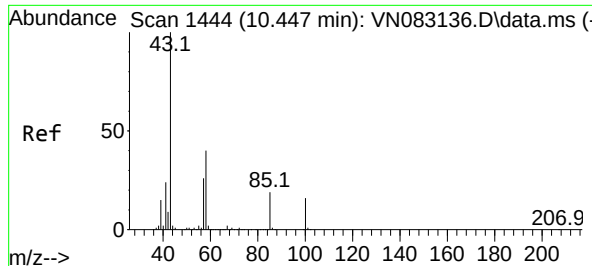
Tgt Ion: 98 Resp: 335082

Ion Ratio Lower Upper

98 100

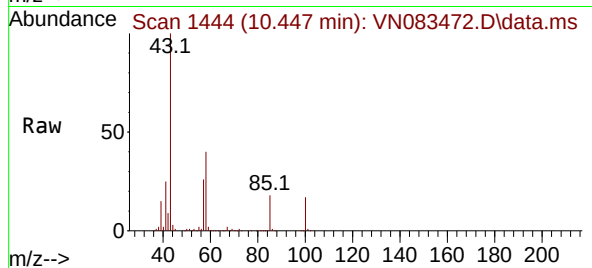
100 66.1 51.5 77.3





#51
4-Methyl-2-Pentanone
Concen: 265.435 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN083472.D
Acq: 26 Aug 2024 09:56

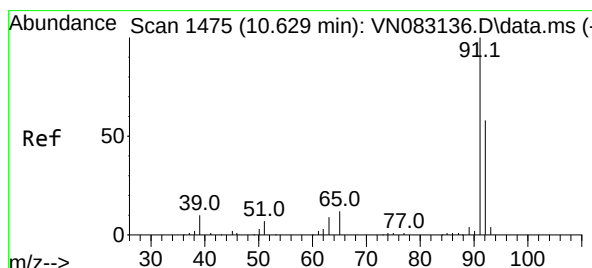
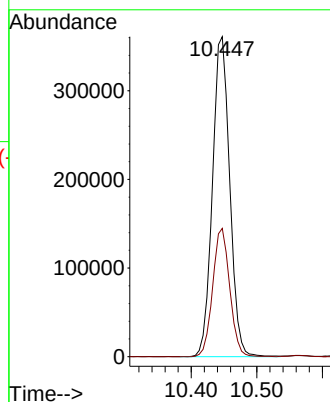
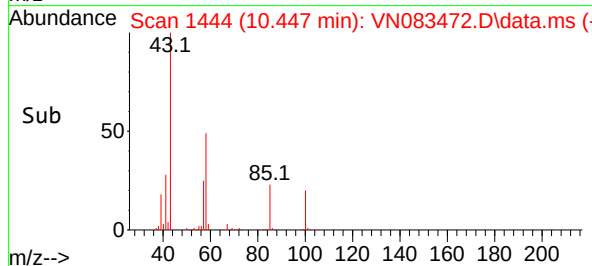
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 43 Resp: 660020
Ion Ratio Lower Upper
43 100
58 39.5 28.2 42.4

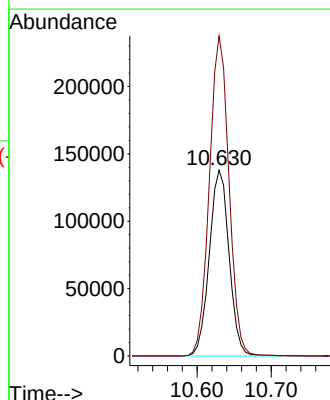
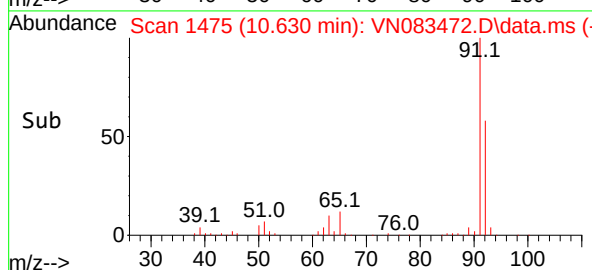
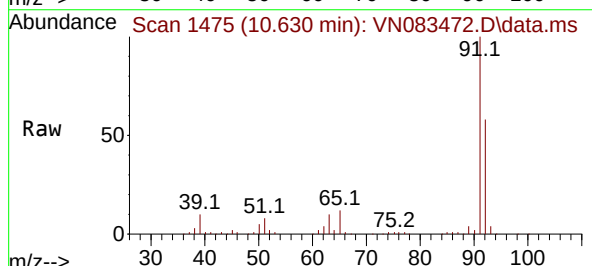
Manual Integrations
APPROVED

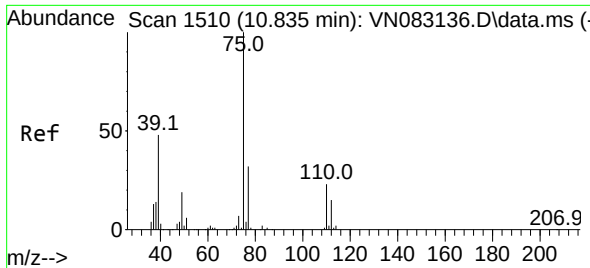
Reviewed By :John Carlone 08/27/2024
Supervised By :Mahesh Dadoda 08/27/2024



#52
Toluene
Concen: 57.739 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN083472.D
Acq: 26 Aug 2024 09:56

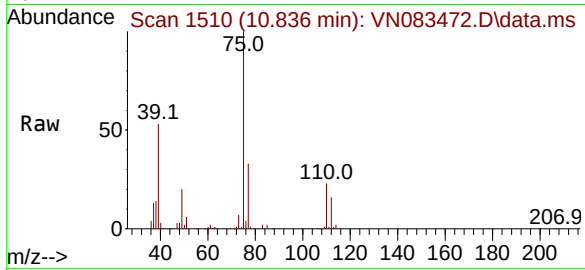
Tgt Ion: 92 Resp: 255234
Ion Ratio Lower Upper
92 100
91 170.8 139.4 209.0





#53
t-1,3-Dichloropropene
Concen: 58.491 ug/l
RT: 10.836 min Scan# 1510
Delta R.T. 0.000 min
Lab File: VN083472.D
Acq: 26 Aug 2024 09:56

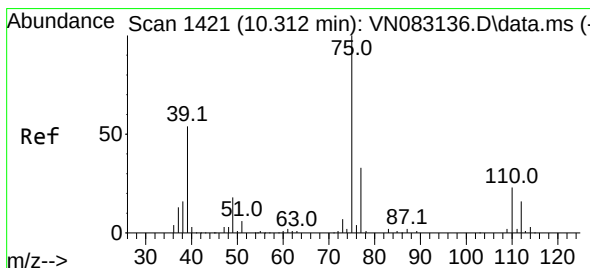
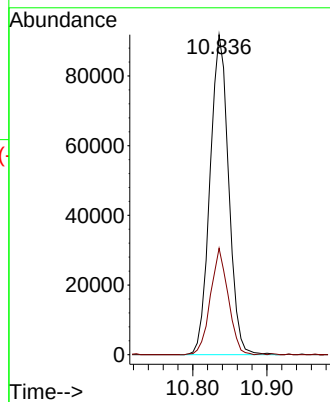
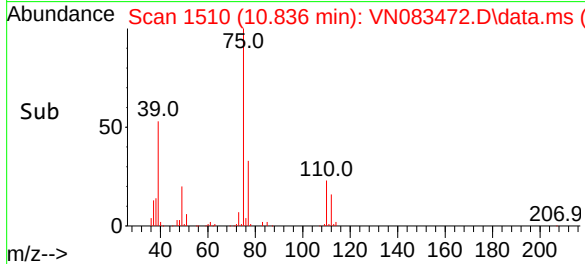
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 75 Resp: 16036
Ion Ratio Lower Upper
75 100
77 33.2 25.7 38.5

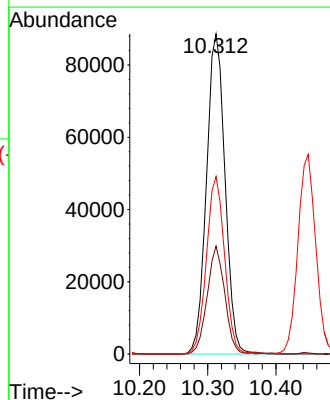
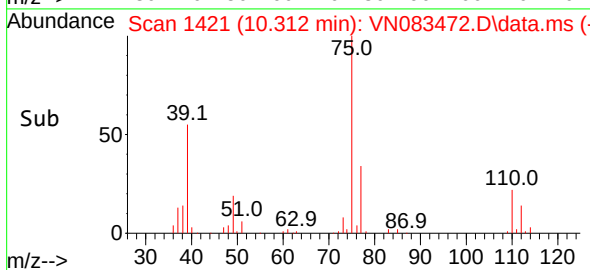
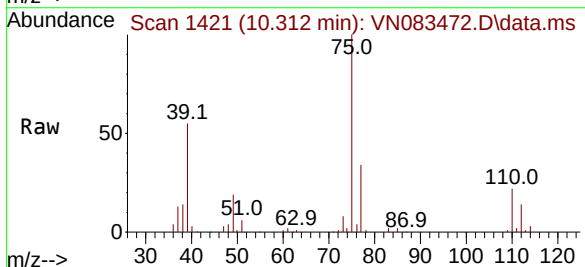
Manual Integrations
APPROVED

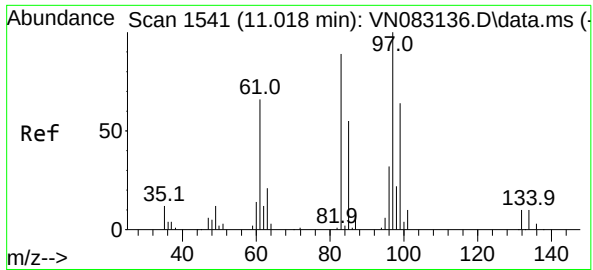
Reviewed By :John Carlone 08/27/2024
Supervised By :Mahesh Dadoda 08/27/2024



#54
cis-1,3-Dichloropropene
Concen: 57.538 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.000 min
Lab File: VN083472.D
Acq: 26 Aug 2024 09:56

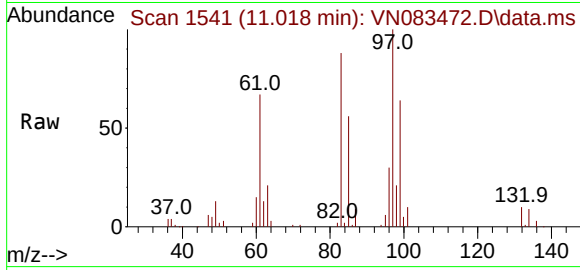
Tgt Ion: 75 Resp: 167787
Ion Ratio Lower Upper
75 100
77 33.7 24.3 36.5
39 55.5 50.5 75.7





#55
1,1,2-Trichloroethane
Concen: 59.076 ug/l
RT: 11.018 min Scan# 1541
Delta R.T. 0.000 min
Lab File: VN083472.D
Acq: 26 Aug 2024 09:56

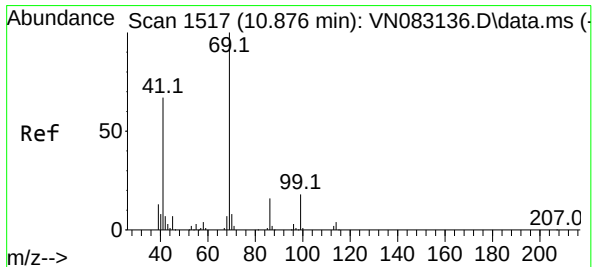
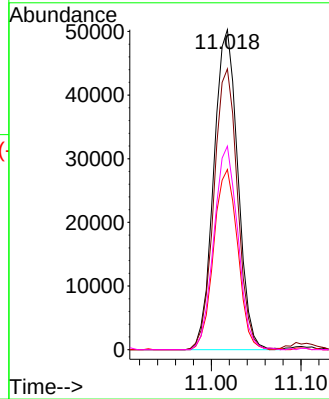
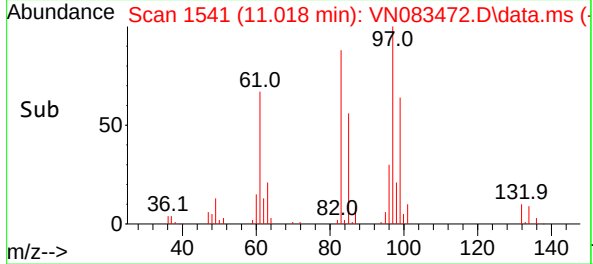
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



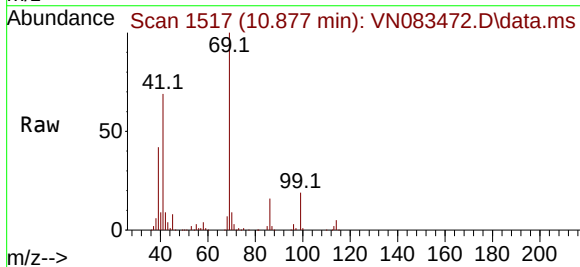
Tgt Ion:	97	Resp:	9358
Ion	Ratio	Lower	Upper
97	100		
83	87.7	71.4	107.0
85	56.3	45.8	68.6
99	63.6	52.0	78.0

Manual Integrations
APPROVED

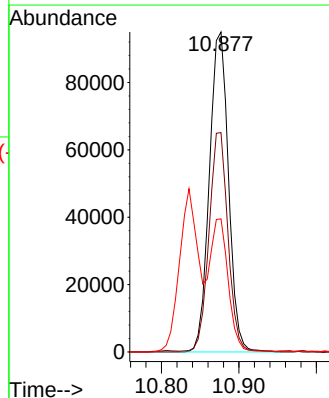
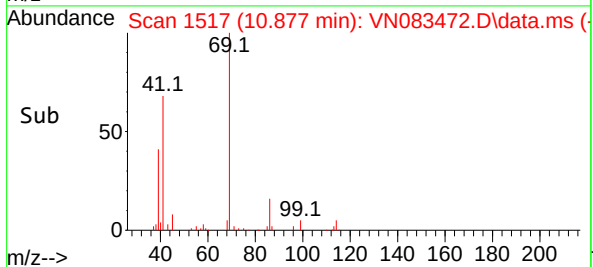
Reviewed By :John Carlone 08/27/2024
Supervised By :Mahesh Dadoda 08/27/2024

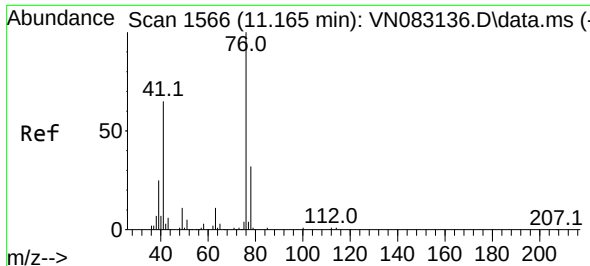


#56
Ethyl methacrylate
Concen: 54.528 ug/l
RT: 10.877 min Scan# 1517
Delta R.T. 0.000 min
Lab File: VN083472.D
Acq: 26 Aug 2024 09:56



Tgt Ion:	69	Resp:	162844
Ion	Ratio	Lower	Upper
69	100		
41	67.4	63.4	95.2
39	40.8	37.4	56.0





#57

1,3-Dichloropropane

Concen: 58.456 ug/l

RT: 11.165 min Scan# 1566

Delta R.T. 0.000 min

Lab File: VN083472.D

Acq: 26 Aug 2024 09:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 76 Resp: 165058

Ion Ratio Lower Upper

76 100

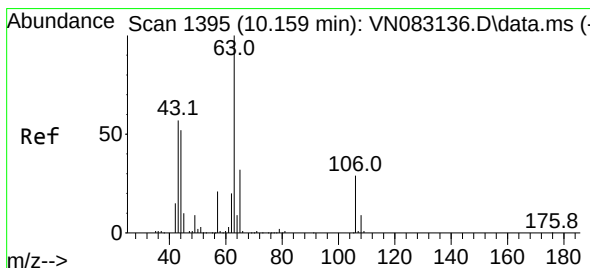
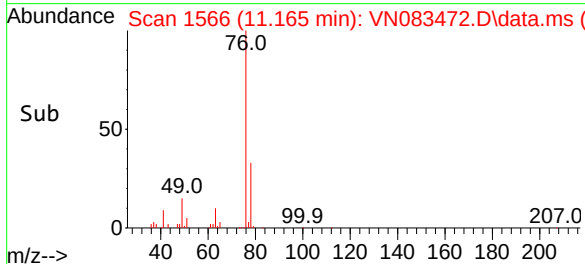
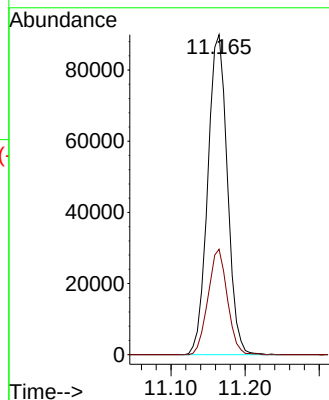
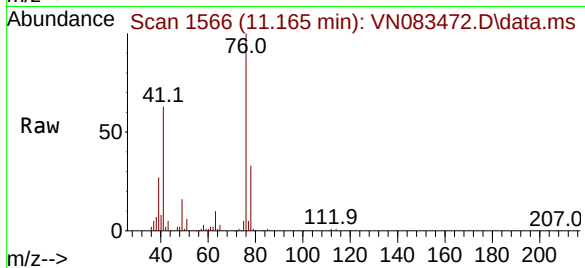
78 32.5 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/27/2024

Supervised By :Mahesh Dadoda 08/27/2024



#58

2-Chloroethyl Vinyl ether

Concen: 233.237 ug/l

RT: 10.159 min Scan# 1395

Delta R.T. 0.000 min

Lab File: VN083472.D

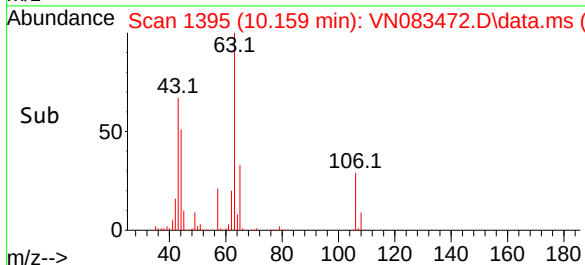
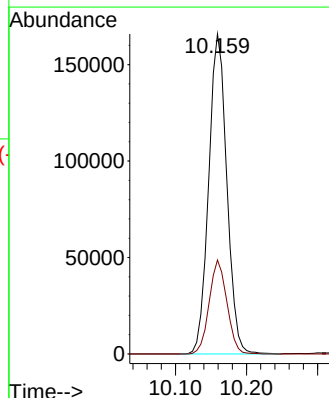
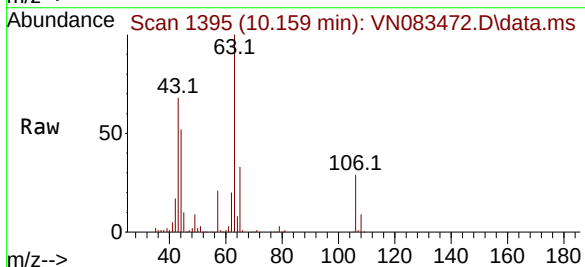
Acq: 26 Aug 2024 09:56

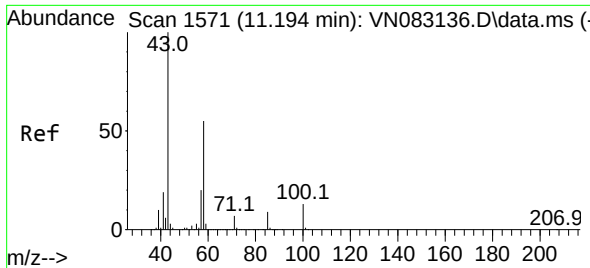
Tgt Ion: 63 Resp: 294430

Ion Ratio Lower Upper

63 100

106 28.6 21.4 32.0





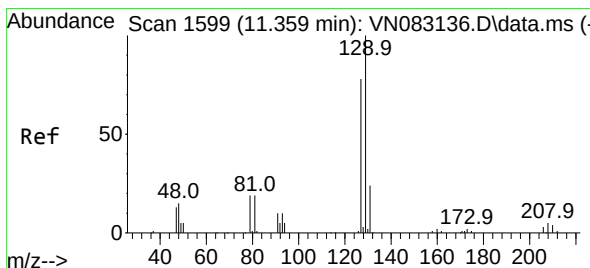
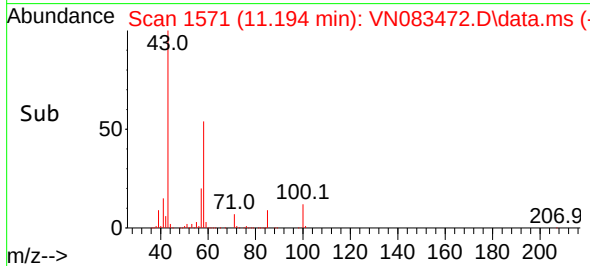
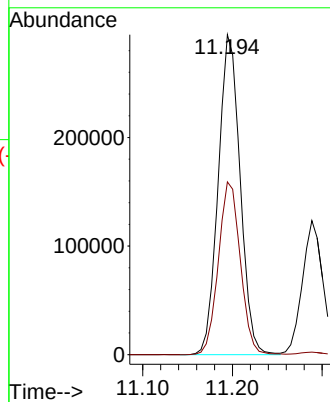
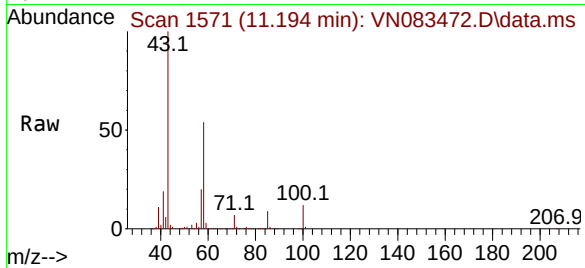
#59
2-Hexanone
Concen: 259.917 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. 0.000 min
Lab File: VN083472.D
Acq: 26 Aug 2024 09:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 500000
Ion Ratio Lower Upper
43 100
58 54.1 24.6 73.8

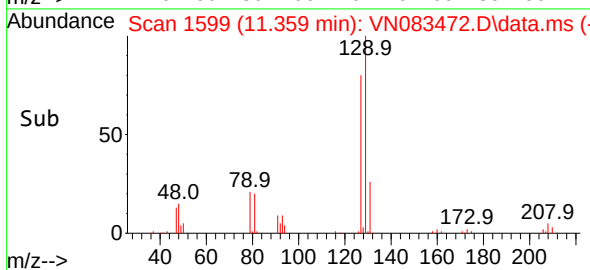
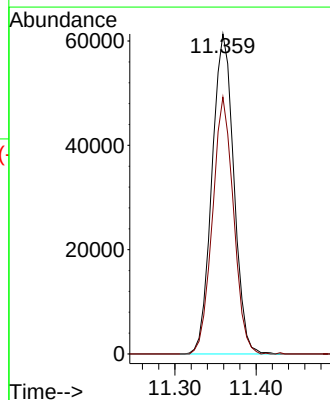
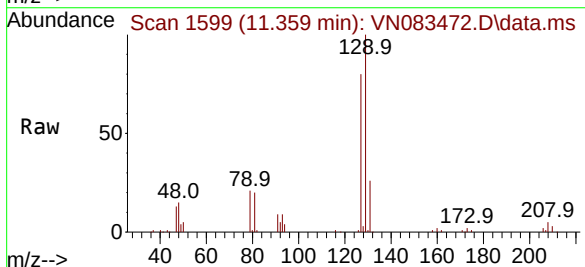
Manual Integrations
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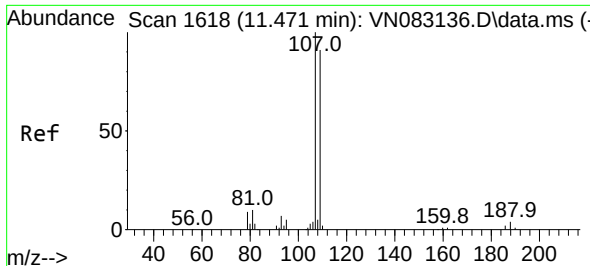
Reviewed By :John Carlone 08/27/2024
Supervised By :Mahesh Dadoda 08/27/2024



#60
Dibromochloromethane
Concen: 59.883 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VN083472.D
Acq: 26 Aug 2024 09:56

Tgt Ion:129 Resp: 114694
Ion Ratio Lower Upper
129 100
127 77.3 39.2 117.6





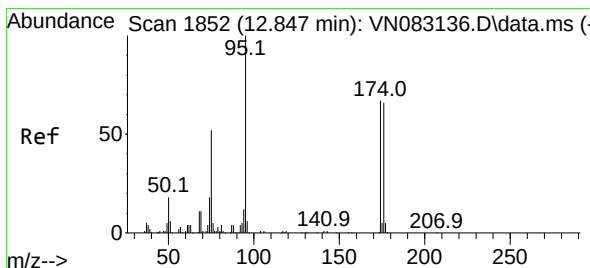
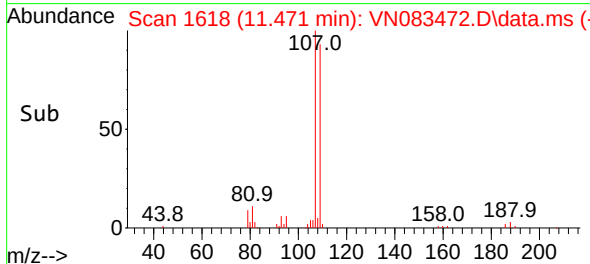
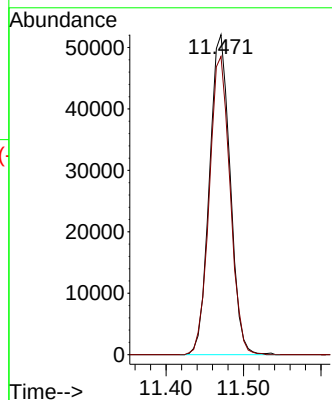
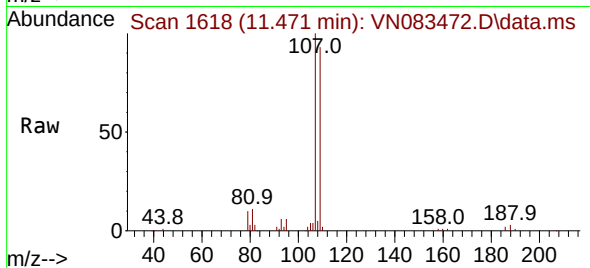
#61
1,2-Dibromoethane
Concen: 57.888 ug/l
RT: 11.471 min Scan# 1618
Delta R.T. 0.000 min
Lab File: VN083472.D
Acq: 26 Aug 2024 09:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:107 Resp: 96335
Ion Ratio Lower Upper
107 100
109 93.7 73.7 110.5

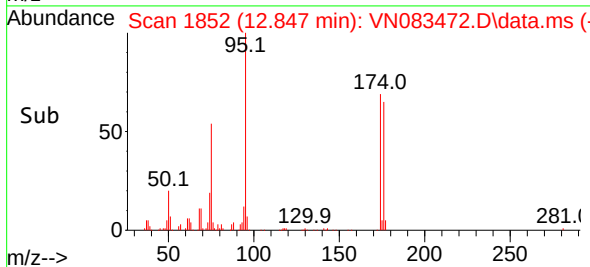
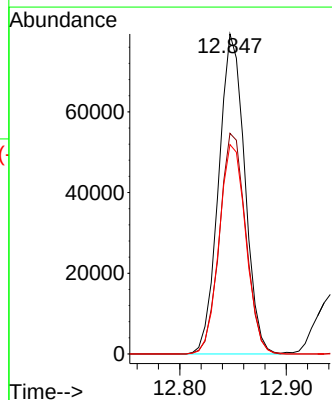
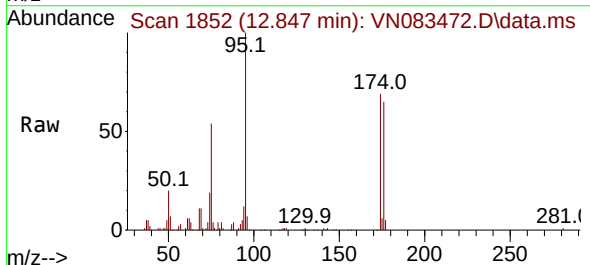
Manual Integrations
APPROVED

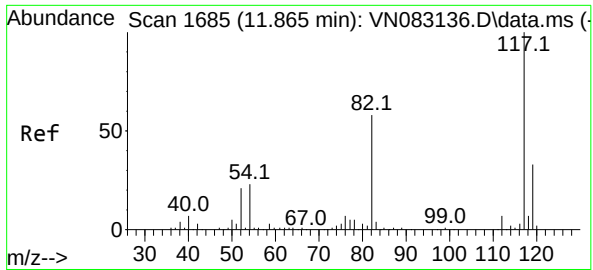
Reviewed By :John Carlone 08/27/2024
Supervised By :Mahesh Dadoda 08/27/2024



#62
4-Bromofluorobenzene
Concen: 59.698 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN083472.D
Acq: 26 Aug 2024 09:56

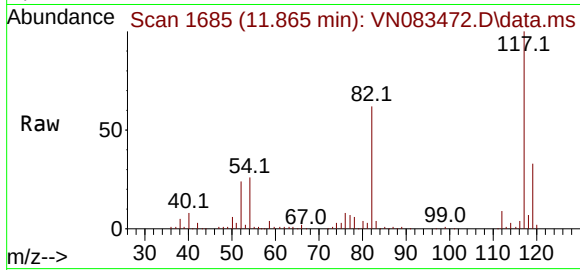
Tgt Ion: 95 Resp: 134780
Ion Ratio Lower Upper
95 100
174 69.3 0.0 159.2
176 67.2 0.0 147.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN083472.D
Acq: 26 Aug 2024 09:56

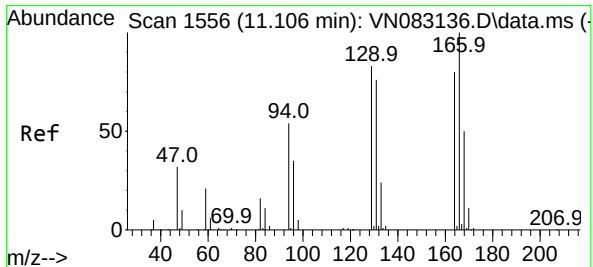
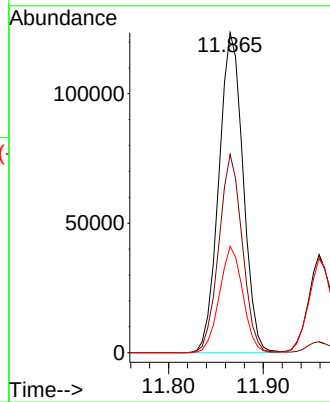
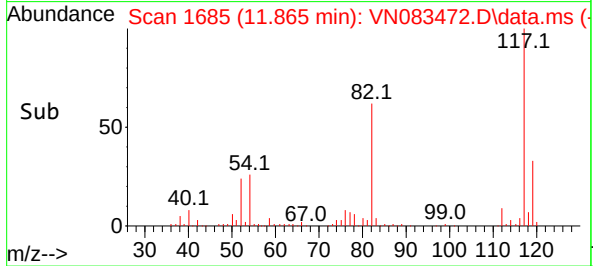
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion:117 Resp: 21957
Ion Ratio Lower Upper
117 100
82 61.9 47.5 71.3
119 33.2 25.6 38.4

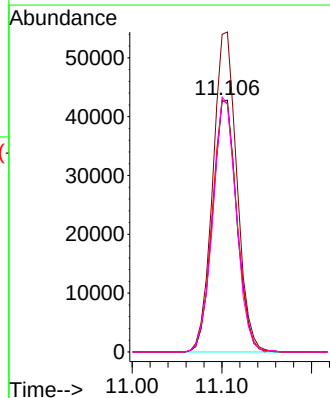
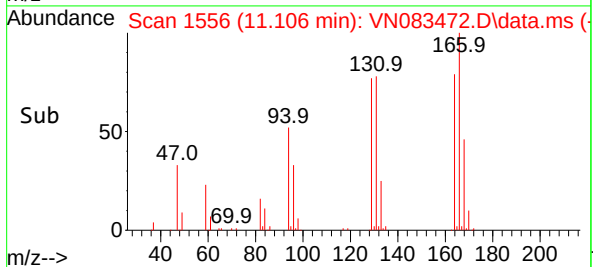
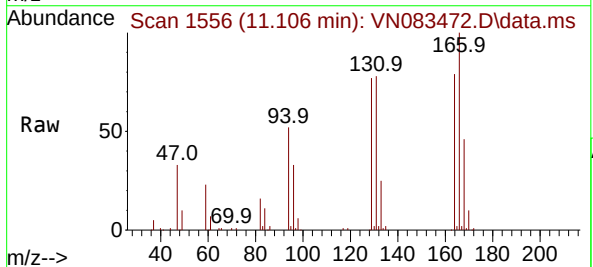
Manual Integrations
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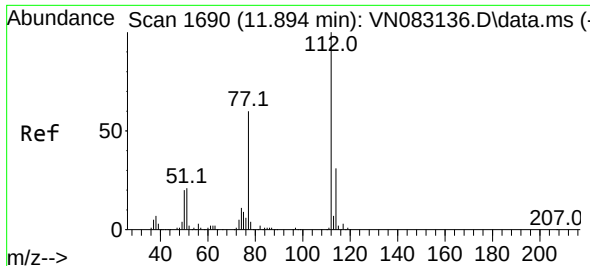
Reviewed By :John Carlone 08/27/2024
Supervised By :Mahesh Dadoda 08/27/2024



#64
Tetrachloroethene
Concen: 54.817 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. 0.000 min
Lab File: VN083472.D
Acq: 26 Aug 2024 09:56

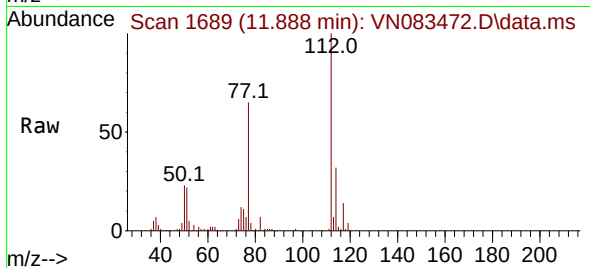
Tgt Ion:164 Resp: 79714
Ion Ratio Lower Upper
164 100
166 127.1 101.4 152.0
129 98.4 75.7 113.5
131 98.6 73.8 110.6





#65
Chlorobenzene
Concen: 55.553 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. -0.006 min
Lab File: VN083472.D
Acq: 26 Aug 2024 09:56

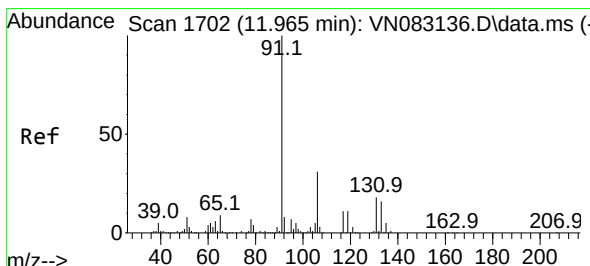
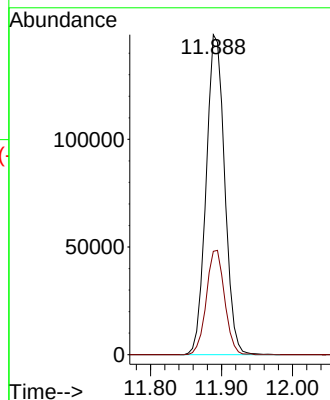
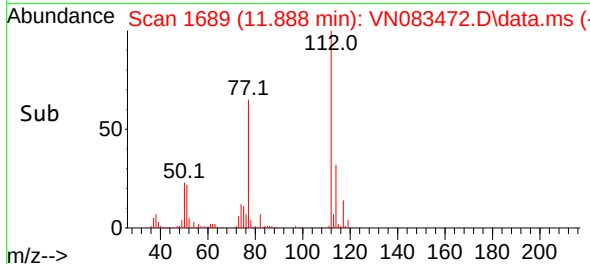
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



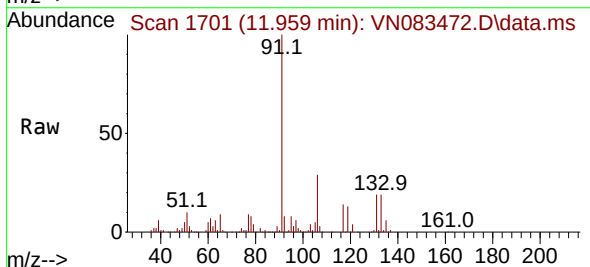
Tgt Ion:112 Resp: 26956
Ion Ratio Lower Upper
112 100
114 32.3 26.2 39.2

Manual Integrations
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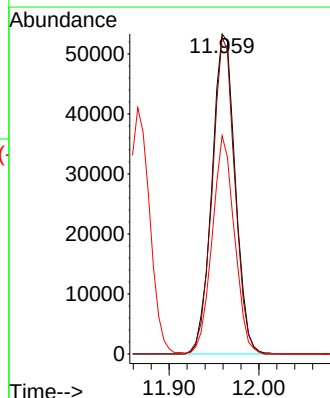
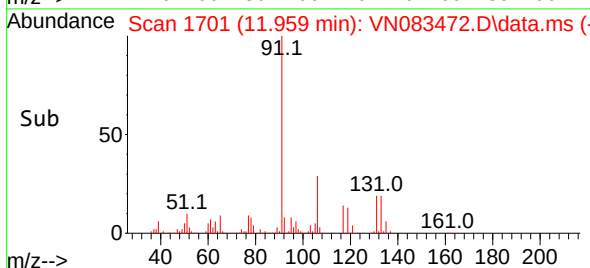
Reviewed By :John Carlone 08/27/2024
Supervised By :Mahesh Dadoda 08/27/2024

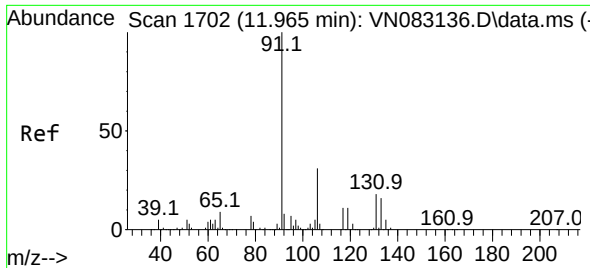


#66
1,1,1,2-Tetrachloroethane
Concen: 56.241 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.006 min
Lab File: VN083472.D
Acq: 26 Aug 2024 09:56



Tgt Ion:131 Resp: 96248
Ion Ratio Lower Upper
131 100
133 96.0 47.3 142.0
119 65.0 32.5 97.4





#67

Ethyl Benzene

Concen: 55.722 ug/l

RT: 11.965 min Scan# 1702

Delta R.T. 0.000 min

Lab File: VN083472.D

Acq: 26 Aug 2024 09:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 496004

Ion Ratio Lower Upper

91 100

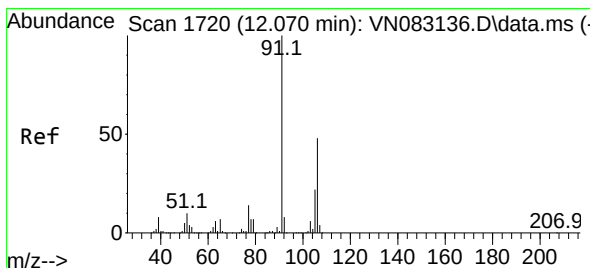
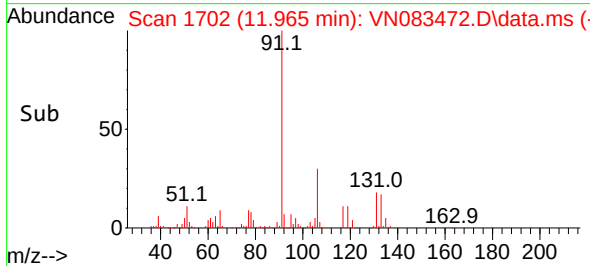
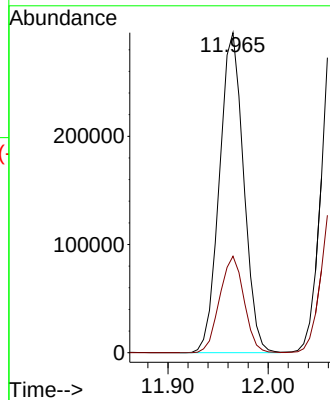
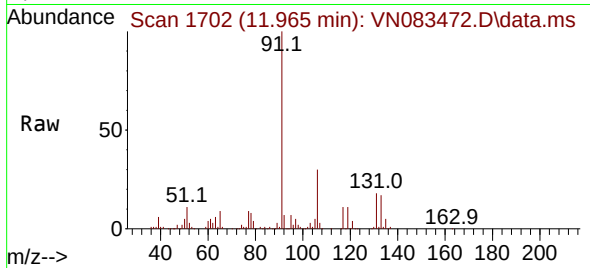
106 30.1 24.0 36.0

Manual Integrations

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Reviewed By :John Carlone 08/27/2024

Supervised By :Mahesh Dadoda 08/27/2024



#68

m/p-Xylenes

Concen: 111.827 ug/l

RT: 12.071 min Scan# 1720

Delta R.T. 0.000 min

Lab File: VN083472.D

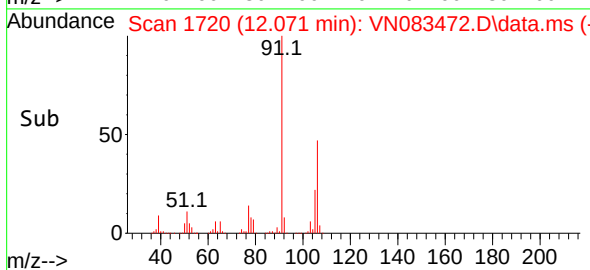
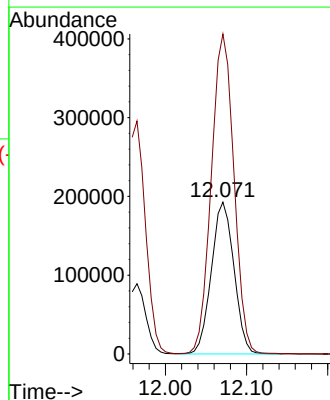
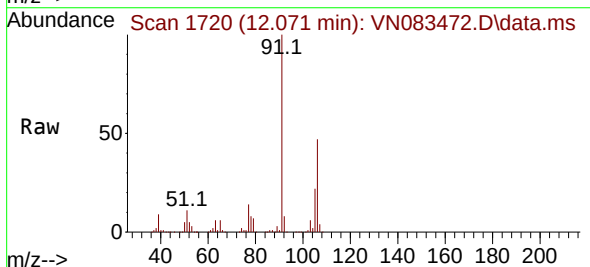
Acq: 26 Aug 2024 09:56

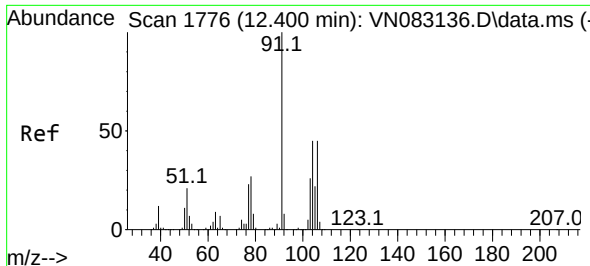
Tgt Ion:106 Resp: 372878

Ion Ratio Lower Upper

106 100

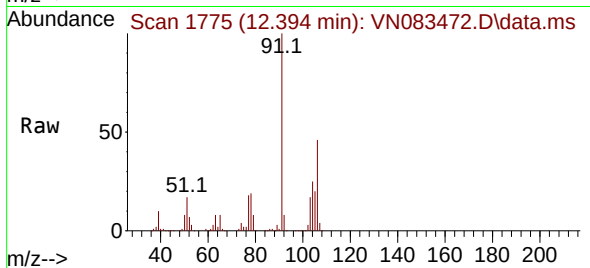
91 211.4 166.1 249.1





#69
o-Xylene
Concen: 55.159 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.006 min
Lab File: VN083472.D
Acq: 26 Aug 2024 09:56

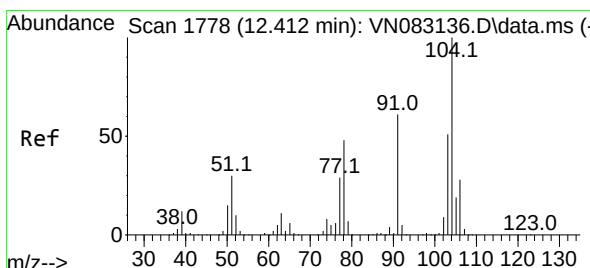
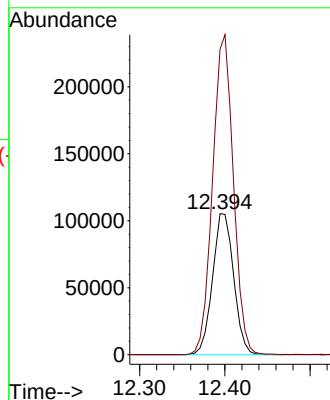
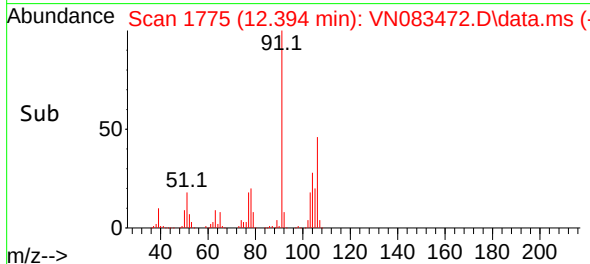
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion:106 Resp: 181398
Ion Ratio Lower Upper
106 100
91 223.8 111.3 333.9

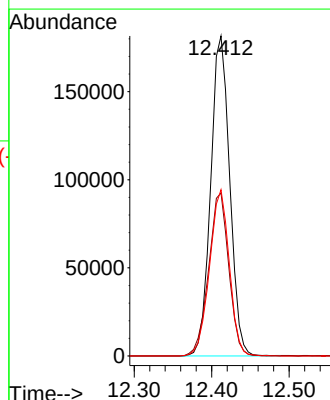
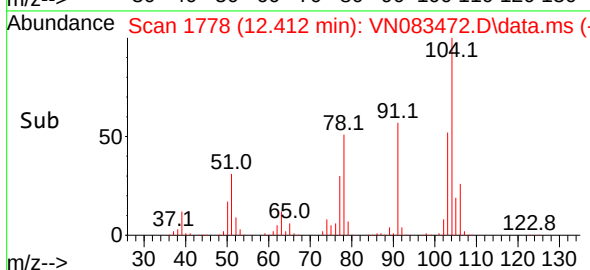
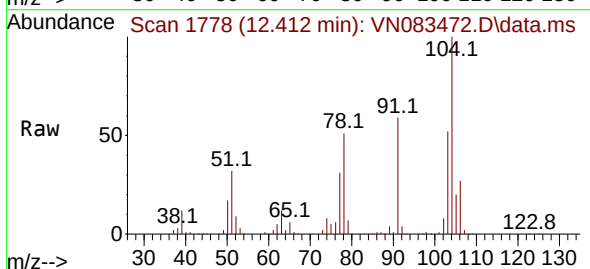
Manual Integrations
APPROVED

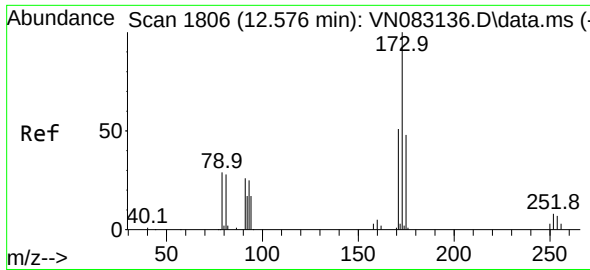
Reviewed By :John Carlone 08/27/2024
Supervised By :Mahesh Dadoda 08/27/2024



#70
Styrene
Concen: 56.179 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VN083472.D
Acq: 26 Aug 2024 09:56

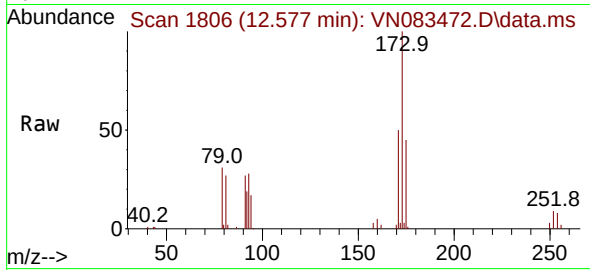
Tgt Ion:104 Resp: 310302
Ion Ratio Lower Upper
104 100
78 54.1 41.6 62.4
103 53.8 44.0 66.0





#71
Bromoform
Concen: 57.118 ug/l
RT: 12.577 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VN083472.D
Acq: 26 Aug 2024 09:56

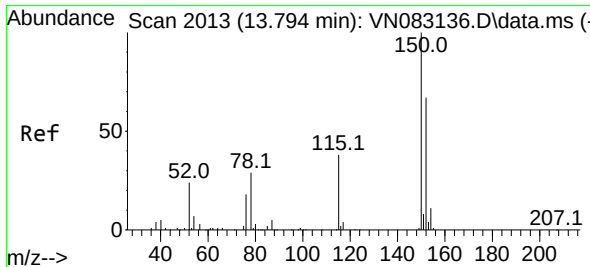
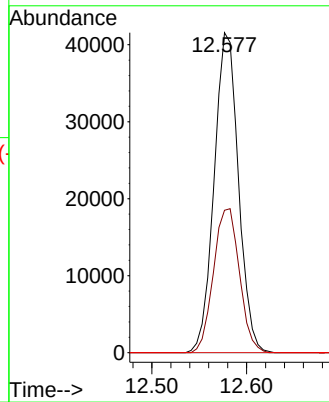
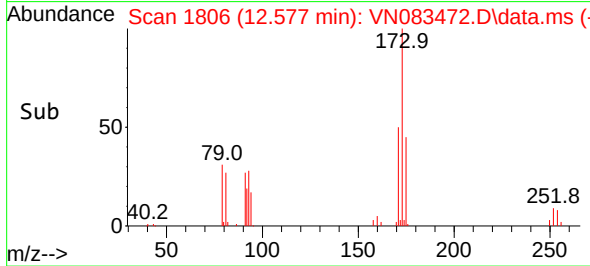
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



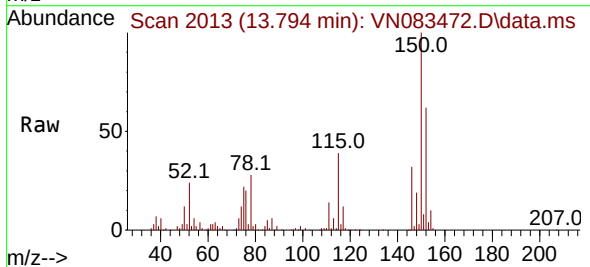
Tgt Ion:173 Resp: 74050
Ion Ratio Lower Upper
173 100
175 48.1 24.0 72.0
254 0.0 0.0 0.0

Manual Integrations
APPROVED

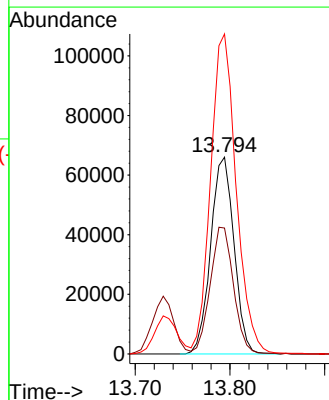
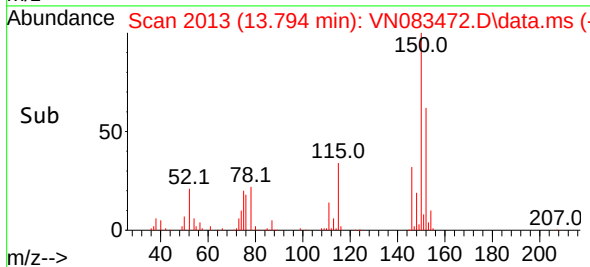
Reviewed By :John Carlone 08/27/2024
Supervised By :Mahesh Dadoda 08/27/2024

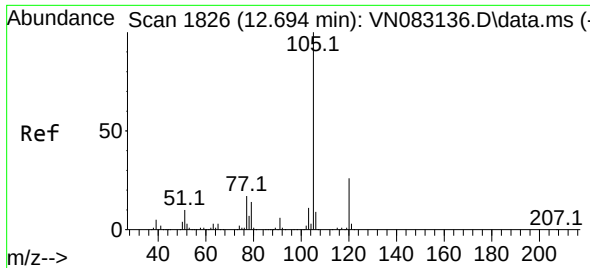


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN083472.D
Acq: 26 Aug 2024 09:56



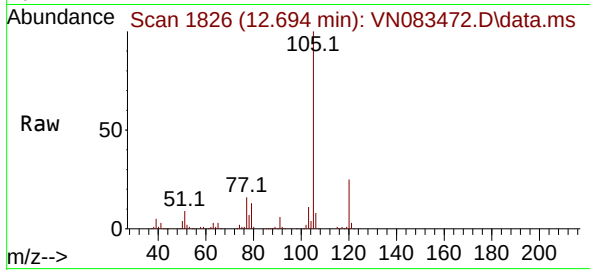
Tgt Ion:152 Resp: 113050
Ion Ratio Lower Upper
152 100
115 64.3 30.6 91.6
150 178.2 0.0 348.6





#73
Isopropylbenzene
Concen: 50.813 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN083472.D
Acq: 26 Aug 2024 09:56

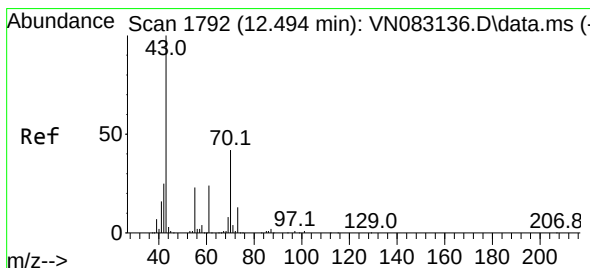
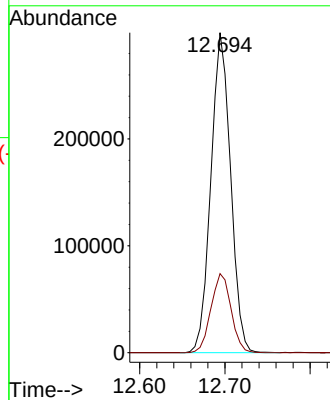
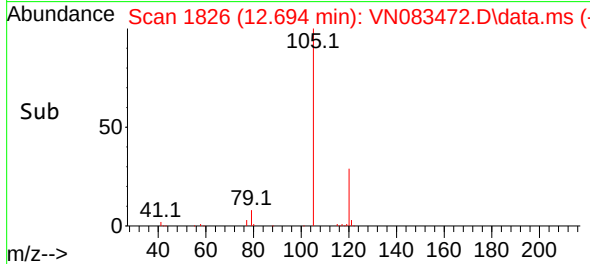
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion:105 Resp: 480474
Ion Ratio Lower Upper
105 100
120 25.1 12.9 38.6

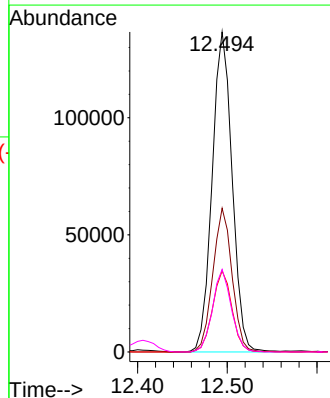
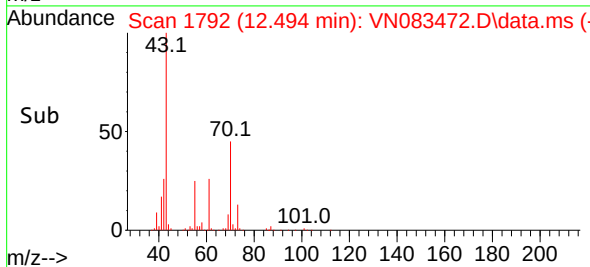
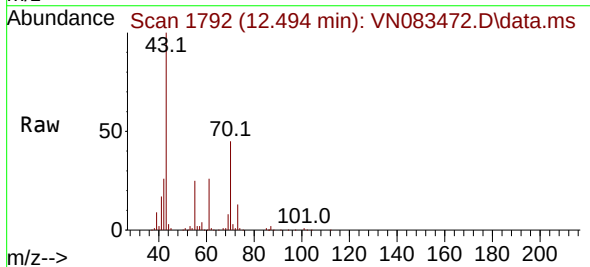
Manual Integrations
APPROVED

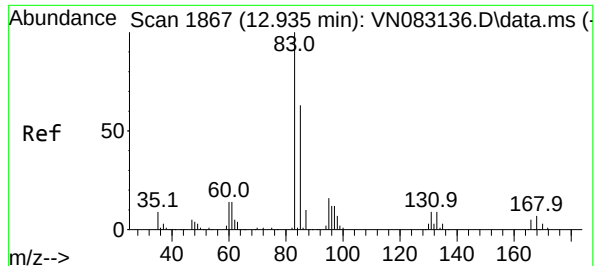
Reviewed By :John Carlone 08/27/2024
Supervised By :Mahesh Dadoda 08/27/2024



#74
N-ethyl acetate
Concen: 45.709 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VN083472.D
Acq: 26 Aug 2024 09:56

Tgt Ion: 43 Resp: 211412
Ion Ratio Lower Upper
43 100
70 43.3 29.8 44.6
55 24.5 18.7 28.1
61 24.3 17.4 26.0





#75

1,1,2,2-Tetrachloroethane

Concen: 51.718 ug/l

RT: 12.941 min Scan# 1868

Delta R.T. 0.006 min

Lab File: VN083472.D

Acq: 26 Aug 2024 09:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

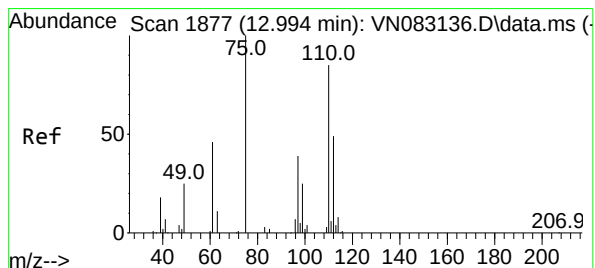
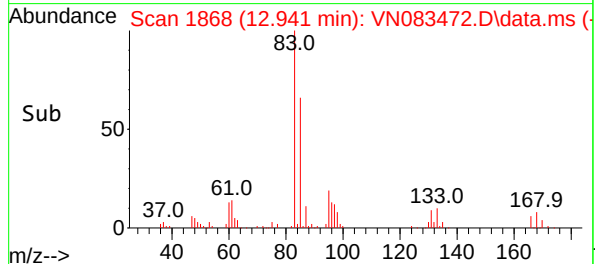
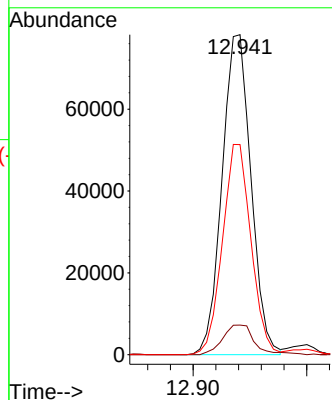
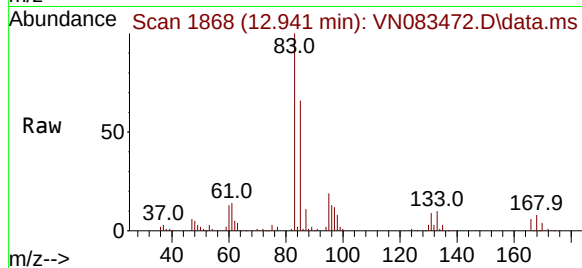
Tgt Ion:	83	Resp:	13831
Ion	Ratio	Lower	Upper
83	100		
131	10.2	5.0	14.9
85	64.8	31.9	95.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/27/2024

Supervised By :Mahesh Dadoda 08/27/2024



#76

1,2,3-Trichloropropane

Concen: 48.585 ug/l m

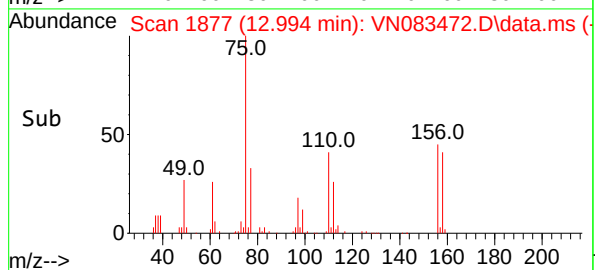
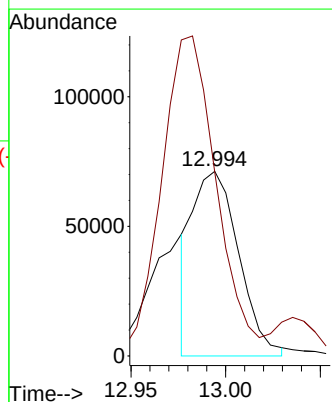
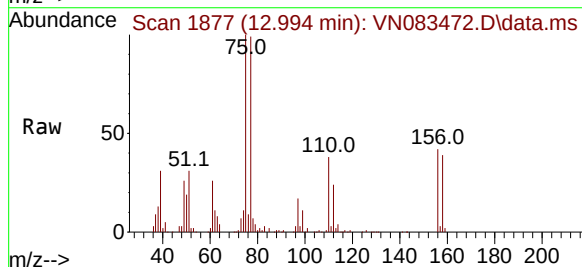
RT: 12.994 min Scan# 1877

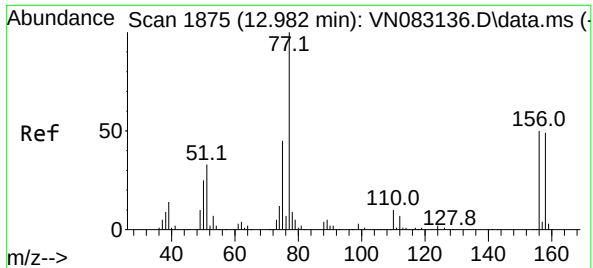
Delta R.T. 0.000 min

Lab File: VN083472.D

Acq: 26 Aug 2024 09:56

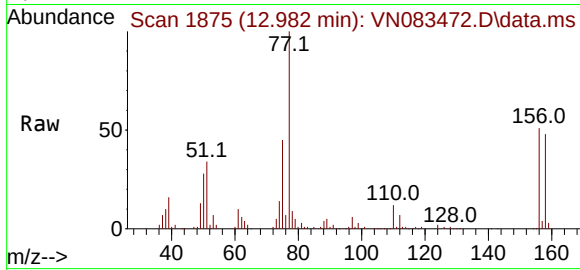
Tgt Ion:	75	Resp:	120548
Ion	Ratio	Lower	Upper
75	100		
77	206.7	110.9	332.6





#77
Bromobenzene
Concen: 52.254 ug/l
RT: 12.982 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VN083472.D
Acq: 26 Aug 2024 09:56

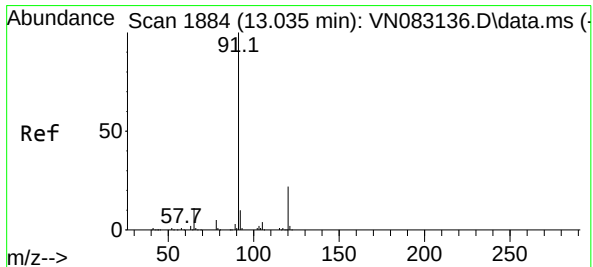
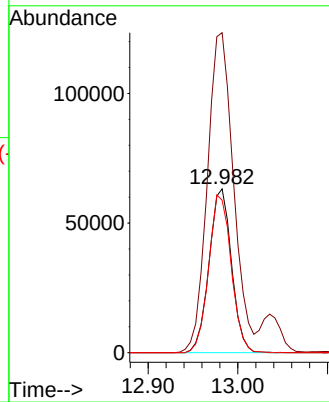
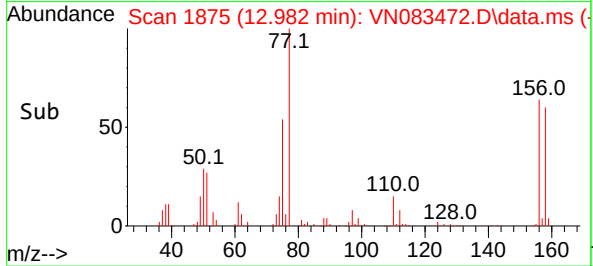
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion:156 Resp: 109760
Ion Ratio Lower Upper
156 100
77 227.0 111.3 333.8
158 96.6 48.3 144.9

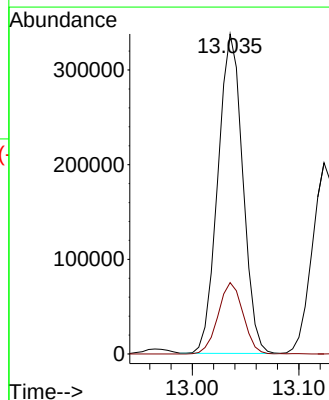
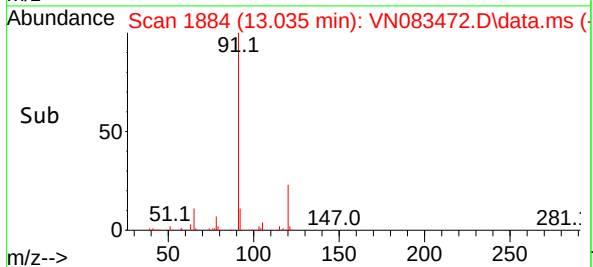
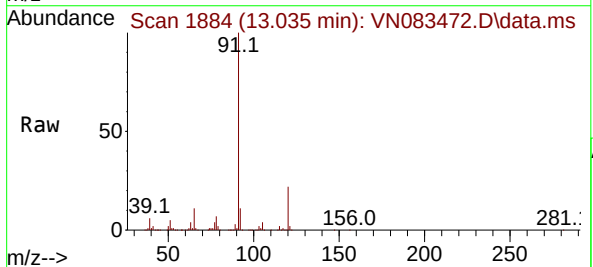
Manual Integrations
APPROVED

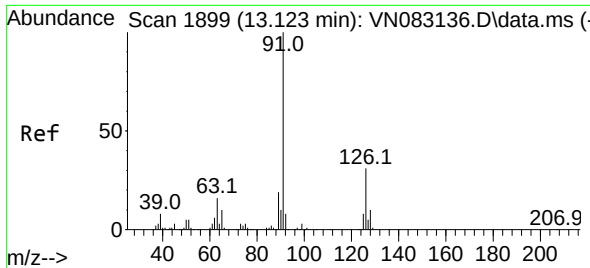
Reviewed By :John Carlone 08/27/2024
Supervised By :Mahesh Dadoda 08/27/2024



#78
n-propylbenzene
Concen: 50.232 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN083472.D
Acq: 26 Aug 2024 09:56

Tgt Ion: 91 Resp: 546936
Ion Ratio Lower Upper
91 100
120 22.5 10.9 32.9





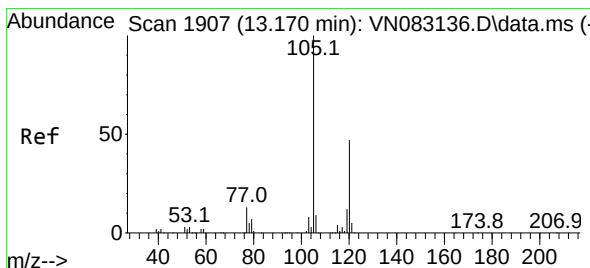
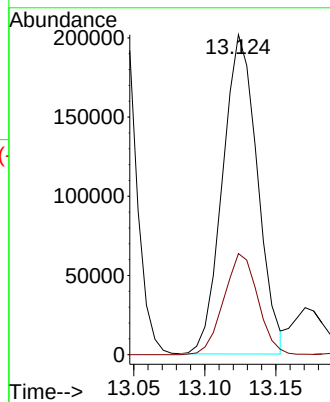
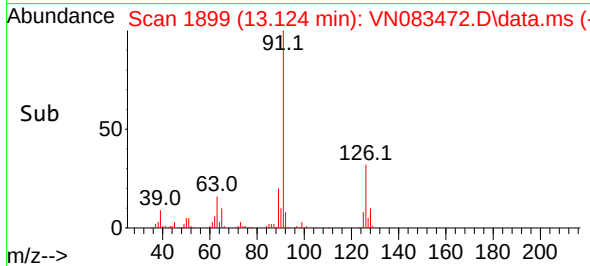
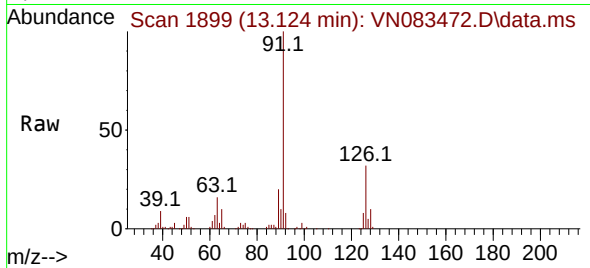
#79
2-Chlorotoluene
Concen: 49.865 ug/l
RT: 13.124 min Scan# 1899
Delta R.T. 0.000 min
Lab File: VN083472.D
Acq: 26 Aug 2024 09:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 344218
Ion Ratio Lower Upper
91 100
126 31.0 16.2 48.6

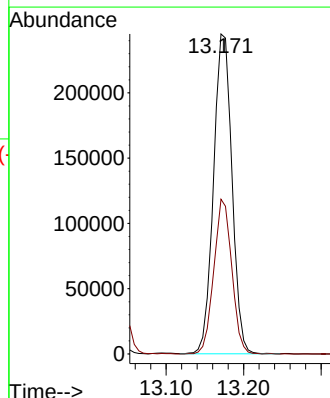
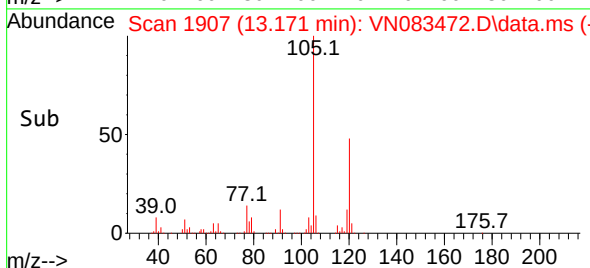
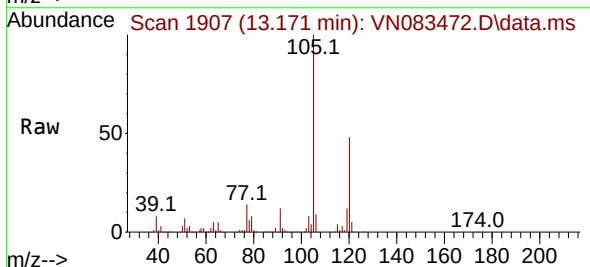
Manual Integrations
APPROVED

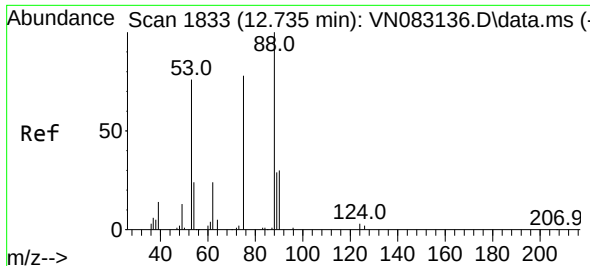
Reviewed By :John Carlone 08/27/2024
Supervised By :Mahesh Dadoda 08/27/2024



#80
1,3,5-Trimethylbenzene
Concen: 51.230 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN083472.D
Acq: 26 Aug 2024 09:56

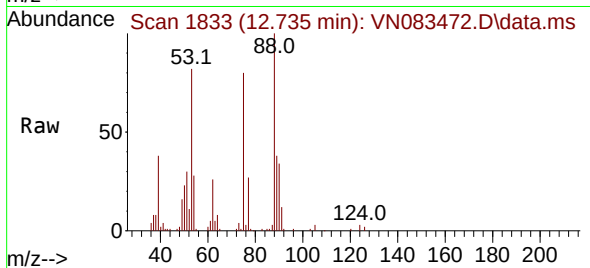
Tgt Ion:105 Resp: 405557
Ion Ratio Lower Upper
105 100
120 47.2 24.3 72.8





#81
trans-1,4-Dichloro-2-butene
Concen: 45.017 ug/l
RT: 12.735 min Scan# 1833
Delta R.T. 0.000 min
Lab File: VN083472.D
Acq: 26 Aug 2024 09:56

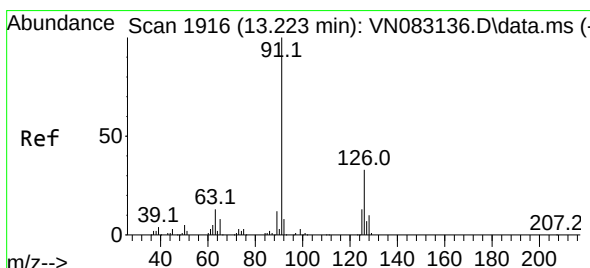
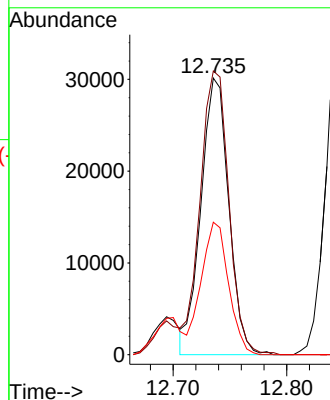
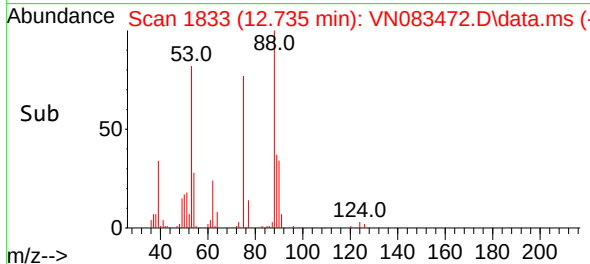
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



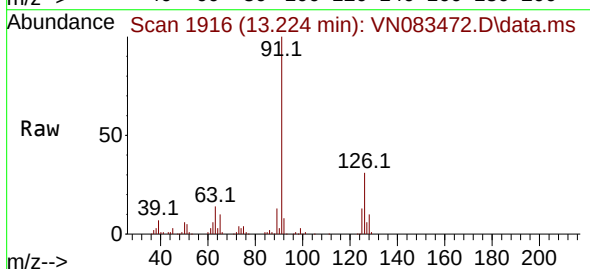
Tgt Ion: 75 Resp: 51348
Ion Ratio Lower Upper
75 100
53 105.9 88.4 132.6
89 46.7 36.3 54.5

Manual Integrations
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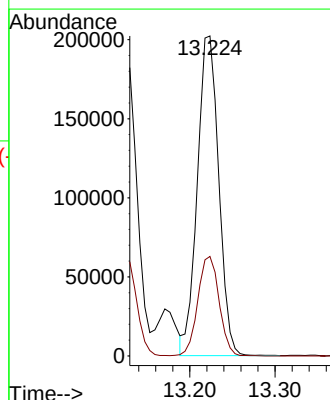
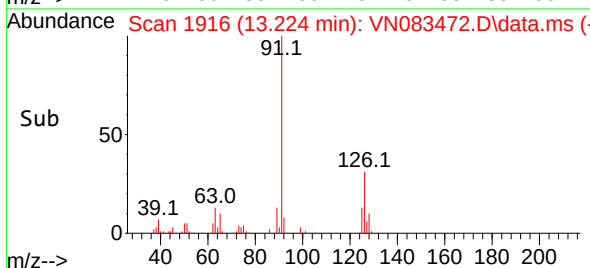
Reviewed By :John Carlone 08/27/2024
Supervised By :Mahesh Dadoda 08/27/2024

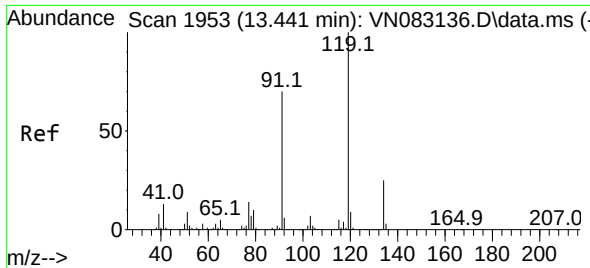


#82
4-Chlorotoluene
Concen: 50.927 ug/l
RT: 13.224 min Scan# 1916
Delta R.T. 0.000 min
Lab File: VN083472.D
Acq: 26 Aug 2024 09:56



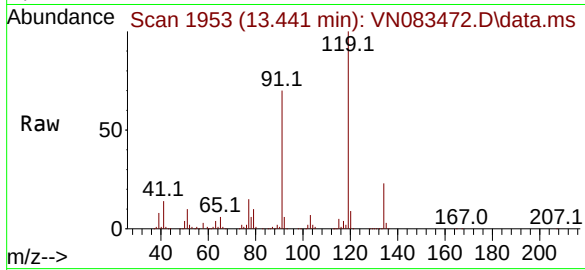
Tgt Ion: 91 Resp: 352628
Ion Ratio Lower Upper
91 100
126 31.1 16.2 48.6





#83
tert-Butylbenzene
Concen: 50.456 ug/l
RT: 13.441 min Scan# 1953
Delta R.T. 0.000 min
Lab File: VN083472.D
Acq: 26 Aug 2024 09:56

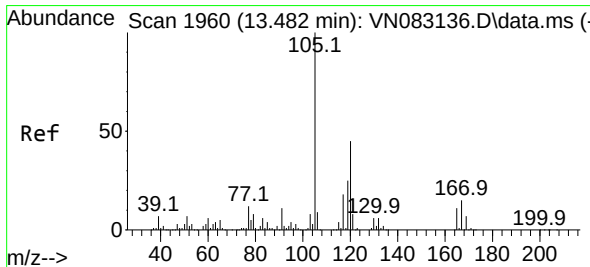
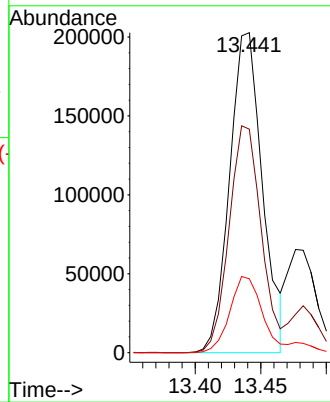
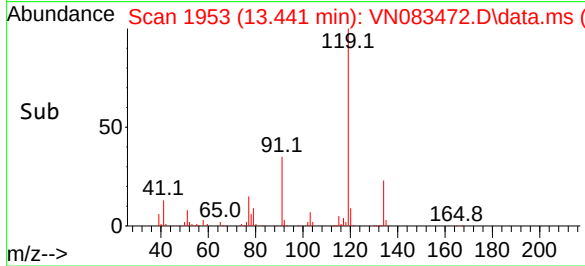
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



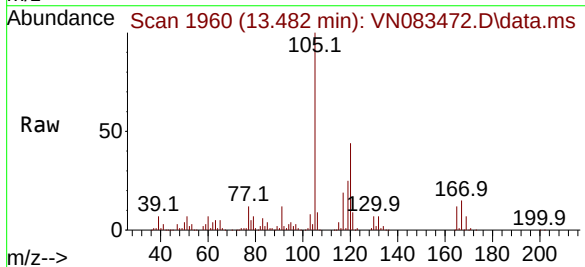
Tgt Ion:119 Resp: 353738
Ion Ratio Lower Upper
119 100
91 69.4 35.0 105.1
134 23.6 13.3 39.8

Manual Integrations
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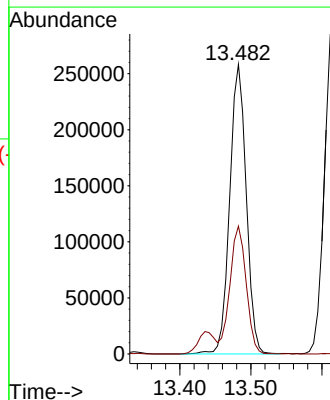
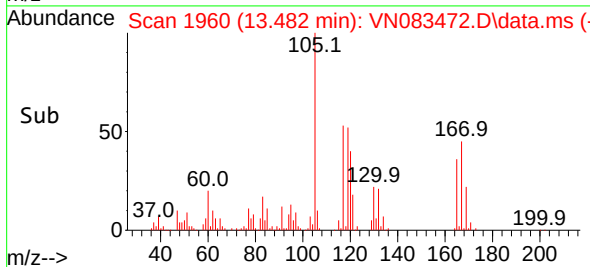
Reviewed By :John Carlone 08/27/2024
Supervised By :Mahesh Dadoda 08/27/2024

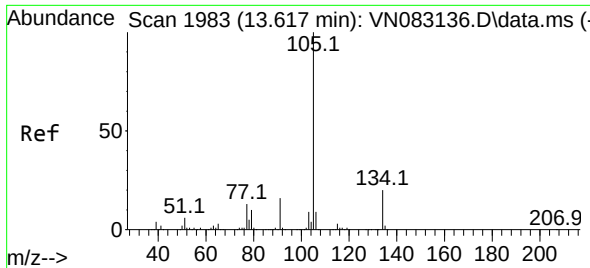


#84
1,2,4-Trimethylbenzene
Concen: 52.275 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN083472.D
Acq: 26 Aug 2024 09:56



Tgt Ion:105 Resp: 417054
Ion Ratio Lower Upper
105 100
120 43.7 21.9 65.8





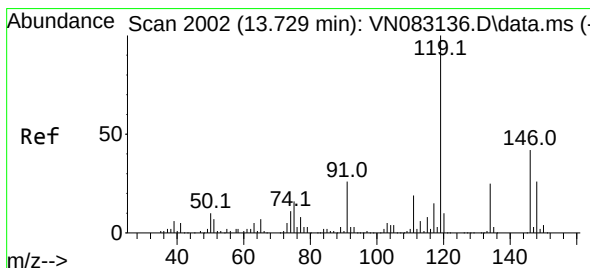
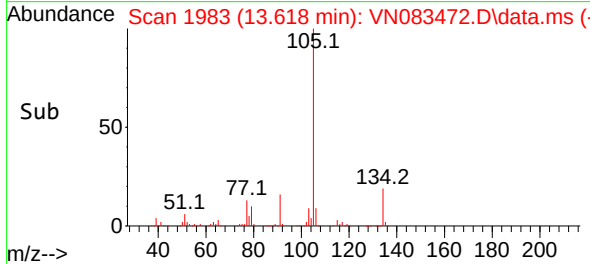
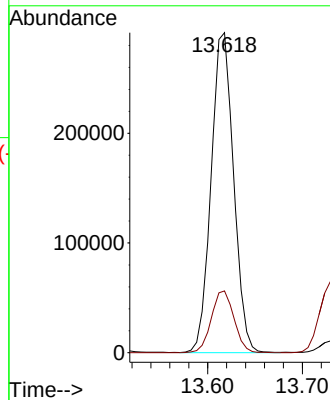
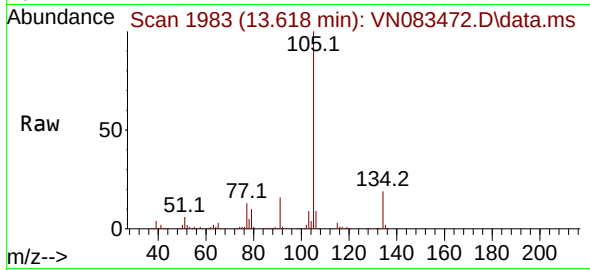
#85
sec-Butylbenzene
Concen: 50.283 ug/l
RT: 13.618 min Scan# 1983
Delta R.T. 0.000 min
Lab File: VN083472.D
Acq: 26 Aug 2024 09:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 48101
Ion Ratio Lower Upper
105 100
134 19.4 9.8 29.3

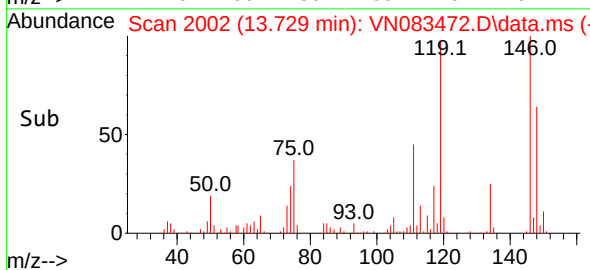
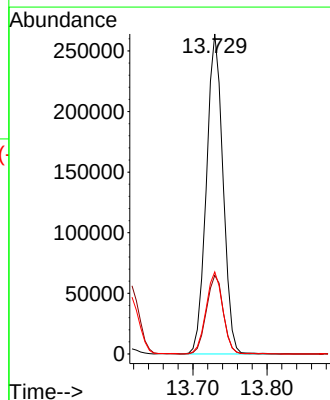
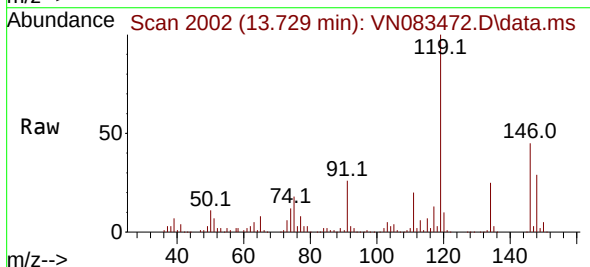
Manual Integrations
APPROVED

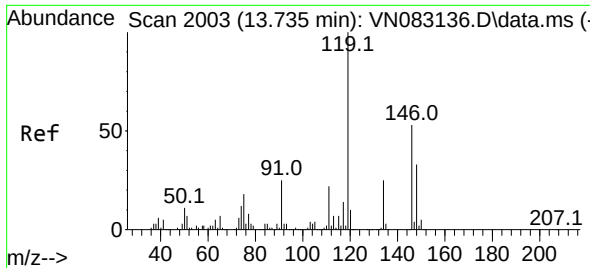
Reviewed By :John Carlone 08/27/2024
Supervised By :Mahesh Dadoda 08/27/2024



#86
p-Isopropyltoluene
Concen: 51.961 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN083472.D
Acq: 26 Aug 2024 09:56

Tgt Ion:119 Resp: 410416
Ion Ratio Lower Upper
119 100
134 25.0 13.0 39.0
91 25.8 12.3 36.9





#87

1,3-Dichlorobenzene

Concen: 52.918 ug/l

RT: 13.735 min Scan# 2003

Delta R.T. 0.000 min

Lab File: VN083472.D

Acq: 26 Aug 2024 09:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

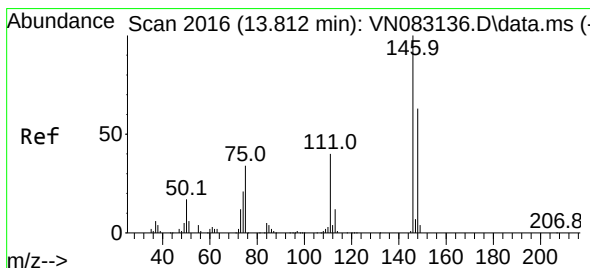
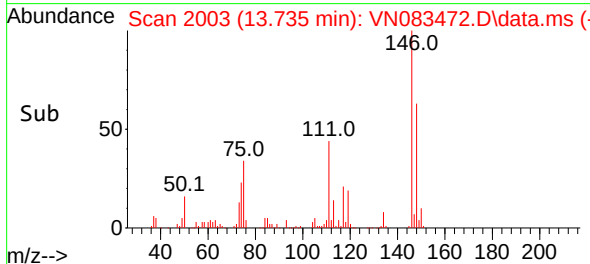
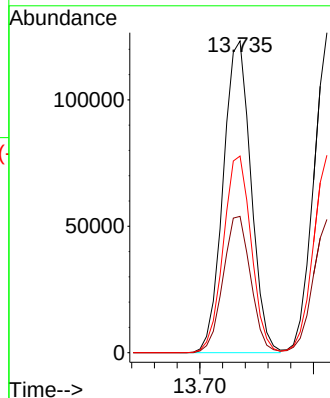
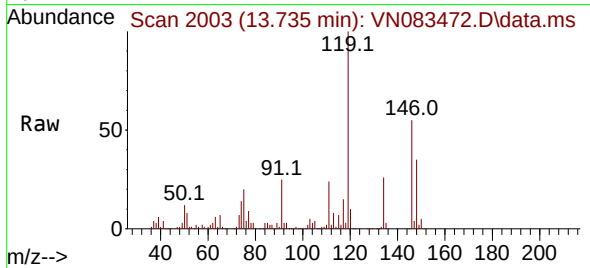
Tgt Ion:	146	Resp:	209150
Ion Ratio	Lower	Upper	
146	100		
111	43.4	20.6	61.9
148	63.4	31.8	95.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/27/2024

Supervised By :Mahesh Dadoda 08/27/2024



#88

1,4-Dichlorobenzene

Concen: 52.295 ug/l

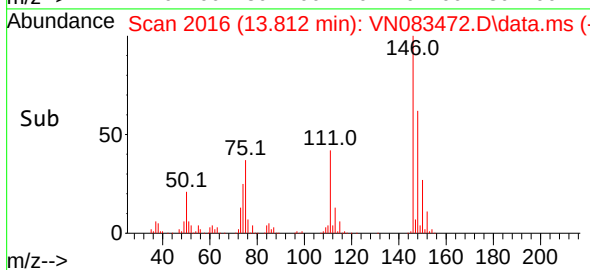
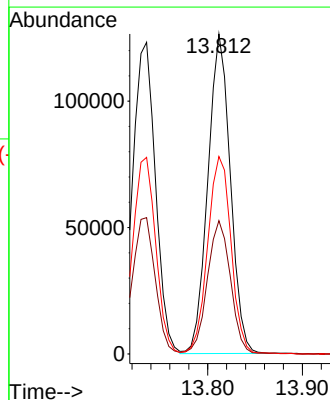
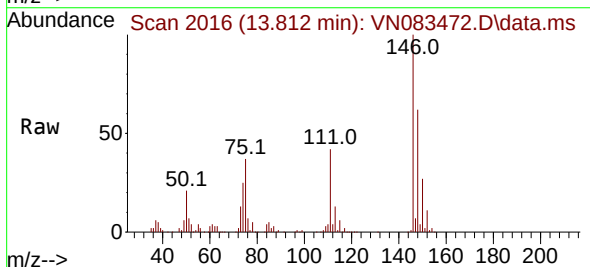
RT: 13.812 min Scan# 2016

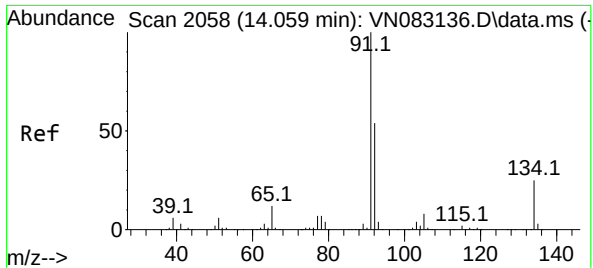
Delta R.T. 0.000 min

Lab File: VN083472.D

Acq: 26 Aug 2024 09:56

Tgt Ion:	146	Resp:	208376
Ion Ratio	Lower	Upper	
146	100		
111	42.6	20.1	60.3
148	64.6	32.2	96.6





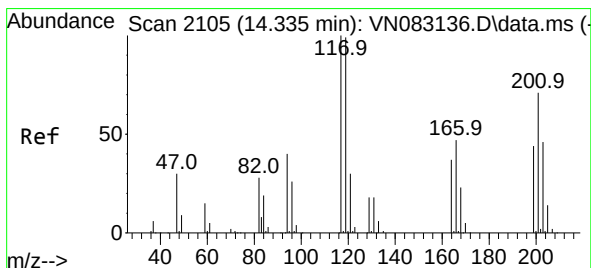
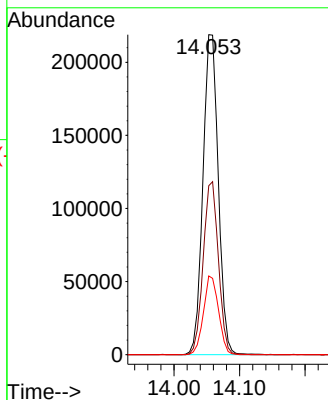
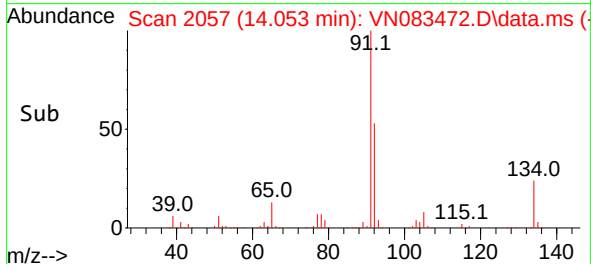
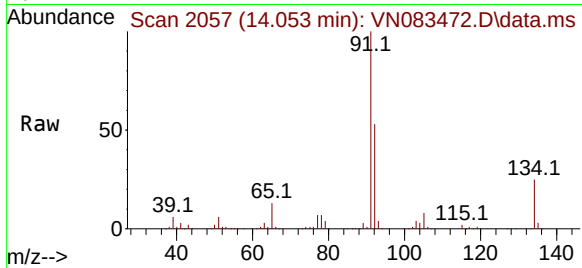
#89
n-Butylbenzene
Concen: 52.156 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. -0.006 min
Lab File: VN083472.D
Acq: 26 Aug 2024 09:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 356960
Ion Ratio Lower Upper
91 100
92 53.7 26.1 78.3
134 24.2 12.1 36.3

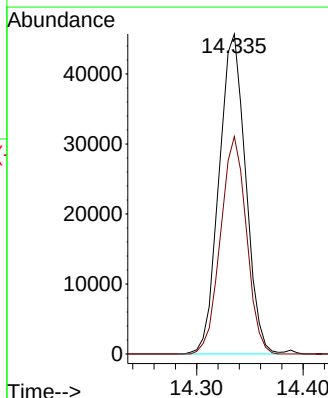
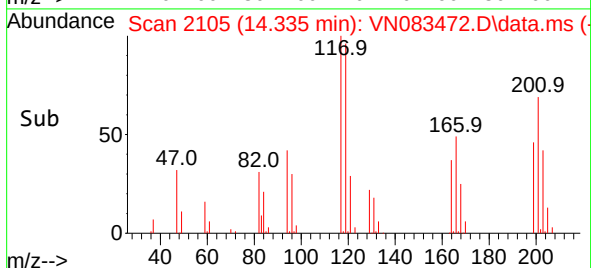
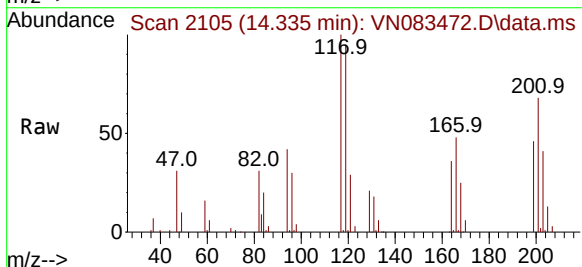
Manual Integrations
APPROVED

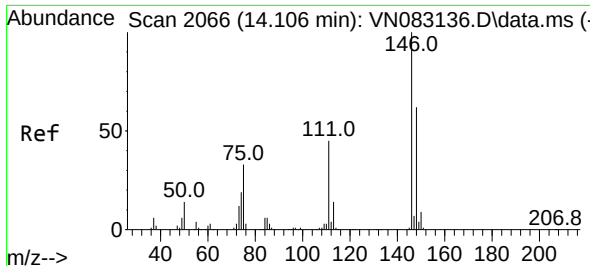
Reviewed By :John Carlone 08/27/2024
Supervised By :Mahesh Dadoda 08/27/2024



#90
Hexachloroethane
Concen: 51.889 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.000 min
Lab File: VN083472.D
Acq: 26 Aug 2024 09:56

Tgt Ion:117 Resp: 79182
Ion Ratio Lower Upper
117 100
201 66.1 35.8 107.3





#91

1,2-Dichlorobenzene

Concen: 54.327 ug/l

RT: 14.106 min Scan# 2066

Delta R.T. 0.000 min

Lab File: VN083472.D

Acq: 26 Aug 2024 09:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion:146 Resp: 20778

Ion Ratio Lower Upper

146 100

111 45.3 21.4 64.2

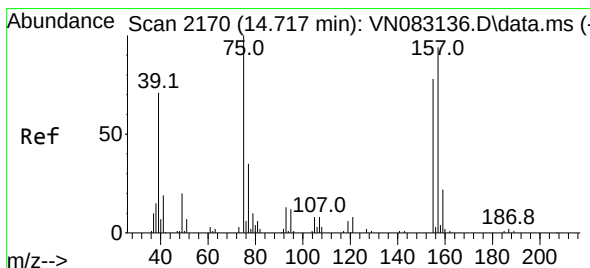
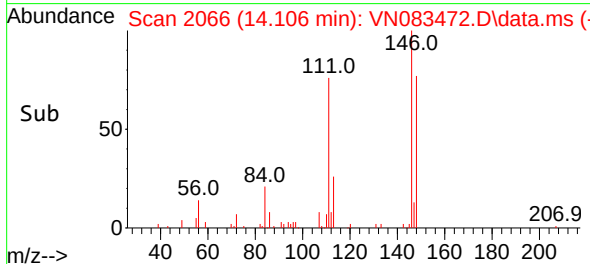
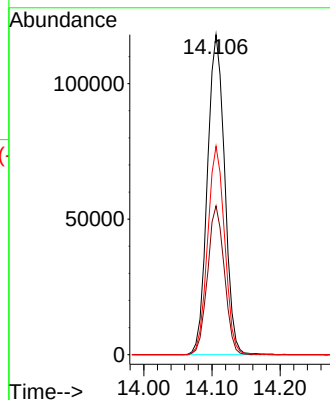
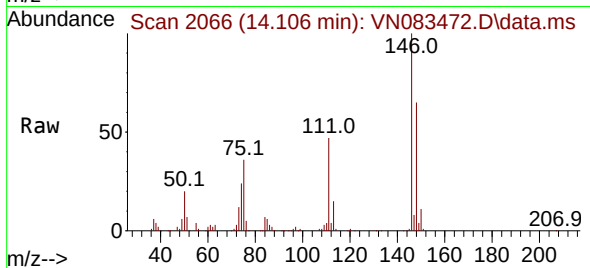
148 64.2 32.1 96.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/27/2024

Supervised By :Mahesh Dadoda 08/27/2024



#92

1,2-Dibromo-3-Chloropropane

Concen: 45.865 ug/l

RT: 14.718 min Scan# 2170

Delta R.T. 0.000 min

Lab File: VN083472.D

Acq: 26 Aug 2024 09:56

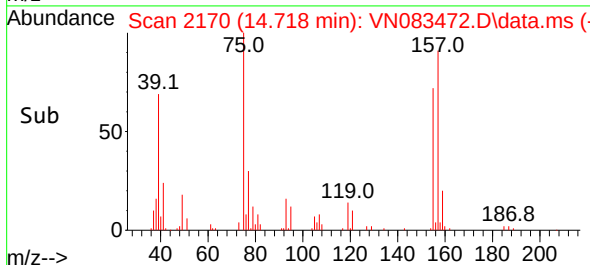
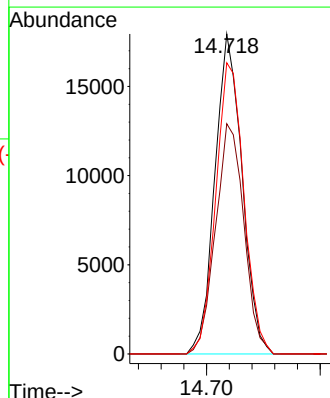
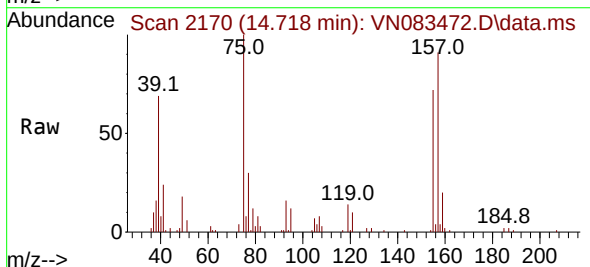
Tgt Ion: 75 Resp: 29765

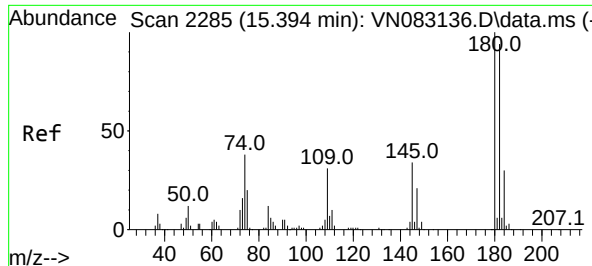
Ion Ratio Lower Upper

75 100

155 75.3 36.6 109.8

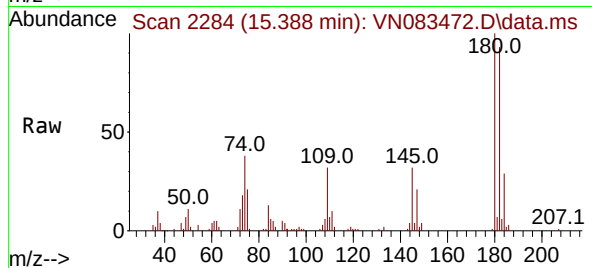
157 94.3 46.9 140.6





#93
1,2,4-Trichlorobenzene
Concen: 50.907 ug/l
RT: 15.388 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN083472.D
Acq: 26 Aug 2024 09:56

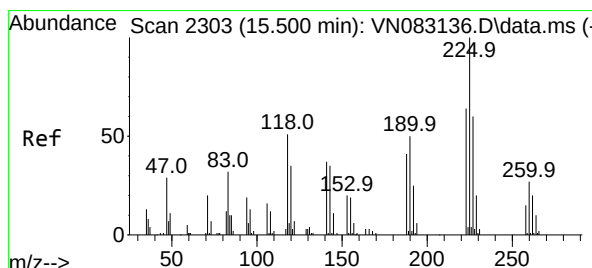
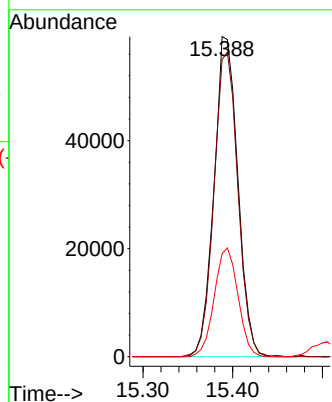
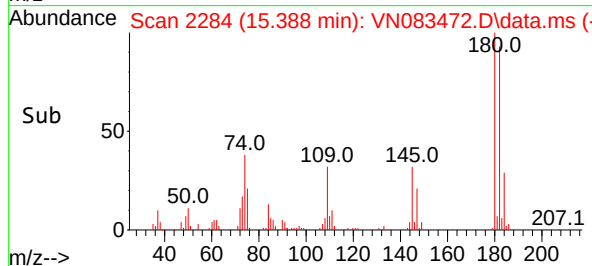
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



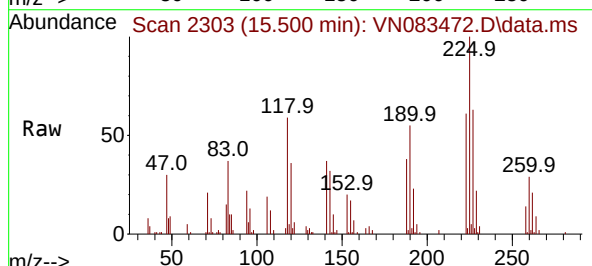
Tgt Ion:180 Resp: 109080
Ion Ratio Lower Upper
180 100
182 95.8 47.3 141.8
145 33.8 15.7 47.1

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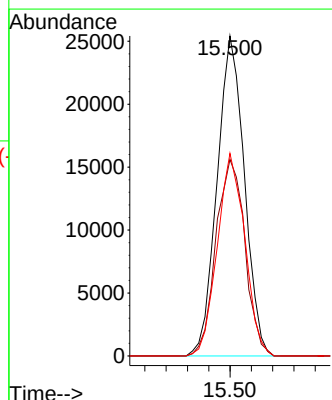
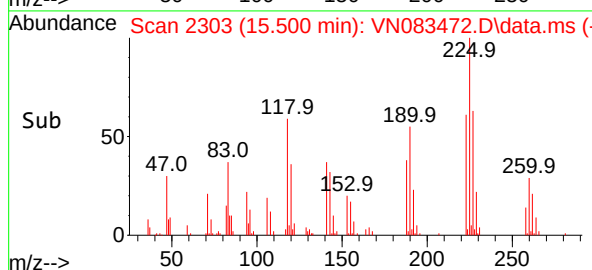
Reviewed By :John Carlone 08/27/2024
Supervised By :Mahesh Dadoda 08/27/2024

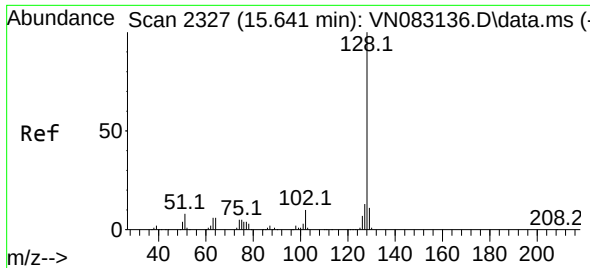


#94
Hexachlorobutadiene
Concen: 47.491 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.000 min
Lab File: VN083472.D
Acq: 26 Aug 2024 09:56



Tgt Ion:225 Resp: 45256
Ion Ratio Lower Upper
225 100
223 65.0 31.9 95.7
227 63.6 32.5 97.5





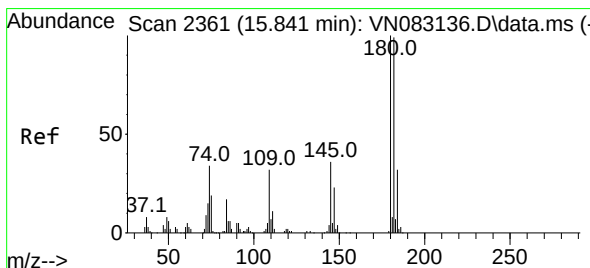
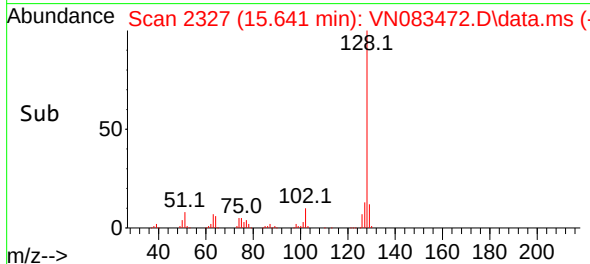
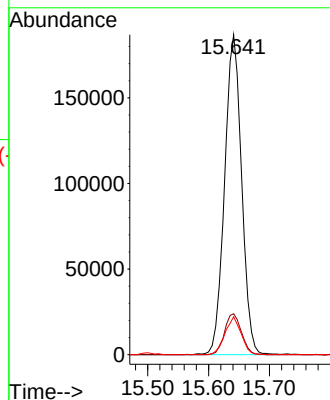
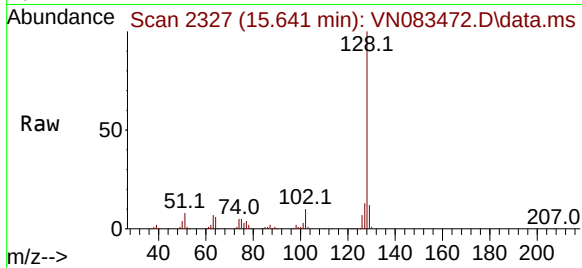
#95
Naphthalene
Concen: 47.837 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.000 min
Lab File: VN083472.D
Acq: 26 Aug 2024 09:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 363089
Ion Ratio Lower Upper
128 100
127 12.7 10.6 16.0
129 11.2 8.6 12.8

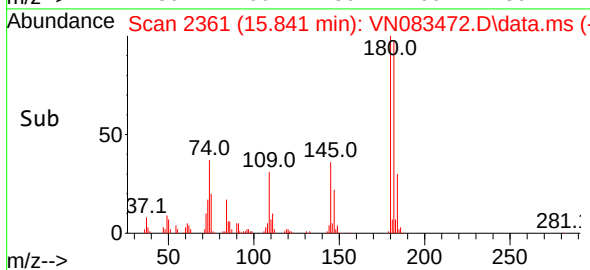
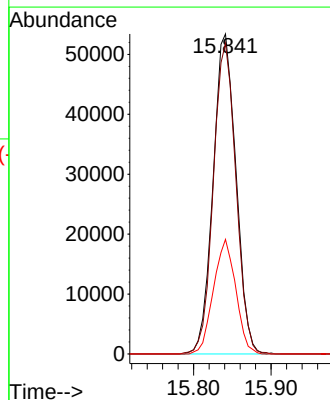
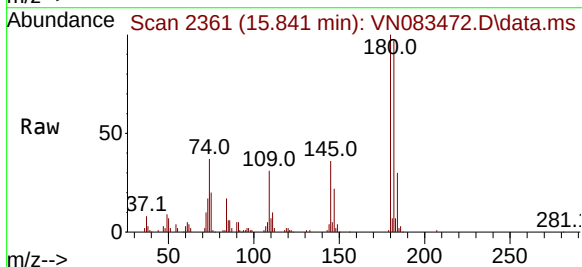
Manual Integrations
APPROVED

Reviewed By :John Carlone 08/27/2024
Supervised By :Mahesh Dadoda 08/27/2024



#96
1,2,3-Trichlorobenzene
Concen: 51.817 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.000 min
Lab File: VN083472.D
Acq: 26 Aug 2024 09:56

Tgt Ion:180 Resp: 109862
Ion Ratio Lower Upper
180 100
182 95.7 48.9 146.8
145 34.9 16.8 50.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082624\
Data File : VN083472.D
Acq On : 26 Aug 2024 09:56
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Aug 27 01:49:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 08 06:30:41 2024
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	71	0.00
2 T	Dichlorodifluoromethane	0.567	0.540	4.8	67	0.00
3 P	Chloromethane	0.581	0.611	-5.2	73	0.00
4 C	Vinyl Chloride	0.592	0.640	-8.1#	76	0.00
5 T	Bromomethane	0.368	0.332	9.8	66	-0.05
6 T	Chloroethane	0.371	0.439	-18.3	87	-0.04
7 T	Trichlorofluoromethane	0.979	1.119	-14.3	80	-0.02
8 T	Diethyl Ether	0.364	0.412	-13.2	80	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.539	0.614	-13.9	79	-0.01
10 T	Methyl Iodide	0.710	0.803	-13.1	77	-0.02
11 T	Tert butyl alcohol	0.148	0.144	2.7	69	0.00
12 CM	1,1-Dichloroethene	0.554	0.583	-5.2#	76	-0.01
13 T	Acrolein	0.096	0.113	-17.7	79	-0.01
14 T	Allyl chloride	1.047	1.101	-5.2	84	0.00
15 T	Acrylonitrile	0.304	0.325	-6.9	75	0.00
16 T	Acetone	0.278	0.334	-20.1	83	0.00
17 T	Carbon Disulfide	1.622	1.566	3.5	71	-0.02
18 T	Methyl Acetate	0.830	0.856	-3.1	78	0.00
19 T	Methyl tert-butyl Ether	2.001	2.229	-11.4	78	0.00
20 T	Methylene Chloride	0.641	0.683	-6.6	81	-0.01
21 T	trans-1,2-Dichloroethene	0.573	0.617	-7.7	76	-0.01
22 T	Diisopropyl ether	1.969	2.288	-16.2	81	0.00
23 T	Vinyl Acetate	2.018	2.359	-16.9	80	0.00
24 P	1,1-Dichloroethane	1.073	1.254	-16.9	82	0.00
25 T	2-Butanone	0.428	0.454	-6.1	75	0.00
26 T	2,2-Dichloropropane	0.997	1.154	-15.7	80	0.00
27 T	cis-1,2-Dichloroethene	0.691	0.768	-11.1	79	0.00
28 T	Bromochloromethane	0.439	0.479	-9.1	78	0.00
29 T	Tetrahydrofuran	0.276	0.284	-2.9	72	0.00
30 C	Chloroform	1.115	1.312	-17.7#	82	0.00
31 T	Cyclohexane	1.055	1.070	-1.4	77	0.00
32 T	1,1,1-Trichloroethane	1.055	1.216	-15.3	80	0.00
33 S	1,2-Dichloroethane-d4	0.712	0.879	-23.5	84	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	71	0.00
35 S	Dibromofluoromethane	0.312	0.382	-22.4	82	0.00
36 T	1,1-Dichloropropene	0.472	0.527	-11.7	79	0.00
37 T	Ethyl Acetate	0.529	0.543	-2.6	78	0.00
38 T	Carbon Tetrachloride	0.532	0.616	-15.8	80	0.00
39 T	Methylcyclohexane	0.580	0.629	-8.4	75	0.00
40 TM	Benzene	1.406	1.620	-15.2	80	0.00
41 T	Methacrylonitrile	0.301	0.306	-1.7	77	0.00
42 TM	1,2-Dichloroethane	0.512	0.611	-19.3	84	0.00
43 T	Isopropyl Acetate	1.211	0.960	20.7	74	0.00
44 TM	Trichloroethene	0.335	0.376	-12.2	78	0.00
45 C	1,2-Dichloropropane	0.334	0.400	-19.8#	83	0.00
46 T	Dibromomethane	0.239	0.287	-20.1	82	0.00
47 T	Bromodichloromethane	0.537	0.628	-16.9	83	0.00
48 T	Methyl methacrylate	0.437	0.451	-3.2	76	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082624\
Data File : VN083472.D
Acq On : 26 Aug 2024 09:56
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Aug 27 01:49:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 08 06:30:41 2024
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	0.008	0.008	0.0	67	0.00
50 S	Toluene-d8	1.164	1.347	-15.7	76	0.00
51 T	4-Methyl-2-Pentanone	0.500	0.531	-6.2	73	0.00
52 CM	Toluene	0.889	1.026	-15.4#	79	0.00
53 T	t-1,3-Dichloropropene	0.551	0.645	-17.1	77	0.00
54 T	cis-1,3-Dichloropropene	0.586	0.675	-15.2	79	0.00
55 T	1,1,2-Trichloroethane	0.318	0.376	-18.2	80	0.00
56 T	Ethyl methacrylate	0.600	0.655	-9.2	75	0.00
57 T	1,3-Dichloropropane	0.568	0.664	-16.9	80	0.00
58 T	2-Chloroethyl Vinyl ether	0.254	0.237	6.7	65	0.00
59 T	2-Hexanone	0.387	0.402	-3.9	72	0.00
60 T	Dibromochloromethane	0.385	0.461	-19.7	80	0.00
61 T	1,2-Dibromoethane	0.335	0.387	-15.5	80	0.00
62 S	4-Bromofluorobenzene	0.454	0.542	-19.4	79	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	72	0.00
64 T	Tetrachloroethene	0.331	0.363	-9.7	77	0.00
65 PM	Chlorobenzene	1.105	1.228	-11.1	78	0.00
66 T	1,1,1,2-Tetrachloroethane	0.390	0.438	-12.3	80	0.00
67 C	Ethyl Benzene	2.027	2.259	-11.4#	79	0.00
68 T	m/p-Xylenes	0.759	0.849	-11.9	78	0.00
69 T	o-Xylene	0.749	0.826	-10.3	77	0.00
70 T	Styrene	1.258	1.413	-12.3	77	0.00
71 P	Bromoform	0.295	0.337	-14.2	77	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	79	0.00
73 T	Isopropylbenzene	4.182	4.250	-1.6	79	0.00
74 T	N-amyl acetate	2.046	1.870	8.6	74	0.00
75 P	1,1,2,2-Tetrachloroethane	1.183	1.223	-3.4	83	0.00
76 T	1,2,3-Trichloropropane	1.097	1.066	2.8	79	0.00
77 T	Bromobenzene	0.929	0.971	-4.5	80	0.00
78 T	n-propylbenzene	4.816	4.838	-0.5	77	0.00
79 T	2-Chlorotoluene	3.053	3.045	0.3	78	0.00
80 T	1,3,5-Trimethylbenzene	3.501	3.587	-2.5	79	0.00
81 T	trans-1,4-Dichloro-2-butene	0.504	0.454	9.9	73	0.00
82 T	4-Chlorotoluene	3.062	3.119	-1.9	79	0.00
83 T	tert-Butylbenzene	3.101	3.129	-0.9	78	0.00
84 T	1,2,4-Trimethylbenzene	3.529	3.689	-4.5	80	0.00
85 T	sec-Butylbenzene	4.231	4.255	-0.6	76	0.00
86 T	p-Isopropyltoluene	3.493	3.630	-3.9	78	0.00
87 T	1,3-Dichlorobenzene	1.748	1.850	-5.8	82	0.00
88 T	1,4-Dichlorobenzene	1.762	1.843	-4.6	81	0.00
89 T	n-Butylbenzene	3.027	3.158	-4.3	77	0.00
90 T	Hexachloroethane	0.675	0.700	-3.7	80	0.00
91 T	1,2-Dichlorobenzene	1.692	1.838	-8.6	85	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.287	0.263	8.4	74	0.00
93 T	1,2,4-Trichlorobenzene	0.948	0.965	-1.8	77	0.00
94 T	Hexachlorobutadiene	0.421	0.400	5.0	77	0.00
95 T	Naphthalene	3.357	3.212	4.3	73	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082624\
Data File : VN083472.D
Acq On : 26 Aug 2024 09:56
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Aug 27 01:49:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 08 06:30:41 2024
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	0.938	0.972	-3.6	80	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082624\
Data File : VN083472.D
Acq On : 26 Aug 2024 09:56
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Aug 27 01:49:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 08 06:30:41 2024
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	71	0.00
2 T	Dichlorodifluoromethane	50.000	47.609	4.8	67	0.00
3 P	Chloromethane	50.000	52.640	-5.3	73	0.00
4 C	Vinyl Chloride	50.000	53.994	-8.0#	76	0.00
5 T	Bromomethane	50.000	45.223	9.6	66	-0.05
6 T	Chloroethane	50.000	59.215	-18.4	87	-0.04
7 T	Trichlorofluoromethane	50.000	57.181	-14.4	80	-0.02
8 T	Diethyl Ether	50.000	56.597	-13.2	80	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	56.860	-13.7	79	-0.01
10 T	Methyl Iodide	50.000	56.561	-13.1	77	-0.02
11 T	Tert butyl alcohol	250.000	242.688	2.9	69	0.00
12 CM	1,1-Dichloroethene	50.000	52.590	-5.2#	76	-0.01
13 T	Acrolein	250.000	293.561	-17.4	79	-0.01
14 T	Allyl chloride	50.000	52.549	-5.1	84	0.00
15 T	Acrylonitrile	250.000	267.002	-6.8	75	0.00
16 T	Acetone	250.000	300.229	-20.1	83	0.00
17 T	Carbon Disulfide	50.000	48.290	3.4	71	-0.02
18 T	Methyl Acetate	50.000	51.588	-3.2	78	0.00
19 T	Methyl tert-butyl Ether	50.000	55.709	-11.4	78	0.00
20 T	Methylene Chloride	50.000	53.262	-6.5	81	-0.01
21 T	trans-1,2-Dichloroethene	50.000	53.856	-7.7	76	-0.01
22 T	Diisopropyl ether	50.000	58.098	-16.2	81	0.00
23 T	Vinyl Acetate	250.000	292.278	-16.9	80	0.00
24 P	1,1-Dichloroethane	50.000	58.413	-16.8	82	0.00
25 T	2-Butanone	250.000	265.589	-6.2	75	0.00
26 T	2,2-Dichloropropane	50.000	57.871	-15.7	80	0.00
27 T	cis-1,2-Dichloroethene	50.000	55.572	-11.1	79	0.00
28 T	Bromochloromethane	50.000	54.665	-9.3	78	0.00
29 T	Tetrahydrofuran	250.000	257.033	-2.8	72	0.00
30 C	Chloroform	50.000	58.830	-17.7#	82	0.00
31 T	Cyclohexane	50.000	50.725	-1.5	77	0.00
32 T	1,1,1-Trichloroethane	50.000	57.589	-15.2	80	0.00
33 S	1,2-Dichloroethane-d4	50.000	61.725	-23.5	84	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	71	0.00
35 S	Dibromofluoromethane	50.000	61.212	-22.4	82	0.00
36 T	1,1-Dichloropropene	50.000	55.846	-11.7	79	0.00
37 T	Ethyl Acetate	50.000	51.374	-2.7	78	0.00
38 T	Carbon Tetrachloride	50.000	57.923	-15.8	80	0.00
39 T	Methylcyclohexane	50.000	54.225	-8.5	75	0.00
40 TM	Benzene	50.000	57.582	-15.2	80	0.00
41 T	Methacrylonitrile	50.000	50.884	-1.8	77	0.00
42 TM	1,2-Dichloroethane	50.000	59.620	-19.2	84	0.00
43 T	Isopropyl Acetate	50.000	52.560	-5.1	74	0.00
44 TM	Trichloroethene	50.000	56.094	-12.2	78	0.00
45 C	1,2-Dichloropropane	50.000	59.916	-19.8#	83	0.00
46 T	Dibromomethane	50.000	60.000	-20.0	82	0.00
47 T	Bromodichloromethane	50.000	58.530	-17.1	83	0.00
48 T	Methyl methacrylate	50.000	51.615	-3.2	76	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082624\
Data File : VN083472.D
Acq On : 26 Aug 2024 09:56
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Aug 27 01:49:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 08 06:30:41 2024
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	981.413	1.9	67	0.00
50 S	Toluene-d8	50.000	57.861	-15.7	76	0.00
51 T	4-Methyl-2-Pentanone	250.000	265.435	-6.2	73	0.00
52 CM	Toluene	50.000	57.739	-15.5#	79	0.00
53 T	t-1,3-Dichloropropene	50.000	58.491	-17.0	77	0.00
54 T	cis-1,3-Dichloropropene	50.000	57.538	-15.1	79	0.00
55 T	1,1,2-Trichloroethane	50.000	59.076	-18.2	80	0.00
56 T	Ethyl methacrylate	50.000	54.528	-9.1	75	0.00
57 T	1,3-Dichloropropane	50.000	58.456	-16.9	80	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	233.237	6.7	65	0.00
59 T	2-Hexanone	250.000	259.917	-4.0	72	0.00
60 T	Dibromochloromethane	50.000	59.883	-19.8	80	0.00
61 T	1,2-Dibromoethane	50.000	57.888	-15.8	80	0.00
62 S	4-Bromofluorobenzene	50.000	59.698	-19.4	79	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	72	0.00
64 T	Tetrachloroethene	50.000	54.817	-9.6	77	0.00
65 PM	Chlorobenzene	50.000	55.553	-11.1	78	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	56.241	-12.5	80	0.00
67 C	Ethyl Benzene	50.000	55.722	-11.4#	79	0.00
68 T	m/p-Xylenes	100.000	111.827	-11.8	78	0.00
69 T	o-Xylene	50.000	55.159	-10.3	77	0.00
70 T	Styrene	50.000	56.179	-12.4	77	0.00
71 P	Bromoform	50.000	57.118	-14.2	77	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	79	0.00
73 T	Isopropylbenzene	50.000	50.813	-1.6	79	0.00
74 T	N-amyl acetate	50.000	45.709	8.6	74	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	51.718	-3.4	83	0.00
76 T	1,2,3-Trichloropropane	50.000	48.585	2.8	79	0.00
77 T	Bromobenzene	50.000	52.254	-4.5	80	0.00
78 T	n-propylbenzene	50.000	50.232	-0.5	77	0.00
79 T	2-Chlorotoluene	50.000	49.865	0.3	78	0.00
80 T	1,3,5-Trimethylbenzene	50.000	51.230	-2.5	79	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	45.017	10.0	73	0.00
82 T	4-Chlorotoluene	50.000	50.927	-1.9	79	0.00
83 T	tert-Butylbenzene	50.000	50.456	-0.9	78	0.00
84 T	1,2,4-Trimethylbenzene	50.000	52.275	-4.5	80	0.00
85 T	sec-Butylbenzene	50.000	50.283	-0.6	76	0.00
86 T	p-Isopropyltoluene	50.000	51.961	-3.9	78	0.00
87 T	1,3-Dichlorobenzene	50.000	52.918	-5.8	82	0.00
88 T	1,4-Dichlorobenzene	50.000	52.295	-4.6	81	0.00
89 T	n-Butylbenzene	50.000	52.156	-4.3	77	0.00
90 T	Hexachloroethane	50.000	51.889	-3.8	80	0.00
91 T	1,2-Dichlorobenzene	50.000	54.327	-8.7	85	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	45.865	8.3	74	0.00
93 T	1,2,4-Trichlorobenzene	50.000	50.907	-1.8	77	0.00
94 T	Hexachlorobutadiene	50.000	47.491	5.0	77	0.00
95 T	Naphthalene	50.000	47.837	4.3	73	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082624\
Data File : VN083472.D
Acq On : 26 Aug 2024 09:56
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Aug 27 01:49:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 08 06:30:41 2024
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	51.817	-3.6	80	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: P3716 SAS No.: P3716 SDG No.: P3716
 Instrument ID: MSVOA_N Calibration Date/Time: 08/27/2024 09:05
 Lab File ID: VN083496.D Init. Calib. Date(s): 08/07/2024 08/07/2024
 Heated Purge: (Y/N) N Init. Calib. Time(s): 10:33 12:34
 GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.567	0.525		-7.41	20
Chloromethane	0.581	0.604	0.1	3.96	20
Vinyl Chloride	0.592	0.649		9.63	20
Bromomethane	0.368	0.332		-9.78	20
Chloroethane	0.371	0.427		15.09	20
Trichlorofluoromethane	0.979	1.123		14.71	20
1,1,2-Trichlorotrifluoroethane	0.539	0.641		18.92	20
1,1-Dichloroethene	0.554	0.587		5.96	20
Acetone	0.278	0.310		11.51	20
Carbon Disulfide	1.622	1.500		-7.52	20
Methyl tert-butyl Ether	2.001	2.250		12.44	20
Methyl Acetate	0.830	0.899		8.31	20
Methylene Chloride	0.641	0.687		7.18	20
trans-1,2-Dichloroethene	0.573	0.608		6.11	20
1,1-Dichloroethane	1.073	1.278	0.1	19.1	20
Cyclohexane	1.055	1.071		1.52	20
2-Butanone	0.428	0.448		4.67	20
Carbon Tetrachloride	0.532	0.636		19.55	20
cis-1,2-Dichloroethene	0.691	0.781		13.02	20
Bromochloromethane	0.439	0.512		16.63	20
Chloroform	1.115	1.355		21.52	20
1,1,1-Trichloroethane	1.055	1.260		19.43	20
Methylcyclohexane	0.580	0.638		10	20
Benzene	1.406	1.658		17.92	20
1,2-Dichloroethane	0.512	0.625		22.07	20
Trichloroethene	0.335	0.379		13.13	20
1,2-Dichloropropane	0.334	0.408		22.16	20
Bromodichloromethane	0.537	0.632		17.69	20
4-Methyl-2-Pentanone	0.500	0.548		9.6	20
Toluene	0.889	1.046		17.66	20
t-1,3-Dichloropropene	0.551	0.636		15.43	20
cis-1,3-Dichloropropene	0.586	0.683		16.55	20
1,1,2-Trichloroethane	0.318	0.389		22.33	20
2-Hexanone	0.387	0.405		4.65	20
Dibromochloromethane	0.385	0.461		19.74	20
1,2-Dibromoethane	0.335	0.389		16.12	20
Tetrachloroethene	0.331	0.369		11.48	20
Chlorobenzene	1.105	1.237	0.3	11.95	20

All other compounds must meet a minimum RRF of 0.010.
 RRF of 1,4-Dioxane = Value should be divide by 1000.



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: DAYE01

Lab Code: CHEM Case No.: P3716 SAS No.: P3716 SDG No.: P3716

Instrument ID: MSVOA_N Calibration Date/Time: 08/27/2024 09:05

Lab File ID: VN083496.D Init. Calib. Date(s): 08/07/2024 08/07/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:33 12:34

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	2.027	2.303		13.62	20
m/p-Xylenes	0.759	0.867		14.23	20
o-Xylene	0.749	0.841		12.28	20
Styrene	1.258	1.425		13.27	20
Bromoform	0.295	0.334	0.1	13.22	20
Isopropylbenzene	4.182	4.290		2.58	20
1,1,2,2-Tetrachloroethane	1.183	1.247	0.3	5.41	20
1,3-Dichlorobenzene	1.748	1.851		5.89	20
1,4-Dichlorobenzene	1.762	1.838		4.31	20
1,2-Dichlorobenzene	1.692	1.843		8.92	20
1,2-Dibromo-3-Chloropropane	0.287	0.277		-3.48	20
1,2,4-Trichlorobenzene	0.948	0.975		2.85	20
1,2,3-Trichlorobenzene	0.938	0.967		3.09	20
1,2-Dichloroethane-d4	0.712	0.883		24.02	20
Dibromofluoromethane	0.312	0.374		19.87	20
Toluene-d8	1.164	1.340		15.12	20
4-Bromofluorobenzene	0.454	0.553		21.81	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\VN082724\
Data File : VN083496.D
Acq On : 27 Aug 2024 09:05
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Quant Time: Aug 28 01:39:09 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 08 06:30:41 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/28/2024
Supervised By :Mahesh Dadoda 08/28/2024

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	149795	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	255248	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	224608	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	115875	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.576	65	132227	62.015	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 124.040%	
35) Dibromofluoromethane	8.165	113	95386	59.871	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 119.740%	
50) Toluene-d8	10.565	98	342064	57.557	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 115.120%#	
62) 4-Bromofluorobenzene	12.847	95	141273	60.974	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 121.940%#	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.124	85	78644	46.297	ug/l	93
3) Chloromethane	2.359	50	90503	52.039	ug/l	96
4) Vinyl Chloride	2.518	62	97181	54.763	ug/l	99
5) Bromomethane	2.906	94	49742	45.174	ug/l	97
6) Chloroethane	3.071	64	63937	57.589	ug/l	98
7) Trichlorofluoromethane	3.471	101	168160	57.362	ug/l	98
8) Diethyl Ether	3.953	74	61119	56.028	ug/l	86
9) 1,1,2-Trichlorotrifluo...	4.359	101	95979	59.383	ug/l	97
10) Methyl Iodide	4.571	142	122771	57.745	ug/l	99
11) Tert butyl alcohol	5.536	59	103067	232.603	ug/l	99
12) 1,1-Dichloroethene	4.324	96	87917	52.946	ug/l	85
13) Acrolein	4.171	56	72524	251.131	ug/l	99
14) Allyl chloride	5.012	41	165739	52.818	ug/l	91
15) Acrylonitrile	5.718	53	244012	267.761	ug/l	99
16) Acetone	4.424	43	231912	277.969	ug/l	95
17) Carbon Disulfide	4.700	76	224697	46.247	ug/l	98
18) Methyl Acetate	5.018	43	134723	54.198	ug/l	94
19) Methyl tert-butyl Ether	5.794	73	337092	56.242	ug/l	99
20) Methylene Chloride	5.271	84	102844	53.561	ug/l	85
21) trans-1,2-Dichloroethene	5.777	96	91086	53.074	ug/l	94
22) Diisopropyl ether	6.671	45	346976	58.825	ug/l	98
23) Vinyl Acetate	6.600	43	1793204	296.602	ug/l	96
24) 1,1-Dichloroethane	6.565	63	191495	59.562	ug/l	97
25) 2-Butanone	7.482	43	335282	261.723	ug/l	94
26) 2,2-Dichloropropane	7.488	77	176393	59.078	ug/l	99
27) cis-1,2-Dichloroethene	7.482	96	117021	56.506	ug/l	93
28) Bromochloromethane	7.812	49	76691	58.369	ug/l	88
29) Tetrahydrofuran	7.841	42	215328	260.021	ug/l	89
30) Chloroform	7.965	83	202947	60.759	ug/l	98
31) Cyclohexane	8.253	56	160405	50.765	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	188769	59.706	ug/l	96
36) 1,1-Dichloropropene	8.371	75	134069	55.629	ug/l	99
37) Ethyl Acetate	7.559	43	137476	50.946	ug/l #	94
38) Carbon Tetrachloride	8.359	117	162463	59.850	ug/l	98
39) Methylcyclohexane	9.600	83	162870	55.020	ug/l	100
40) Benzene	8.606	78	423252	58.951	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082724\
Data File : VN083496.D
Acq On : 27 Aug 2024 09:05
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Quant Time: Aug 28 01:39:09 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 08 06:30:41 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/28/2024
Supervised By :Mahesh Dadoda 08/28/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	80488	52.459	ug/l	95
42) 1,2-Dichloroethane	8.671	62	159548	61.003	ug/l	98
43) Isopropyl Acetate	8.688	43	245126	52.553	ug/l #	92
44) Trichloroethene	9.353	130	96781	56.633	ug/l	95
45) 1,2-Dichloropropane	9.623	63	104056	61.057	ug/l	100
46) Dibromomethane	9.706	93	73538	60.284	ug/l	99
47) Bromodichloromethane	9.888	83	161362	58.913	ug/l	98
48) Methyl methacrylate	9.682	41	117367	52.609	ug/l	93
49) 1,4-Dioxane	9.700	88	39045	970.093	ug/l #	79
51) 4-Methyl-2-Pentanone	10.447	43	698780	273.840	ug/l	94
52) Toluene	10.629	92	267057	58.870	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	162415	57.726	ug/l	100
54) cis-1,3-Dichloropropene	10.312	75	174231	58.221	ug/l	93
55) 1,1,2-Trichloroethane	11.018	97	99189	61.013	ug/l	97
56) Ethyl methacrylate	10.870	69	167069	54.513	ug/l	89
57) 1,3-Dichloropropane	11.165	76	173794	59.977	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	366342	282.786	ug/l	97
59) 2-Hexanone	11.194	43	516860	261.813	ug/l	94
60) Dibromochloromethane	11.359	129	117658	59.860	ug/l	98
61) 1,2-Dibromoethane	11.470	107	99240	58.110	ug/l	99
64) Tetrachloroethene	11.106	164	82983	55.786	ug/l	98
65) Chlorobenzene	11.888	112	277862	55.980	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	99907	57.071	ug/l	99
67) Ethyl Benzene	11.965	91	517319	56.814	ug/l	99
68) m/p-Xylenes	12.070	106	389457	114.182	ug/l	99
69) o-Xylene	12.400	106	188918	56.158	ug/l	98
70) Styrene	12.412	104	320072	56.650	ug/l	99
71) Bromoform	12.576	173	75019	56.568	ug/l #	100
73) Isopropylbenzene	12.694	105	497156	51.295	ug/l	100
74) N-amyl acetate	12.494	43	221017	46.620	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.941	83	144444	52.693	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	110361m	43.395	ug/l	
77) Bromobenzene	12.982	156	109538	50.877	ug/l	94
78) n-propylbenzene	13.035	91	579451	51.921	ug/l	100
79) 2-Chlorotoluene	13.123	91	365827	51.703	ug/l	97
80) 1,3,5-Trimethylbenzene	13.176	105	426453	52.556	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	58922	50.398	ug/l	88
82) 4-Chlorotoluene	13.223	91	363966	51.283	ug/l	97
83) tert-Butylbenzene	13.441	119	371766	51.735	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	434612	53.148	ug/l	97
85) sec-Butylbenzene	13.617	105	508690	51.880	ug/l	99
86) p-Isopropyltoluene	13.729	119	433534	53.549	ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	214517	52.951	ug/l	98
88) 1,4-Dichlorobenzene	13.811	146	213006	52.153	ug/l	98
89) n-Butylbenzene	14.059	91	369224	52.633	ug/l	99
90) Hexachloroethane	14.335	117	82775	52.921	ug/l	92
91) 1,2-Dichlorobenzene	14.106	146	213552	54.473	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	32048	48.179	ug/l	97
93) 1,2,4-Trichlorobenzene	15.394	180	112970	51.437	ug/l	98
94) Hexachlorobutadiene	15.500	225	48332	49.482	ug/l	97
95) Naphthalene	15.641	128	379885	48.830	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	112090	51.579	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082724\
Data File : VN083496.D
Acq On : 27 Aug 2024 09:05
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 28 01:39:09 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 08 06:30:41 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/28/2024
Supervised By :Mahesh Dadoda 08/28/2024

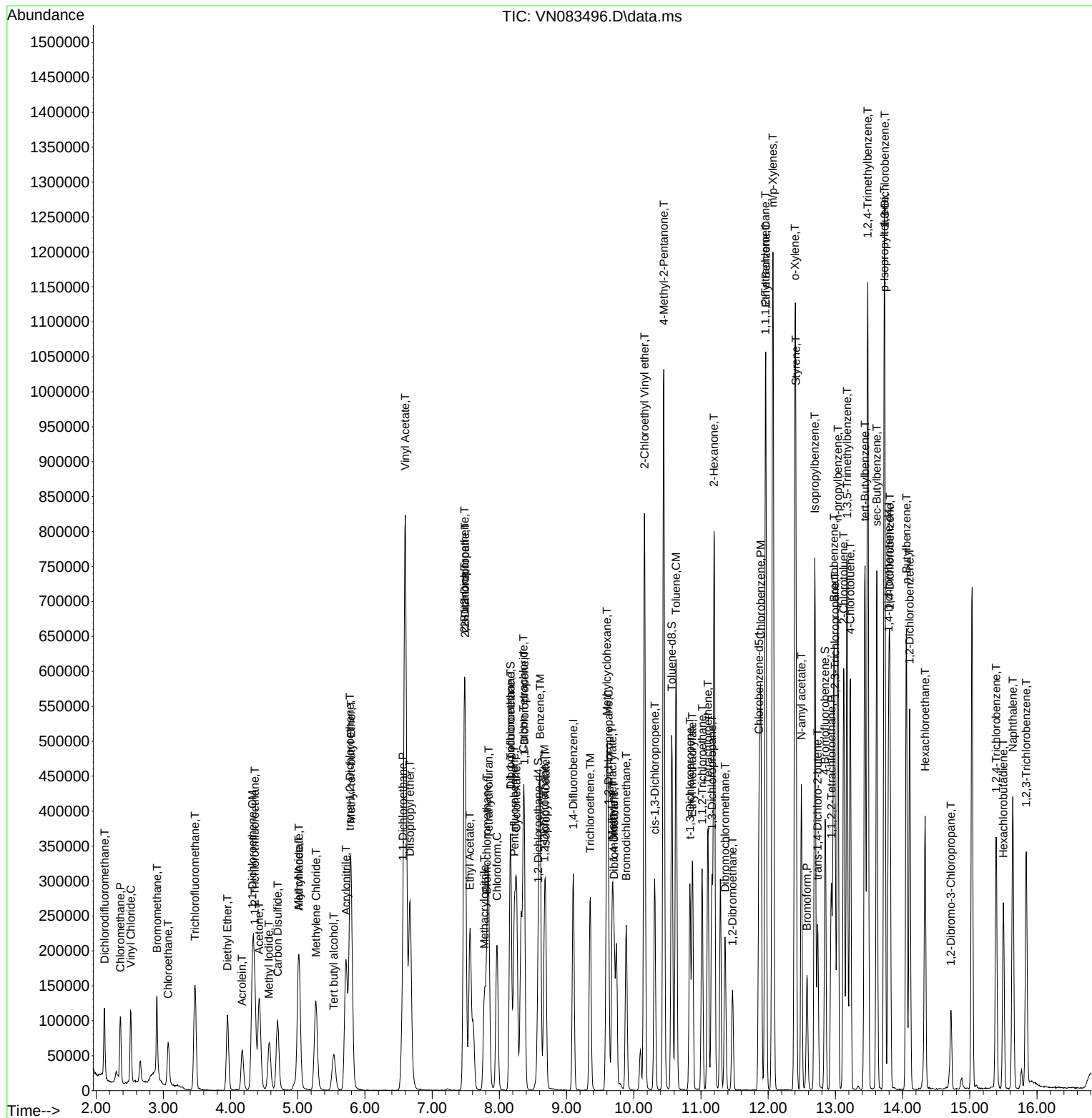
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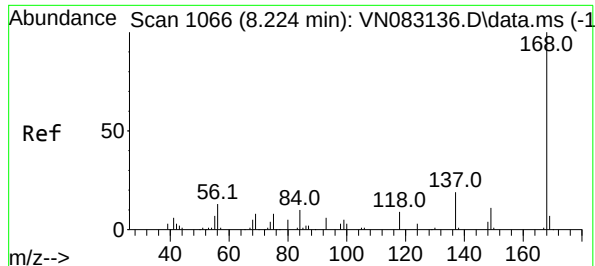
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Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

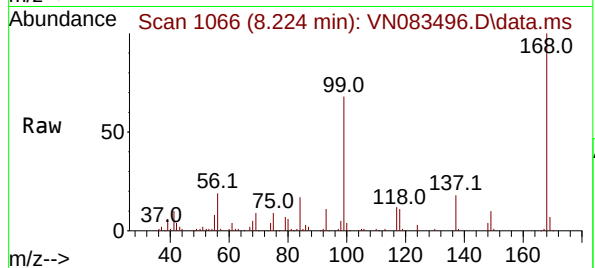
Reviewed By :John Carlone 08/28/2024
Supervised By :Mahesh Dadoda 08/28/2024





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083496.D
Acq: 27 Aug 2024 09:05

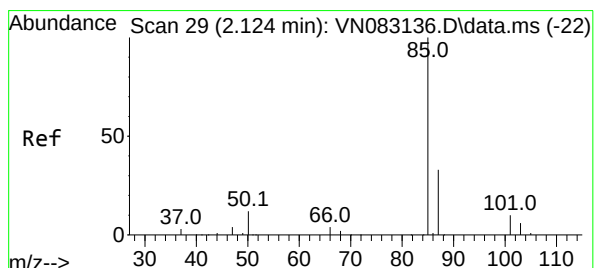
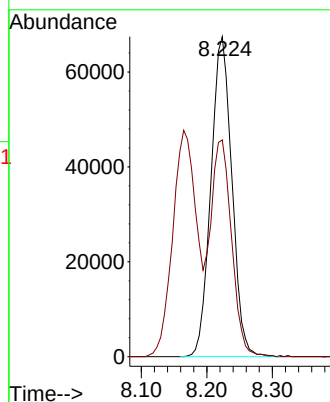
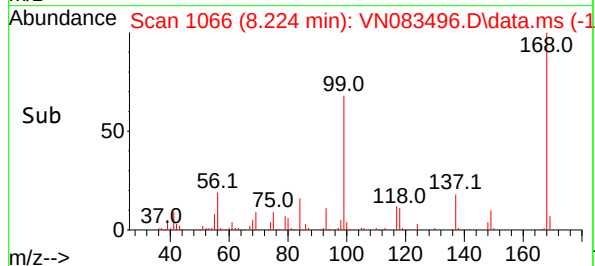
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion:168 Resp: 149795
Ion Ratio Lower Upper
168 100
99 67.3 48.2 72.4

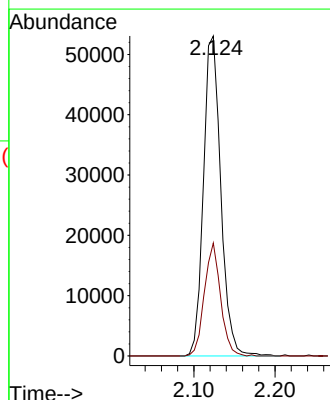
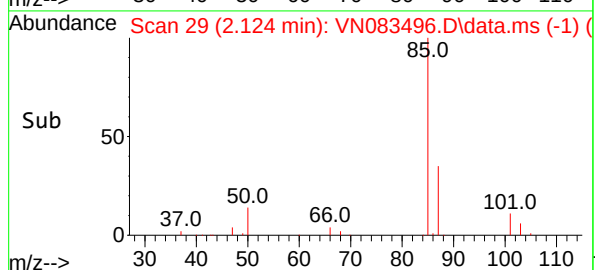
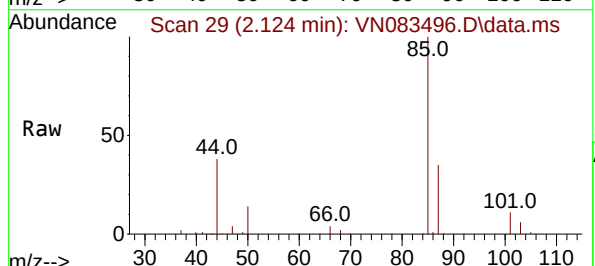
Manual Integrations
APPROVED

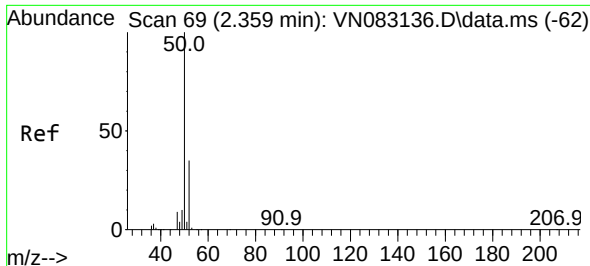
Reviewed By :John Carlone 08/28/2024
Supervised By :Mahesh Dadoda 08/28/2024



#2
Dichlorodifluoromethane
Concen: 46.297 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN083496.D
Acq: 27 Aug 2024 09:05

Tgt Ion: 85 Resp: 78644
Ion Ratio Lower Upper
85 100
87 35.3 15.7 47.0





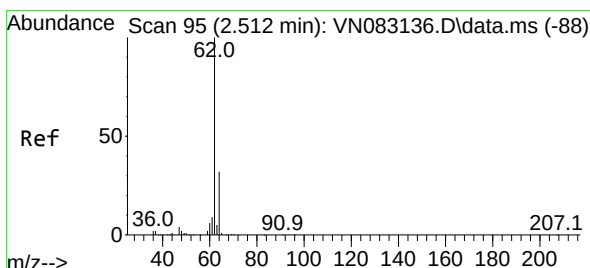
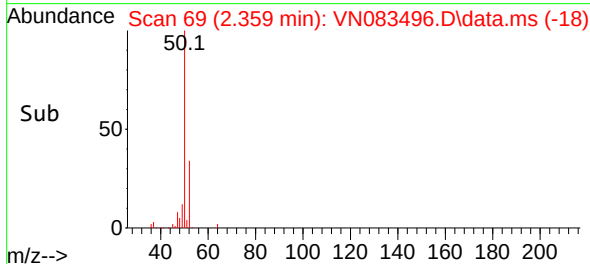
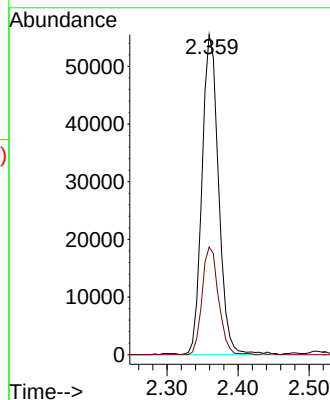
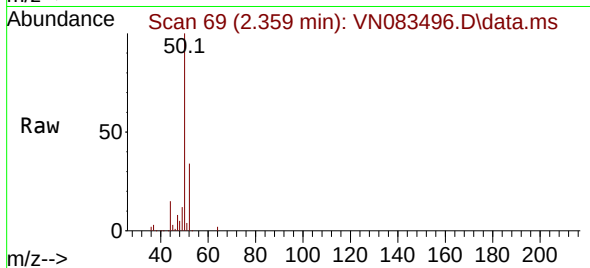
#3
Chloromethane
Concen: 52.039 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN083496.D
Acq: 27 Aug 2024 09:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 50 Resp: 9050
Ion Ratio Lower Upper
50 100
52 33.6 25.0 37.4

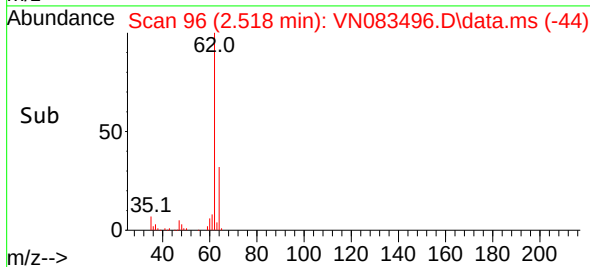
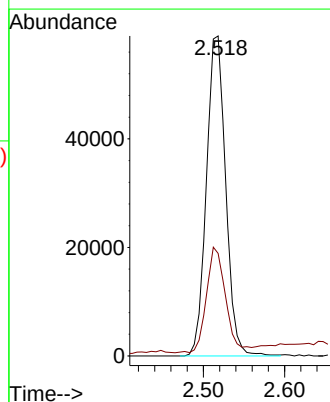
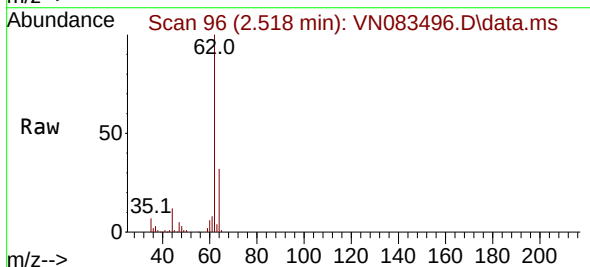
Manual Integrations
APPROVED

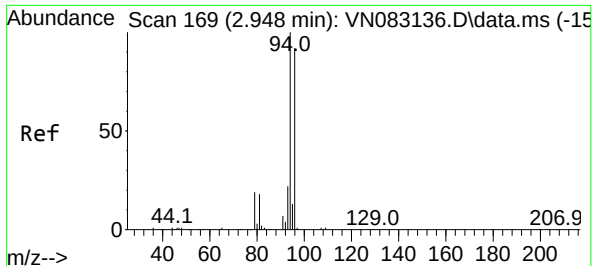
Reviewed By :John Carlone 08/28/2024
Supervised By :Mahesh Dadoda 08/28/2024



#4
Vinyl Chloride
Concen: 54.763 ug/l
RT: 2.518 min Scan# 96
Delta R.T. 0.006 min
Lab File: VN083496.D
Acq: 27 Aug 2024 09:05

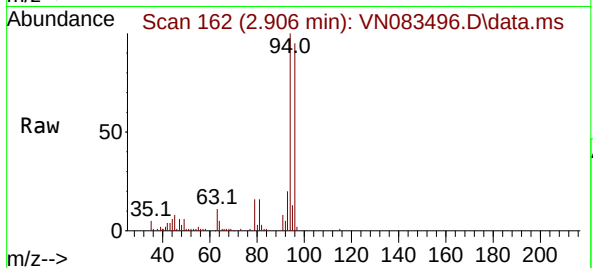
Tgt Ion: 62 Resp: 97181
Ion Ratio Lower Upper
62 100
64 30.9 25.0 37.6





#5
Bromomethane
Concen: 45.174 ug/l
RT: 2.906 min Scan# 1
Delta R.T. -0.041 min
Lab File: VN083496.D
Acq: 27 Aug 2024 09:05

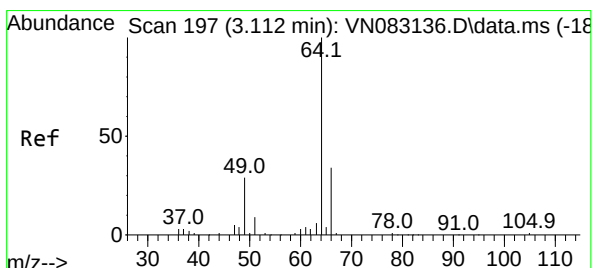
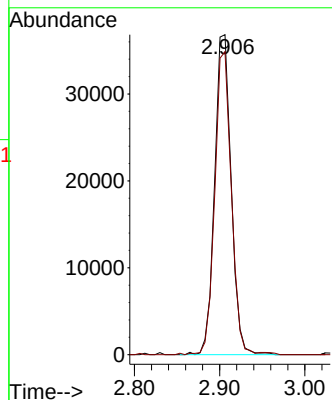
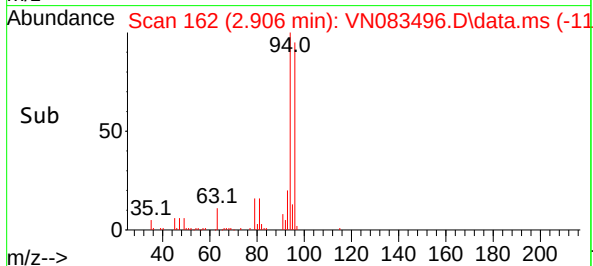
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 94 Resp: 4974
Ion Ratio Lower Upper
94 100
96 94.7 78.0 117.0

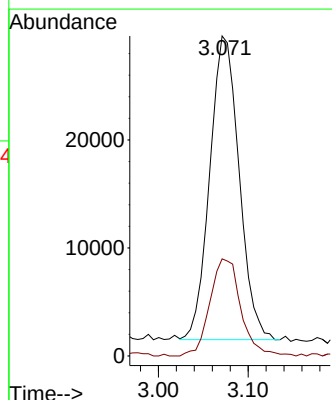
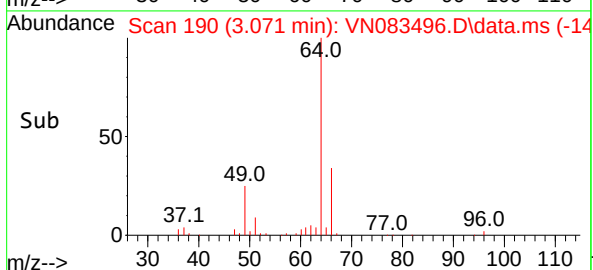
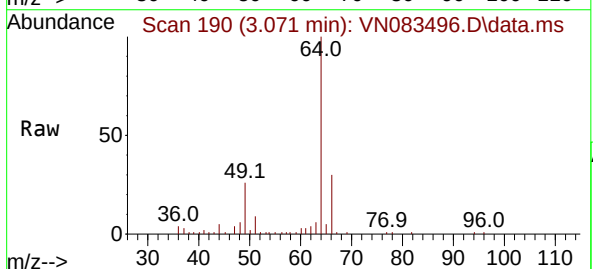
Manual Integrations
APPROVED

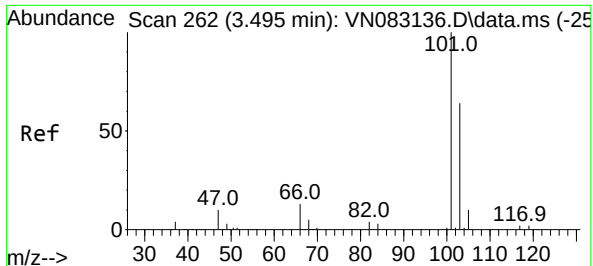
Reviewed By :John Carlone 08/28/2024
Supervised By :Mahesh Dadoda 08/28/2024



#6
Chloroethane
Concen: 57.589 ug/l
RT: 3.071 min Scan# 190
Delta R.T. -0.041 min
Lab File: VN083496.D
Acq: 27 Aug 2024 09:05

Tgt Ion: 64 Resp: 63937
Ion Ratio Lower Upper
64 100
66 32.0 26.6 40.0





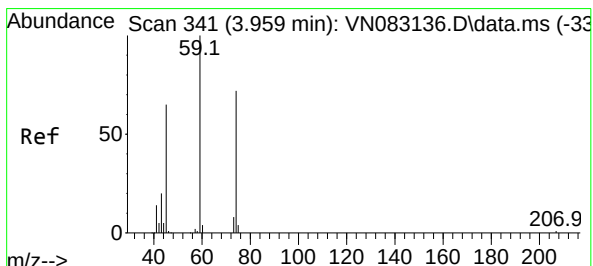
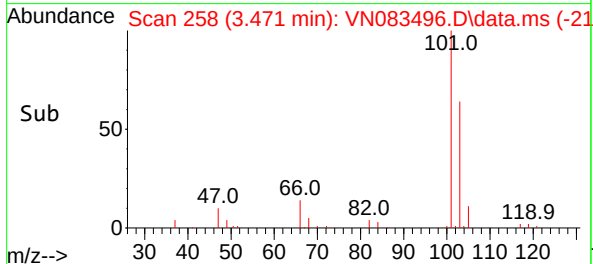
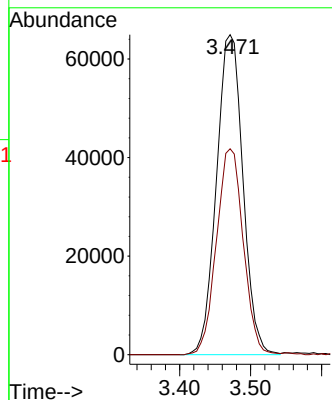
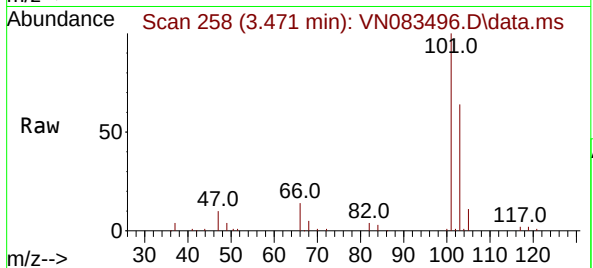
#7
Trichlorofluoromethane
Concen: 57.362 ug/l
RT: 3.471 min Scan# 21
Delta R.T. -0.024 min
Lab File: VN083496.D
Acq: 27 Aug 2024 09:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 168160
Ion Ratio Lower Upper
101 100
103 64.4 52.7 79.1

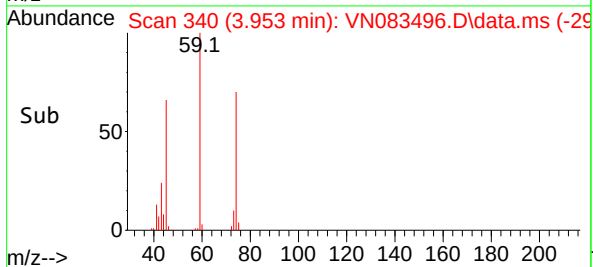
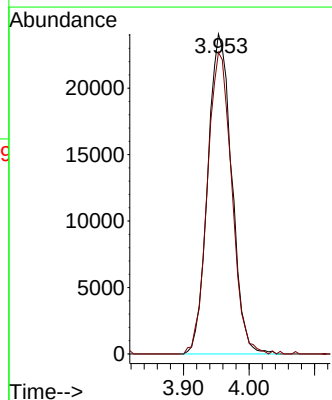
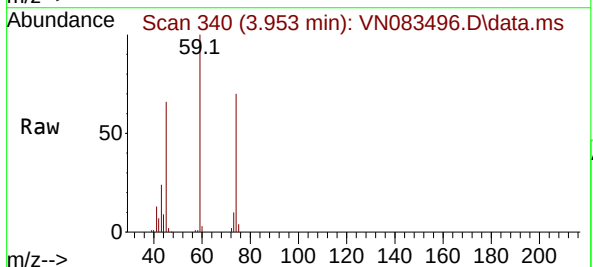
Manual Integrations
APPROVED

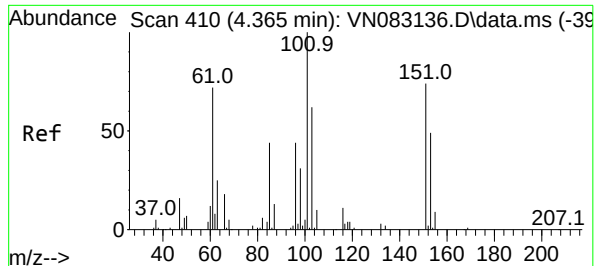
Reviewed By :John Carlone 08/28/2024
Supervised By :Mahesh Dadoda 08/28/2024



#8
Diethyl Ether
Concen: 56.028 ug/l
RT: 3.953 min Scan# 340
Delta R.T. -0.006 min
Lab File: VN083496.D
Acq: 27 Aug 2024 09:05

Tgt Ion: 74 Resp: 61119
Ion Ratio Lower Upper
74 100
45 95.7 55.5 166.3





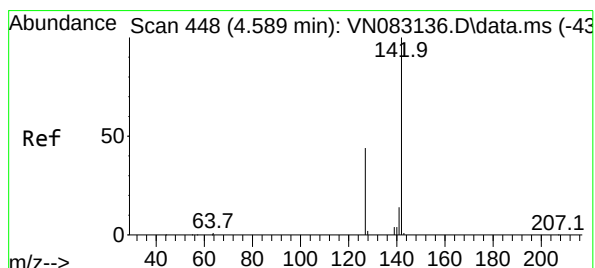
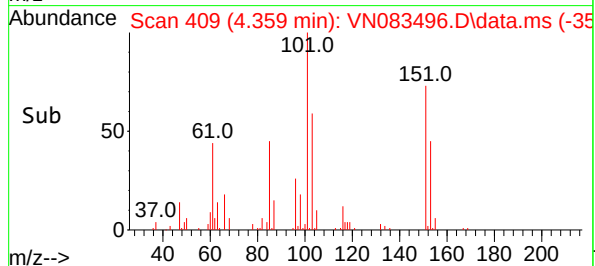
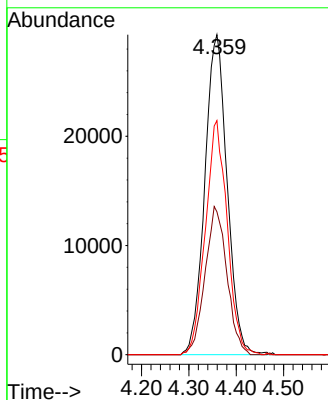
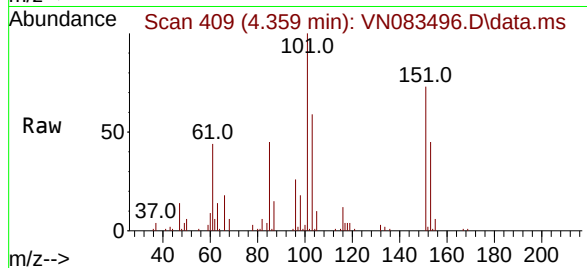
#9
1,1,2-Trichlorotrifluoroethane
Concen: 59.383 ug/l
RT: 4.359 min Scan# 409
Delta R.T. -0.006 min
Lab File: VN083496.D
Acq: 27 Aug 2024 09:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 95979
Ion Ratio Lower Upper
101 100
85 45.4 38.3 57.5
151 71.6 59.3 88.9

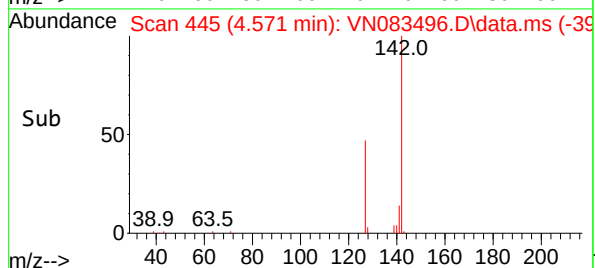
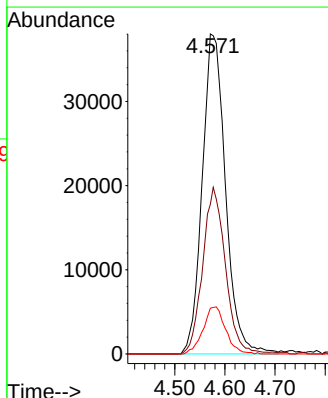
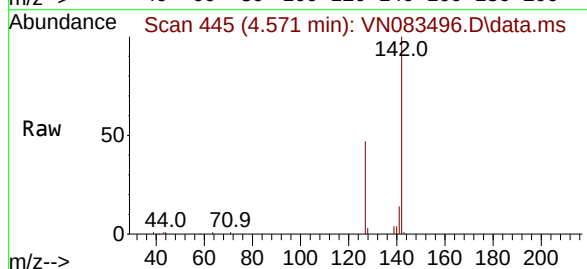
Manual Integrations
APPROVED

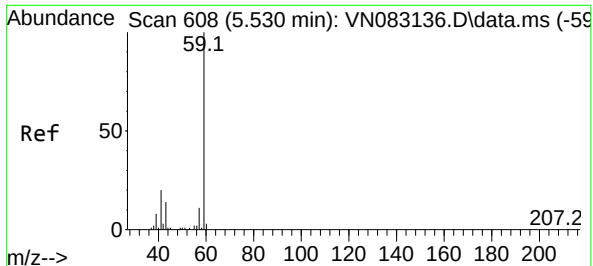
Reviewed By :John Carlone 08/28/2024
Supervised By :Mahesh Dadoda 08/28/2024



#10
Methyl Iodide
Concen: 57.745 ug/l
RT: 4.571 min Scan# 445
Delta R.T. -0.018 min
Lab File: VN083496.D
Acq: 27 Aug 2024 09:05

Tgt Ion:142 Resp: 122771
Ion Ratio Lower Upper
142 100
127 46.8 37.5 56.3
141 14.3 13.1 19.7





#11

Tert butyl alcohol

Concen: 232.603 ug/l

RT: 5.536 min Scan# 608

Delta R.T. 0.006 min

Lab File: VN083496.D

Acq: 27 Aug 2024 09:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 59 Resp: 10306

Ion Ratio Lower Upper

59 100

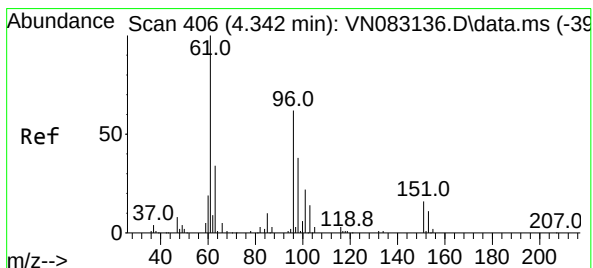
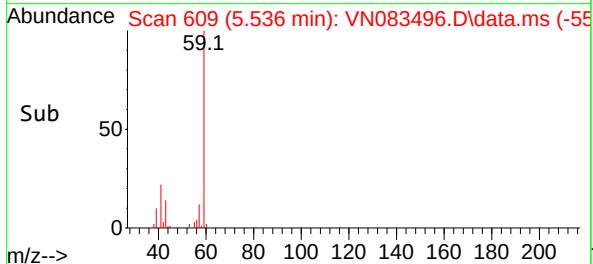
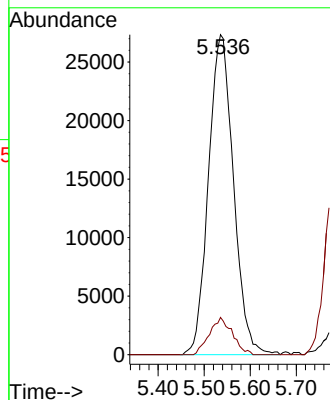
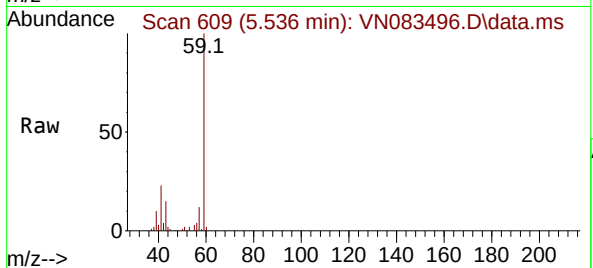
57 10.7 8.9 13.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/28/2024

Supervised By :Mahesh Dadoda 08/28/2024



#12

1,1-Dichloroethene

Concen: 52.946 ug/l

RT: 4.324 min Scan# 403

Delta R.T. -0.018 min

Lab File: VN083496.D

Acq: 27 Aug 2024 09:05

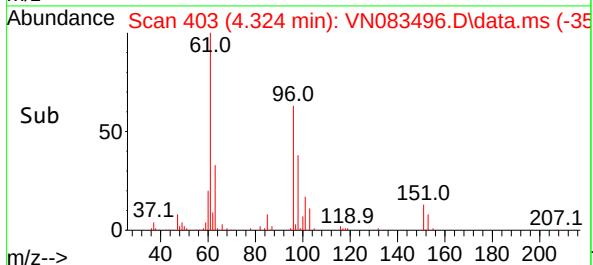
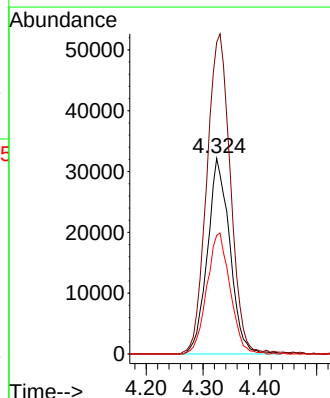
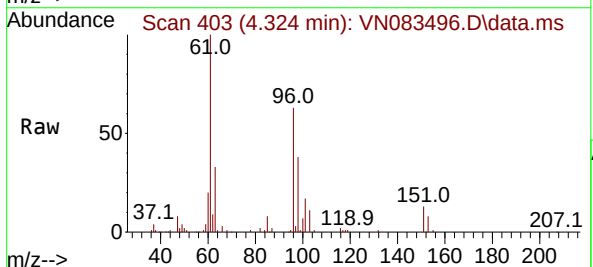
Tgt Ion: 96 Resp: 87917

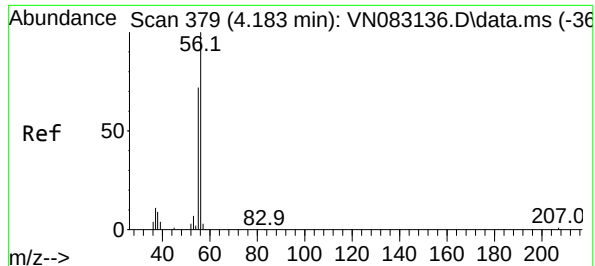
Ion Ratio Lower Upper

96 100

61 159.4 149.7 224.5

98 60.6 50.1 75.1





#13

Acrolein

Concen: 251.131 ug/l

RT: 4.171 min Scan# 31

Delta R.T. -0.012 min

Lab File: VN083496.D

Acq: 27 Aug 2024 09:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDC050

Tgt Ion: 56 Resp: 72524

Ion Ratio Lower Upper

56 100

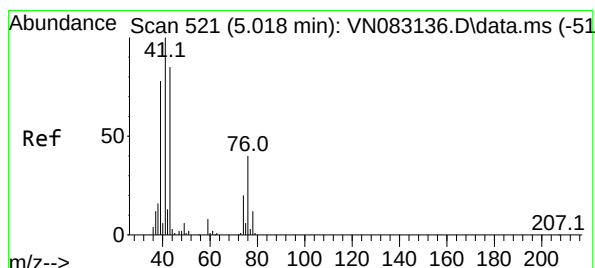
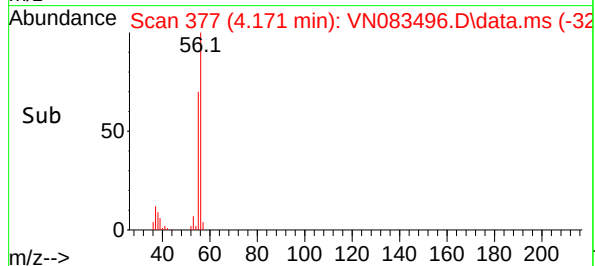
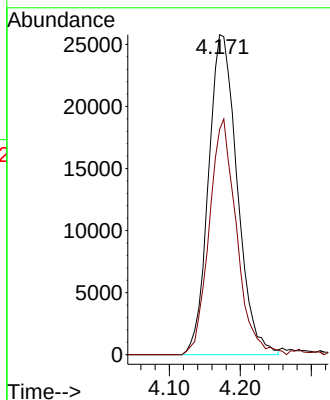
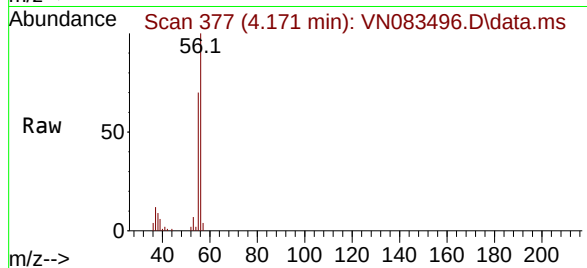
55 69.8 56.4 84.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/28/2024

Supervised By :Mahesh Dadoda 08/28/2024



#14

Allyl chloride

Concen: 52.818 ug/l

RT: 5.012 min Scan# 520

Delta R.T. -0.006 min

Lab File: VN083496.D

Acq: 27 Aug 2024 09:05

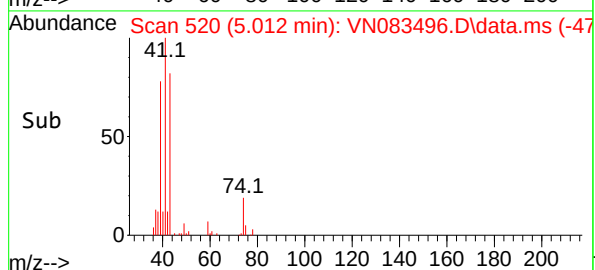
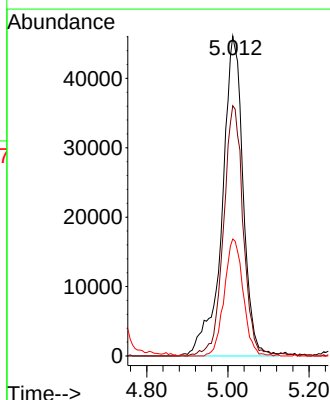
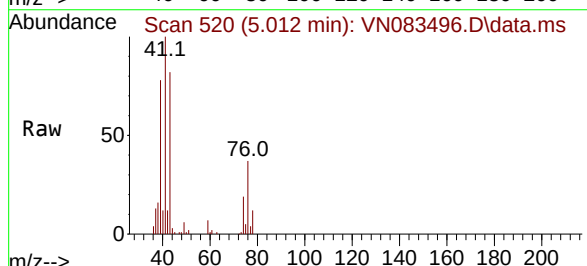
Tgt Ion: 41 Resp: 165739

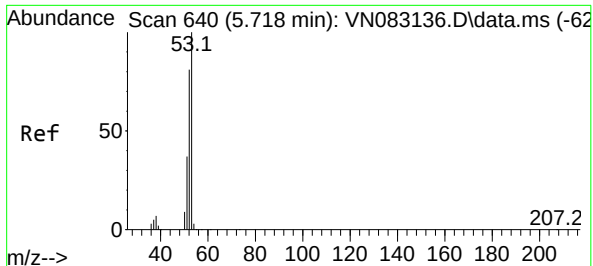
Ion Ratio Lower Upper

41 100

39 73.2 67.8 101.6

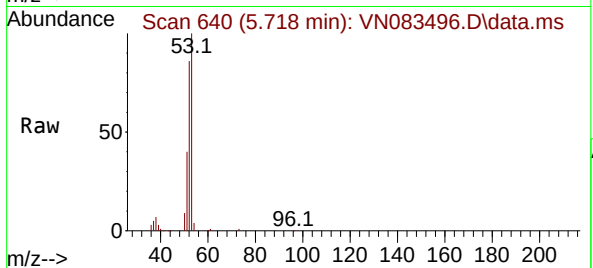
76 32.9 25.8 38.8





#15
Acrylonitrile
Concen: 267.761 ug/l
RT: 5.718 min Scan# 640
Delta R.T. -0.000 min
Lab File: VN083496.D
Acq: 27 Aug 2024 09:05

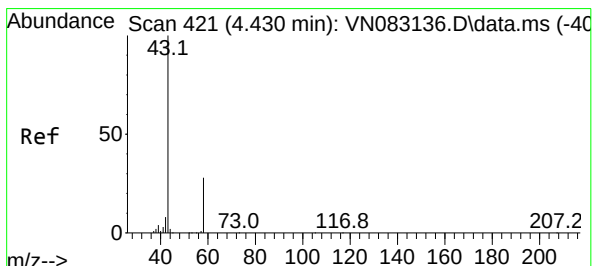
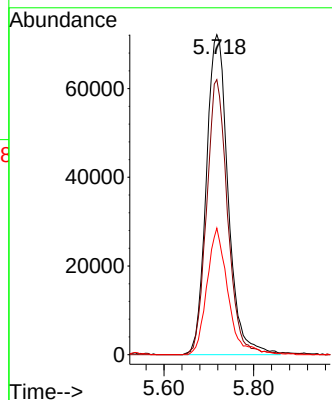
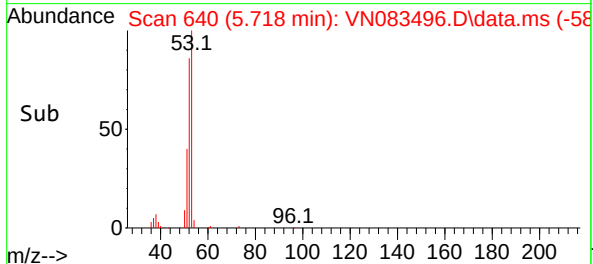
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



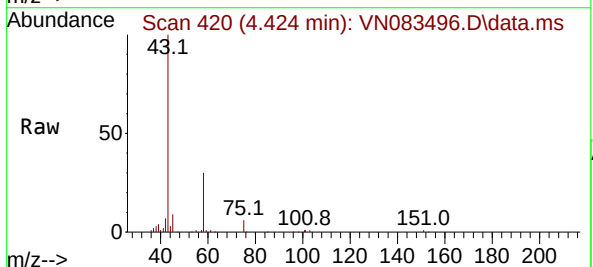
Tgt Ion: 53 Resp: 244012
Ion Ratio Lower Upper
53 100
52 82.5 66.6 100.0
51 38.2 30.1 45.1

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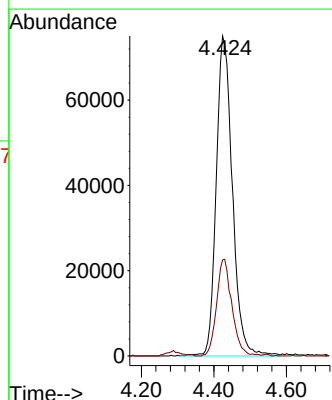
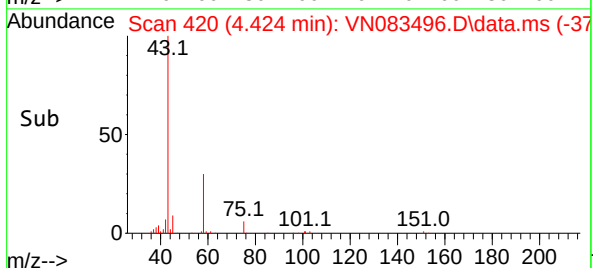
Reviewed By :John Carlone 08/28/2024
Supervised By :Mahesh Dadoda 08/28/2024

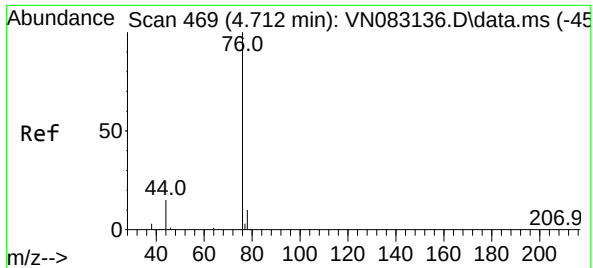


#16
Acetone
Concen: 277.969 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.006 min
Lab File: VN083496.D
Acq: 27 Aug 2024 09:05



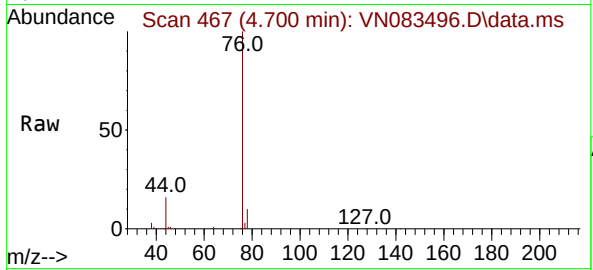
Tgt Ion: 43 Resp: 231912
Ion Ratio Lower Upper
43 100
58 30.0 21.8 32.6





#17
Carbon Disulfide
Concen: 46.247 ug/l
RT: 4.700 min Scan# 41
Delta R.T. -0.012 min
Lab File: VN083496.D
Acq: 27 Aug 2024 09:05

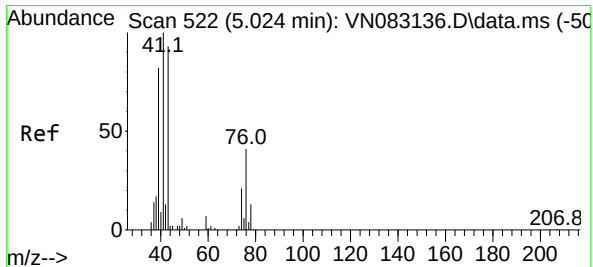
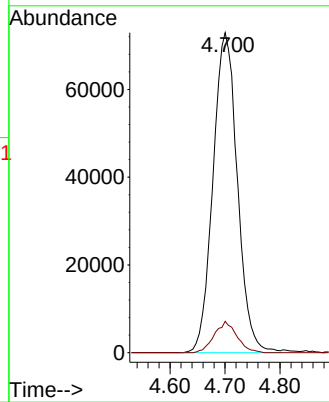
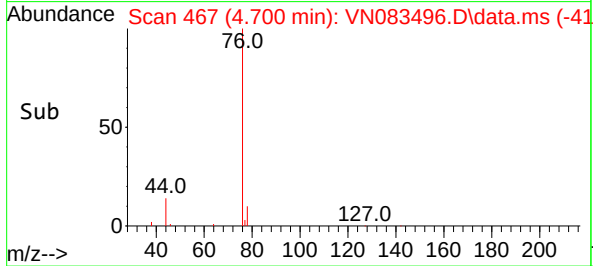
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 76 Resp: 22469
Ion Ratio Lower Upper
76 100
78 9.8 7.2 10.8

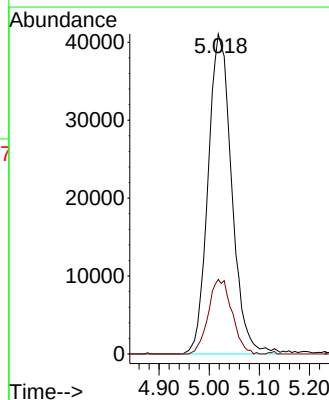
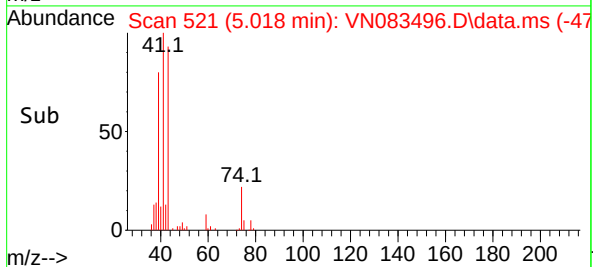
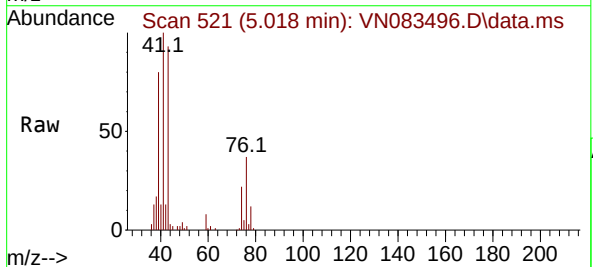
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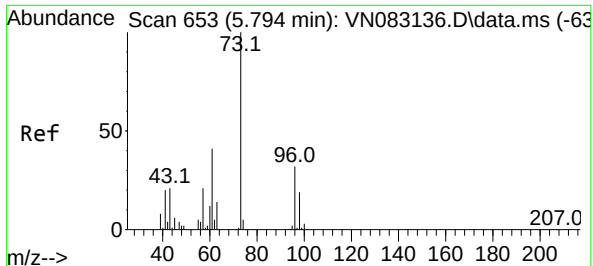
Reviewed By :John Carlone 08/28/2024
Supervised By :Mahesh Dadoda 08/28/2024



#18
Methyl Acetate
Concen: 54.198 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.006 min
Lab File: VN083496.D
Acq: 27 Aug 2024 09:05

Tgt Ion: 43 Resp: 134723
Ion Ratio Lower Upper
43 100
74 23.3 16.3 24.5





#19

Methyl tert-butyl Ether

Concen: 56.242 ug/l

RT: 5.794 min Scan# 61

Delta R.T. -0.000 min

Lab File: VN083496.D

Acq: 27 Aug 2024 09:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 73 Resp: 337092

Ion Ratio Lower Upper

73 100

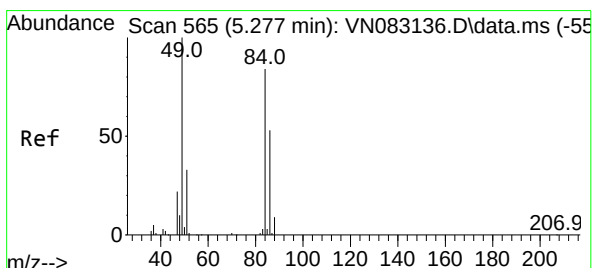
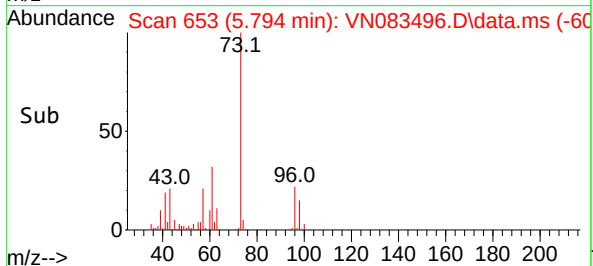
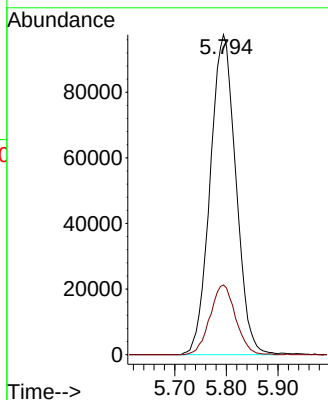
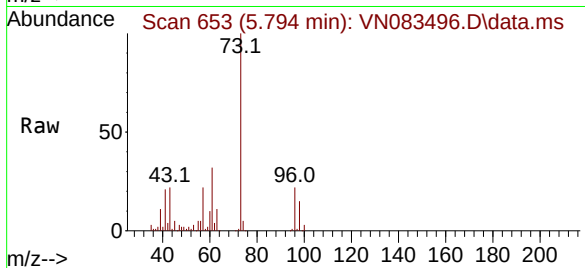
57 21.8 17.9 26.9

Manual Integrations

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Reviewed By :John Carlone 08/28/2024

Supervised By :Mahesh Dadoda 08/28/2024



#20

Methylene Chloride

Concen: 53.561 ug/l

RT: 5.271 min Scan# 564

Delta R.T. -0.006 min

Lab File: VN083496.D

Acq: 27 Aug 2024 09:05

Tgt Ion: 84 Resp: 102844

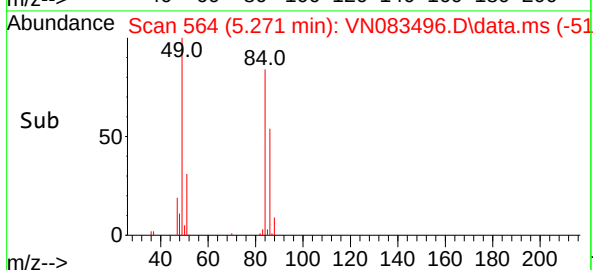
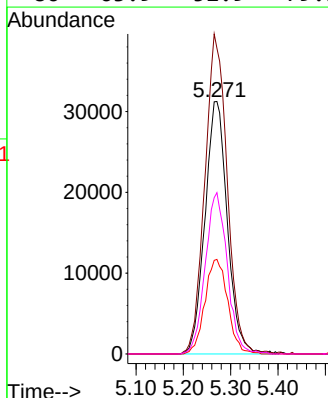
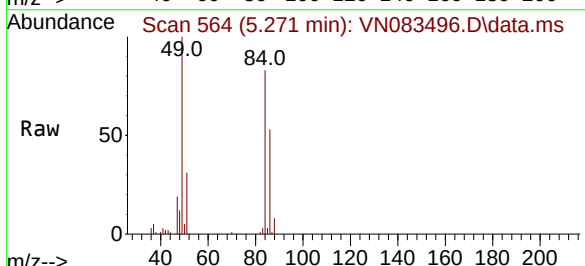
Ion Ratio Lower Upper

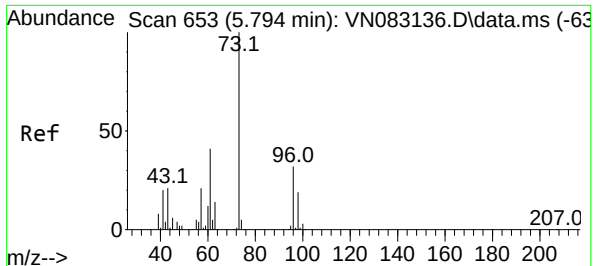
84 100

49 121.2 119.6 179.4

51 37.5 34.8 52.2

86 63.9 52.9 79.3





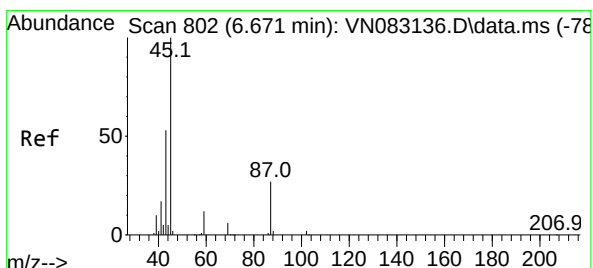
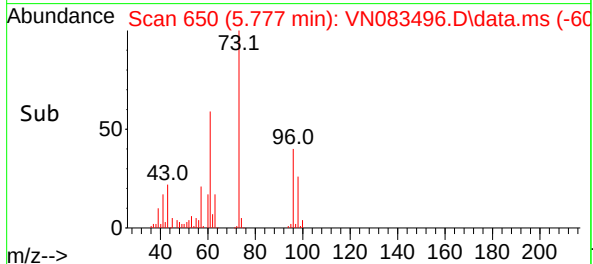
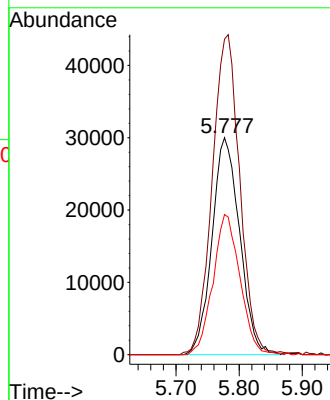
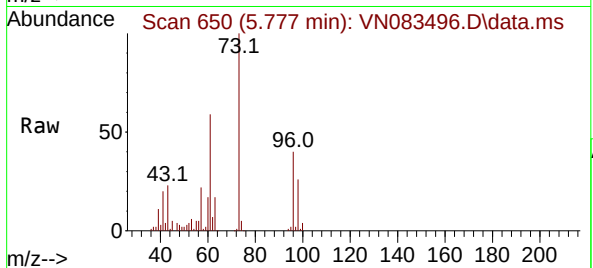
#21
trans-1,2-Dichloroethene
Concen: 53.074 ug/l
RT: 5.777 min Scan# 610
Delta R.T. -0.018 min
Lab File: VN083496.D
Acq: 27 Aug 2024 09:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 91086
Ion Ratio Lower Upper
96 100
61 145.4 123.4 185.2
98 64.6 49.3 73.9

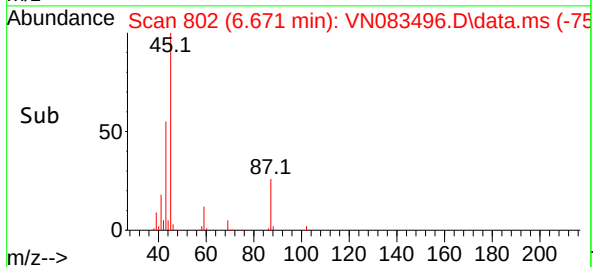
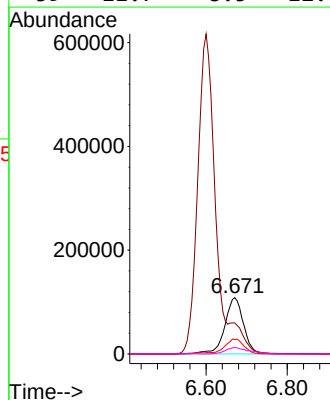
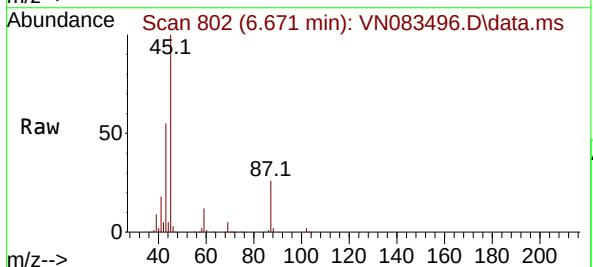
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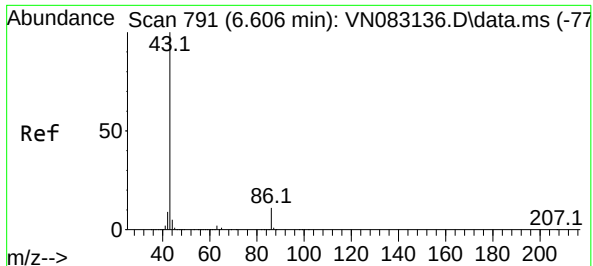
Reviewed By :John Carlone 08/28/2024
Supervised By :Mahesh Dadoda 08/28/2024



#22
Diisopropyl ether
Concen: 58.825 ug/l
RT: 6.671 min Scan# 802
Delta R.T. -0.000 min
Lab File: VN083496.D
Acq: 27 Aug 2024 09:05

Tgt Ion: 45 Resp: 346976
Ion Ratio Lower Upper
45 100
43 54.3 44.0 66.0
87 25.6 19.7 29.5
59 11.7 8.5 12.7





#23

Vinyl Acetate

Concen: 296.602 ug/l

RT: 6.600 min Scan# 791

Delta R.T. -0.006 min

Lab File: VN083496.D

Acq: 27 Aug 2024 09:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 1793204

Ion Ratio Lower Upper

43

100

86

10.6

7.3

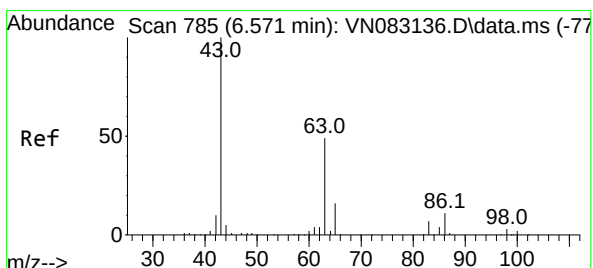
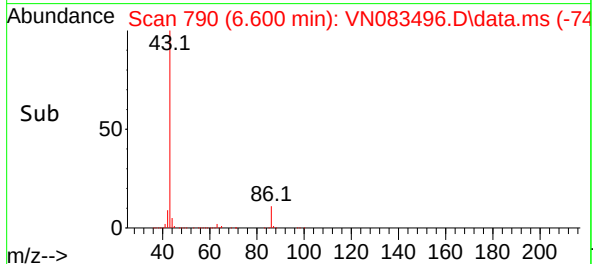
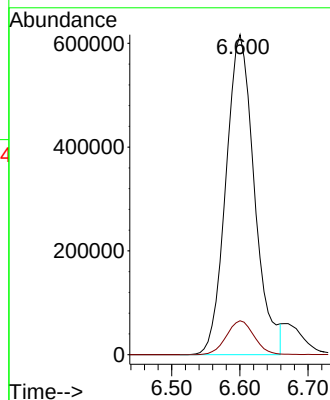
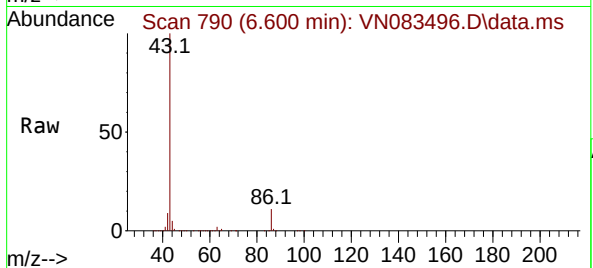
10.9

Manual Integrations

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Reviewed By :John Carlone 08/28/2024

Supervised By :Mahesh Dadoda 08/28/2024



#24

1,1-Dichloroethane

Concen: 59.562 ug/l

RT: 6.565 min Scan# 784

Delta R.T. -0.006 min

Lab File: VN083496.D

Acq: 27 Aug 2024 09:05

Tgt Ion: 63 Resp: 191495

Ion Ratio Lower Upper

63

100

98

7.5

3.3

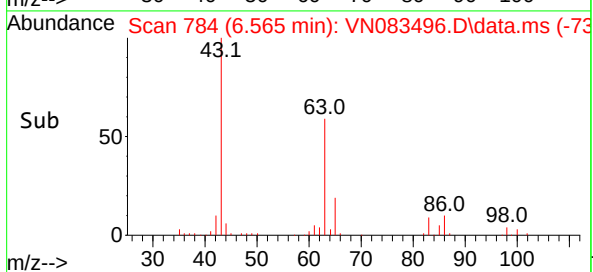
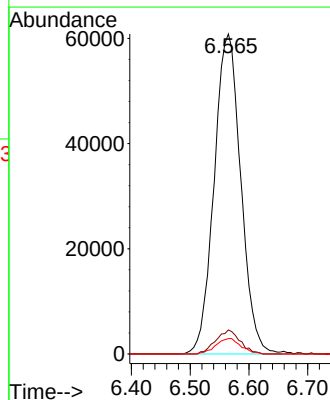
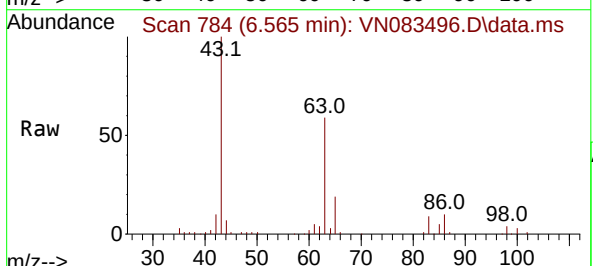
9.9

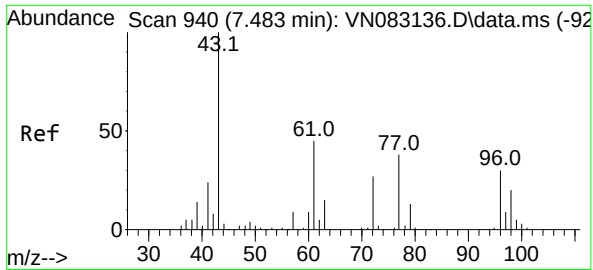
100

4.8

2.0

6.0





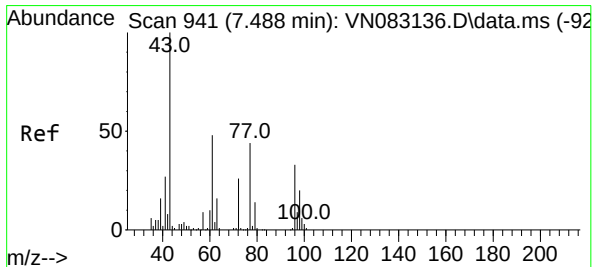
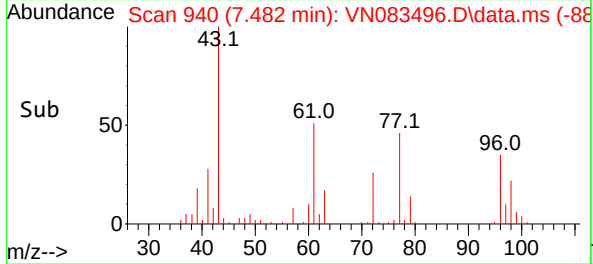
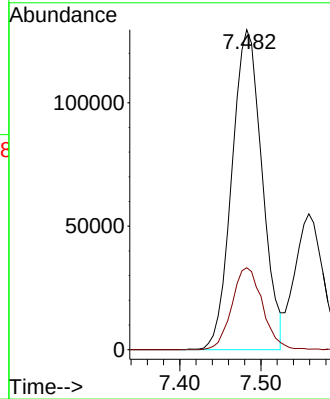
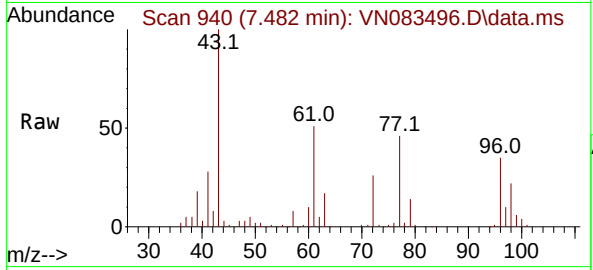
#25
2-Butanone
Concen: 261.723 ug/l
RT: 7.482 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN083496.D
Acq: 27 Aug 2024 09:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 33528
Ion Ratio Lower Upper
43 100
72 25.6 18.2 27.2

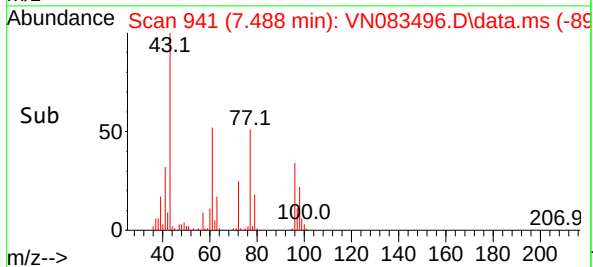
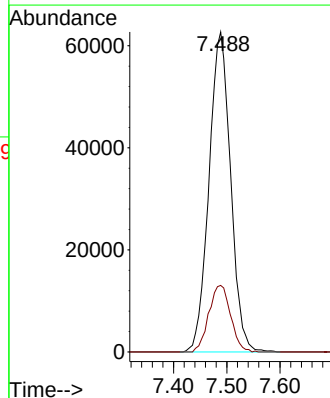
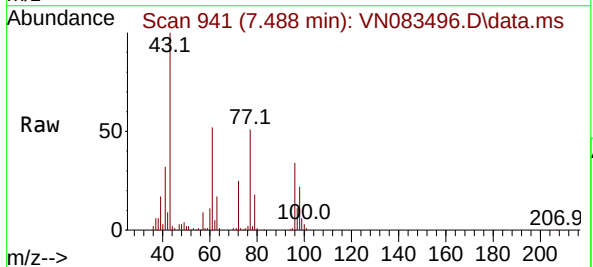
Manual Integrations
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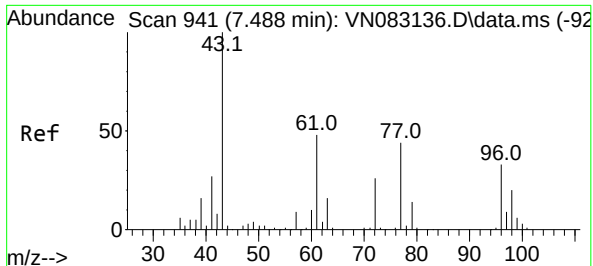
Reviewed By :John Carlone 08/28/2024
Supervised By :Mahesh Dadoda 08/28/2024



#26
2,2-Dichloropropane
Concen: 59.078 ug/l
RT: 7.488 min Scan# 941
Delta R.T. -0.000 min
Lab File: VN083496.D
Acq: 27 Aug 2024 09:05

Tgt Ion: 77 Resp: 176393
Ion Ratio Lower Upper
77 100
97 21.0 10.3 30.9





#27

cis-1,2-Dichloroethene

Concen: 56.506 ug/l

RT: 7.482 min Scan# 941

Delta R.T. -0.006 min

Lab File: VN083496.D

Acq: 27 Aug 2024 09:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 96 Resp: 11702

Ion Ratio Lower Upper

96 100

61 152.5 0.0 329.6

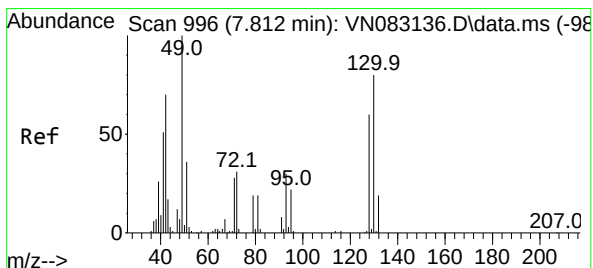
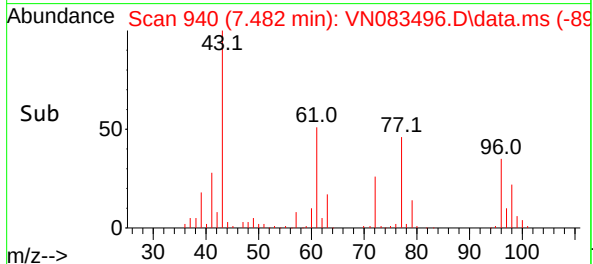
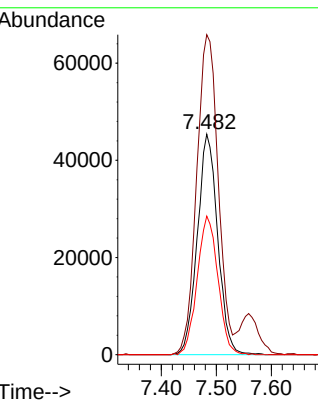
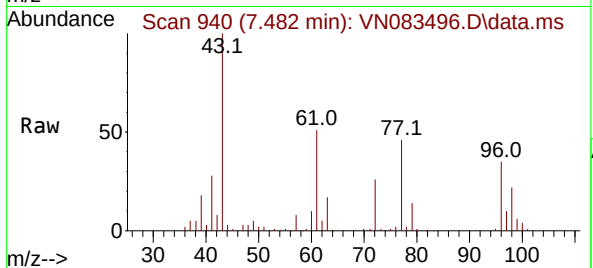
98 63.9 0.0 128.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/28/2024

Supervised By :Mahesh Dadoda 08/28/2024



#28

Bromochloromethane

Concen: 58.369 ug/l

RT: 7.812 min Scan# 996

Delta R.T. -0.000 min

Lab File: VN083496.D

Acq: 27 Aug 2024 09:05

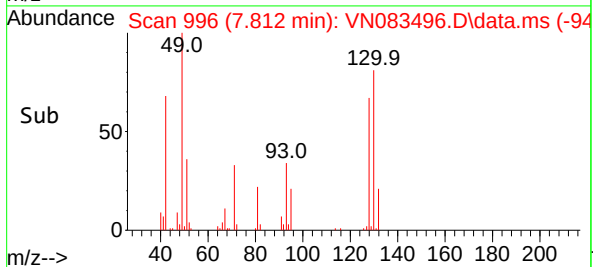
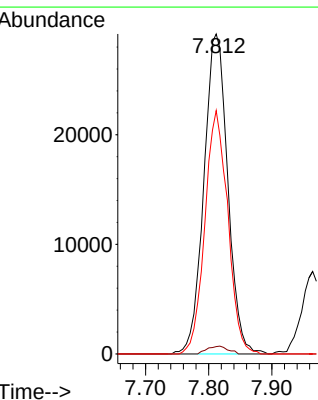
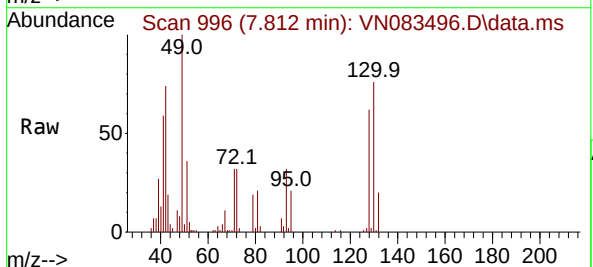
Tgt Ion: 49 Resp: 76691

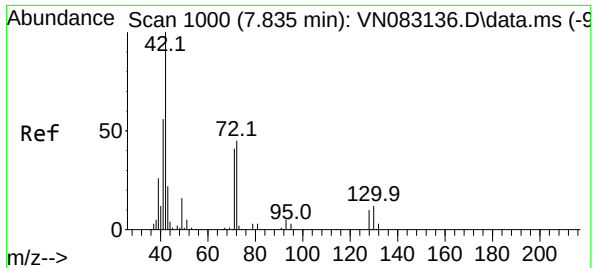
Ion Ratio Lower Upper

49 100

129 2.1 0.0 3.8

130 73.0 50.5 75.7





#29

Tetrahydrofuran

Concen: 260.021 ug/l

RT: 7.841 min Scan# 1001

Delta R.T. 0.006 min

Lab File: VN083496.D

Acq: 27 Aug 2024 09:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 42 Resp: 215328

Ion Ratio Lower Upper

42 100

72 44.6 30.0 45.0

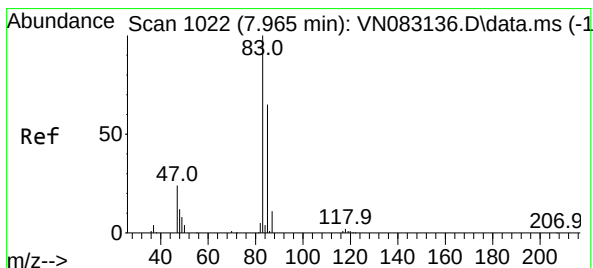
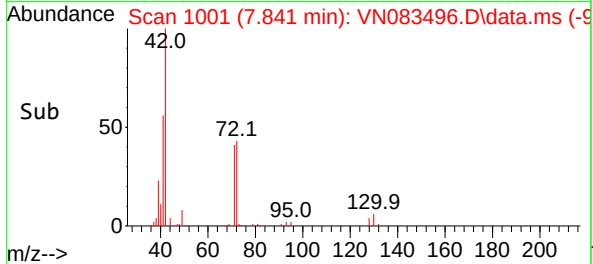
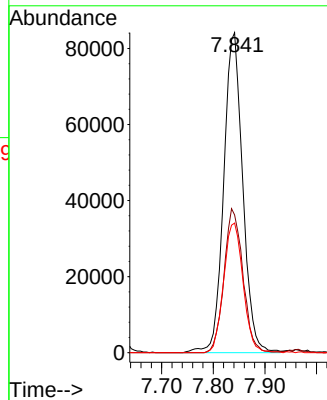
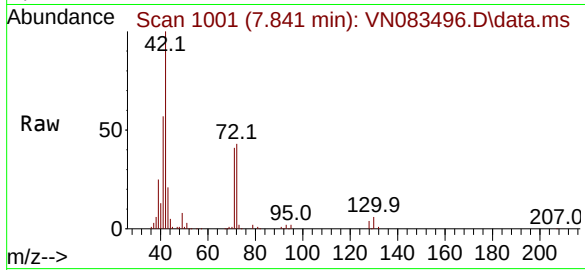
71 41.4 28.3 42.5

Manual Integrations

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Reviewed By :John Carlone 08/28/2024

Supervised By :Mahesh Dadoda 08/28/2024



#30

Chloroform

Concen: 60.759 ug/l

RT: 7.965 min Scan# 1022

Delta R.T. -0.000 min

Lab File: VN083496.D

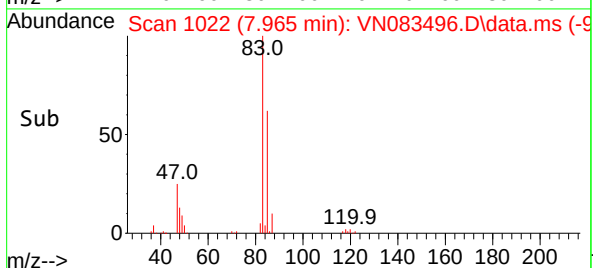
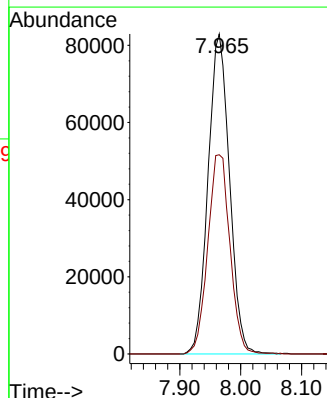
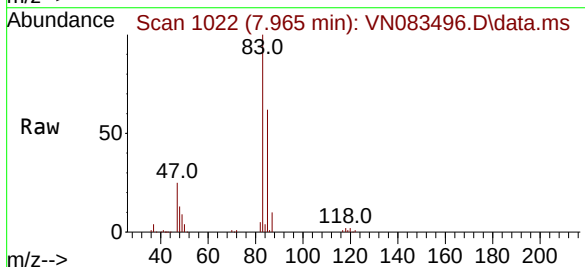
Acq: 27 Aug 2024 09:05

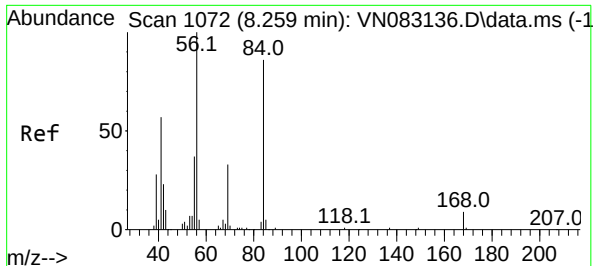
Tgt Ion: 83 Resp: 202947

Ion Ratio Lower Upper

83 100

85 62.2 50.9 76.3





#31

Cyclohexane

Concen: 50.765 ug/l

RT: 8.253 min Scan# 1071

Delta R.T. -0.006 min

Lab File: VN083496.D

Acq: 27 Aug 2024 09:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 16040

Ion Ratio Lower Upper

56 100

69 32.2 24.5 36.7

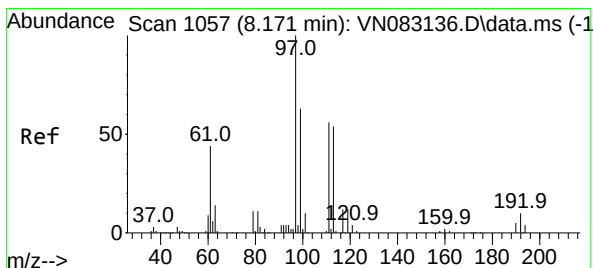
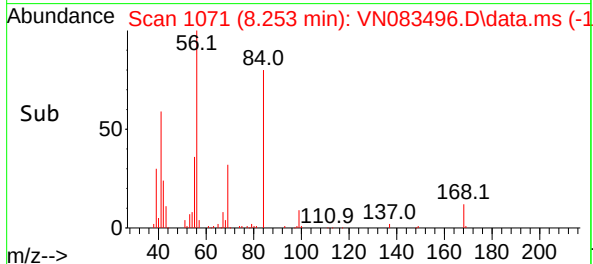
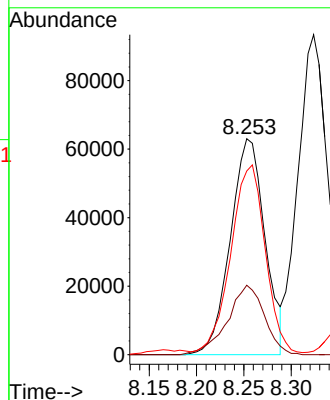
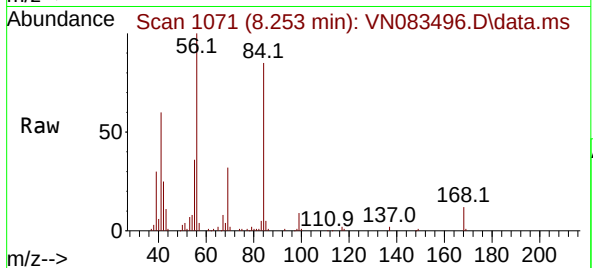
84 82.9 66.0 99.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/28/2024

Supervised By :Mahesh Dadoda 08/28/2024



#32

1,1,1-Trichloroethane

Concen: 59.706 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.006 min

Lab File: VN083496.D

Acq: 27 Aug 2024 09:05

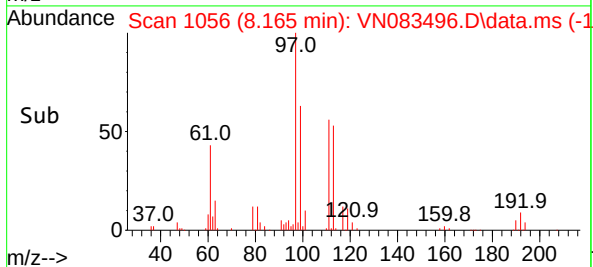
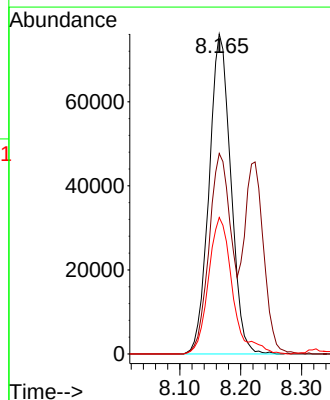
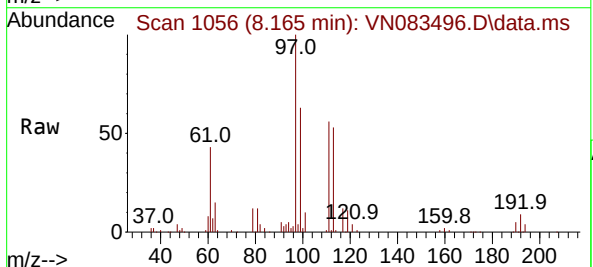
Tgt Ion: 97 Resp: 188769

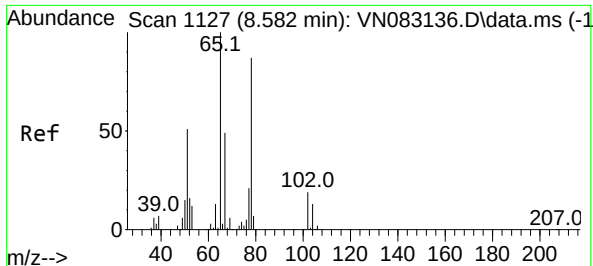
Ion Ratio Lower Upper

97 100

99 63.8 52.0 78.0

61 47.0 42.1 63.1





#33

1,2-Dichloroethane-d4

Concen: 62.015 ug/l

RT: 8.576 min Scan# 1127

Delta R.T. -0.006 min

Lab File: VN083496.D

Acq: 27 Aug 2024 09:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 65 Resp: 13222

Ion Ratio Lower Upper

65 100

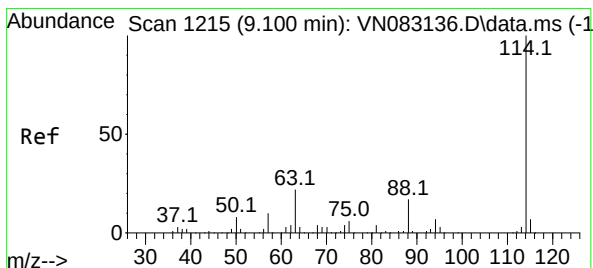
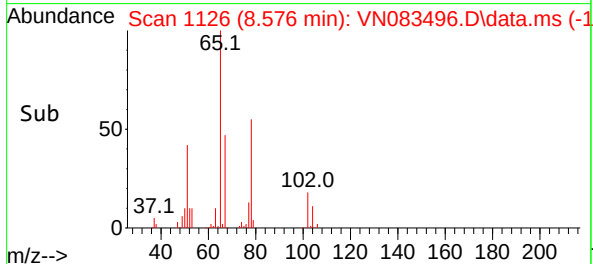
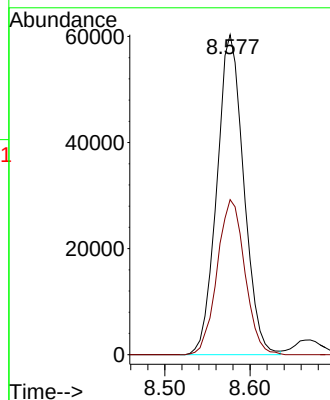
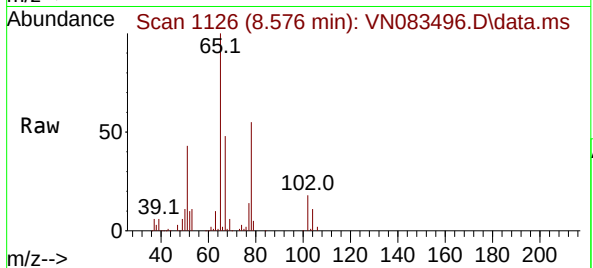
67 49.9 0.0 104.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/28/2024

Supervised By :Mahesh Dadoda 08/28/2024



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN083496.D

Acq: 27 Aug 2024 09:05

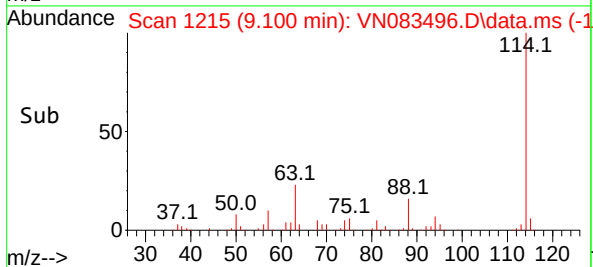
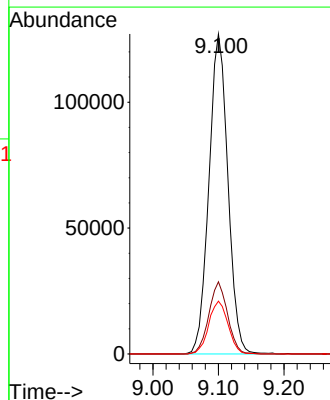
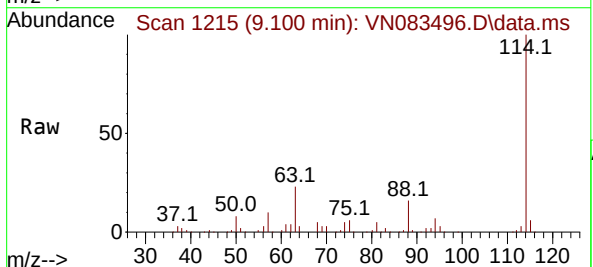
Tgt Ion:114 Resp: 255248

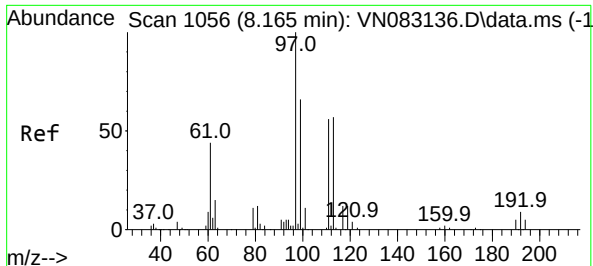
Ion Ratio Lower Upper

114 100

63 22.6 0.0 44.6

88 16.5 0.0 31.4





#35

Dibromofluoromethane

Concen: 59.871 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN083496.D

Acq: 27 Aug 2024 09:05

Instrument :

MSVOA_N

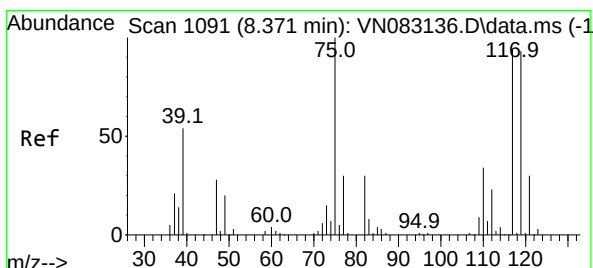
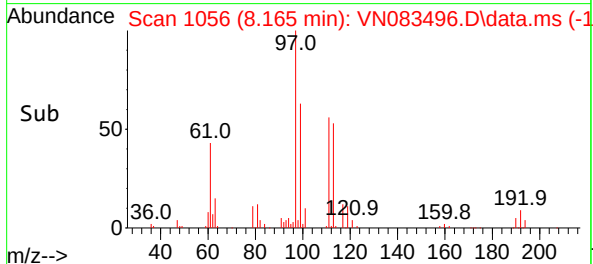
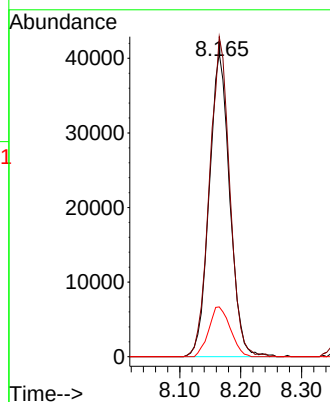
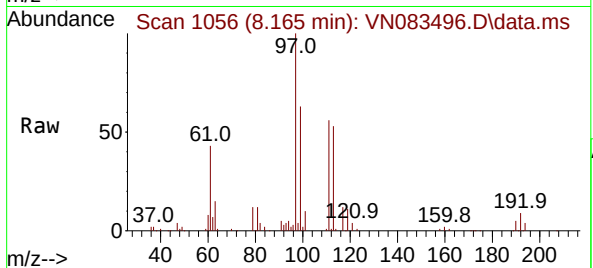
ClientSampleId :

VSTDC050

Tgt Ion:	113	Resp:	9538
Ion	Ratio	Lower	Upper
113	100		
111	103.9	82.4	123.6
192	17.2	14.9	22.3

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/28/2024
Supervised By :Mahesh Dadoda 08/28/2024



#36

1,1-Dichloropropene

Concen: 55.629 ug/l

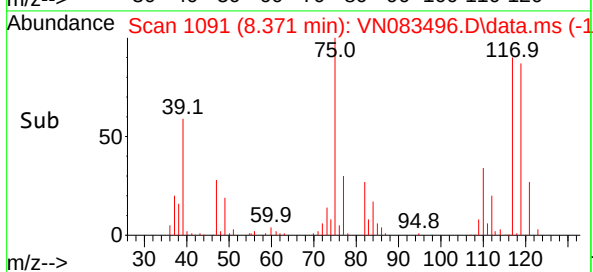
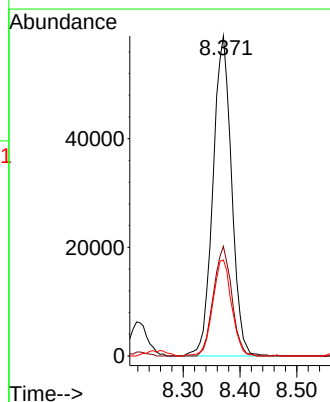
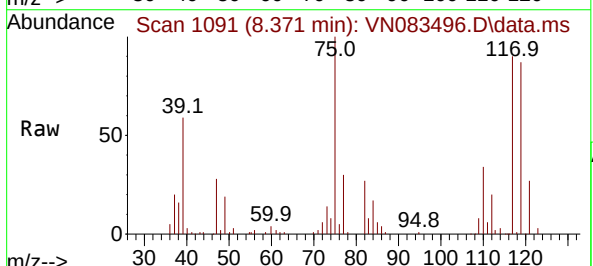
RT: 8.371 min Scan# 1091

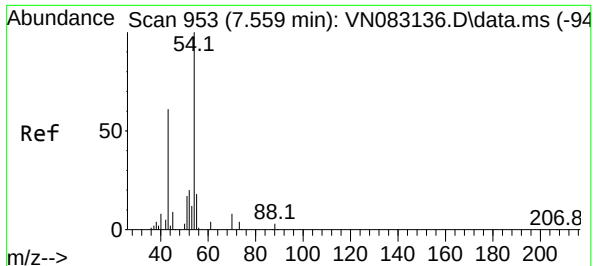
Delta R.T. -0.000 min

Lab File: VN083496.D

Acq: 27 Aug 2024 09:05

Tgt Ion:	75	Resp:	134069
Ion	Ratio	Lower	Upper
75	100		
110	33.7	16.3	48.9
77	30.3	24.6	37.0





#37

Ethyl Acetate

Concen: 50.946 ug/l

RT: 7.559 min Scan# 91

Delta R.T. -0.000 min

Lab File: VN083496.D

Acq: 27 Aug 2024 09:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDC050

Tgt Ion: 43 Resp: 137470

Ion Ratio Lower Upper

43 100

61 14.0 9.3 13.9

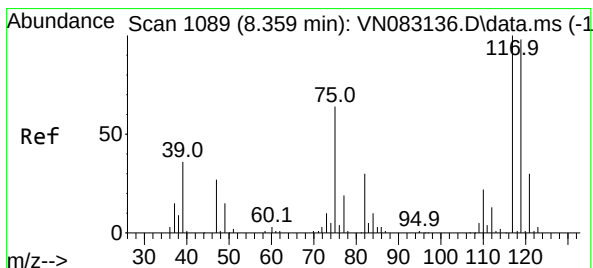
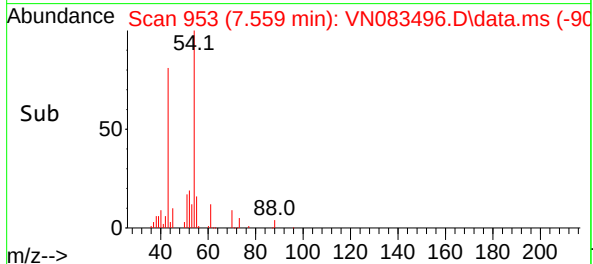
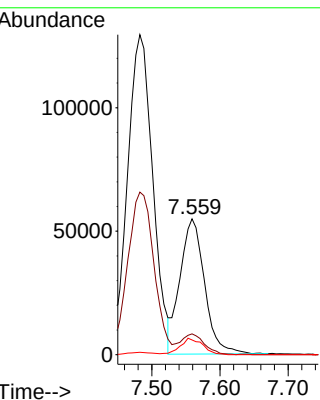
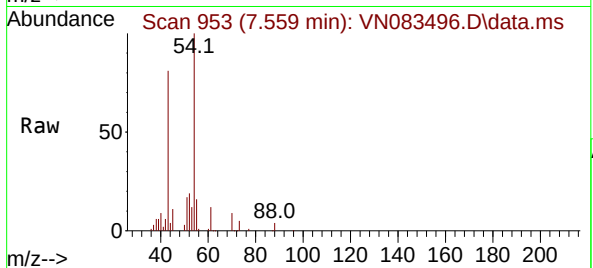
70 11.1 7.0 10.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/28/2024

Supervised By :Mahesh Dadoda 08/28/2024



#38

Carbon Tetrachloride

Concen: 59.850 ug/l

RT: 8.359 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VN083496.D

Acq: 27 Aug 2024 09:05

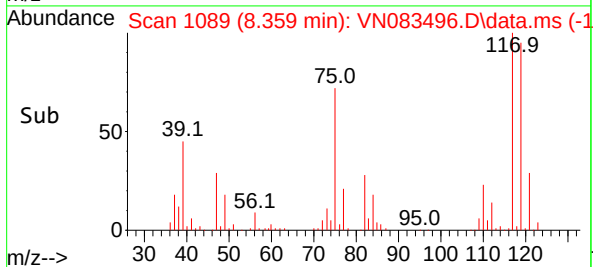
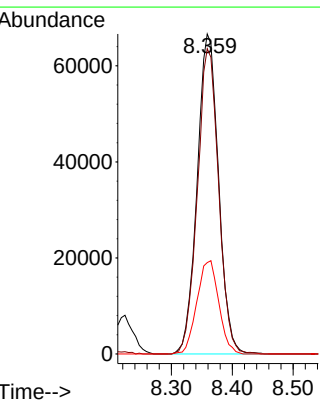
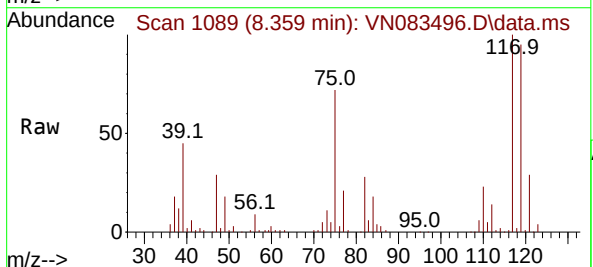
Tgt Ion:117 Resp: 162463

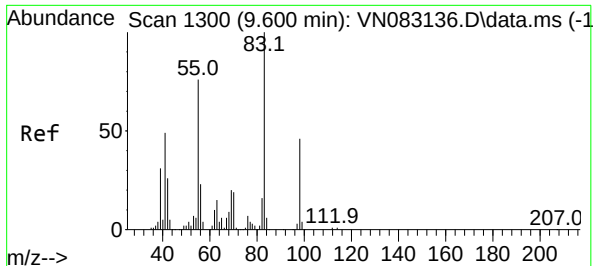
Ion Ratio Lower Upper

117 100

119 95.4 74.9 112.3

121 28.5 24.3 36.5





#39

Methylcyclohexane

Concen: 55.020 ug/l

RT: 9.600 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VN083496.D

Acq: 27 Aug 2024 09:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 162870

Ion Ratio Lower Upper

83 100

55 83.1 66.4 99.6

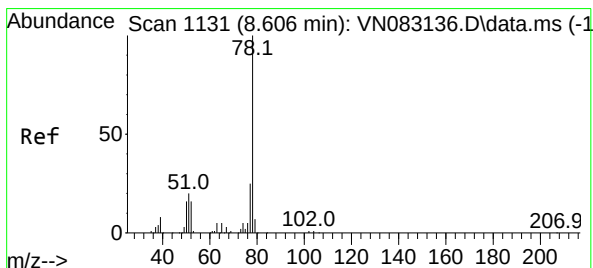
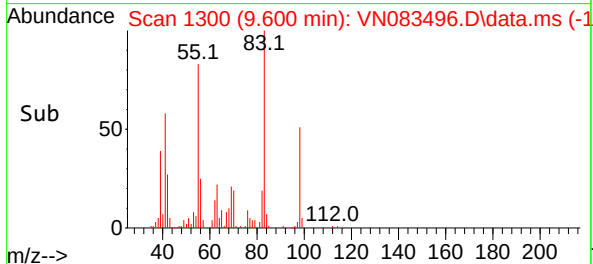
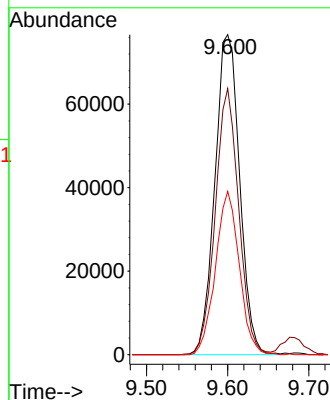
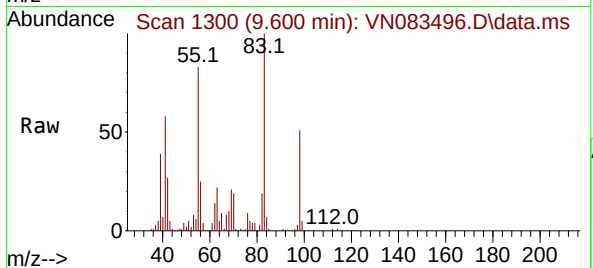
98 51.0 40.7 61.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/28/2024

Supervised By :Mahesh Dadoda 08/28/2024



#40

Benzene

Concen: 58.951 ug/l

RT: 8.606 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VN083496.D

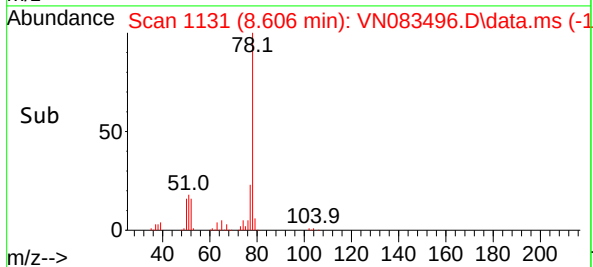
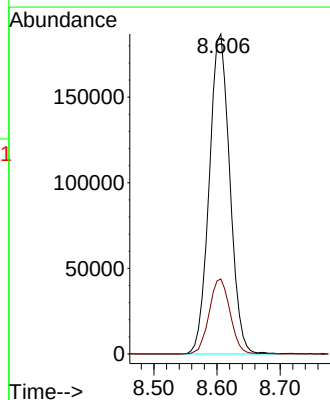
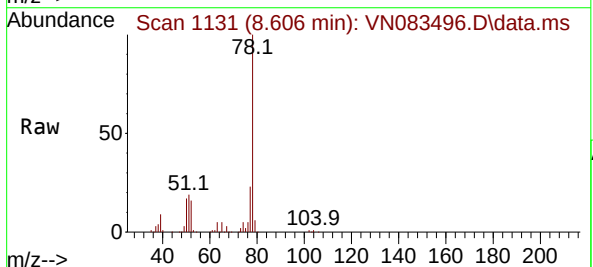
Acq: 27 Aug 2024 09:05

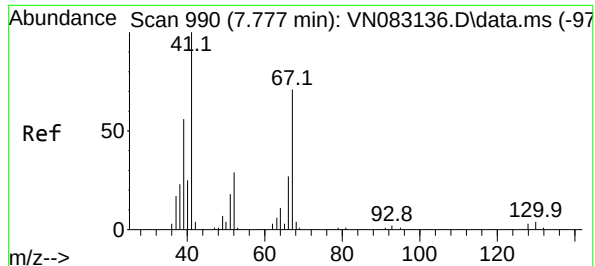
Tgt Ion: 78 Resp: 423252

Ion Ratio Lower Upper

78 100

77 23.5 19.0 28.4





#41

Methacrylonitrile

Concen: 52.459 ug/l

RT: 7.777 min Scan# 990

Delta R.T. -0.000 min

Lab File: VN083496.D

Acq: 27 Aug 2024 09:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 41 Resp: 8048

Ion Ratio Lower Upper

41 100

39 56.1 45.5 68.3

67 70.6 50.5 75.7

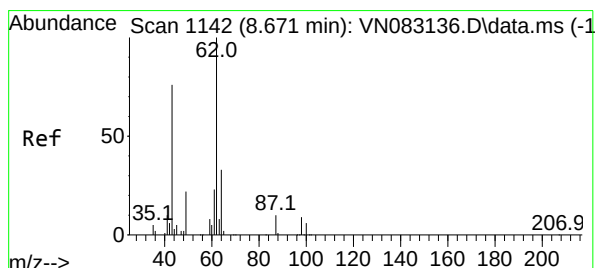
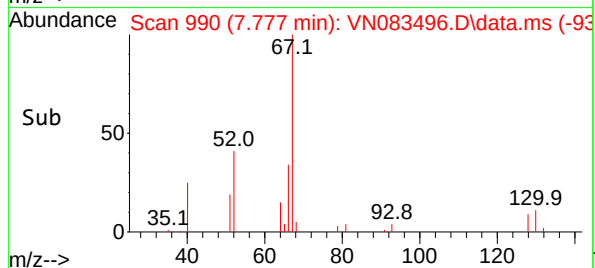
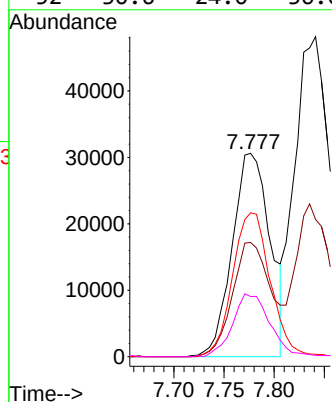
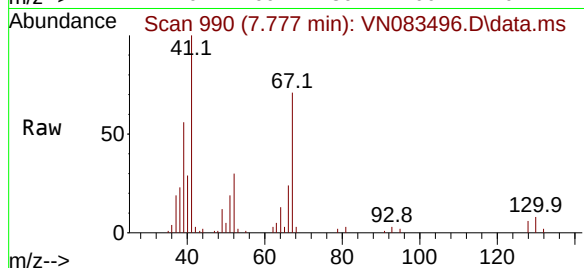
52 30.6 24.0 36.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/28/2024

Supervised By :Mahesh Dadoda 08/28/2024



#42

1,2-Dichloroethane

Concen: 61.003 ug/l

RT: 8.671 min Scan# 1142

Delta R.T. -0.000 min

Lab File: VN083496.D

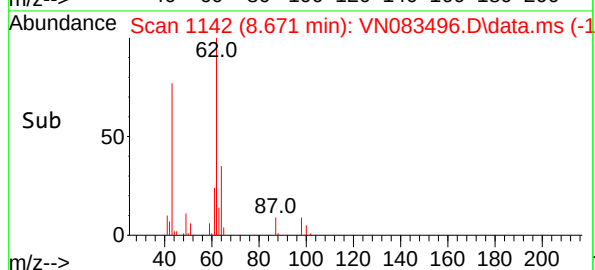
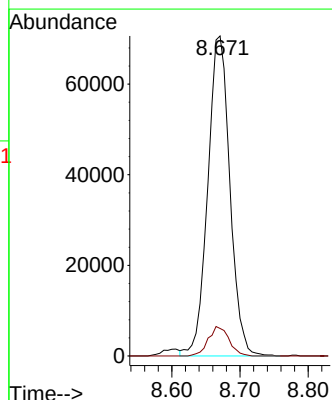
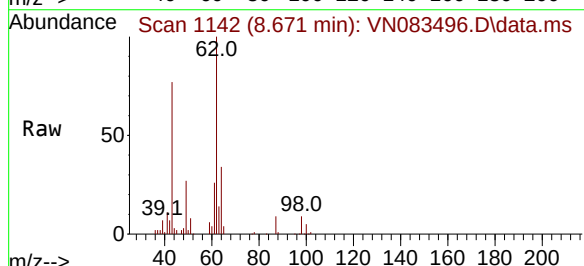
Acq: 27 Aug 2024 09:05

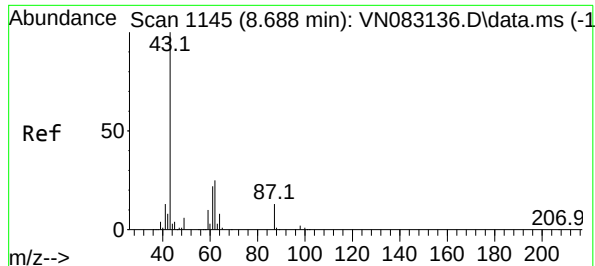
Tgt Ion: 62 Resp: 159548

Ion Ratio Lower Upper

62 100

98 8.6 0.0 15.8





#43

Isopropyl Acetate

Concen: 52.553 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VN083496.D

Acq: 27 Aug 2024 09:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 245120

Ion Ratio Lower Upper

43

100

61

26.4

87

12.7

17.8

26.6

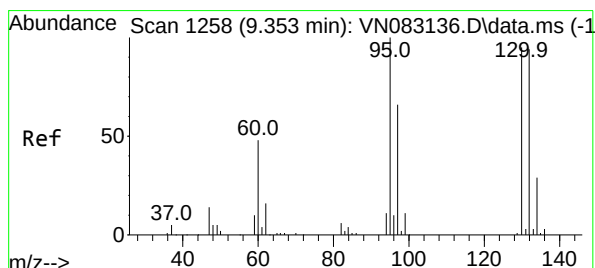
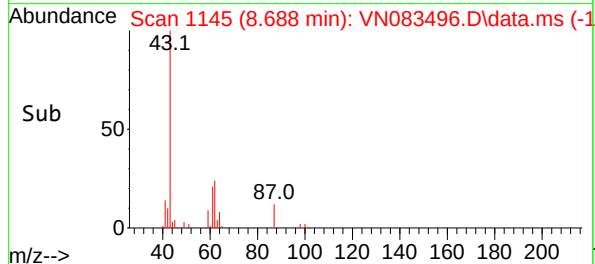
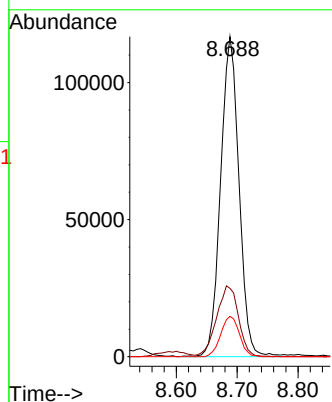
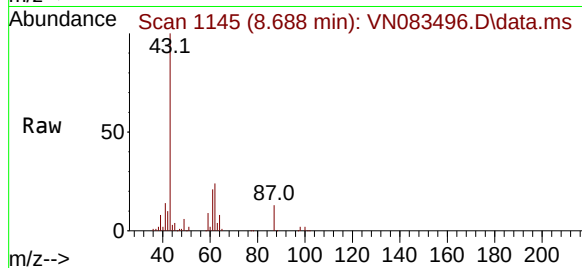
12.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/28/2024

Supervised By :Mahesh Dadoda 08/28/2024



#44

Trichloroethene

Concen: 56.633 ug/l

RT: 9.353 min Scan# 1258

Delta R.T. -0.000 min

Lab File: VN083496.D

Acq: 27 Aug 2024 09:05

Tgt Ion:130 Resp: 96781

Ion Ratio Lower Upper

130

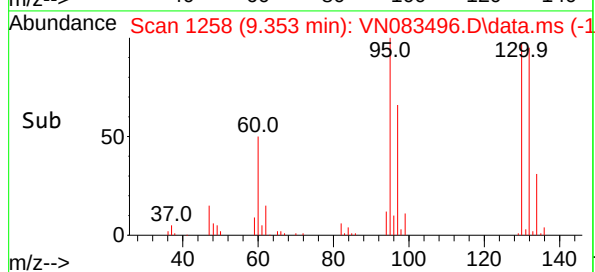
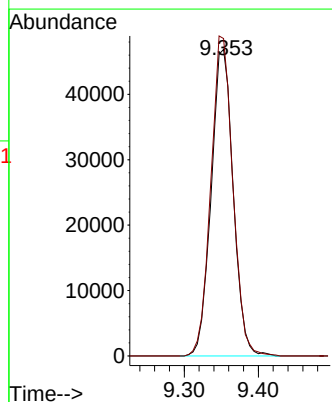
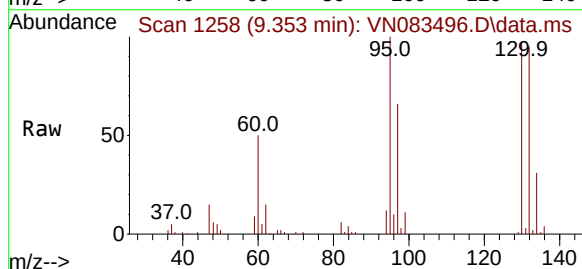
100

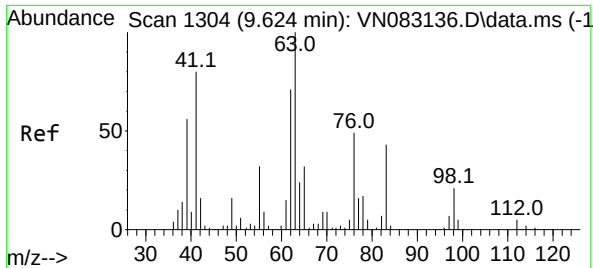
95

103.6

0.0

197.8





#45

1,2-Dichloropropane

Concen: 61.057 ug/l

RT: 9.623 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN083496.D

Acq: 27 Aug 2024 09:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDC050

Tgt Ion: 63 Resp: 104050

Ion Ratio Lower Upper

63 100

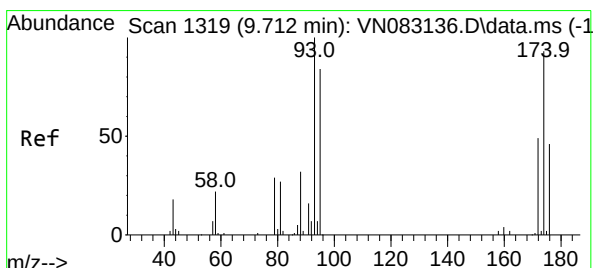
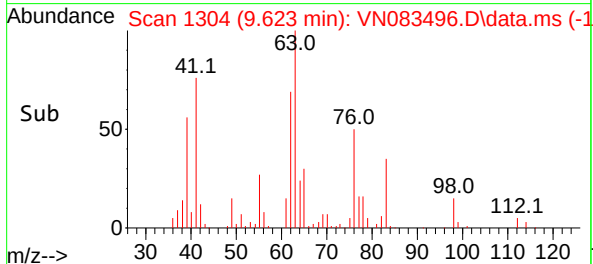
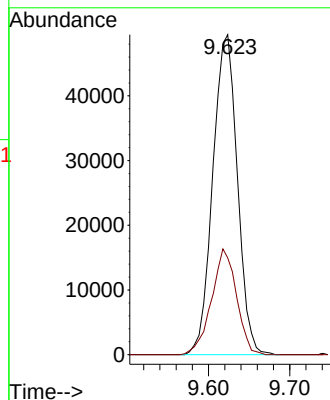
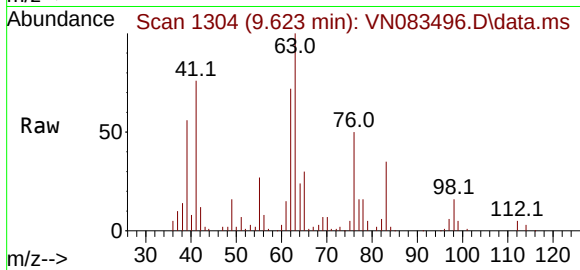
65 30.3 24.4 36.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/28/2024

Supervised By :Mahesh Dadoda 08/28/2024



#46

Dibromomethane

Concen: 60.284 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. -0.006 min

Lab File: VN083496.D

Acq: 27 Aug 2024 09:05

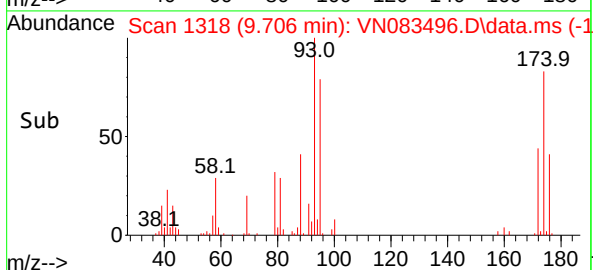
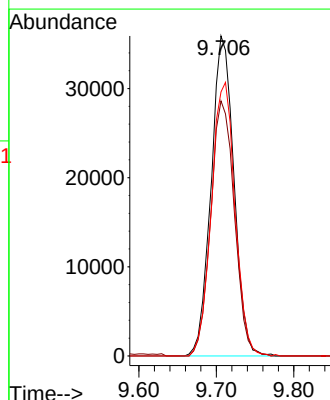
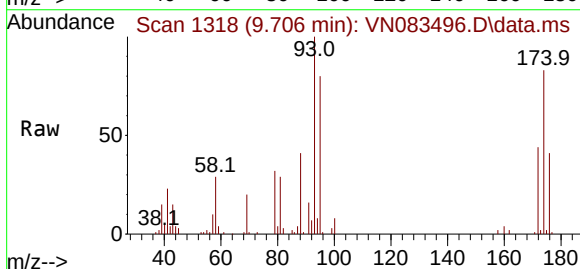
Tgt Ion: 93 Resp: 73538

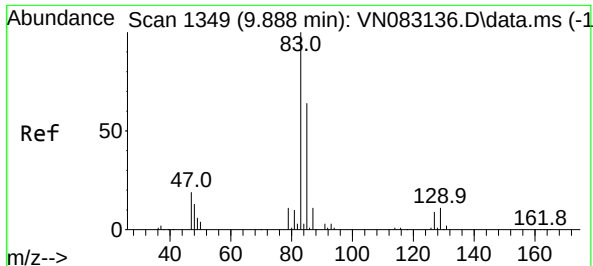
Ion Ratio Lower Upper

93 100

95 82.5 65.8 98.6

174 88.4 71.7 107.5





#47

Bromodichloromethane

Concen: 58.913 ug/l

RT: 9.888 min Scan# 1349

Delta R.T. -0.000 min

Lab File: VN083496.D

Acq: 27 Aug 2024 09:05

Instrument :

MSVOA_N

ClientSampleId :

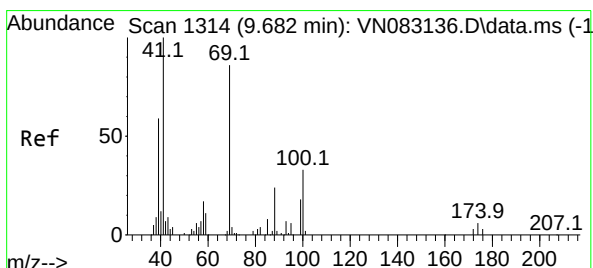
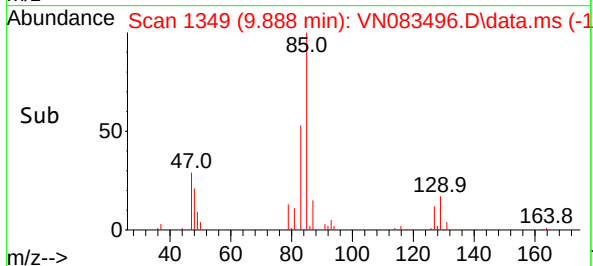
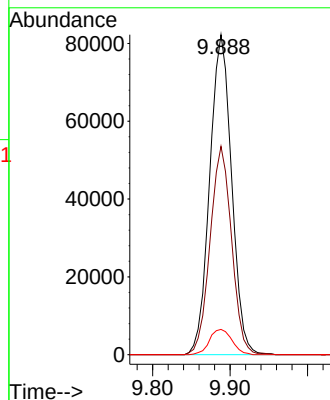
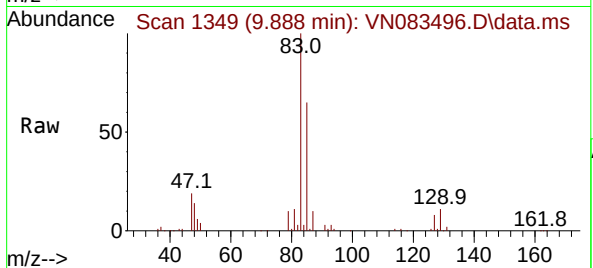
VSTDCCC050

Tgt Ion:	83	Resp:	16136
Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.1	76.7
127	7.9	7.2	10.8

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/28/2024

Supervised By :Mahesh Dadoda 08/28/2024



#48

Methyl methacrylate

Concen: 52.609 ug/l

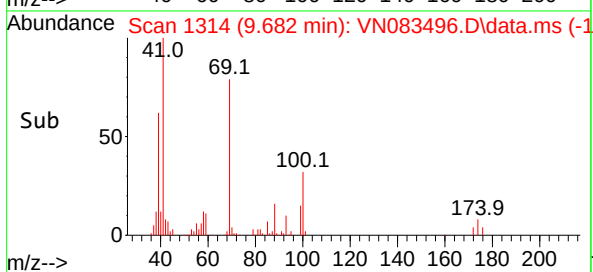
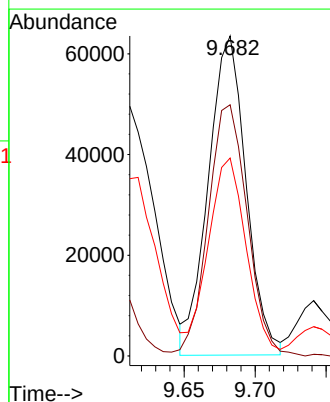
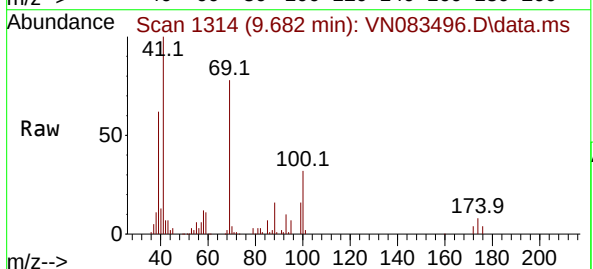
RT: 9.682 min Scan# 1314

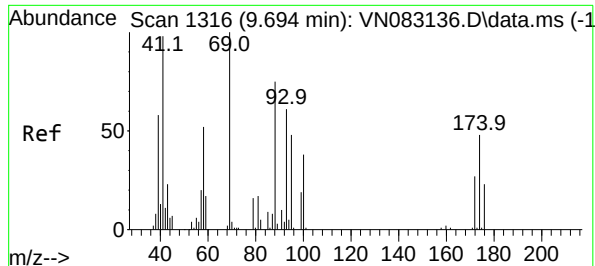
Delta R.T. -0.000 min

Lab File: VN083496.D

Acq: 27 Aug 2024 09:05

Tgt Ion:	41	Resp:	117367
Ion	Ratio	Lower	Upper
41	100		
69	81.5	56.3	84.5
39	63.4	50.3	75.5





#49

1,4-Dioxane

Concen: 970.093 ug/l

RT: 9.700 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN083496.D

Acq: 27 Aug 2024 09:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 88 Resp: 3904

Ion Ratio Lower Upper

88 100

43 0.0 27.8 41.8

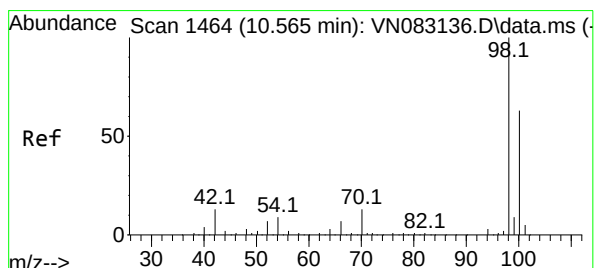
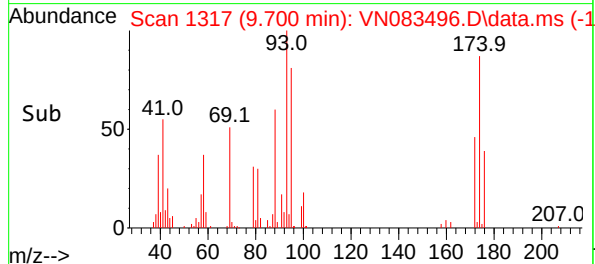
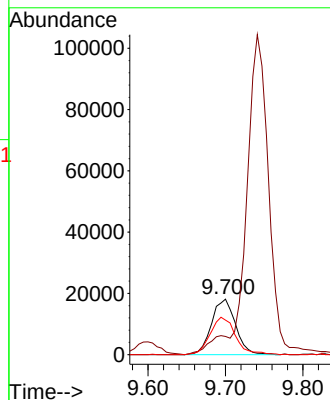
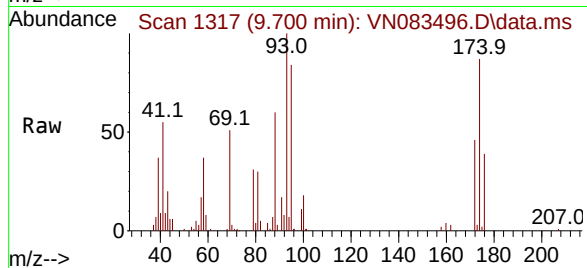
58 71.4 59.4 89.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/28/2024

Supervised By :Mahesh Dadoda 08/28/2024



#50

Toluene-d8

Concen: 57.557 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN083496.D

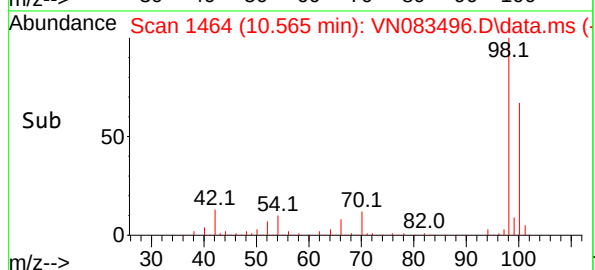
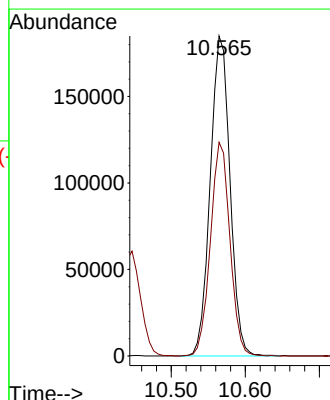
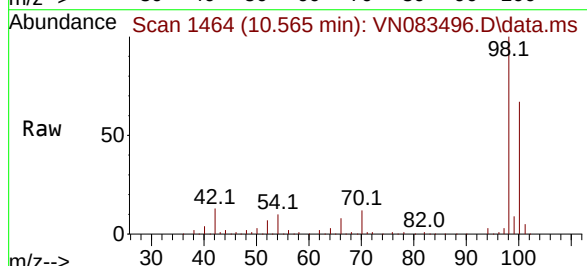
Acq: 27 Aug 2024 09:05

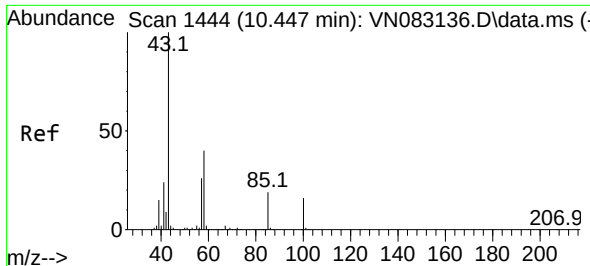
Tgt Ion: 98 Resp: 342064

Ion Ratio Lower Upper

98 100

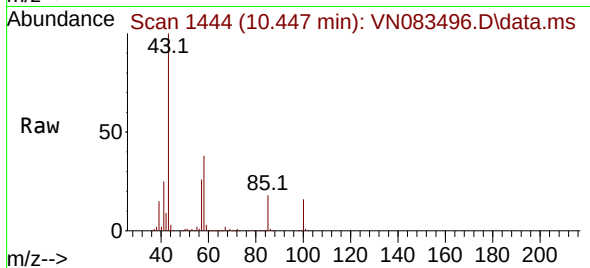
100 66.0 51.5 77.3





#51
4-Methyl-2-Pentanone
Concen: 273.840 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN083496.D
Acq: 27 Aug 2024 09:05

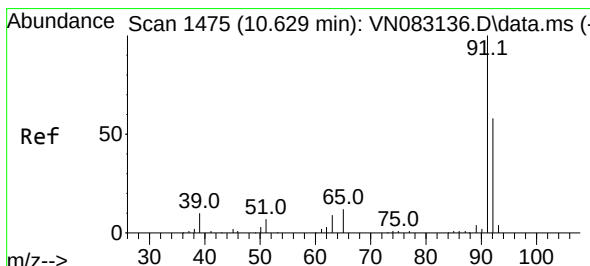
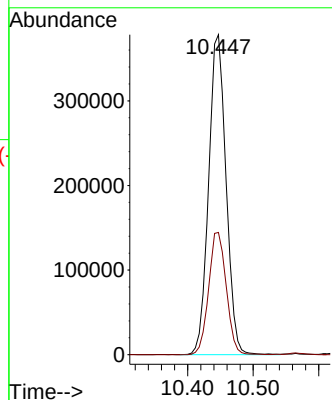
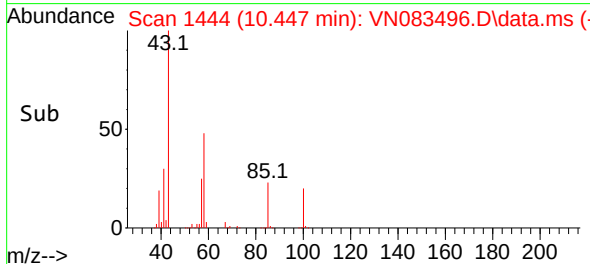
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 43 Resp: 698780
Ion Ratio Lower Upper
43 100
58 38.6 28.2 42.4

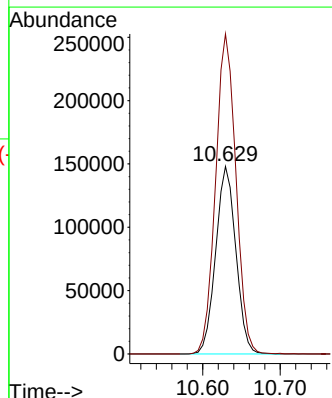
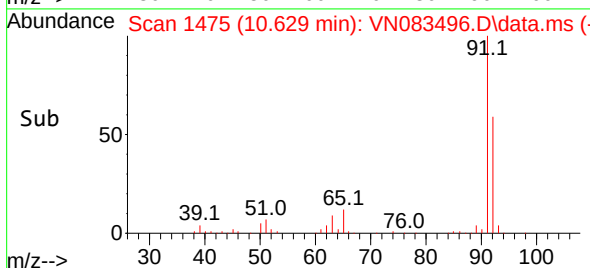
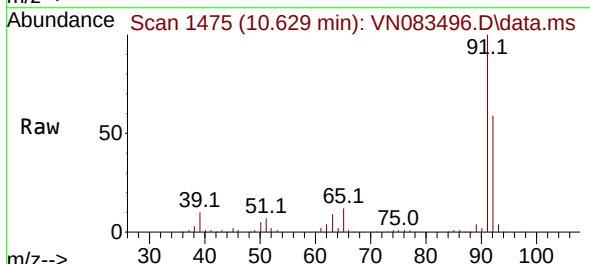
Manual Integrations
APPROVED

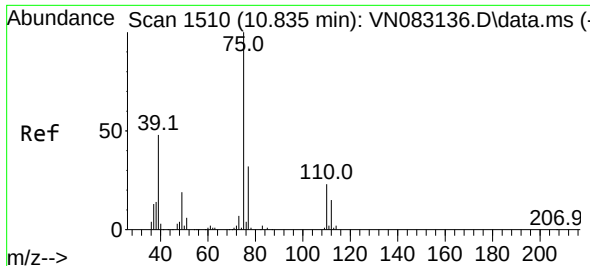
Reviewed By :John Carlone 08/28/2024
Supervised By :Mahesh Dadoda 08/28/2024



#52
Toluene
Concen: 58.870 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN083496.D
Acq: 27 Aug 2024 09:05

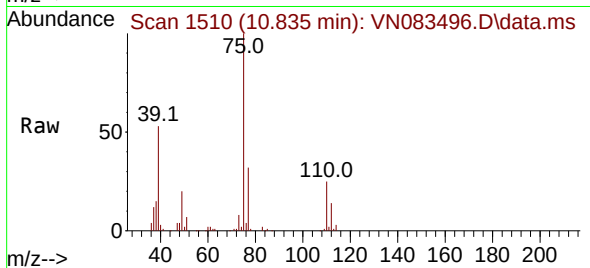
Tgt Ion: 92 Resp: 267057
Ion Ratio Lower Upper
92 100
91 172.5 139.4 209.0





#53
t-1,3-Dichloropropene
Concen: 57.726 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. -0.000 min
Lab File: VN083496.D
Acq: 27 Aug 2024 09:05

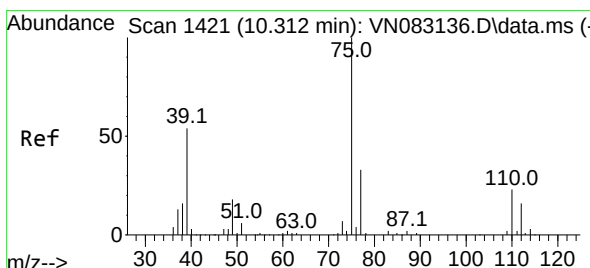
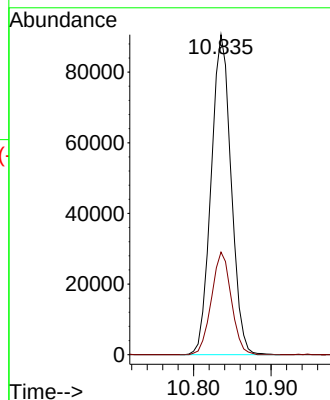
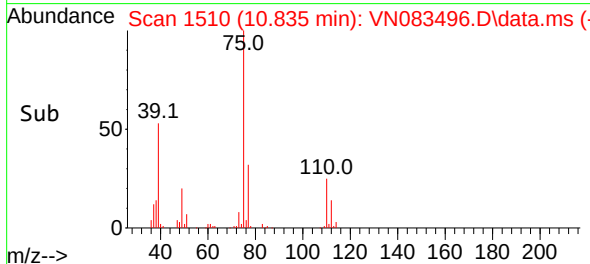
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 75 Resp: 162415
Ion Ratio Lower Upper
75 100
77 32.0 25.7 38.5

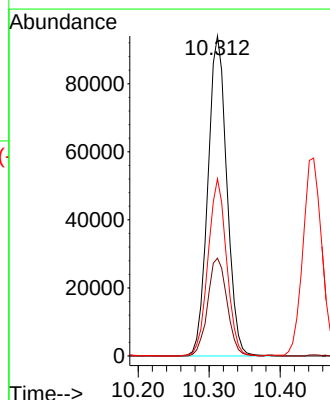
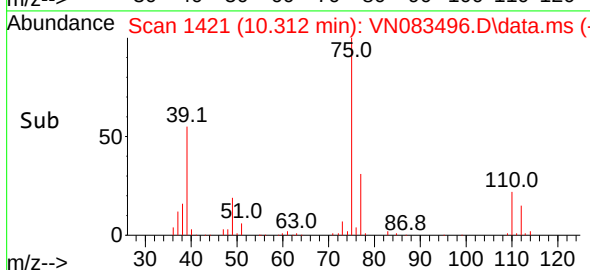
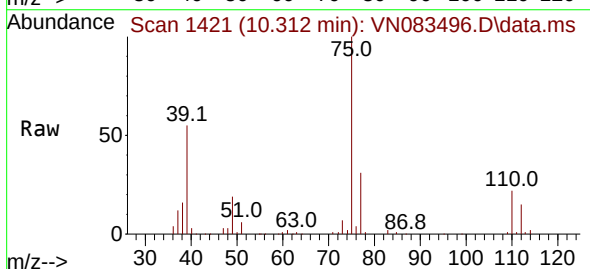
Manual Integrations
APPROVED

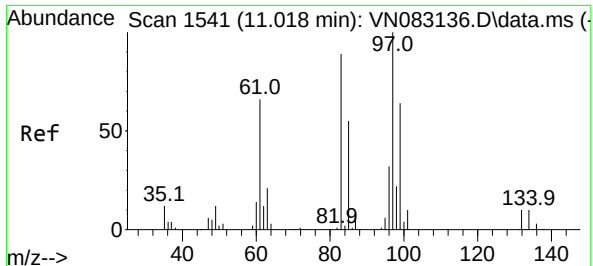
Reviewed By :John Carlone 08/28/2024
Supervised By :Mahesh Dadoda 08/28/2024



#54
cis-1,3-Dichloropropene
Concen: 58.221 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.000 min
Lab File: VN083496.D
Acq: 27 Aug 2024 09:05

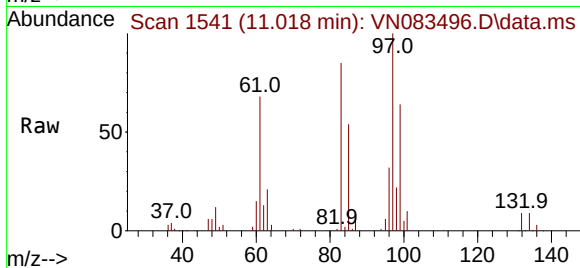
Tgt Ion: 75 Resp: 174231
Ion Ratio Lower Upper
75 100
77 30.6 24.3 36.5
39 55.4 50.5 75.7





#55
1,1,2-Trichloroethane
Concen: 61.013 ug/l
RT: 11.018 min Scan# 1541
Delta R.T. -0.000 min
Lab File: VN083496.D
Acq: 27 Aug 2024 09:05

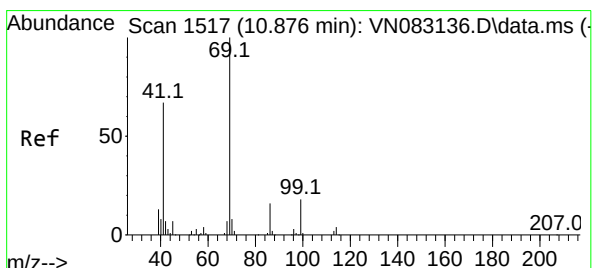
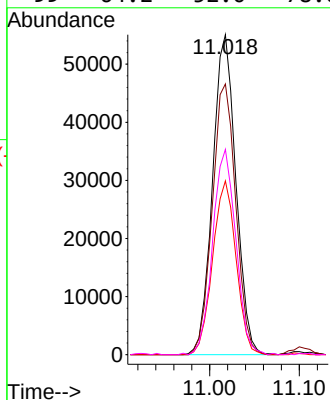
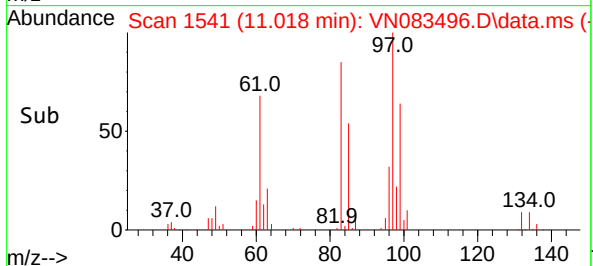
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



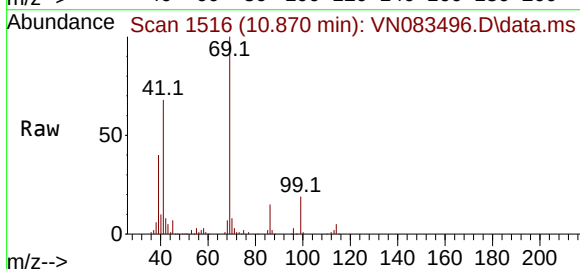
Tgt Ion: 97 Resp: 99189
Ion Ratio Lower Upper
97 100
83 84.6 71.4 107.0
85 54.3 45.8 68.6
99 64.2 52.0 78.0

Manual Integrations
APPROVED

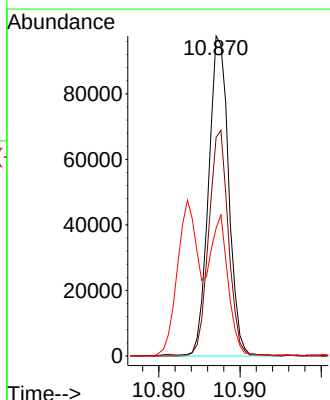
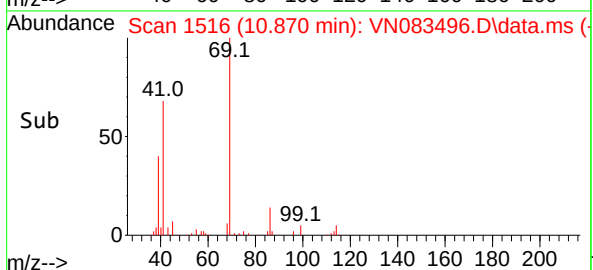
Reviewed By :John Carlone 08/28/2024
Supervised By :Mahesh Dadoda 08/28/2024

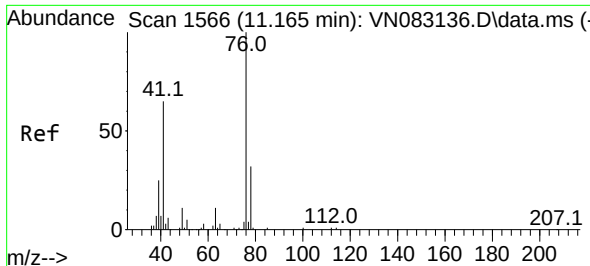


#56
Ethyl methacrylate
Concen: 54.513 ug/l
RT: 10.870 min Scan# 1516
Delta R.T. -0.006 min
Lab File: VN083496.D
Acq: 27 Aug 2024 09:05



Tgt Ion: 69 Resp: 167069
Ion Ratio Lower Upper
69 100
41 68.5 63.4 95.2
39 41.6 37.4 56.0





#57

1,3-Dichloropropane

Concen: 59.977 ug/l

RT: 11.165 min Scan# 1566

Delta R.T. -0.000 min

Lab File: VN083496.D

Acq: 27 Aug 2024 09:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 76 Resp: 173794

Ion Ratio Lower Upper

76 100

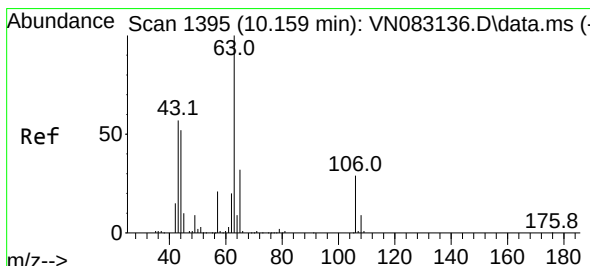
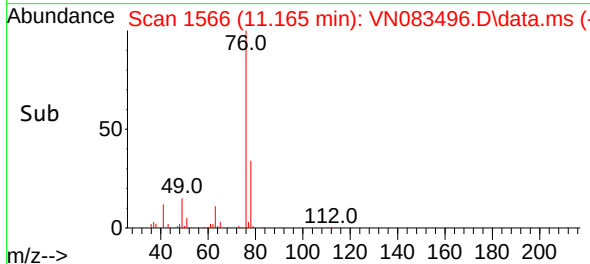
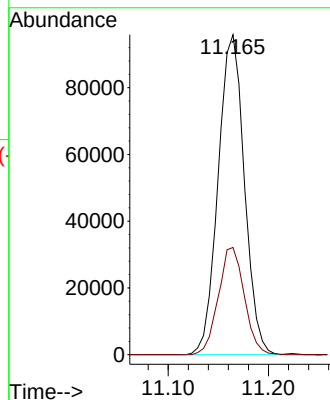
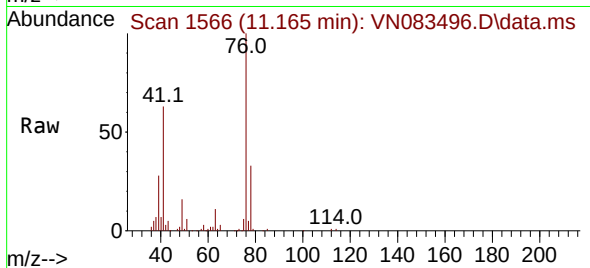
78 33.2 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/28/2024

Supervised By :Mahesh Dadoda 08/28/2024



#58

2-Chloroethyl Vinyl ether

Concen: 282.786 ug/l

RT: 10.159 min Scan# 1395

Delta R.T. -0.000 min

Lab File: VN083496.D

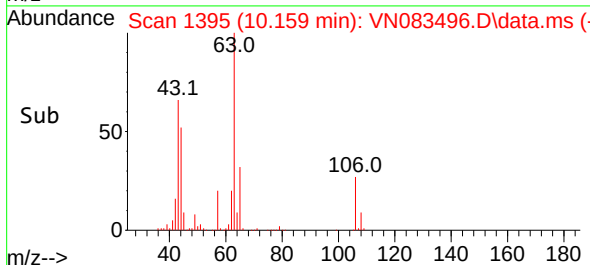
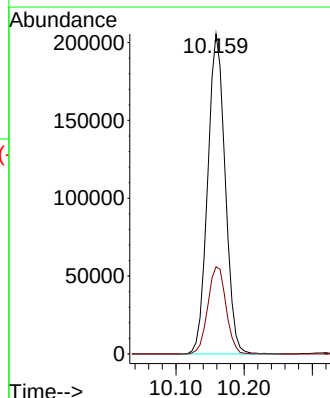
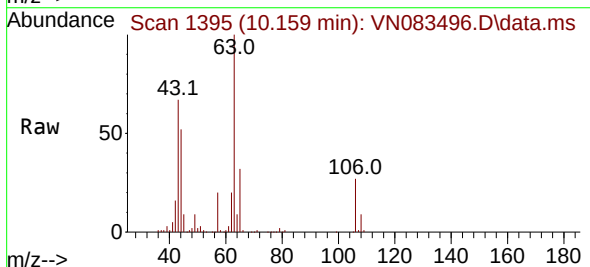
Acq: 27 Aug 2024 09:05

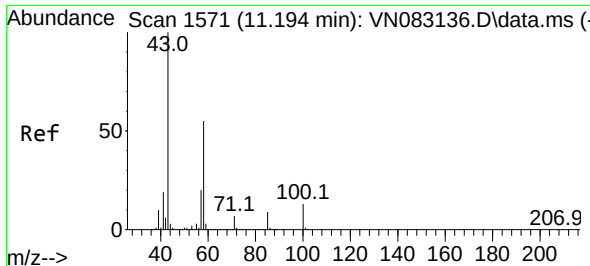
Tgt Ion: 63 Resp: 366342

Ion Ratio Lower Upper

63 100

106 28.4 21.4 32.0





#59

2-Hexanone

Concen: 261.813 ug/l

RT: 11.194 min Scan# 1571

Delta R.T. -0.000 min

Lab File: VN083496.D

Acq: 27 Aug 2024 09:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 516860

Ion Ratio Lower Upper

43 100

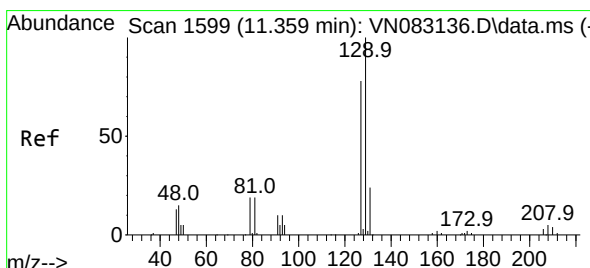
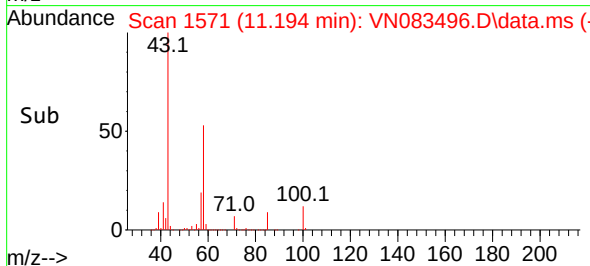
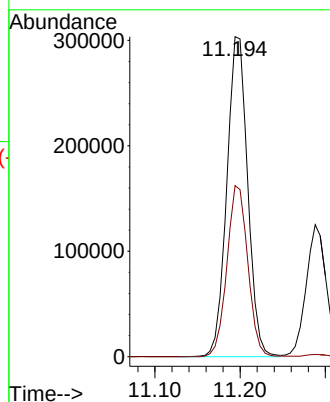
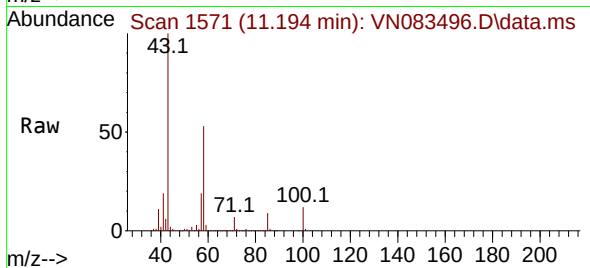
58 53.6 24.6 73.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/28/2024

Supervised By :Mahesh Dadoda 08/28/2024



#60

Dibromochloromethane

Concen: 59.860 ug/l

RT: 11.359 min Scan# 1599

Delta R.T. -0.000 min

Lab File: VN083496.D

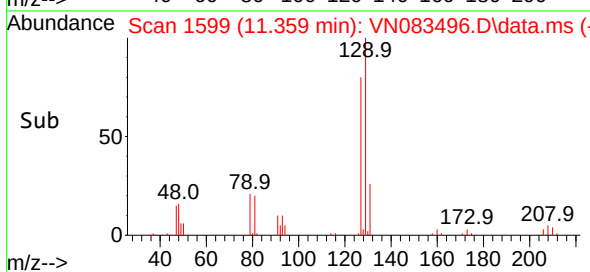
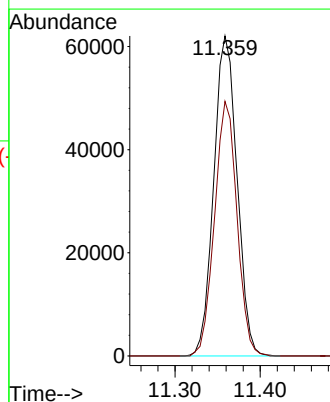
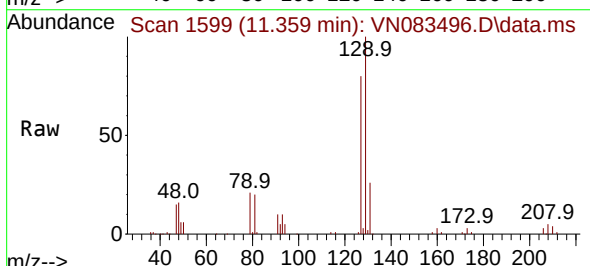
Acq: 27 Aug 2024 09:05

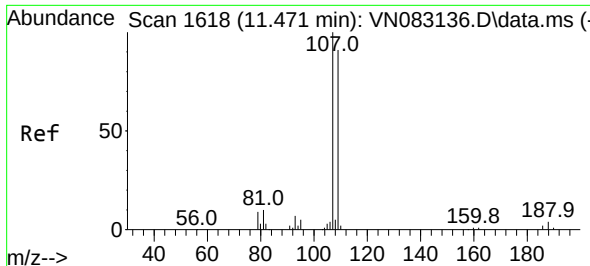
Tgt Ion:129 Resp: 117658

Ion Ratio Lower Upper

129 100

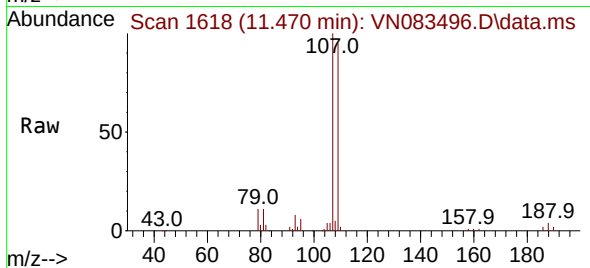
127 76.8 39.2 117.6





#61
1,2-Dibromoethane
Concen: 58.110 ug/l
RT: 11.470 min Scan# 1618
Delta R.T. -0.000 min
Lab File: VN083496.D
Acq: 27 Aug 2024 09:05

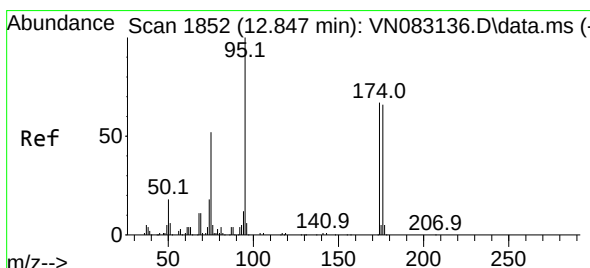
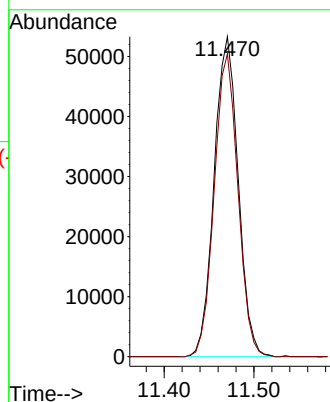
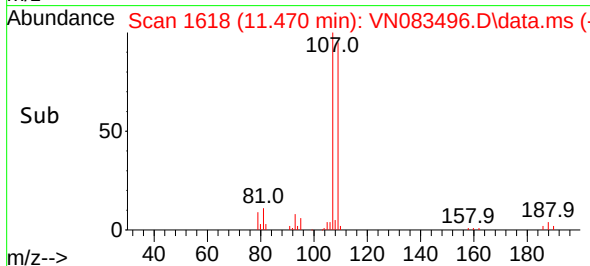
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



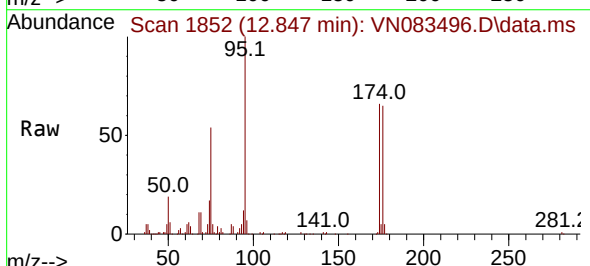
Tgt Ion:107 Resp: 99240
Ion Ratio Lower Upper
107 100
109 93.0 73.7 110.5

Manual Integrations
APPROVED

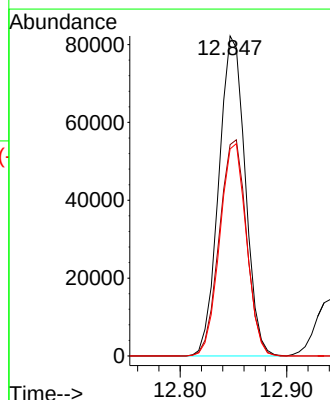
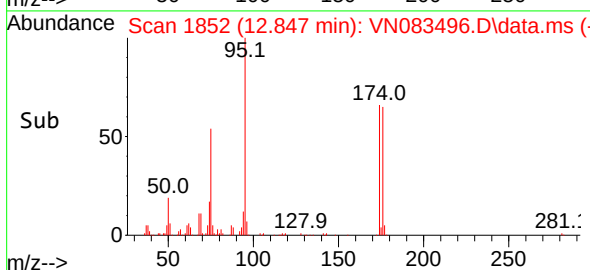
Reviewed By :John Carlone 08/28/2024
Supervised By :Mahesh Dadoda 08/28/2024

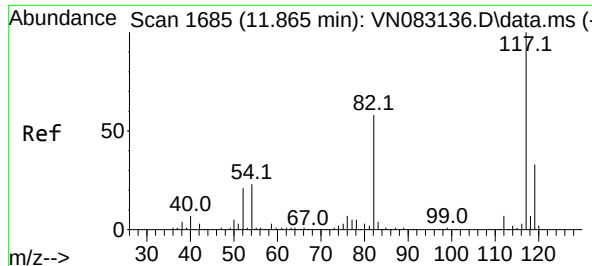


#62
4-Bromofluorobenzene
Concen: 60.974 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN083496.D
Acq: 27 Aug 2024 09:05



Tgt Ion: 95 Resp: 141273
Ion Ratio Lower Upper
95 100
174 69.8 0.0 159.2
176 66.9 0.0 147.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN083496.D

Acq: 27 Aug 2024 09:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion:117 Resp: 224608

Ion Ratio Lower Upper

117 100

82 58.7 47.5 71.3

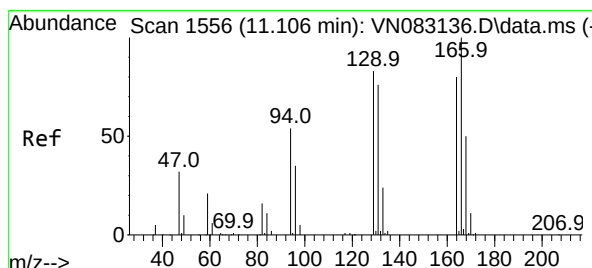
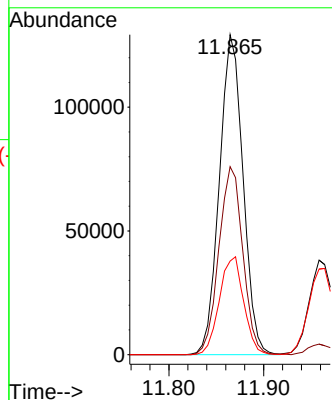
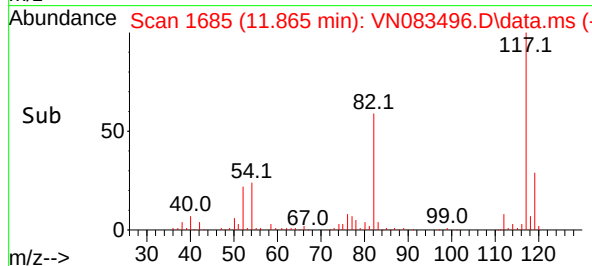
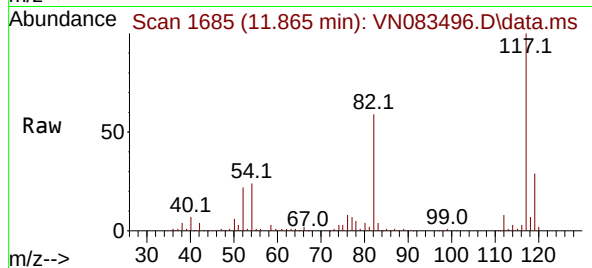
119 29.3 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/28/2024

Supervised By :Mahesh Dadoda 08/28/2024



#64

Tetrachloroethene

Concen: 55.786 ug/l

RT: 11.106 min Scan# 1556

Delta R.T. -0.000 min

Lab File: VN083496.D

Acq: 27 Aug 2024 09:05

Tgt Ion:164 Resp: 82983

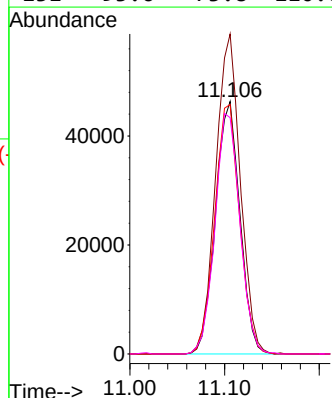
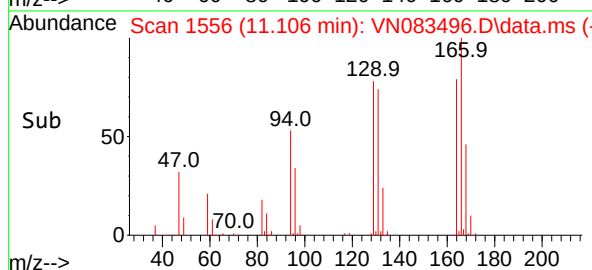
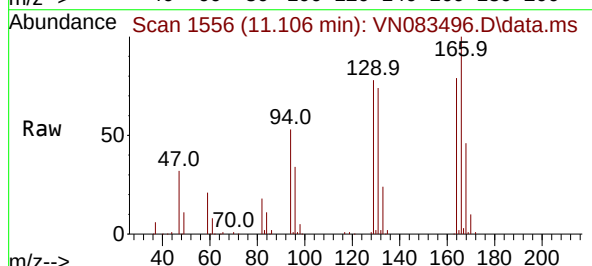
Ion Ratio Lower Upper

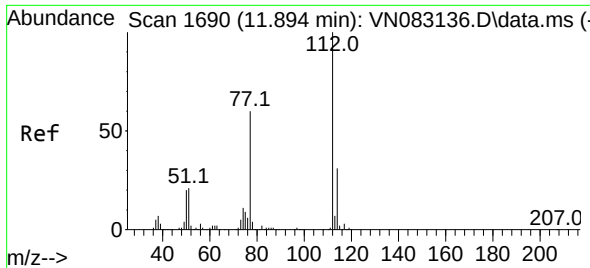
164 100

166 126.8 101.4 152.0

129 98.8 75.7 113.5

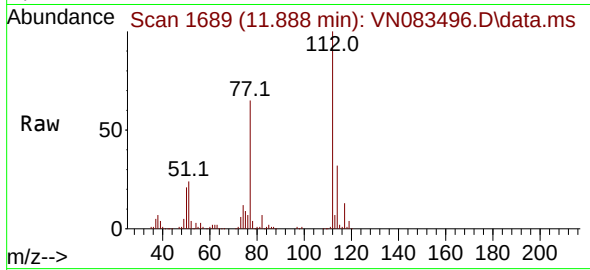
131 93.6 73.8 110.6





#65
Chlorobenzene
Concen: 55.980 ug/l
RT: 11.888 min Scan# 111
Delta R.T. -0.006 min
Lab File: VN083496.D
Acq: 27 Aug 2024 09:05

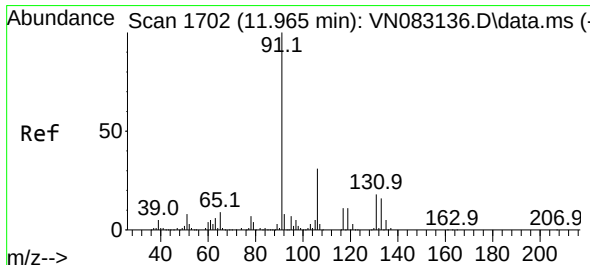
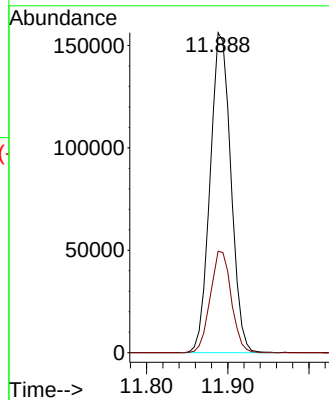
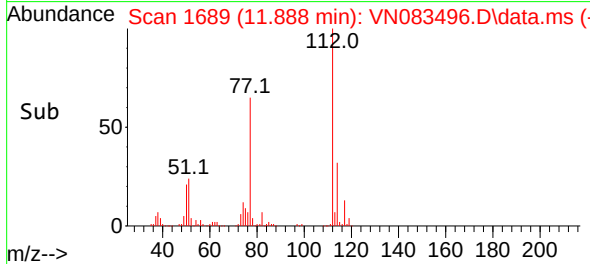
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



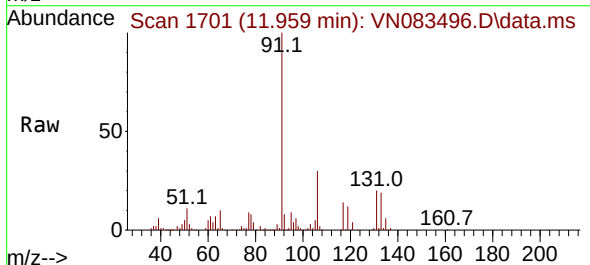
Tgt Ion:112 Resp: 277862
Ion Ratio Lower Upper
112 100
114 31.7 26.2 39.2

Manual Integrations
APPROVED

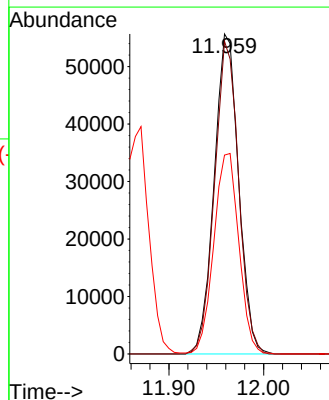
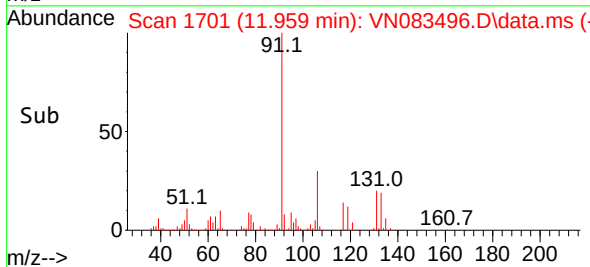
Reviewed By :John Carlone 08/28/2024
Supervised By :Mahesh Dadoda 08/28/2024

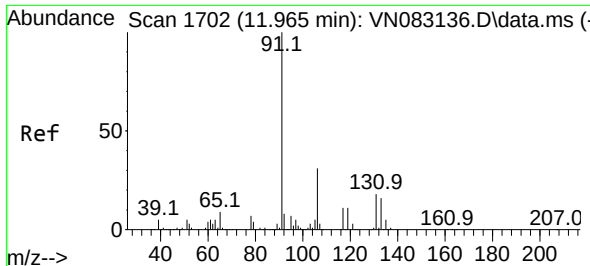


#66
1,1,1,2-Tetrachloroethane
Concen: 57.071 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.006 min
Lab File: VN083496.D
Acq: 27 Aug 2024 09:05



Tgt Ion:131 Resp: 99907
Ion Ratio Lower Upper
131 100
133 95.9 47.3 142.0
119 64.2 32.5 97.4





#67

Ethyl Benzene

Concen: 56.814 ug/l

RT: 11.965 min Scan# 1702

Delta R.T. -0.000 min

Lab File: VN083496.D

Acq: 27 Aug 2024 09:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 517319

Ion Ratio Lower Upper

91 100

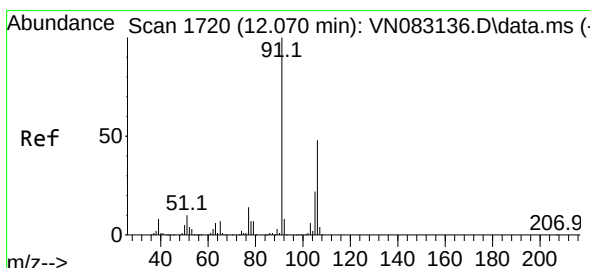
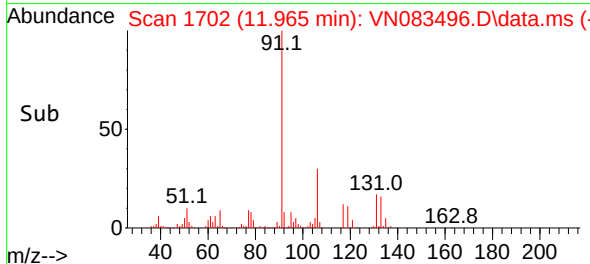
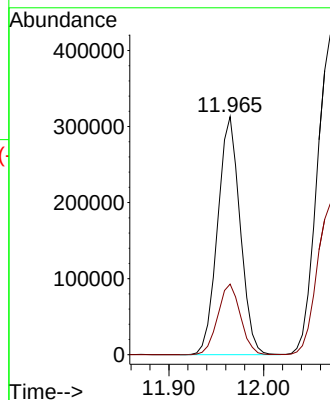
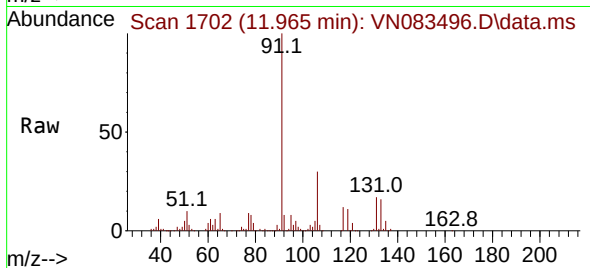
106 29.7 24.0 36.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/28/2024

Supervised By :Mahesh Dadoda 08/28/2024



#68

m/p-Xylenes

Concen: 114.182 ug/l

RT: 12.070 min Scan# 1720

Delta R.T. -0.000 min

Lab File: VN083496.D

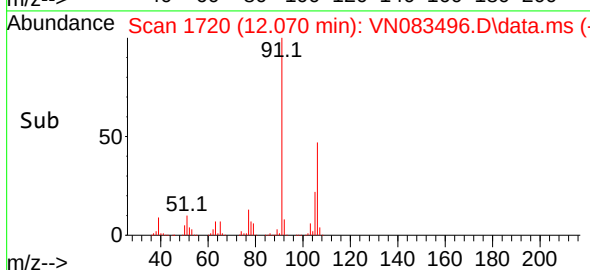
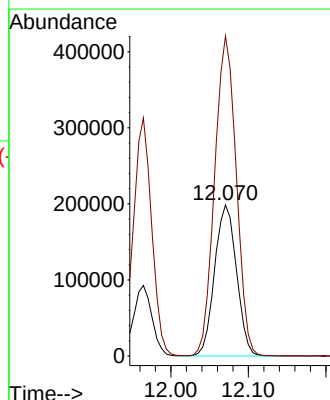
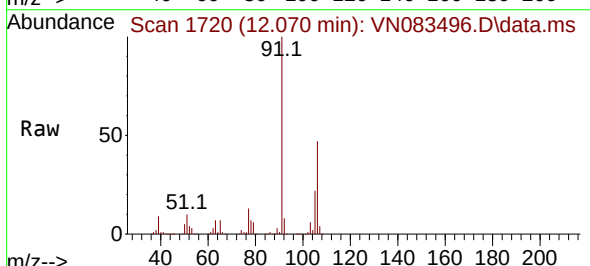
Acq: 27 Aug 2024 09:05

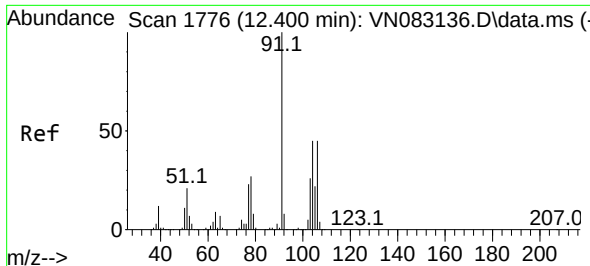
Tgt Ion:106 Resp: 389457

Ion Ratio Lower Upper

106 100

91 209.6 166.1 249.1





#69

o-Xylene

Concen: 56.158 ug/l

RT: 12.400 min Scan# 1776

Delta R.T. -0.000 min

Lab File: VN083496.D

Acq: 27 Aug 2024 09:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion:106 Resp: 188918

Ion Ratio Lower Upper

106 100

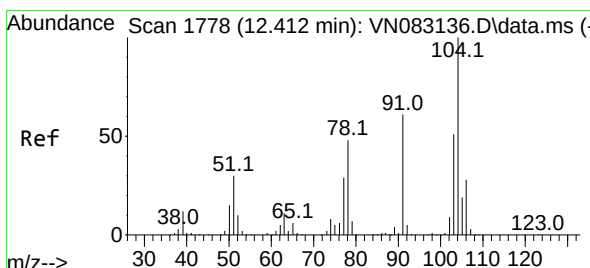
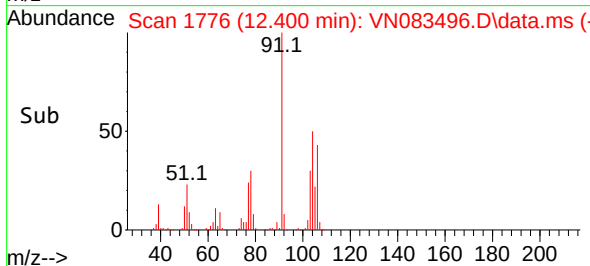
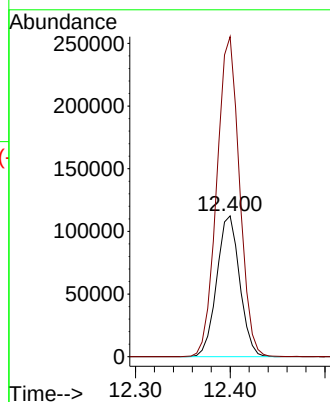
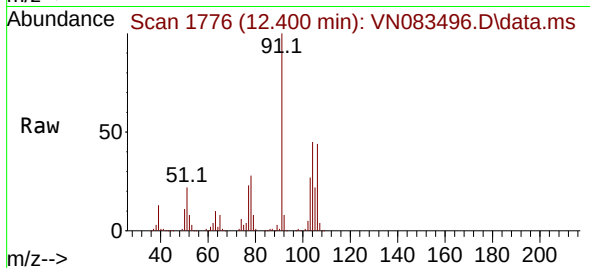
91 225.4 111.3 333.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/28/2024

Supervised By :Mahesh Dadoda 08/28/2024



#70

Styrene

Concen: 56.650 ug/l

RT: 12.412 min Scan# 1778

Delta R.T. -0.000 min

Lab File: VN083496.D

Acq: 27 Aug 2024 09:05

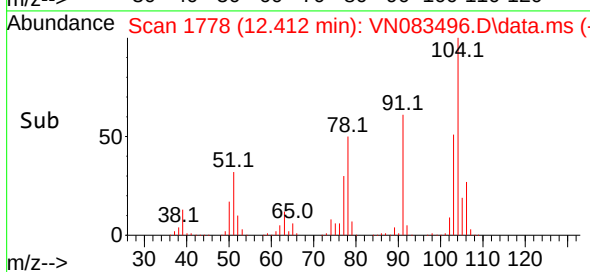
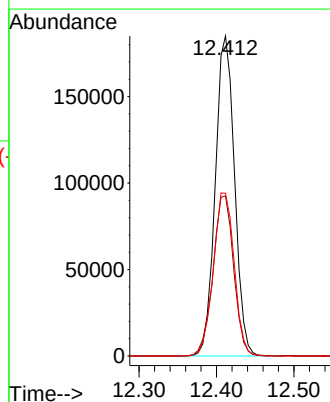
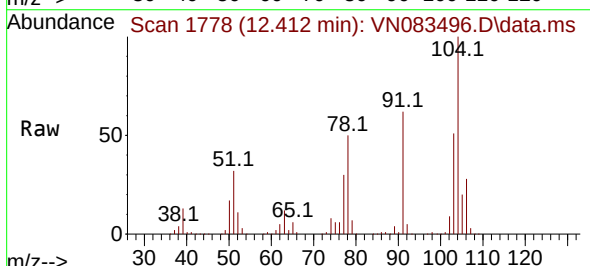
Tgt Ion:104 Resp: 320072

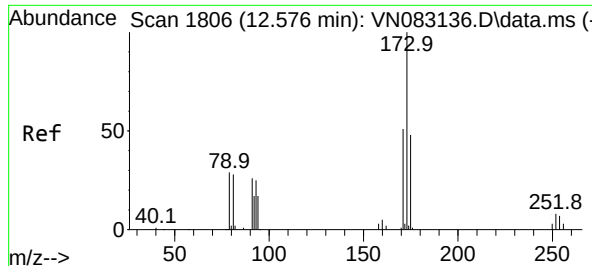
Ion Ratio Lower Upper

104 100

78 53.7 41.6 62.4

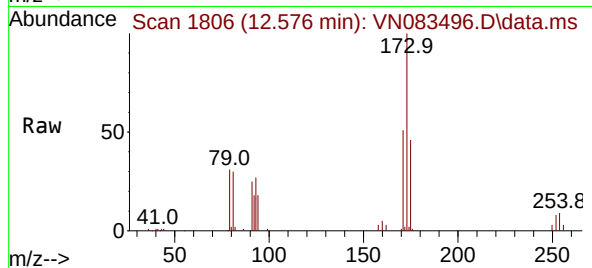
103 55.1 44.0 66.0





#71
Bromoform
Concen: 56.568 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VN083496.D
Acq: 27 Aug 2024 09:05

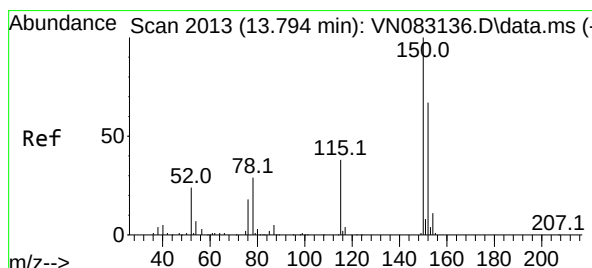
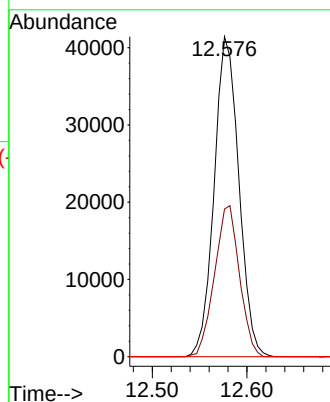
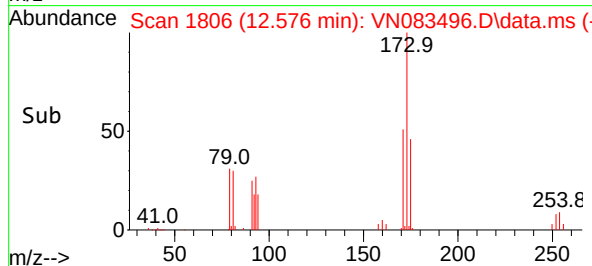
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



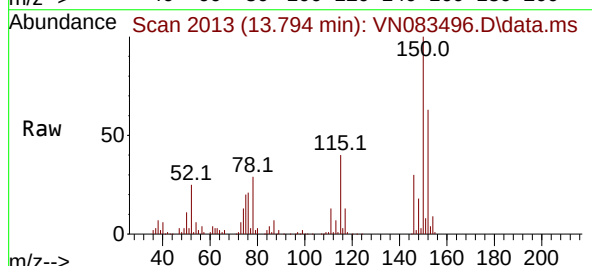
Tgt Ion:173 Resp: 75019
Ion Ratio Lower Upper
173 100
175 47.7 24.0 72.0
254 0.0 0.0 0.0

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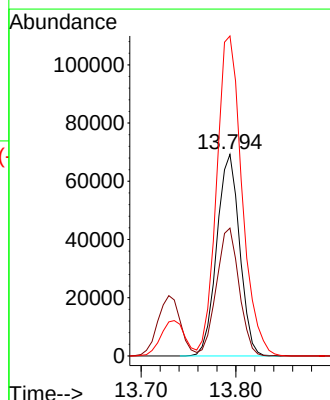
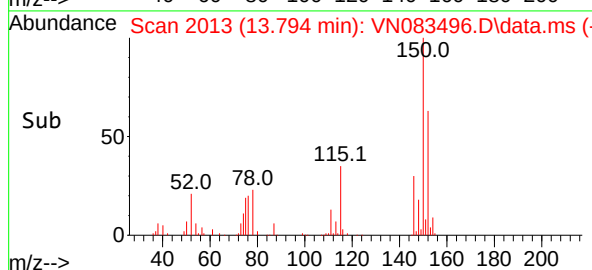
Reviewed By :John Carlone 08/28/2024
Supervised By :Mahesh Dadoda 08/28/2024

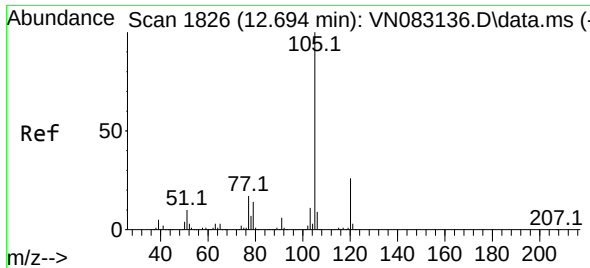


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN083496.D
Acq: 27 Aug 2024 09:05



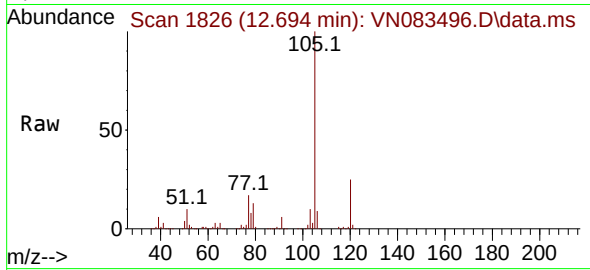
Tgt Ion:152 Resp: 115875
Ion Ratio Lower Upper
152 100
115 63.2 30.6 91.6
150 176.4 0.0 348.6





#73
Isopropylbenzene
Concen: 51.295 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN083496.D
Acq: 27 Aug 2024 09:05

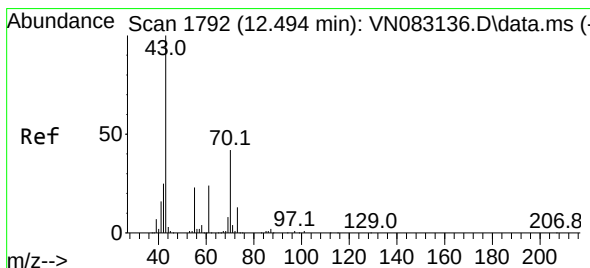
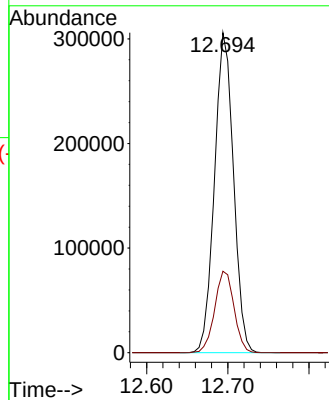
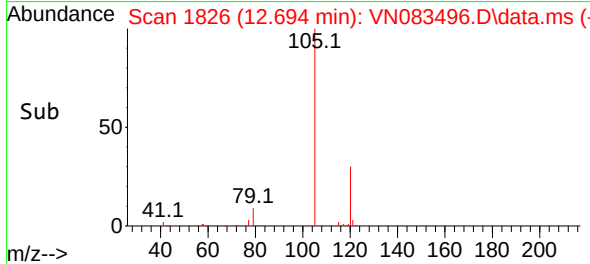
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 105 Resp: 497150
Ion Ratio Lower Upper
105 100
120 25.9 12.9 38.6

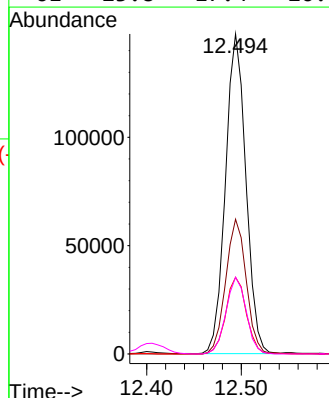
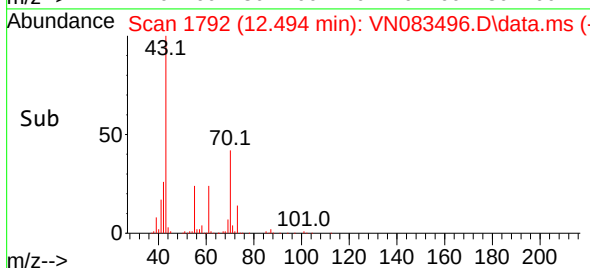
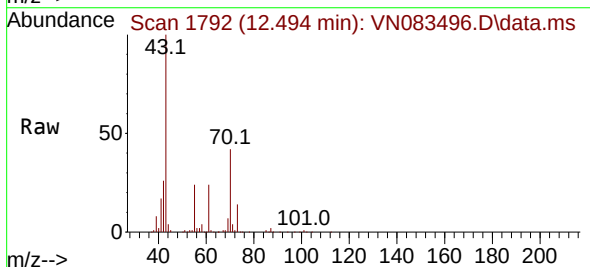
Manual Integrations
APPROVED

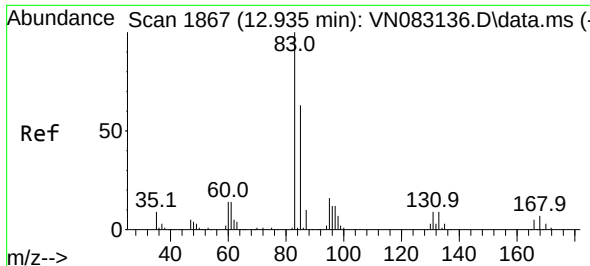
Reviewed By :John Carlone 08/28/2024
Supervised By :Mahesh Dadoda 08/28/2024



#74
N-ethyl acetate
Concen: 46.620 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN083496.D
Acq: 27 Aug 2024 09:05

Tgt Ion: 43 Resp: 221017
Ion Ratio Lower Upper
43 100
70 42.6 29.8 44.6
55 24.2 18.7 28.1
61 23.8 17.4 26.0





#75

1,1,2,2-Tetrachloroethane

Concen: 52.693 ug/l

RT: 12.941 min Scan# 1868

Delta R.T. 0.006 min

Lab File: VN083496.D

Acq: 27 Aug 2024 09:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 14444

Ion Ratio Lower Upper

83 100

131 10.3 5.0 14.9

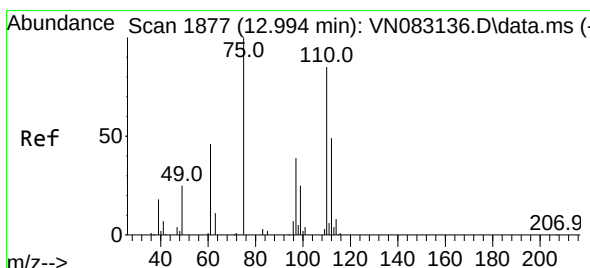
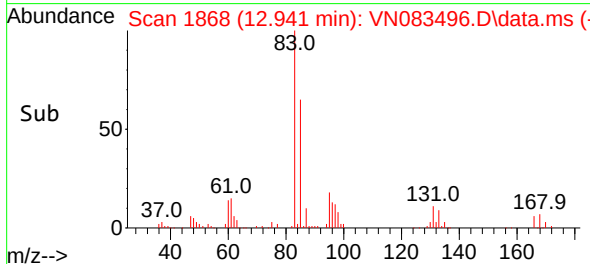
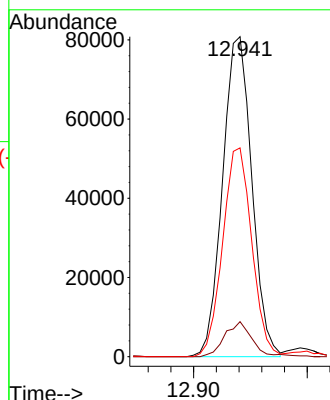
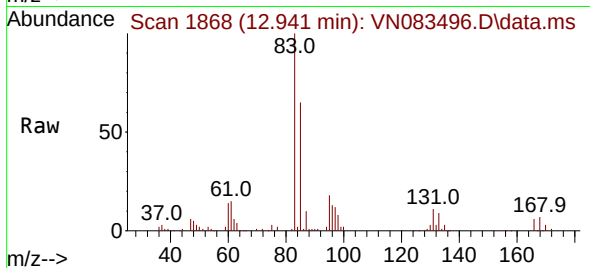
85 65.1 31.9 95.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/28/2024

Supervised By :Mahesh Dadoda 08/28/2024



#76

1,2,3-Trichloropropane

Concen: 43.395 ug/l m

RT: 12.994 min Scan# 1877

Delta R.T. -0.000 min

Lab File: VN083496.D

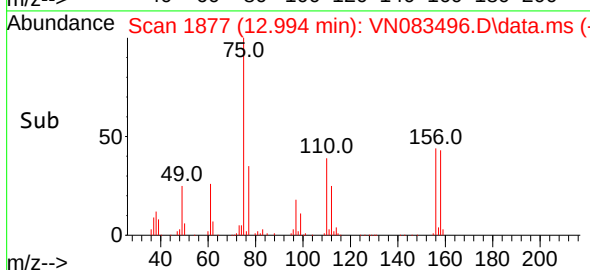
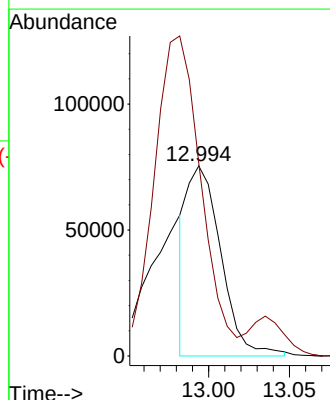
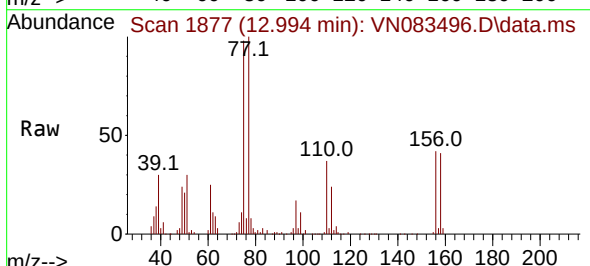
Acq: 27 Aug 2024 09:05

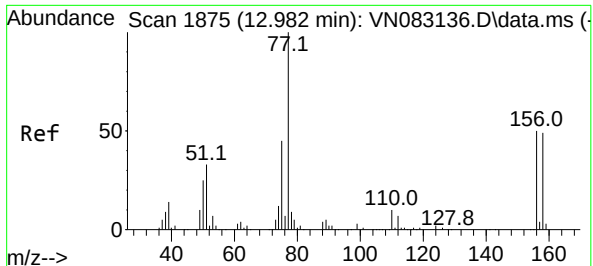
Tgt Ion: 75 Resp: 110361

Ion Ratio Lower Upper

75 100

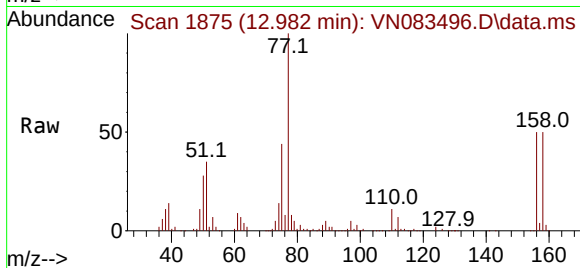
77 233.2 110.9 332.6





#77
Bromobenzene
Concen: 50.877 ug/l
RT: 12.982 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VN083496.D
Acq: 27 Aug 2024 09:05

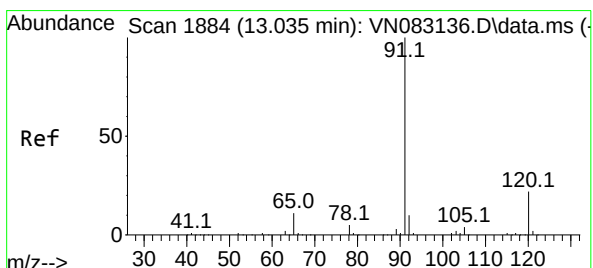
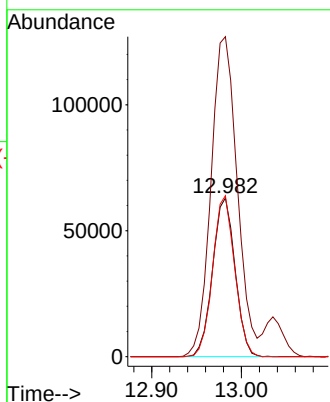
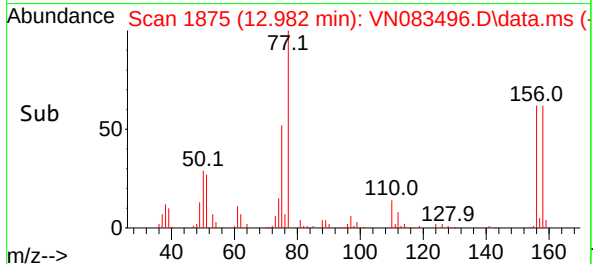
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



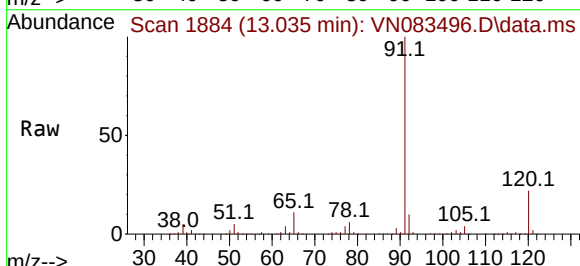
Tgt Ion:156 Resp: 109538
Ion Ratio Lower Upper
156 100
77 234.9 111.3 333.8
158 99.3 48.3 144.9

Manual Integrations
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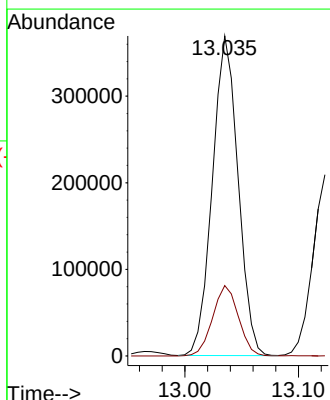
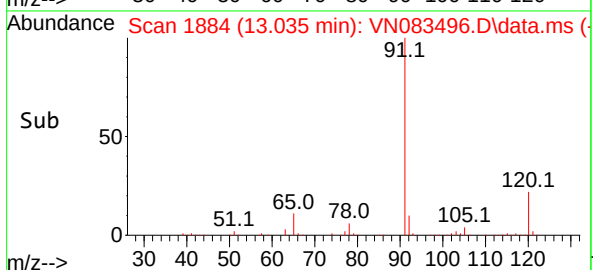
Reviewed By :John Carlone 08/28/2024
Supervised By :Mahesh Dadoda 08/28/2024

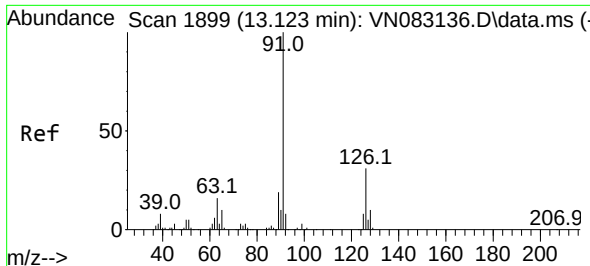


#78
n-propylbenzene
Concen: 51.921 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN083496.D
Acq: 27 Aug 2024 09:05



Tgt Ion: 91 Resp: 579451
Ion Ratio Lower Upper
91 100
120 22.1 10.9 32.9





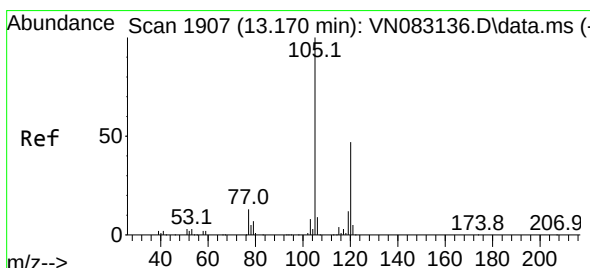
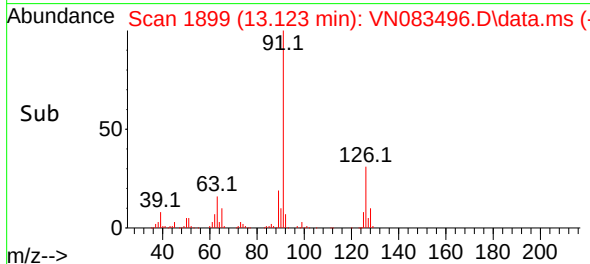
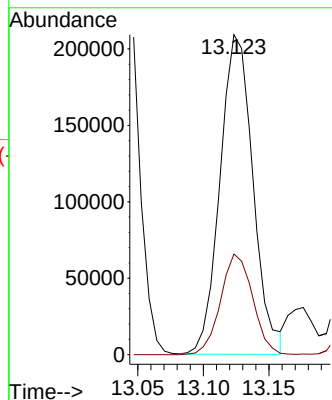
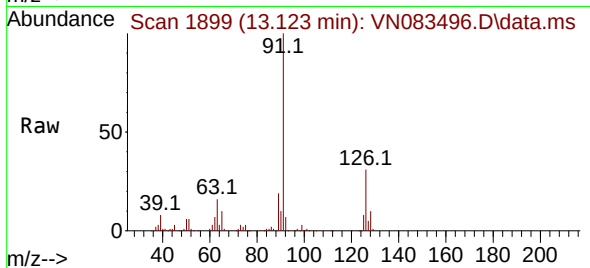
#79
2-Chlorotoluene
Concen: 51.703 ug/l
RT: 13.123 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN083496.D
Acq: 27 Aug 2024 09:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 36582
Ion Ratio Lower Upper
91 100
126 30.6 16.2 48.6

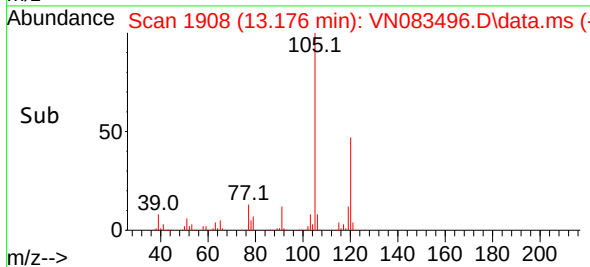
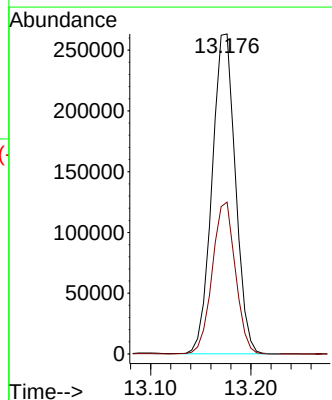
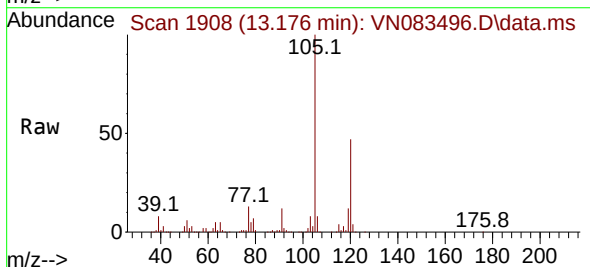
Manual Integrations
APPROVED

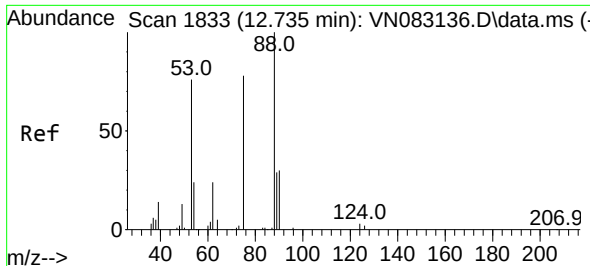
Reviewed By :John Carlone 08/28/2024
Supervised By :Mahesh Dadoda 08/28/2024



#80
1,3,5-Trimethylbenzene
Concen: 52.556 ug/l
RT: 13.176 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VN083496.D
Acq: 27 Aug 2024 09:05

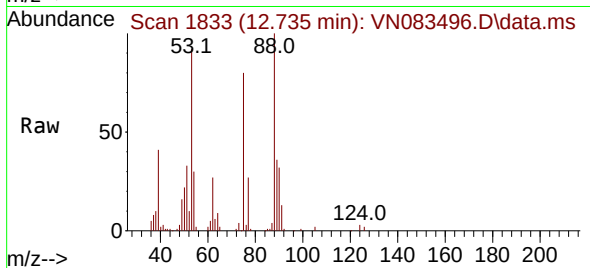
Tgt Ion:105 Resp: 426453
Ion Ratio Lower Upper
105 100
120 47.0 24.3 72.8





#81
trans-1,4-Dichloro-2-butene
Concen: 50.398 ug/l
RT: 12.735 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN083496.D
Acq: 27 Aug 2024 09:05

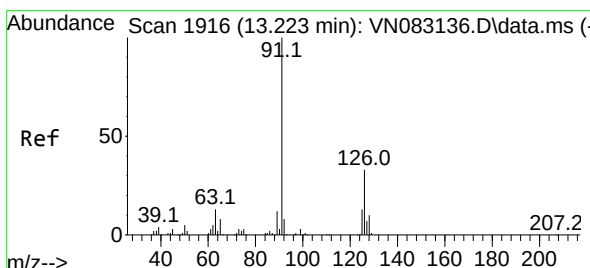
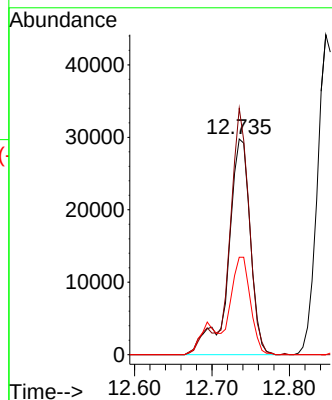
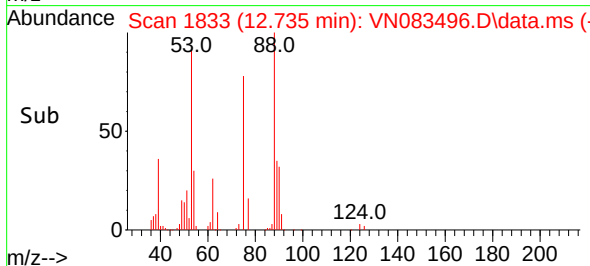
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 75 Resp: 5892
Ion Ratio Lower Upper
75 100
53 96.7 88.4 132.6
89 39.8 36.3 54.5

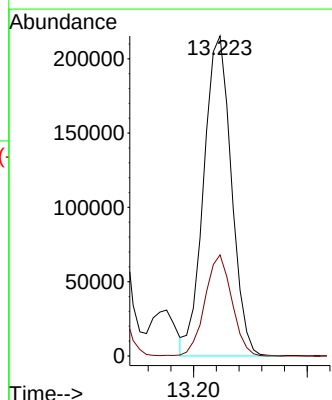
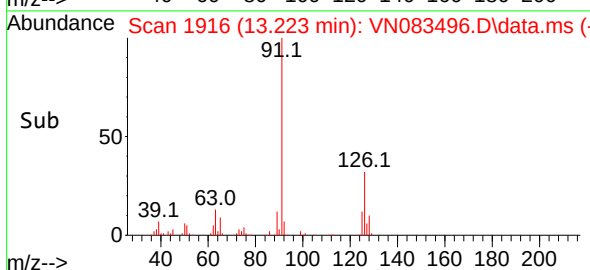
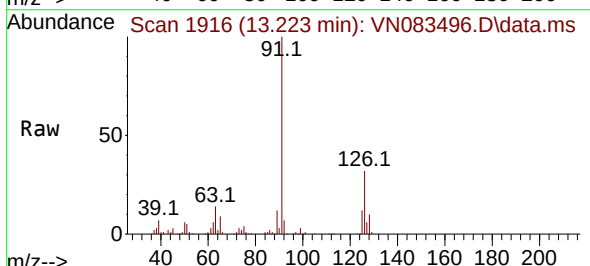
Manual Integrations
APPROVED

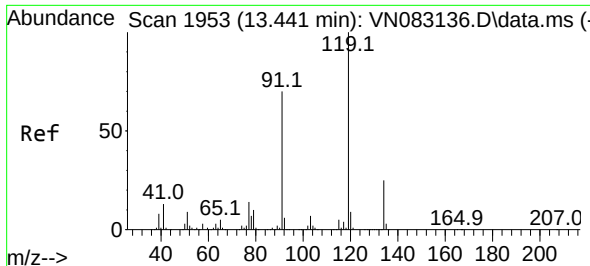
Reviewed By :John Carlone 08/28/2024
Supervised By :Mahesh Dadoda 08/28/2024



#82
4-Chlorotoluene
Concen: 51.283 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. -0.000 min
Lab File: VN083496.D
Acq: 27 Aug 2024 09:05

Tgt Ion: 91 Resp: 363966
Ion Ratio Lower Upper
91 100
126 30.7 16.2 48.6





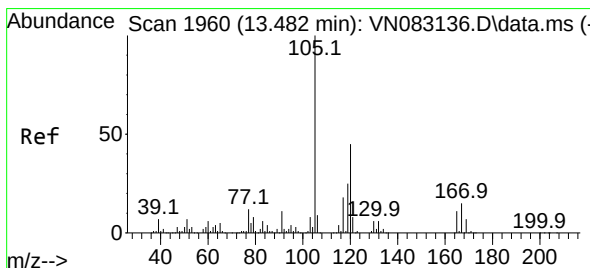
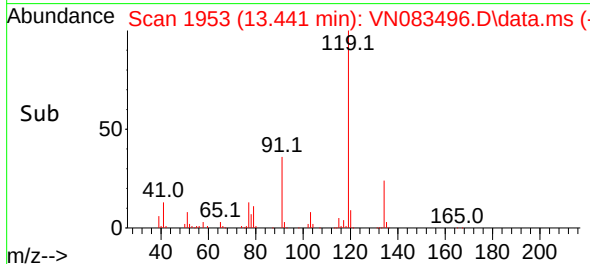
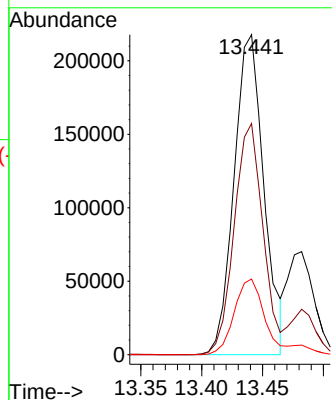
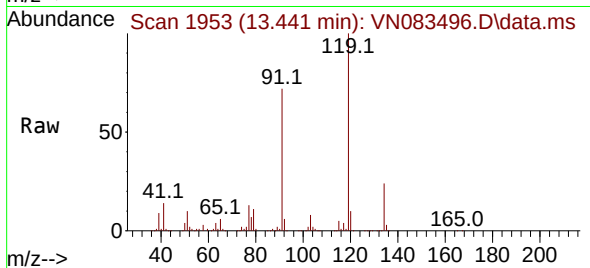
#83
tert-Butylbenzene
Concen: 51.735 ug/l
RT: 13.441 min Scan# 1953
Delta R.T. -0.000 min
Lab File: VN083496.D
Acq: 27 Aug 2024 09:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:119 Resp: 371760
Ion Ratio Lower Upper
119 100
91 69.7 35.0 105.1
134 23.8 13.3 39.8

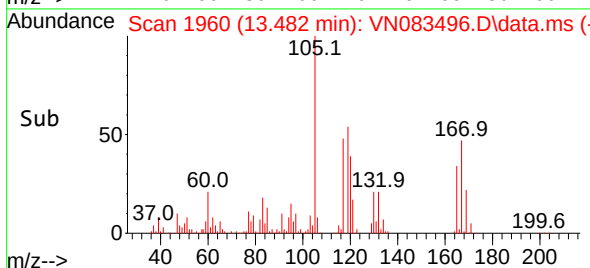
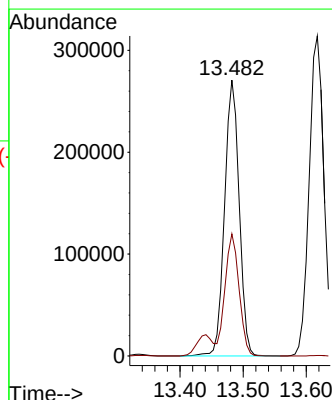
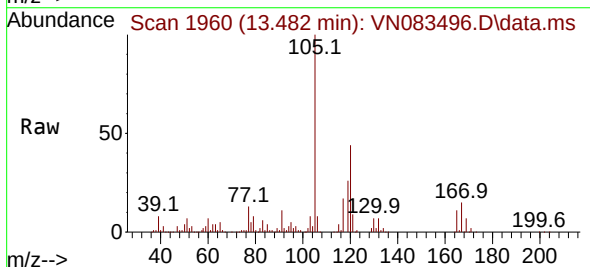
Manual Integrations
APPROVED

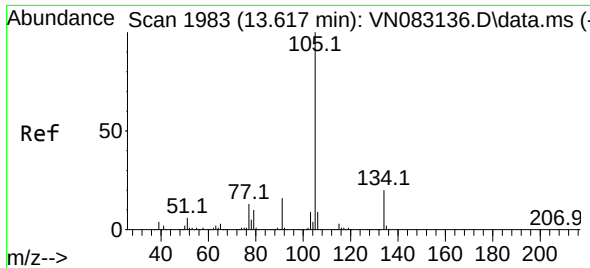
Reviewed By :John Carlone 08/28/2024
Supervised By :Mahesh Dadoda 08/28/2024



#84
1,2,4-Trimethylbenzene
Concen: 53.148 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN083496.D
Acq: 27 Aug 2024 09:05

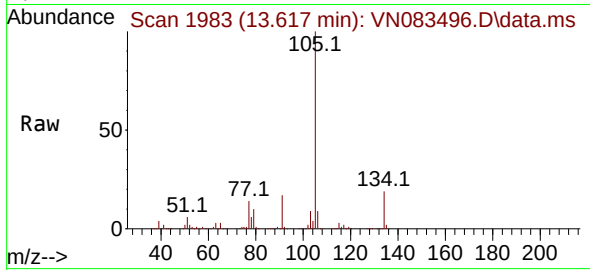
Tgt Ion:105 Resp: 434612
Ion Ratio Lower Upper
105 100
120 42.3 21.9 65.8





#85
sec-Butylbenzene
Concen: 51.880 ug/l
RT: 13.617 min Scan# 1983
Delta R.T. -0.000 min
Lab File: VN083496.D
Acq: 27 Aug 2024 09:05

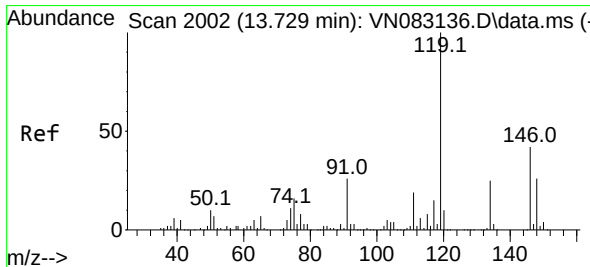
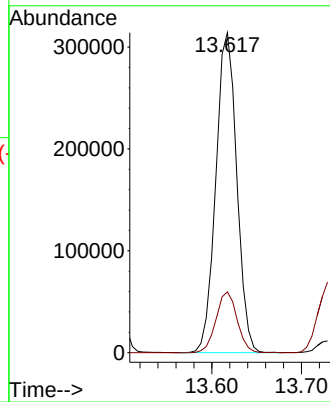
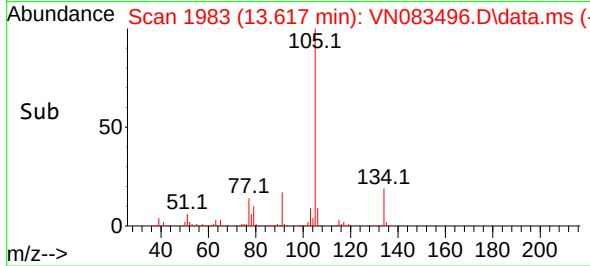
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



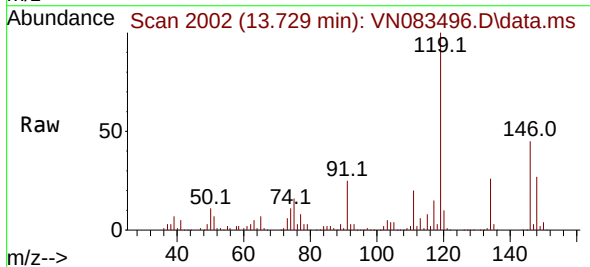
Tgt Ion:105 Resp: 508690
Ion Ratio Lower Upper
105 100
134 19.1 9.8 29.3

Manual Integrations
APPROVED

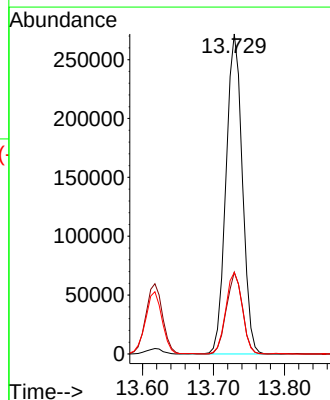
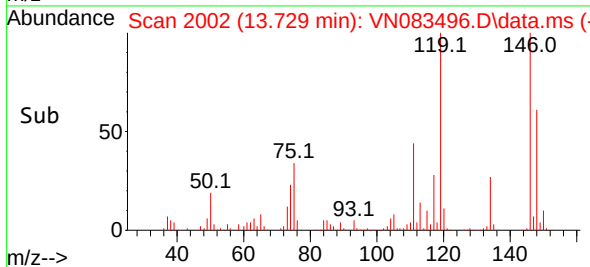
Reviewed By :John Carlone 08/28/2024
Supervised By :Mahesh Dadoda 08/28/2024

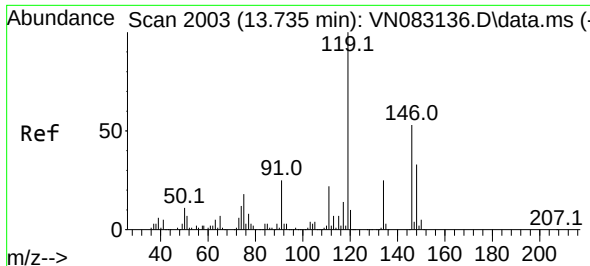


#86
p-Isopropyltoluene
Concen: 53.549 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN083496.D
Acq: 27 Aug 2024 09:05



Tgt Ion:119 Resp: 433534
Ion Ratio Lower Upper
119 100
134 24.9 13.0 39.0
91 25.7 12.3 36.9





#87

1,3-Dichlorobenzene

Concen: 52.951 ug/l

RT: 13.735 min Scan# 2003

Delta R.T. -0.000 min

Lab File: VN083496.D

Acq: 27 Aug 2024 09:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

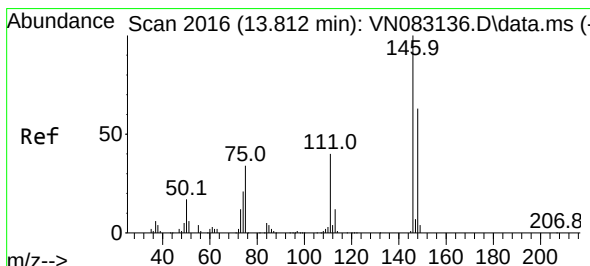
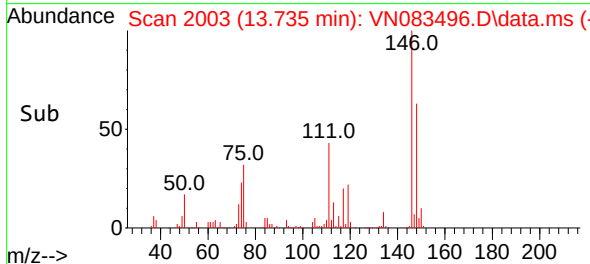
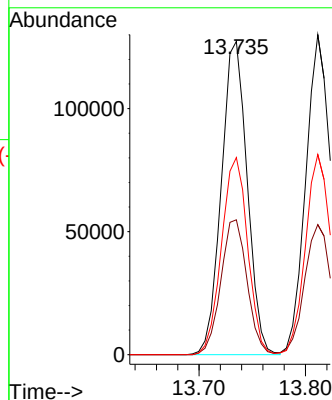
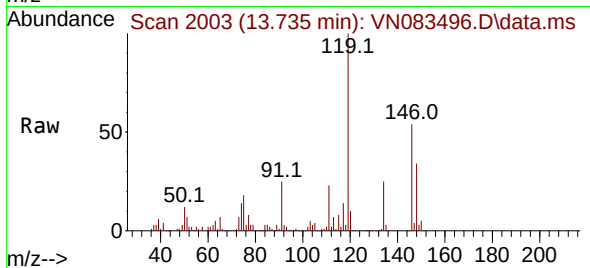
Tgt Ion:	146	Resp:	21451
Ion Ratio	Lower	Upper	
146	100		
111	43.6	20.6	61.9
148	63.6	31.8	95.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/28/2024

Supervised By :Mahesh Dadoda 08/28/2024



#88

1,4-Dichlorobenzene

Concen: 52.153 ug/l

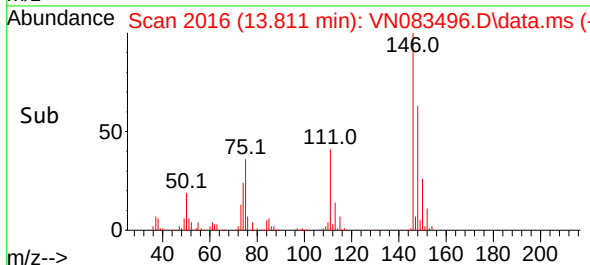
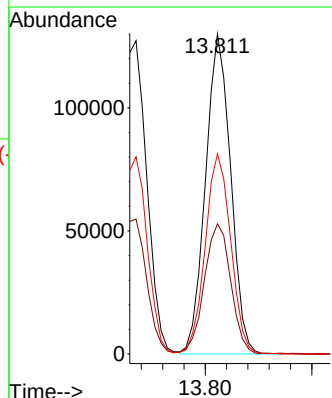
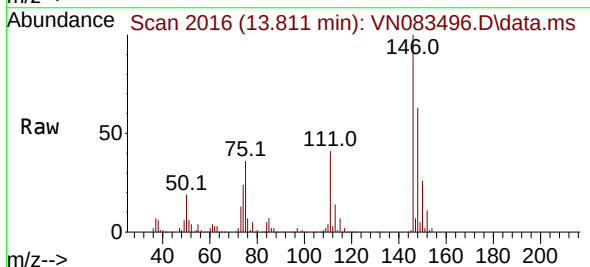
RT: 13.811 min Scan# 2016

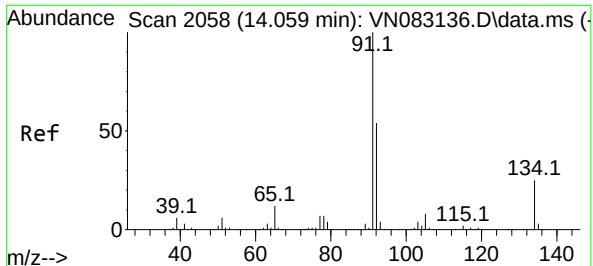
Delta R.T. -0.000 min

Lab File: VN083496.D

Acq: 27 Aug 2024 09:05

Tgt Ion:	146	Resp:	213006
Ion Ratio	Lower	Upper	
146	100		
111	42.5	20.1	60.3
148	63.6	32.2	96.6





#89

n-Butylbenzene

Concen: 52.633 ug/l

RT: 14.059 min Scan# 2058

Delta R.T. -0.000 min

Lab File: VN083496.D

Acq: 27 Aug 2024 09:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 369224

Ion Ratio Lower Upper

91 100

92 53.2 26.1 78.3

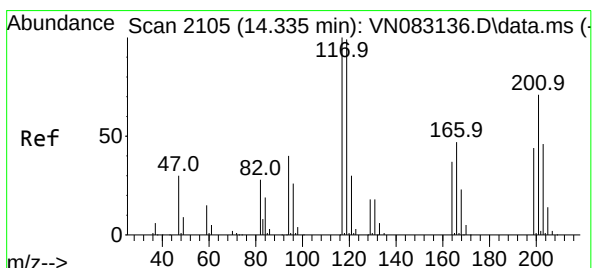
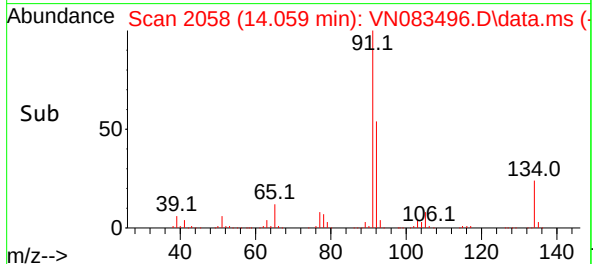
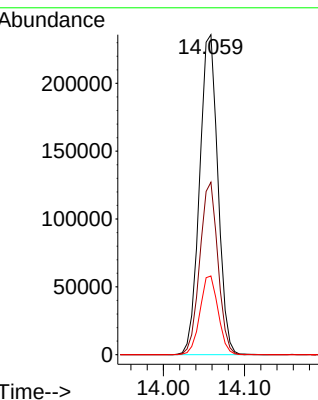
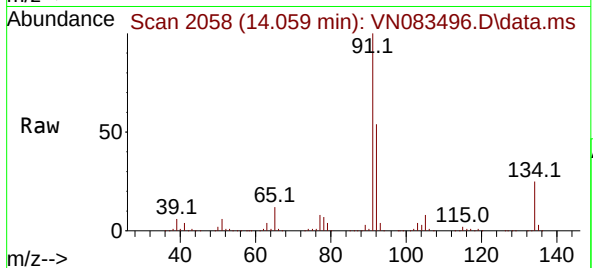
134 24.4 12.1 36.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/28/2024

Supervised By :Mahesh Dadoda 08/28/2024



#90

Hexachloroethane

Concen: 52.921 ug/l

RT: 14.335 min Scan# 2105

Delta R.T. -0.000 min

Lab File: VN083496.D

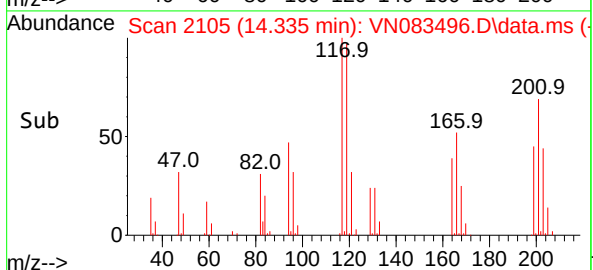
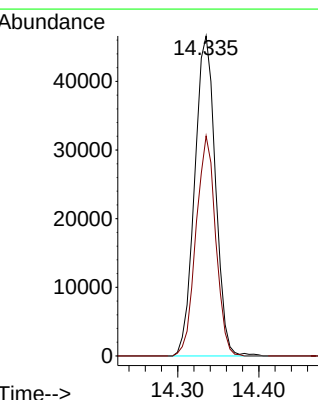
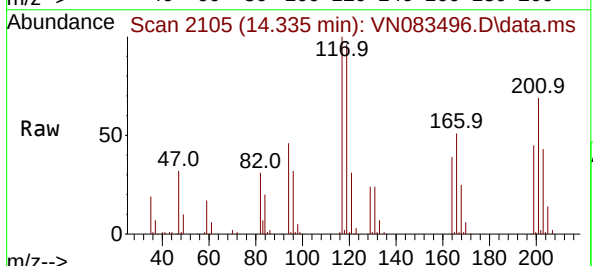
Acq: 27 Aug 2024 09:05

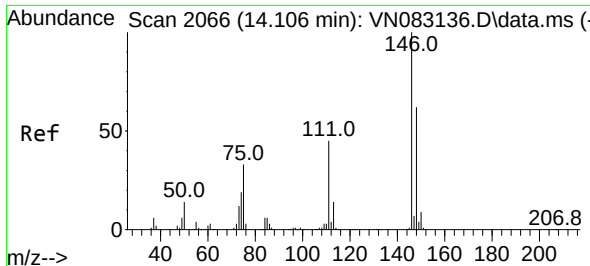
Tgt Ion:117 Resp: 82775

Ion Ratio Lower Upper

117 100

201 65.2 35.8 107.3





#91

1,2-Dichlorobenzene

Concen: 54.473 ug/l

RT: 14.106 min Scan# 2066

Delta R.T. -0.000 min

Lab File: VN083496.D

Acq: 27 Aug 2024 09:05

Instrument :

MSVOA_N

ClientSampleId :

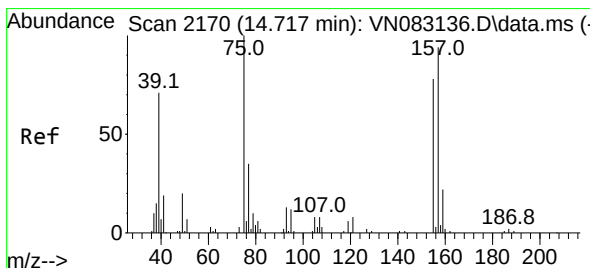
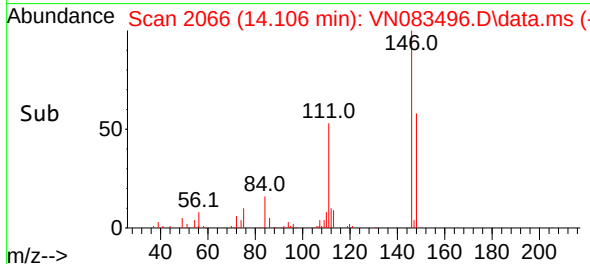
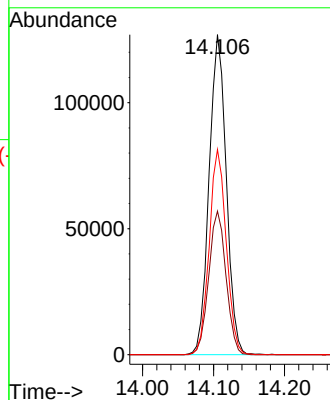
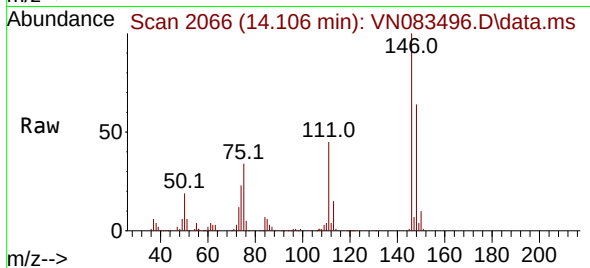
VSTDCCC050

Tgt Ion:	146	Resp:	21355
Ion Ratio	Lower	Upper	
146	100		
111	45.2	21.4	64.2
148	63.6	32.1	96.5

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/28/2024

Supervised By :Mahesh Dadoda 08/28/2024



#92

1,2-Dibromo-3-Chloropropane

Concen: 48.179 ug/l

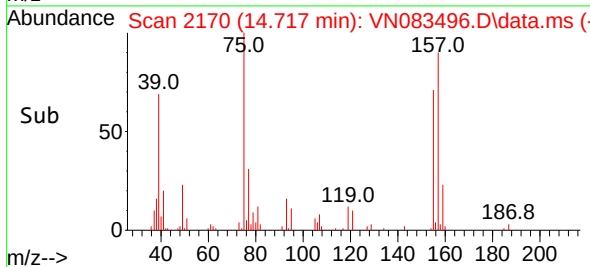
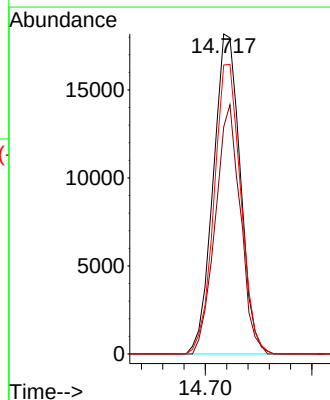
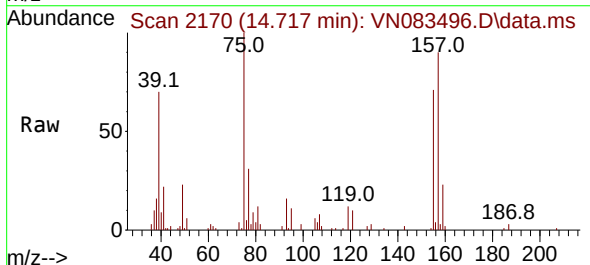
RT: 14.717 min Scan# 2170

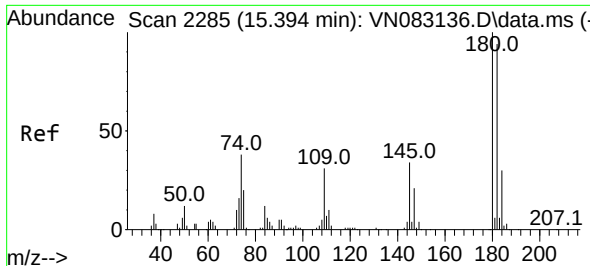
Delta R.T. -0.000 min

Lab File: VN083496.D

Acq: 27 Aug 2024 09:05

Tgt Ion:	75	Resp:	32048
Ion Ratio	Lower	Upper	
75	100		
155	72.3	36.6	109.8
157	89.4	46.9	140.6





#93

1,2,4-Trichlorobenzene

Concen: 51.437 ug/l

RT: 15.394 min Scan# 2285

Delta R.T. -0.000 min

Lab File: VN083496.D

Acq: 27 Aug 2024 09:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDC050

Tgt Ion:180 Resp: 112970

Ion Ratio Lower Upper

180 100

182 95.0 47.3 141.8

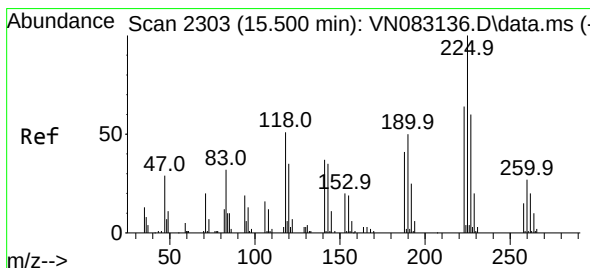
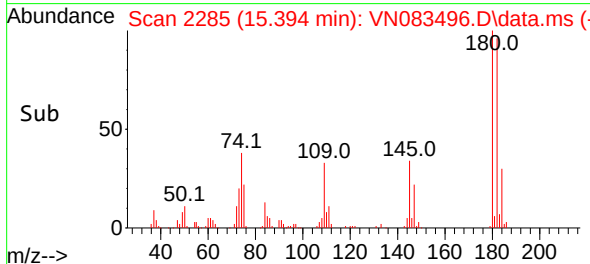
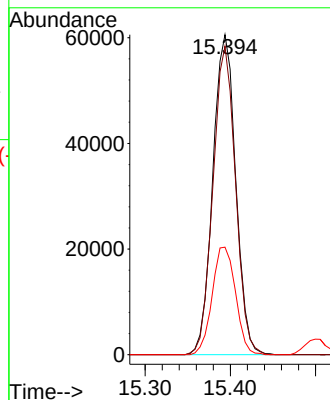
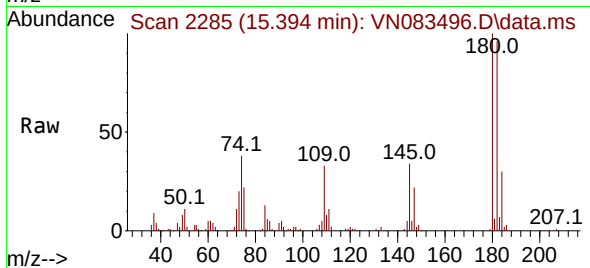
145 34.3 15.7 47.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/28/2024

Supervised By :Mahesh Dadoda 08/28/2024



#94

Hexachlorobutadiene

Concen: 49.482 ug/l

RT: 15.500 min Scan# 2303

Delta R.T. -0.000 min

Lab File: VN083496.D

Acq: 27 Aug 2024 09:05

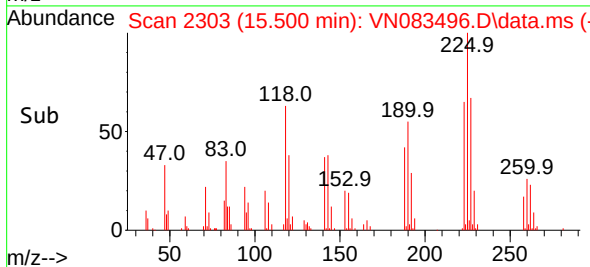
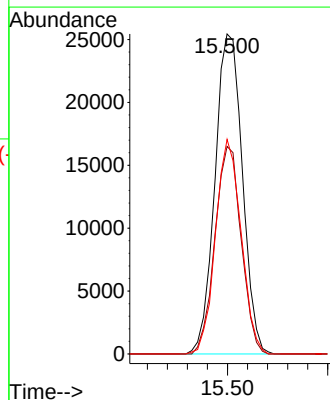
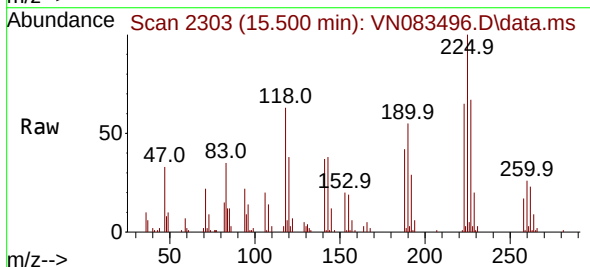
Tgt Ion:225 Resp: 48332

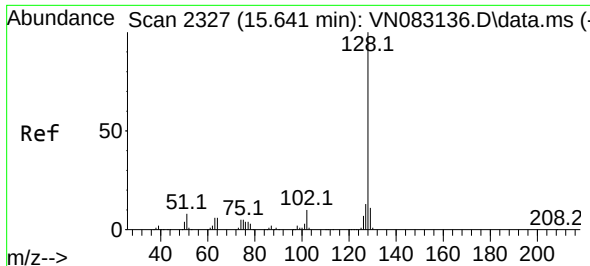
Ion Ratio Lower Upper

225 100

223 62.0 31.9 95.7

227 62.4 32.5 97.5





#95

Naphthalene

Concen: 48.830 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. -0.000 min

Lab File: VN083496.D

Acq: 27 Aug 2024 09:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

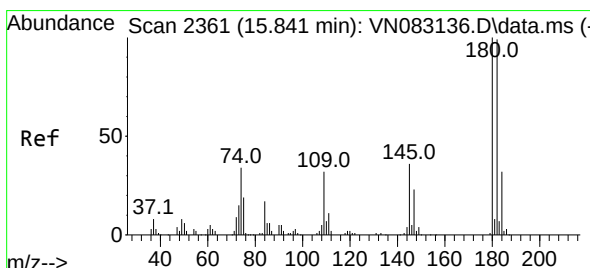
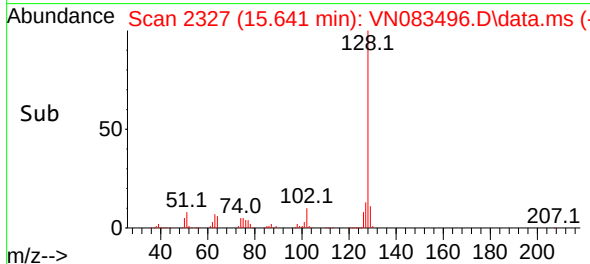
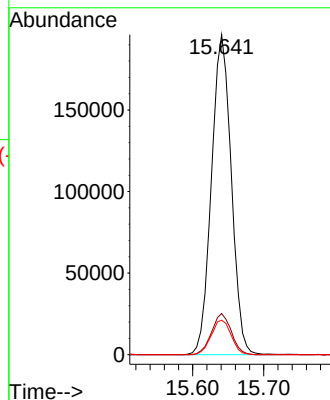
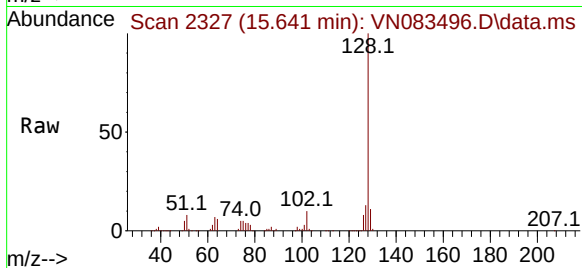
Tgt Ion:	128	Resp:	37988
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.6	16.0
129	10.9	8.6	12.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/28/2024

Supervised By :Mahesh Dadoda 08/28/2024



#96

1,2,3-Trichlorobenzene

Concen: 51.579 ug/l

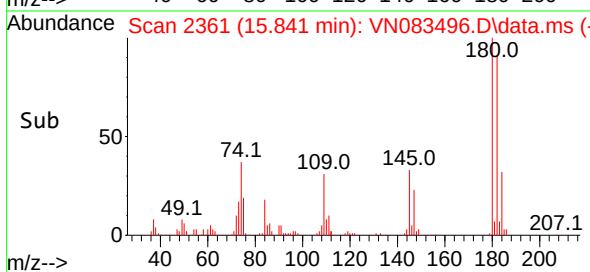
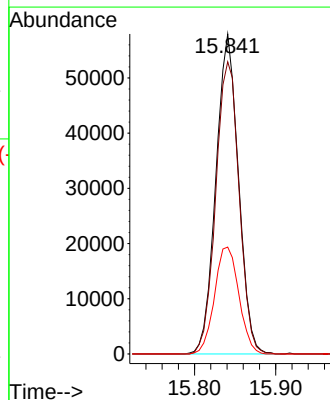
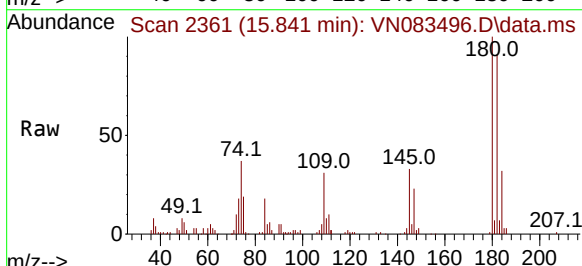
RT: 15.841 min Scan# 2361

Delta R.T. -0.000 min

Lab File: VN083496.D

Acq: 27 Aug 2024 09:05

Tgt Ion:	180	Resp:	112090
Ion Ratio	Lower	Upper	
180	100		
182	94.4	48.9	146.8
145	35.9	16.8	50.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082724\
Data File : VN083496.D
Acq On : 27 Aug 2024 09:05
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Aug 28 01:39:09 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 08 06:30:41 2024
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	73	0.00
2 T	Dichlorodifluoromethane	0.567	0.525	7.4	67	0.00
3 P	Chloromethane	0.581	0.604	-4.0	75	0.00
4 C	Vinyl Chloride	0.592	0.649	-9.6#	79	0.00
5 T	Bromomethane	0.368	0.332	9.8	68	-0.04
6 T	Chloroethane	0.371	0.427	-15.1	88	-0.04
7 T	Trichlorofluoromethane	0.979	1.123	-14.7	82	-0.02
8 T	Diethyl Ether	0.364	0.408	-12.1	81	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.539	0.641	-18.9	86	0.00
10 T	Methyl Iodide	0.710	0.820	-15.5	81	-0.02
11 T	Tert butyl alcohol	0.148	0.138	6.8	69	0.00
12 CM	1,1-Dichloroethene	0.554	0.587	-6.0#	79	-0.02
13 T	Acrolein	0.096	0.097	-1.0	70	-0.01
14 T	Allyl chloride	1.047	1.106	-5.6	87	0.00
15 T	Acrylonitrile	0.304	0.326	-7.2	78	0.00
16 T	Acetone	0.278	0.310	-11.5	79	0.00
17 T	Carbon Disulfide	1.622	1.500	7.5	70	-0.01
18 T	Methyl Acetate	0.830	0.899	-8.3	85	0.00
19 T	Methyl tert-butyl Ether	2.001	2.250	-12.4	81	0.00
20 T	Methylene Chloride	0.641	0.687	-7.2	84	0.00
21 T	trans-1,2-Dichloroethene	0.573	0.608	-6.1	77	-0.02
22 T	Diisopropyl ether	1.969	2.316	-17.6	84	0.00
23 T	Vinyl Acetate	2.018	2.394	-18.6	83	0.00
24 P	1,1-Dichloroethane	1.073	1.278	-19.1	86	0.00
25 T	2-Butanone	0.428	0.448	-4.7	77	0.00
26 T	2,2-Dichloropropane	0.997	1.178	-18.2	84	0.00
27 T	cis-1,2-Dichloroethene	0.691	0.781	-13.0	83	0.00
28 T	Bromochloromethane	0.439	0.512	-16.6	85	0.00
29 T	Tetrahydrofuran	0.276	0.287	-4.0	75	0.00
30 C	Chloroform	1.115	1.355	-21.5#	87	0.00
31 T	Cyclohexane	1.055	1.071	-1.5	80	0.00
32 T	1,1,1-Trichloroethane	1.055	1.260	-19.4	86	0.00
33 S	1,2-Dichloroethane-d4	0.712	0.883	-24.0	87	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	73	0.00
35 S	Dibromofluoromethane	0.312	0.374	-19.9	82	0.00
36 T	1,1-Dichloropropene	0.472	0.525	-11.2	81	0.00
37 T	Ethyl Acetate	0.529	0.539	-1.9	79	0.00
38 T	Carbon Tetrachloride	0.532	0.636	-19.5	85	0.00
39 T	Methylcyclohexane	0.580	0.638	-10.0	78	0.00
40 TM	Benzene	1.406	1.658	-17.9	84	0.00
41 T	Methacrylonitrile	0.301	0.315	-4.7	81	0.00
42 TM	1,2-Dichloroethane	0.512	0.625	-22.1	88	0.00
43 T	Isopropyl Acetate	1.211	0.960	20.7	76	0.00
44 TM	Trichloroethene	0.335	0.379	-13.1	81	0.00
45 C	1,2-Dichloropropane	0.334	0.408	-22.2#	86	0.00
46 T	Dibromomethane	0.239	0.288	-20.5	84	0.00
47 T	Bromodichloromethane	0.537	0.632	-17.7	86	0.00
48 T	Methyl methacrylate	0.437	0.460	-5.3	79	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082724\
Data File : VN083496.D
Acq On : 27 Aug 2024 09:05
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Aug 28 01:39:09 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 08 06:30:41 2024
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	0.008	0.008	0.0	68	0.00
50 S	Toluene-d8	1.164	1.340	-15.1	78	0.00
51 T	4-Methyl-2-Pentanone	0.500	0.548	-9.6	78	0.00
52 CM	Toluene	0.889	1.046	-17.7#	83	0.00
53 T	t-1,3-Dichloropropene	0.551	0.636	-15.4	78	0.00
54 T	cis-1,3-Dichloropropene	0.586	0.683	-16.6	82	0.00
55 T	1,1,2-Trichloroethane	0.318	0.389	-22.3	85	0.00
56 T	Ethyl methacrylate	0.600	0.655	-9.2	77	0.00
57 T	1,3-Dichloropropane	0.568	0.681	-19.9	84	0.00
58 T	2-Chloroethyl Vinyl ether	0.254	0.287	-13.0	81	0.00
59 T	2-Hexanone	0.387	0.405	-4.7	75	0.00
60 T	Dibromochloromethane	0.385	0.461	-19.7	82	0.00
61 T	1,2-Dibromoethane	0.335	0.389	-16.1	82	0.00
62 S	4-Bromofluorobenzene	0.454	0.553	-21.8	82	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	74	0.00
64 T	Tetrachloroethene	0.331	0.369	-11.5	80	0.00
65 PM	Chlorobenzene	1.105	1.237	-11.9	80	0.00
66 T	1,1,1,2-Tetrachloroethane	0.390	0.445	-14.1	83	0.00
67 C	Ethyl Benzene	2.027	2.303	-13.6#	82	0.00
68 T	m/p-Xylenes	0.759	0.867	-14.2	82	0.00
69 T	o-Xylene	0.749	0.841	-12.3	81	0.00
70 T	Styrene	1.258	1.425	-13.3	79	0.00
71 P	Bromoform	0.295	0.334	-13.2	78	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	81	0.00
73 T	Isopropylbenzene	4.182	4.290	-2.6	82	0.00
74 T	N-amyl acetate	2.046	1.907	6.8	77	0.00
75 P	1,1,2,2-Tetrachloroethane	1.183	1.247	-5.4	86	0.00
76 T	1,2,3-Trichloropropane	1.097	0.952	13.2	72	0.00
77 T	Bromobenzene	0.929	0.945	-1.7	80	0.00
78 T	n-propylbenzene	4.816	5.001	-3.8	81	0.00
79 T	2-Chlorotoluene	3.053	3.157	-3.4	83	0.00
80 T	1,3,5-Trimethylbenzene	3.501	3.680	-5.1	83	0.00
81 T	trans-1,4-Dichloro-2-butene	0.504	0.508	-0.8	83	0.00
82 T	4-Chlorotoluene	3.062	3.141	-2.6	82	0.00
83 T	tert-Butylbenzene	3.101	3.208	-3.5	82	0.00
84 T	1,2,4-Trimethylbenzene	3.529	3.751	-6.3	83	0.00
85 T	sec-Butylbenzene	4.231	4.390	-3.8	81	0.00
86 T	p-Isopropyltoluene	3.493	3.741	-7.1	82	0.00
87 T	1,3-Dichlorobenzene	1.748	1.851	-5.9	84	0.00
88 T	1,4-Dichlorobenzene	1.762	1.838	-4.3	83	0.00
89 T	n-Butylbenzene	3.027	3.186	-5.3	80	0.00
90 T	Hexachloroethane	0.675	0.714	-5.8	84	0.00
91 T	1,2-Dichlorobenzene	1.692	1.843	-8.9	87	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.287	0.277	3.5	79	0.00
93 T	1,2,4-Trichlorobenzene	0.948	0.975	-2.8	80	0.00
94 T	Hexachlorobutadiene	0.421	0.417	1.0	82	0.00
95 T	Naphthalene	3.357	3.278	2.4	76	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082724\
Data File : VN083496.D
Acq On : 27 Aug 2024 09:05
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Aug 28 01:39:09 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 08 06:30:41 2024
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	0.938	0.967	-3.1	81	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082724\
Data File : VN083496.D
Acq On : 27 Aug 2024 09:05
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Aug 28 01:39:09 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 08 06:30:41 2024
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	73	0.00
2 T	Dichlorodifluoromethane	50.000	46.297	7.4	67	0.00
3 P	Chloromethane	50.000	52.039	-4.1	75	0.00
4 C	Vinyl Chloride	50.000	54.763	-9.5#	79	0.00
5 T	Bromomethane	50.000	45.174	9.7	68	-0.04
6 T	Chloroethane	50.000	57.589	-15.2	88	-0.04
7 T	Trichlorofluoromethane	50.000	57.362	-14.7	82	-0.02
8 T	Diethyl Ether	50.000	56.028	-12.1	81	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	59.383	-18.8	86	0.00
10 T	Methyl Iodide	50.000	57.745	-15.5	81	-0.02
11 T	Tert butyl alcohol	250.000	232.603	7.0	69	0.00
12 CM	1,1-Dichloroethene	50.000	52.946	-5.9#	79	-0.02
13 T	Acrolein	250.000	251.131	-0.5	70	-0.01
14 T	Allyl chloride	50.000	52.818	-5.6	87	0.00
15 T	Acrylonitrile	250.000	267.761	-7.1	78	0.00
16 T	Acetone	250.000	277.969	-11.2	79	0.00
17 T	Carbon Disulfide	50.000	46.247	7.5	70	-0.01
18 T	Methyl Acetate	50.000	54.198	-8.4	85	0.00
19 T	Methyl tert-butyl Ether	50.000	56.242	-12.5	81	0.00
20 T	Methylene Chloride	50.000	53.561	-7.1	84	0.00
21 T	trans-1,2-Dichloroethene	50.000	53.074	-6.1	77	-0.02
22 T	Diisopropyl ether	50.000	58.825	-17.7	84	0.00
23 T	Vinyl Acetate	250.000	296.602	-18.6	83	0.00
24 P	1,1-Dichloroethane	50.000	59.562	-19.1	86	0.00
25 T	2-Butanone	250.000	261.723	-4.7	77	0.00
26 T	2,2-Dichloropropane	50.000	59.078	-18.2	84	0.00
27 T	cis-1,2-Dichloroethene	50.000	56.506	-13.0	83	0.00
28 T	Bromochloromethane	50.000	58.369	-16.7	85	0.00
29 T	Tetrahydrofuran	250.000	260.021	-4.0	75	0.00
30 C	Chloroform	50.000	60.759	-21.5#	87	0.00
31 T	Cyclohexane	50.000	50.765	-1.5	80	0.00
32 T	1,1,1-Trichloroethane	50.000	59.706	-19.4	86	0.00
33 S	1,2-Dichloroethane-d4	50.000	62.015	-24.0	87	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	73	0.00
35 S	Dibromofluoromethane	50.000	59.871	-19.7	82	0.00
36 T	1,1-Dichloropropene	50.000	55.629	-11.3	81	0.00
37 T	Ethyl Acetate	50.000	50.946	-1.9	79	0.00
38 T	Carbon Tetrachloride	50.000	59.850	-19.7	85	0.00
39 T	Methylcyclohexane	50.000	55.020	-10.0	78	0.00
40 TM	Benzene	50.000	58.951	-17.9	84	0.00
41 T	Methacrylonitrile	50.000	52.459	-4.9	81	0.00
42 TM	1,2-Dichloroethane	50.000	61.003	-22.0	88	0.00
43 T	Isopropyl Acetate	50.000	52.553	-5.1	76	0.00
44 TM	Trichloroethene	50.000	56.633	-13.3	81	0.00
45 C	1,2-Dichloropropane	50.000	61.057	-22.1#	86	0.00
46 T	Dibromomethane	50.000	60.284	-20.6	84	0.00
47 T	Bromodichloromethane	50.000	58.913	-17.8	86	0.00
48 T	Methyl methacrylate	50.000	52.609	-5.2	79	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082724\
Data File : VN083496.D
Acq On : 27 Aug 2024 09:05
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Aug 28 01:39:09 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 08 06:30:41 2024
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	970.093	3.0	68	0.00
50 S	Toluene-d8	50.000	57.557	-15.1	78	0.00
51 T	4-Methyl-2-Pentanone	250.000	273.840	-9.5	78	0.00
52 CM	Toluene	50.000	58.870	-17.7#	83	0.00
53 T	t-1,3-Dichloropropene	50.000	57.726	-15.5	78	0.00
54 T	cis-1,3-Dichloropropene	50.000	58.221	-16.4	82	0.00
55 T	1,1,2-Trichloroethane	50.000	61.013	-22.0	85	0.00
56 T	Ethyl methacrylate	50.000	54.513	-9.0	77	0.00
57 T	1,3-Dichloropropane	50.000	59.977	-20.0	84	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	282.786	-13.1	81	0.00
59 T	2-Hexanone	250.000	261.813	-4.7	75	0.00
60 T	Dibromochloromethane	50.000	59.860	-19.7	82	0.00
61 T	1,2-Dibromoethane	50.000	58.110	-16.2	82	0.00
62 S	4-Bromofluorobenzene	50.000	60.974	-21.9	82	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	74	0.00
64 T	Tetrachloroethene	50.000	55.786	-11.6	80	0.00
65 PM	Chlorobenzene	50.000	55.980	-12.0	80	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	57.071	-14.1	83	0.00
67 C	Ethyl Benzene	50.000	56.814	-13.6#	82	0.00
68 T	m/p-Xylenes	100.000	114.182	-14.2	82	0.00
69 T	o-Xylene	50.000	56.158	-12.3	81	0.00
70 T	Styrene	50.000	56.650	-13.3	79	0.00
71 P	Bromoform	50.000	56.568	-13.1	78	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	81	0.00
73 T	Isopropylbenzene	50.000	51.295	-2.6	82	0.00
74 T	N-ethyl acetate	50.000	46.620	6.8	77	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	52.693	-5.4	86	0.00
76 T	1,2,3-Trichloropropane	50.000	43.395	13.2	72	0.00
77 T	Bromobenzene	50.000	50.877	-1.8	80	0.00
78 T	n-propylbenzene	50.000	51.921	-3.8	81	0.00
79 T	2-Chlorotoluene	50.000	51.703	-3.4	83	0.00
80 T	1,3,5-Trimethylbenzene	50.000	52.556	-5.1	83	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	50.398	-0.8	83	0.00
82 T	4-Chlorotoluene	50.000	51.283	-2.6	82	0.00
83 T	tert-Butylbenzene	50.000	51.735	-3.5	82	0.00
84 T	1,2,4-Trimethylbenzene	50.000	53.148	-6.3	83	0.00
85 T	sec-Butylbenzene	50.000	51.880	-3.8	81	0.00
86 T	p-Isopropyltoluene	50.000	53.549	-7.1	82	0.00
87 T	1,3-Dichlorobenzene	50.000	52.951	-5.9	84	0.00
88 T	1,4-Dichlorobenzene	50.000	52.153	-4.3	83	0.00
89 T	n-Butylbenzene	50.000	52.633	-5.3	80	0.00
90 T	Hexachloroethane	50.000	52.921	-5.8	84	0.00
91 T	1,2-Dichlorobenzene	50.000	54.473	-8.9	87	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	48.179	3.6	79	0.00
93 T	1,2,4-Trichlorobenzene	50.000	51.437	-2.9	80	0.00
94 T	Hexachlorobutadiene	50.000	49.482	1.0	82	0.00
95 T	Naphthalene	50.000	48.830	2.3	76	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082724\
Data File : VN083496.D
Acq On : 27 Aug 2024 09:05
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Aug 28 01:39:09 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 08 06:30:41 2024
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	51.579	-3.2	81	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6



QC SAMPLE DATA

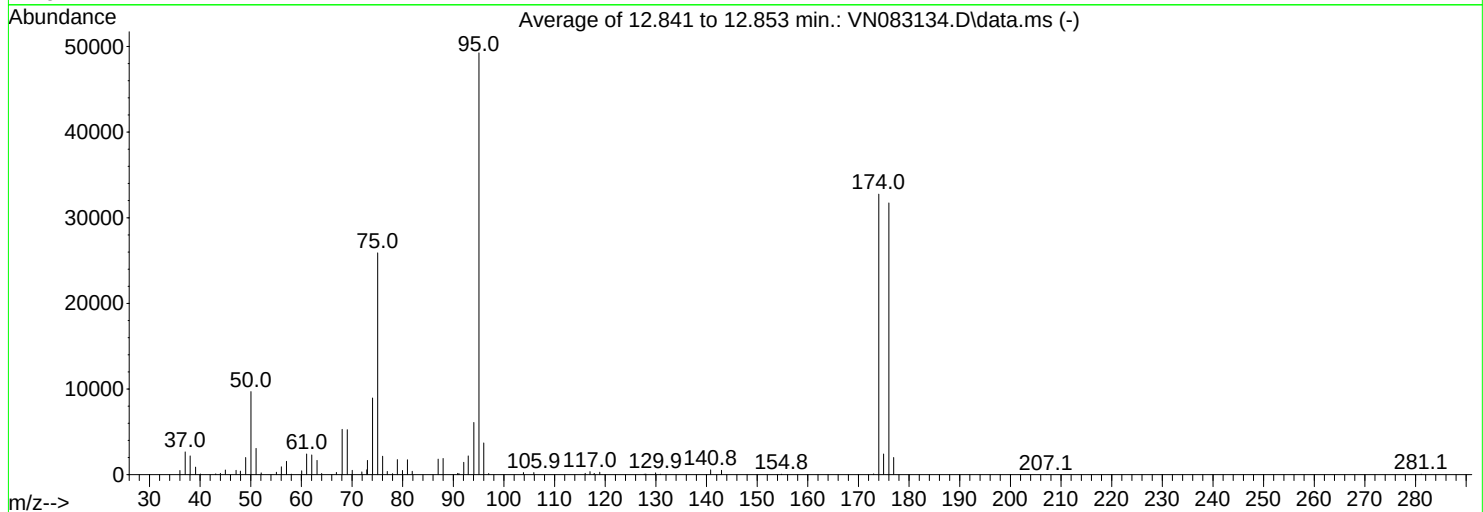
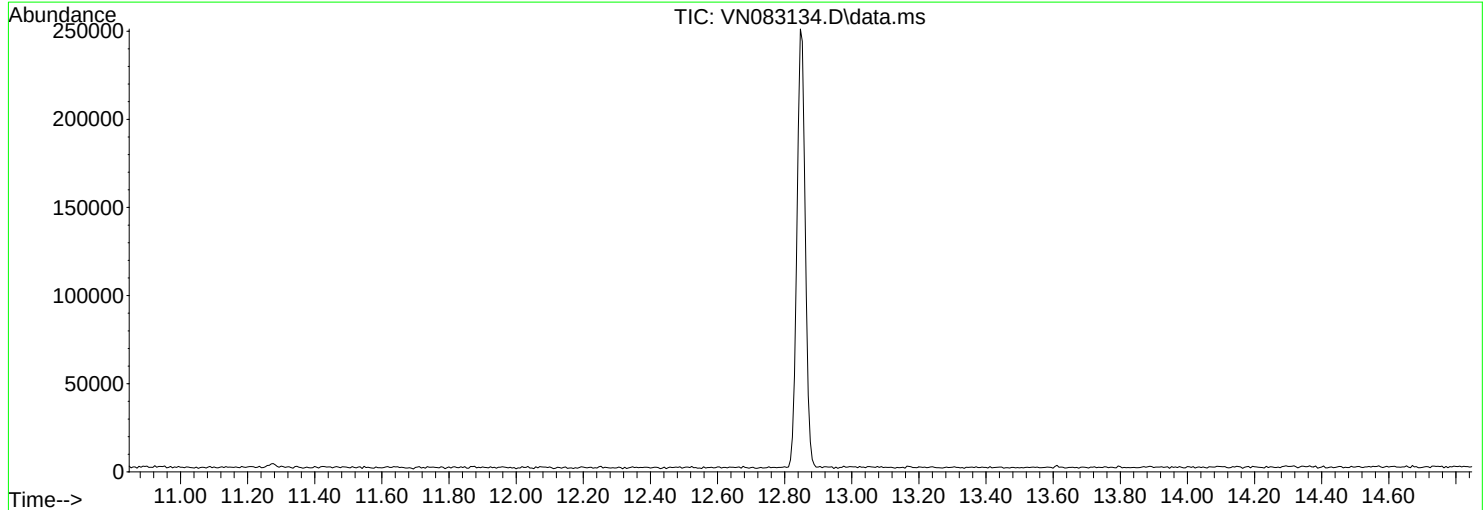
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- 16

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080724\
Data File : VN083134.D
Acq On : 07 Aug 2024 10:09
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
Title : SW846 8260
Last Update : Thu Aug 08 06:30:41 2024



AutoFind: Scans 1851, 1852, 1853; Background Corrected with Scan 1843

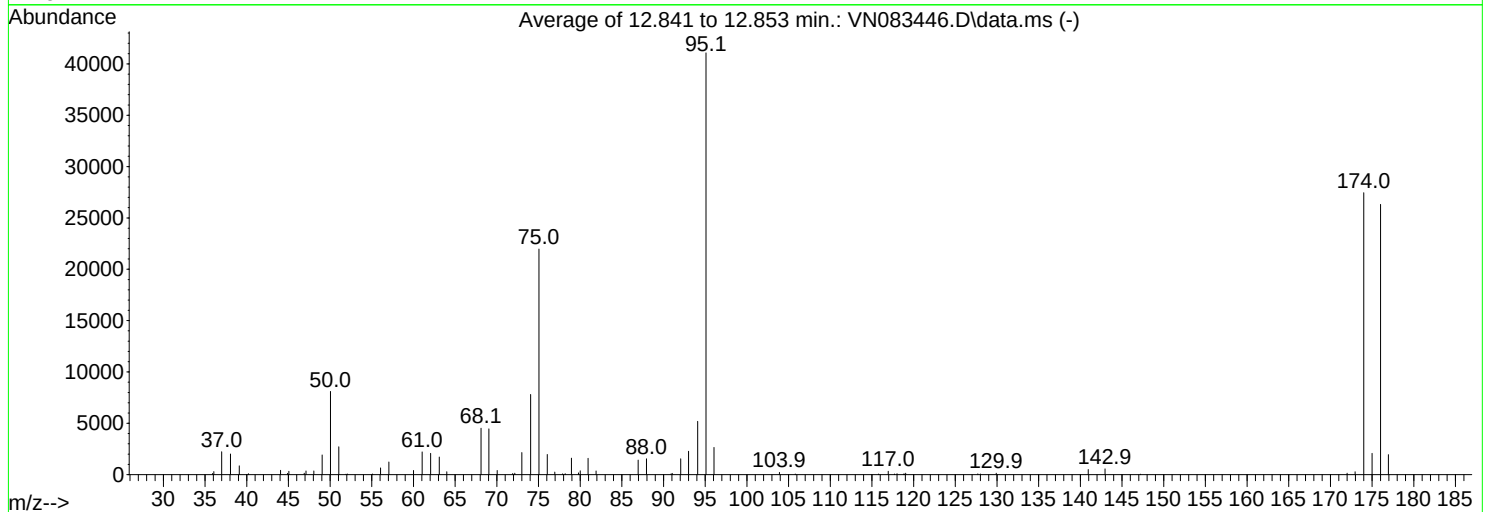
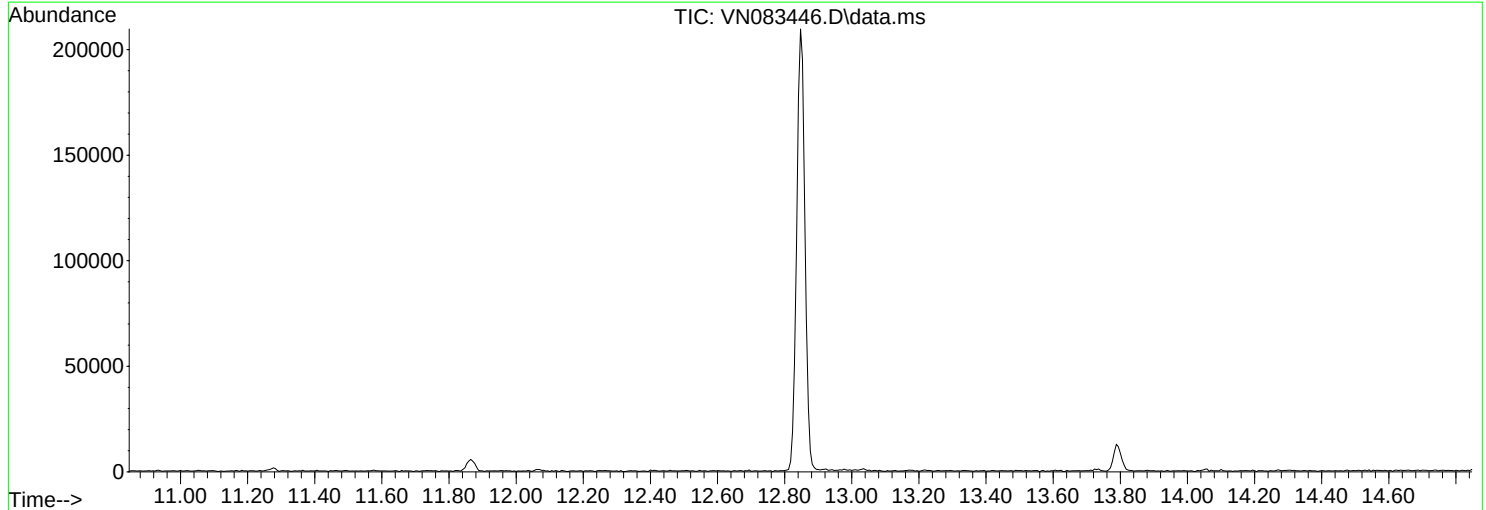
Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
50	95	15	40	19.7	9690	PASS
75	95	30	60	52.6	25907	PASS
95	95	100	100	100.0	49259	PASS
96	95	5	9	7.5	3697	PASS
173	174	0.00	2	0.3	99	PASS
174	95	50	100	66.5	32749	PASS
175	174	5	9	7.4	2414	PASS
176	174	95	101	96.9	31720	PASS
177	176	5	9	6.3	1999	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082324\
Data File : VN083446.D
Acq On : 23 Aug 2024 08:15
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\82N080724W.M
Title : SW846 8260
Last Update : Thu Aug 08 06:30:41 2024



AutoFind: Scans 1851, 1852, 1853; Background Corrected with Scan 1843

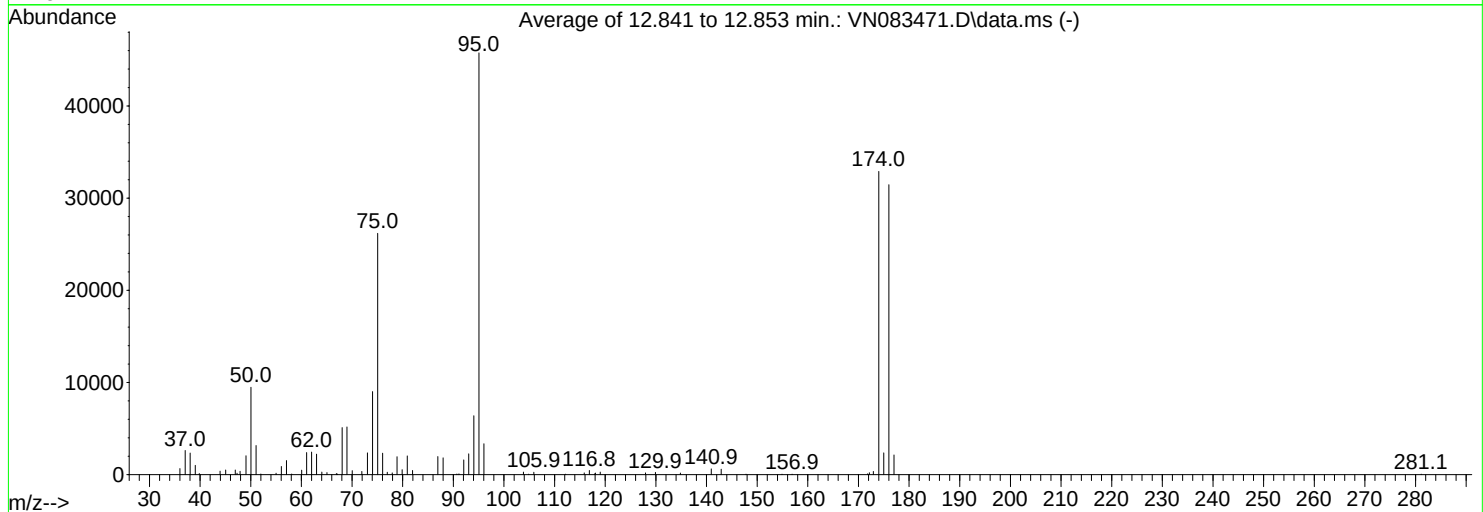
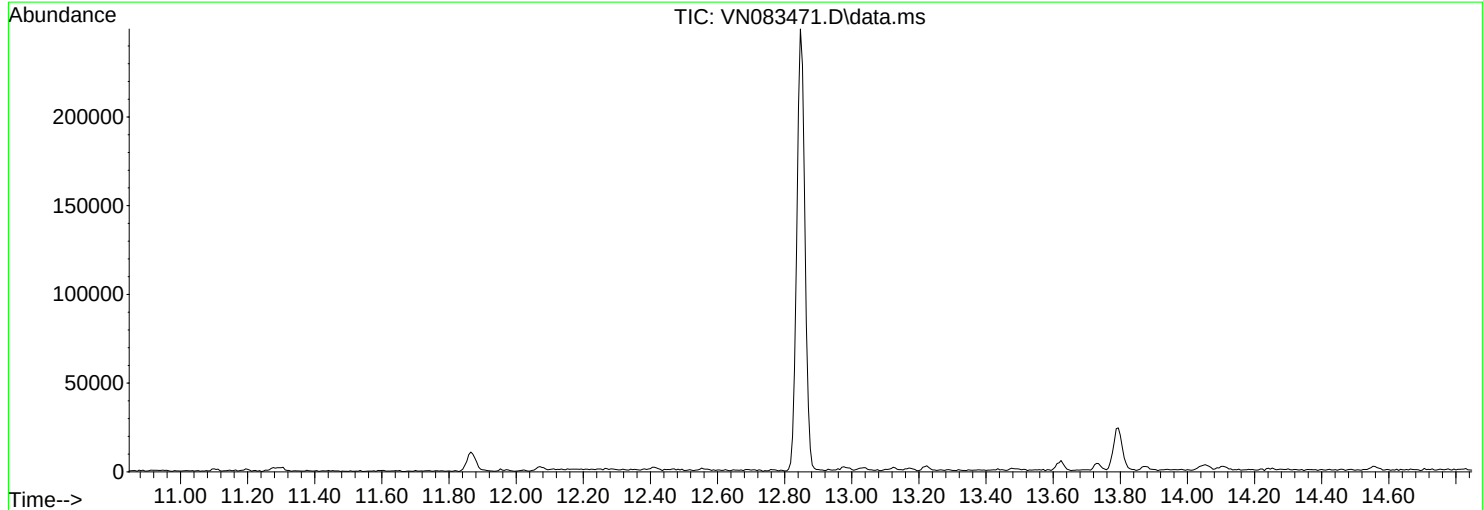
Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
50	95	15	40	19.7	8097	PASS
75	95	30	60	53.5	21973	PASS
95	95	100	100	100.0	41075	PASS
96	95	5	9	6.4	2647	PASS
173	174	0.00	2	1.0	284	PASS
174	95	50	100	66.9	27459	PASS
175	174	5	9	7.5	2070	PASS
176	174	95	101	95.9	26320	PASS
177	176	5	9	7.4	1955	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082624\
Data File : VN083471.D
Acq On : 26 Aug 2024 08:36
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\82N080724W.M
Title : SW846 8260
Last Update : Thu Aug 08 06:30:41 2024



AutoFind: Scans 1851, 1852, 1853; Background Corrected with Scan 1844

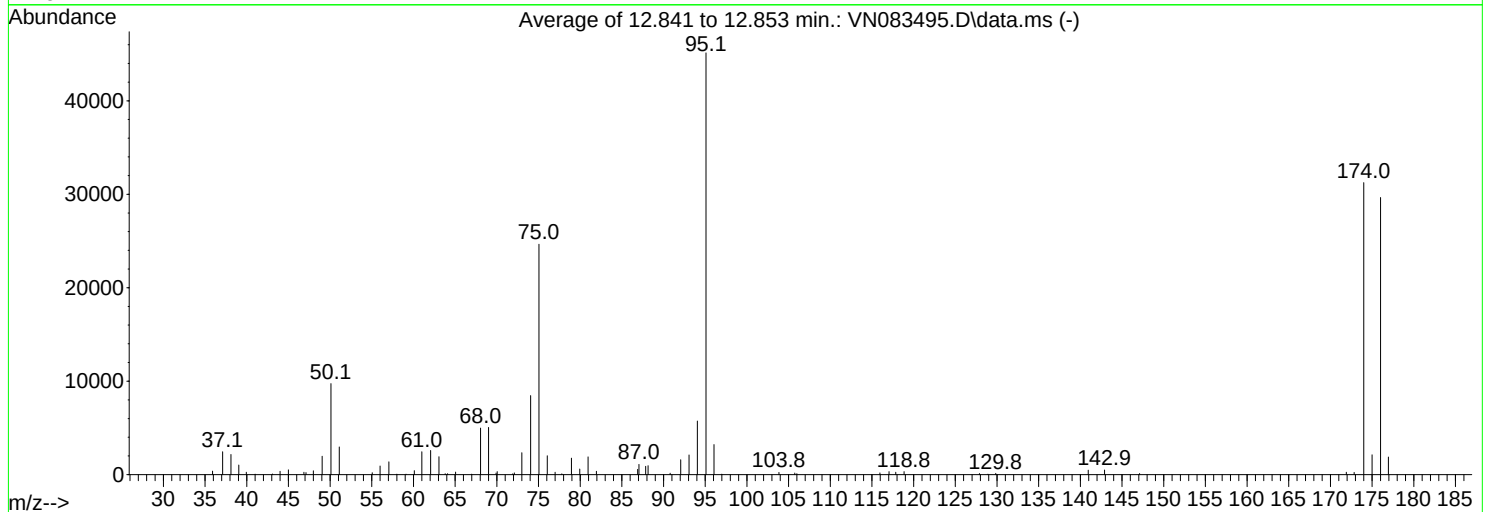
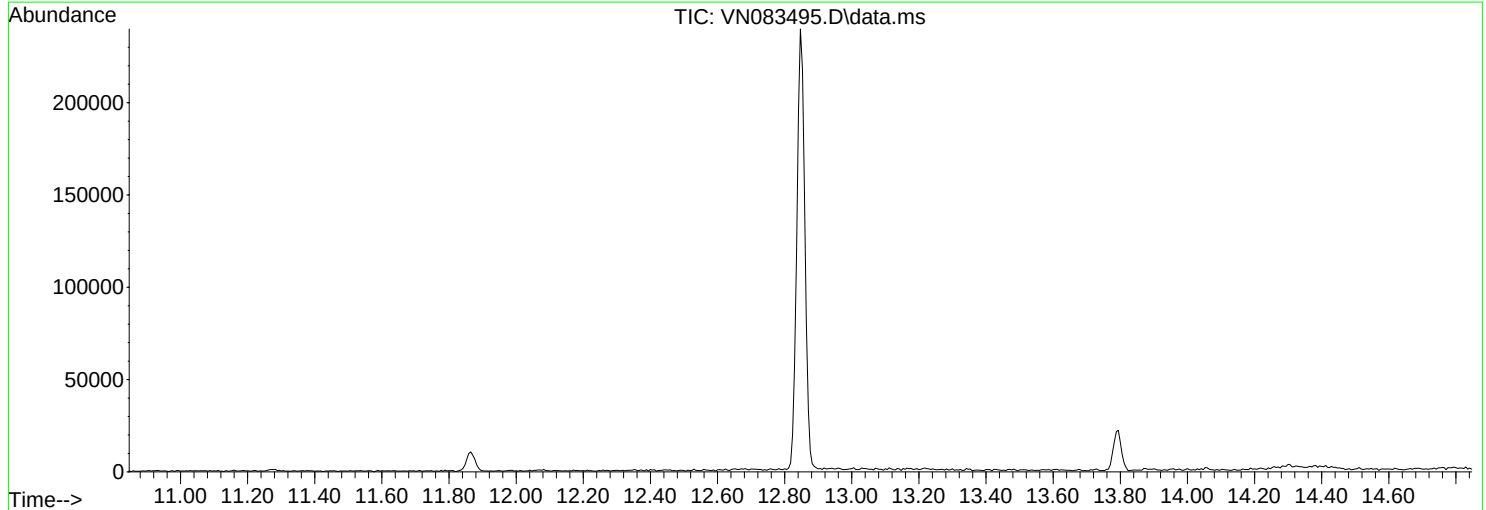
Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
50	95	15	40	20.7	9484	PASS
75	95	30	60	57.2	26184	PASS
95	95	100	100	100.0	45763	PASS
96	95	5	9	7.3	3353	PASS
173	174	0.00	2	1.1	351	PASS
174	95	50	100	71.9	32901	PASS
175	174	5	9	7.2	2368	PASS
176	174	95	101	95.6	31451	PASS
177	176	5	9	6.8	2129	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082724\
Data File : VN083495.D
Acq On : 27 Aug 2024 08:29
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\82N080724W.M
Title : SW846 8260
Last Update : Thu Aug 08 06:30:41 2024



AutoFind: Scans 1851, 1852, 1853; Background Corrected with Scan 1843

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
50	95	15	40	21.6	9748	PASS
75	95	30	60	54.6	24656	PASS
95	95	100	100	100.0	45131	PASS
96	95	5	9	7.1	3217	PASS
173	174	0.00	2	0.8	235	PASS
174	95	50	100	69.2	31243	PASS
175	174	5	9	6.8	2128	PASS
176	174	95	101	94.9	29656	PASS
177	176	5	9	6.3	1877	PASS

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	NYSDEC Andrews St Site #E828144	Date Received:	
Client Sample ID:	VN0823WBL01	SDG No.:	P3716
Lab Sample ID:	VN0823WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
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
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN083449.D	1		08/23/24 10:15	VN082324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.21	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.35	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.34	1.00	ug/L
74-83-9	Bromomethane	5.00	U	1.40	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.26	1.00	ug/L
67-64-1	Acetone	5.00	U	1.40	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.60	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.60	5.00	ug/L
78-93-3	2-Butanone	5.00	U	1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00	U	0.25	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.18	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.19	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.19	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	0.24	1.00	ug/L
79-01-6	Trichloroethene	1.00	U	0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.19	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.75	5.00	ug/L
108-88-3	Toluene	1.00	U	0.18	1.00	ug/L

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	NYSDEC Andrews St Site #E828144	Date Received:	
Client Sample ID:	VN0823WBL01	SDG No.:	P3716
Lab Sample ID:	VN0823WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
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
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN083449.D	1		08/23/24 10:15	VN082324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	1.00	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	1.10	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	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	1.00	U	0.25	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.13	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	2.00	U	0.31	2.00	ug/L
95-47-6	o-Xylene	1.00	U	0.14	1.00	ug/L
100-42-5	Styrene	1.00	U	0.16	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.21	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	57.1		74 - 125	114%	SPK: 50
1868-53-7	Dibromofluoromethane	49.9		75 - 124	100%	SPK: 50
2037-26-5	Toluene-d8	48.5		86 - 113	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.2		77 - 121	110%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	138000	8.224			
540-36-3	1,4-Difluorobenzene	284000	9.1			
3114-55-4	Chlorobenzene-d5	298000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	142000	13.788			

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	NYSDEC Andrews St Site #E828144	Date Received:	
Client Sample ID:	VN0823WBL01	SDG No.:	P3716
Lab Sample ID:	VN0823WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
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
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN083449.D	1		08/23/24 10:15	VN082324

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\VN082324\
Data File : VN083449.D
Acq On : 23 Aug 2024 10:15
Operator : JC\MD
Sample : VN0823WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0823WBL01

Quant Time: Aug 24 01:29:17 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 08 06:30:41 2024
Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	137999	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	284230	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	298003	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	142273	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	112256	57.149	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	114.300%
35) Dibromofluoromethane	8.165	113	88444	49.853	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.700%
50) Toluene-d8	10.565	98	320973	48.501	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	97.000%
62) 4-Bromofluorobenzene	12.847	95	142448	55.212	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	110.420%

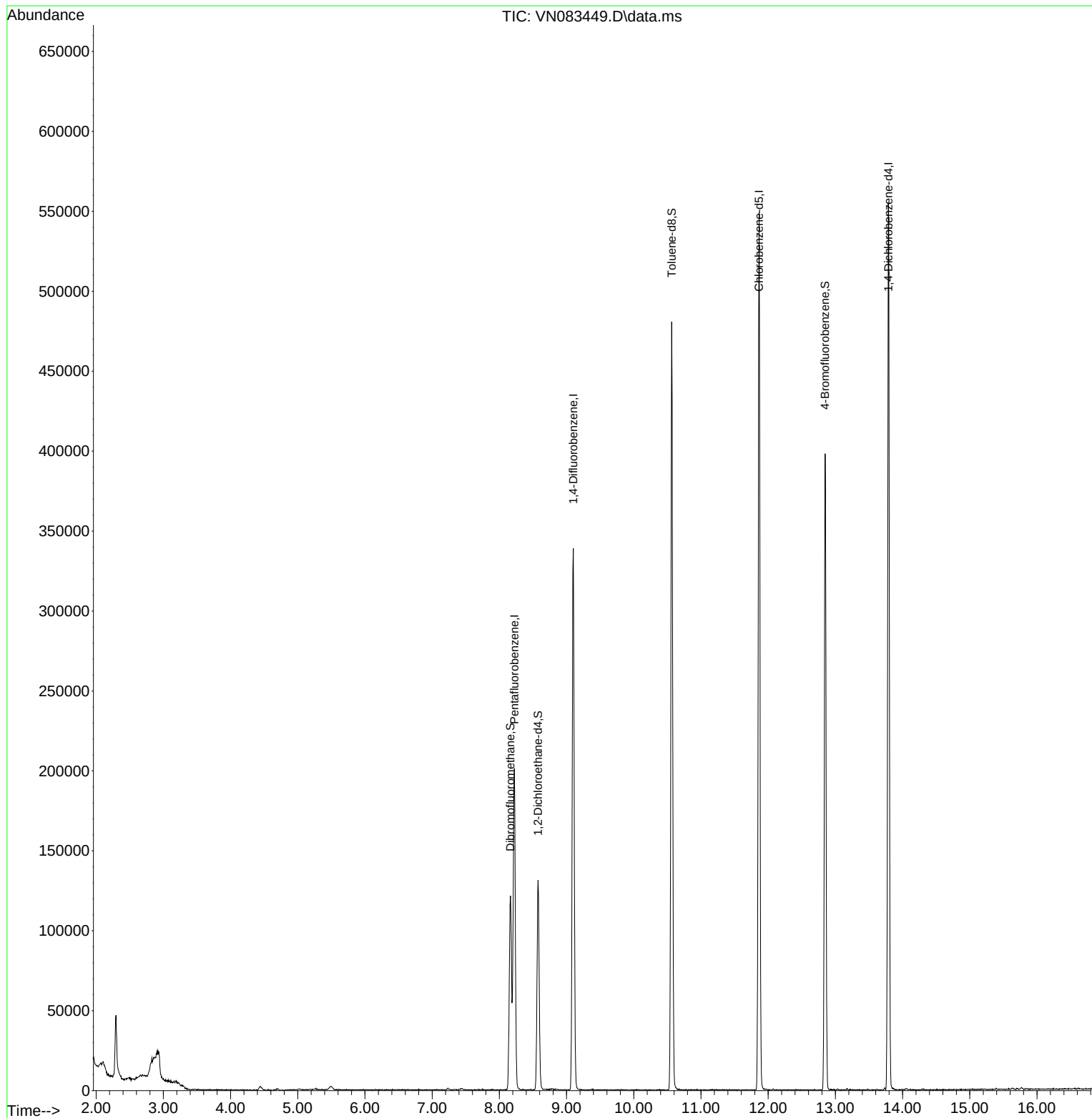
Target Compounds	Qvalue

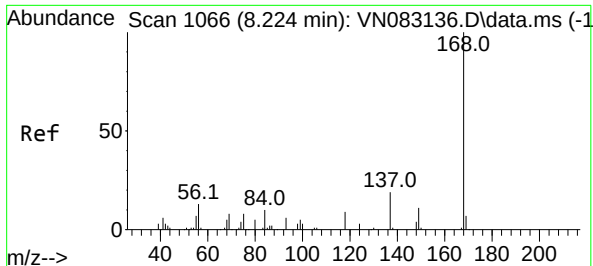
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082324\
Data File : VN083449.D
Acq On : 23 Aug 2024 10:15
Operator : JC\MD
Sample : VN0823WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0823WBL01

Quant Time: Aug 24 01:29:17 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 08 06:30:41 2024
Response via : Initial Calibration

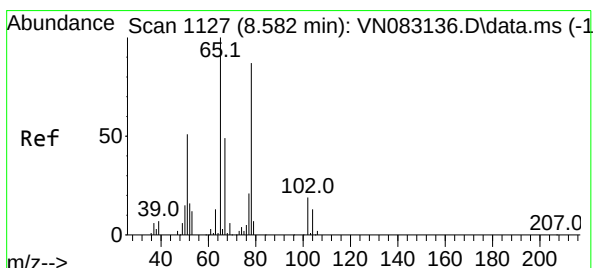
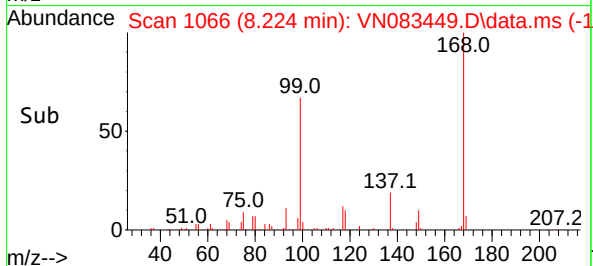
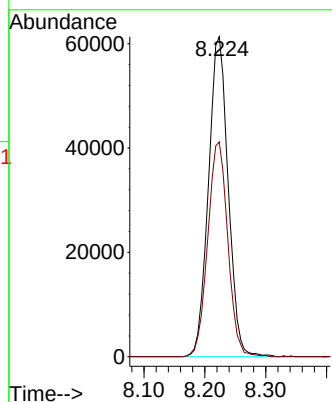
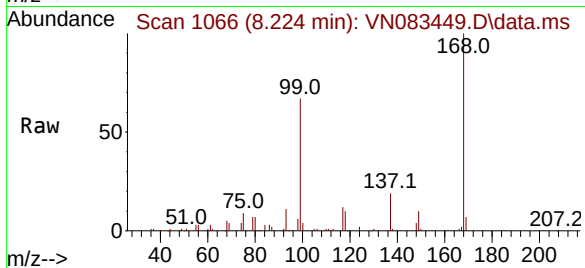




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083449.D
Acq: 23 Aug 2024 10:15

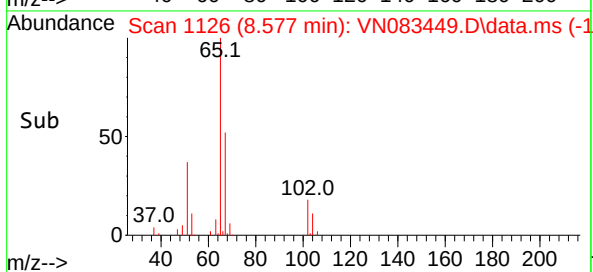
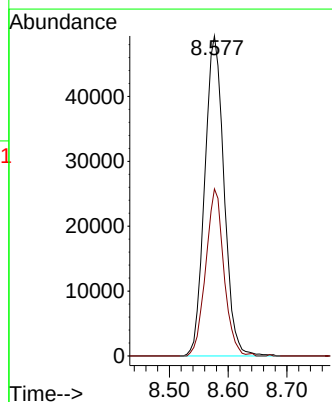
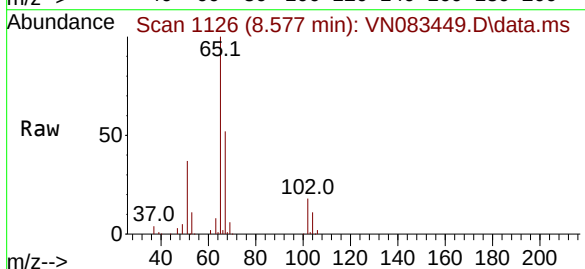
Instrument :
MSVOA_N
ClientSampleId :
VN0823WBL01

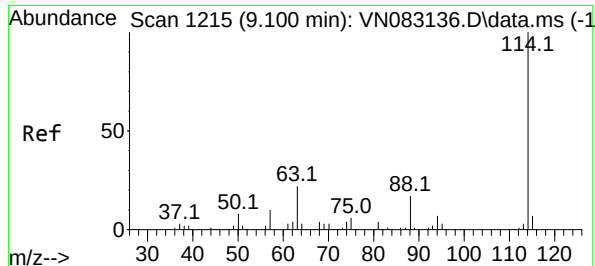
Tgt Ion:168 Resp: 137999
Ion Ratio Lower Upper
168 100
99 67.1 48.2 72.4



#33
1,2-Dichloroethane-d4
Concen: 57.149 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.005 min
Lab File: VN083449.D
Acq: 23 Aug 2024 10:15

Tgt Ion: 65 Resp: 112256
Ion Ratio Lower Upper
65 100
67 49.3 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN083449.D

Acq: 23 Aug 2024 10:15

Instrument :

MSVOA_N

ClientSampleId :

VN0823WBL01

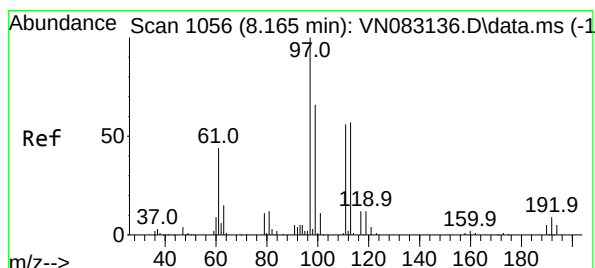
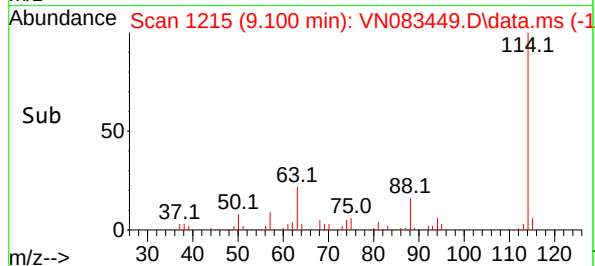
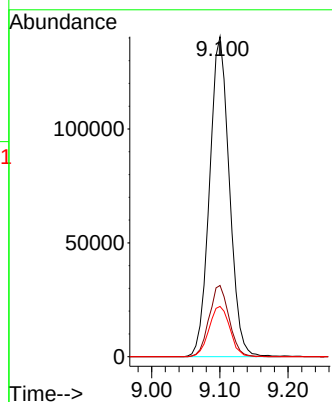
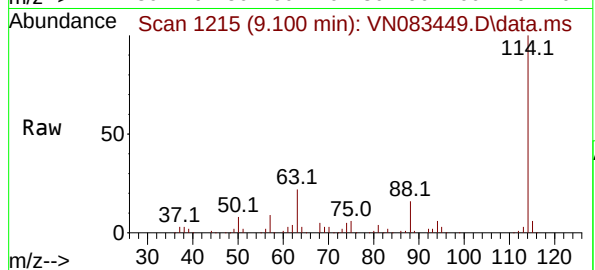
Tgt Ion:114 Resp: 284230

Ion Ratio Lower Upper

114 100

63 22.3 0.0 44.6

88 15.7 0.0 31.4



#35

Dibromofluoromethane

Concen: 49.853 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN083449.D

Acq: 23 Aug 2024 10:15

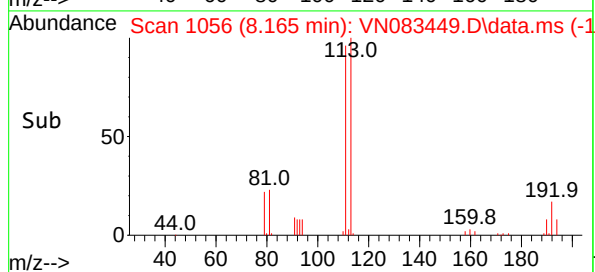
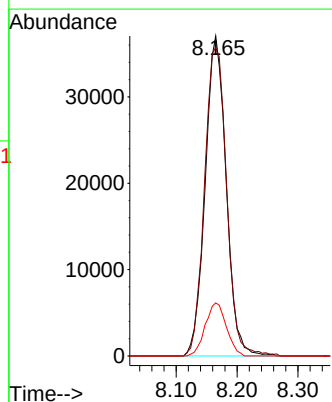
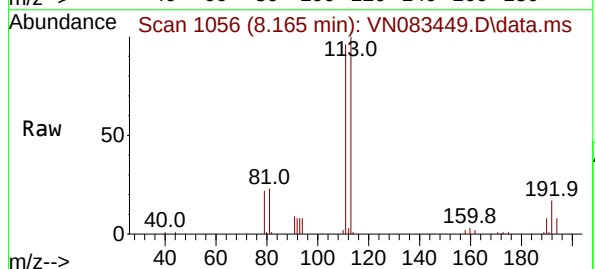
Tgt Ion:113 Resp: 88444

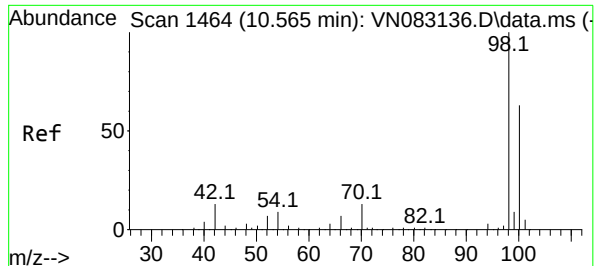
Ion Ratio Lower Upper

113 100

111 101.9 82.4 123.6

192 16.7 14.9 22.3

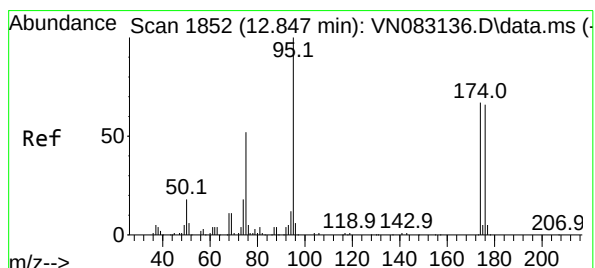
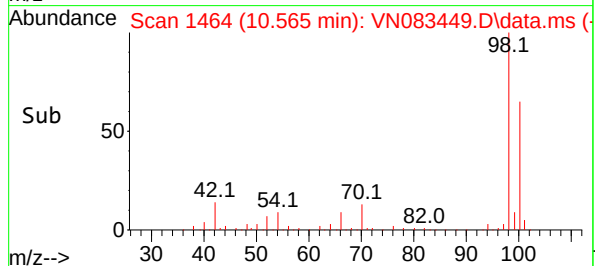
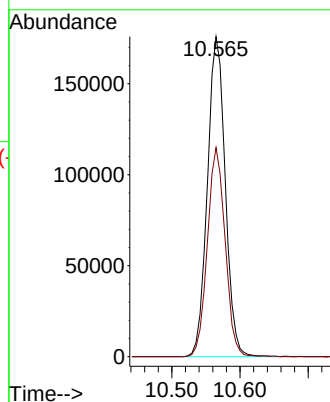
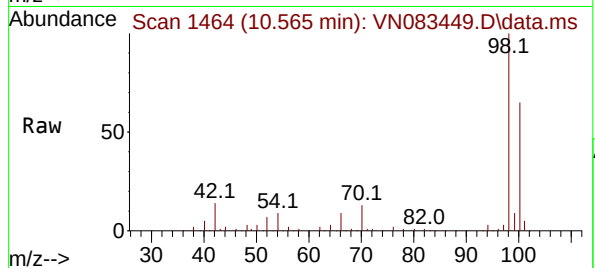




#50
Toluene-d8
Concen: 48.501 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN083449.D
Acq: 23 Aug 2024 10:15

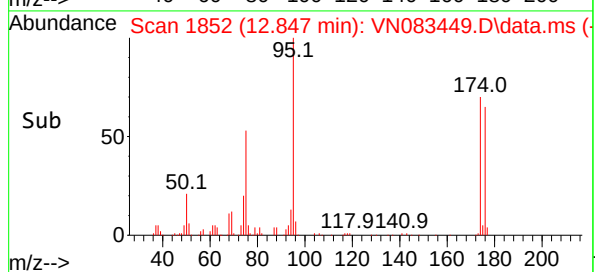
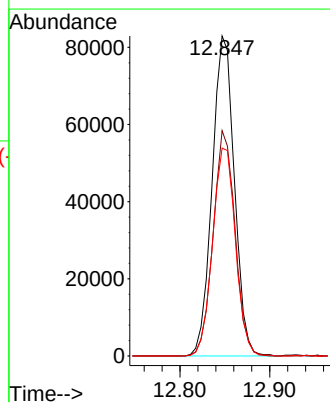
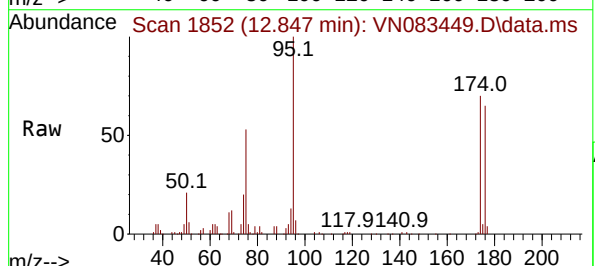
Instrument :
MSVOA_N
ClientSampleId :
VN0823WBL01

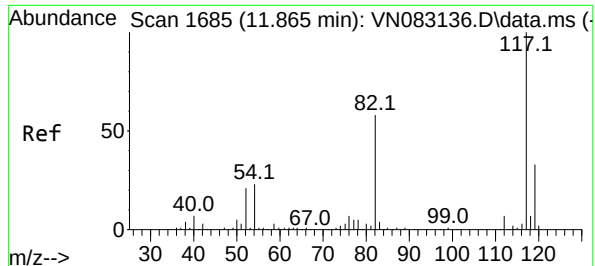
Tgt Ion: 98 Resp: 320973
Ion Ratio Lower Upper
98 100
100 64.8 51.5 77.3



#62
4-Bromofluorobenzene
Concen: 55.212 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN083449.D
Acq: 23 Aug 2024 10:15

Tgt Ion: 95 Resp: 142448
Ion Ratio Lower Upper
95 100
174 69.3 0.0 159.2
176 66.9 0.0 147.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN083449.D

Acq: 23 Aug 2024 10:15

Instrument :

MSVOA_N

ClientSampleId :

VN0823WBL01

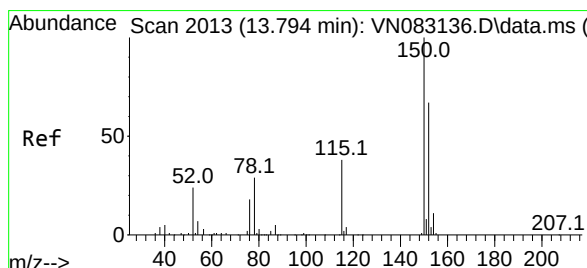
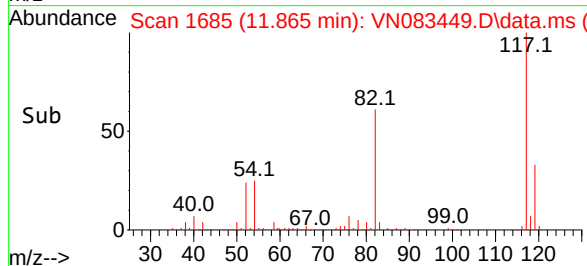
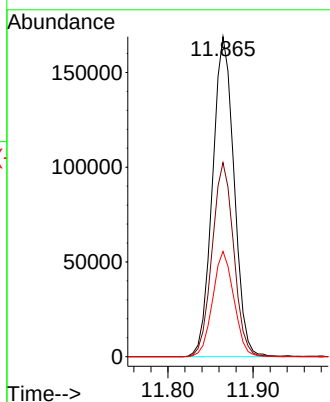
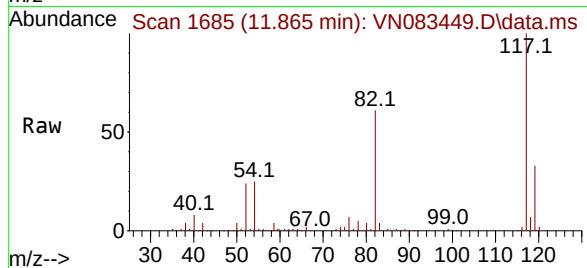
Tgt Ion:117 Resp: 298003

Ion Ratio Lower Upper

117 100

82 60.7 47.5 71.3

119 32.9 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. -0.006 min

Lab File: VN083449.D

Acq: 23 Aug 2024 10:15

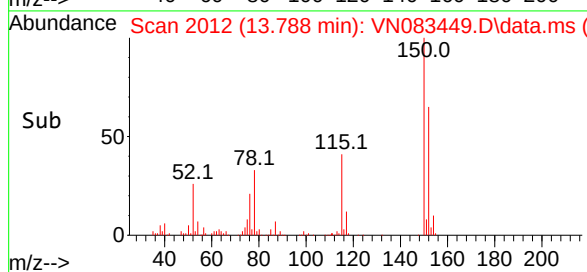
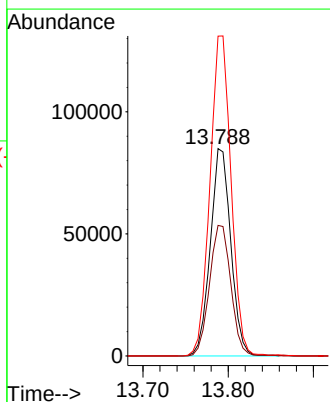
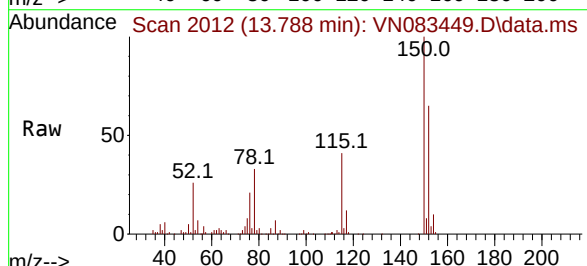
Tgt Ion:152 Resp: 142273

Ion Ratio Lower Upper

152 100

115 65.4 30.6 91.6

150 158.8 0.0 348.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082324\
Data File : VN083449.D
Acq On : 23 Aug 2024 10:15
Operator : JC\MD
Sample : VN0823WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0823WBL01

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M

Title : SW846 8260

Signal : TIC: VN083449.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.295	50	58	70	rBV2	38605	74167	7.71%	1.407%
2	2.830	143	149	150	rBV5	7285	10477	1.09%	0.199%
3	8.165	1047	1056	1060	rBV	121300	283551	29.48%	5.380%
4	8.224	1060	1066	1077	rVB	200530	453216	47.12%	8.599%
5	8.577	1116	1126	1138	rBV	131400	294501	30.62%	5.587%
6	9.100	1205	1215	1230	rBV	338749	695353	72.29%	13.192%
7	10.565	1456	1464	1475	rBV	480662	870733	90.53%	16.520%
8	11.865	1677	1685	1697	rBV	549032	961841	100.00%	18.248%
9	12.847	1844	1852	1863	rVB	398012	683135	71.02%	12.961%
10	13.788	2005	2012	2022	rBV	554928	943892	98.13%	17.908%

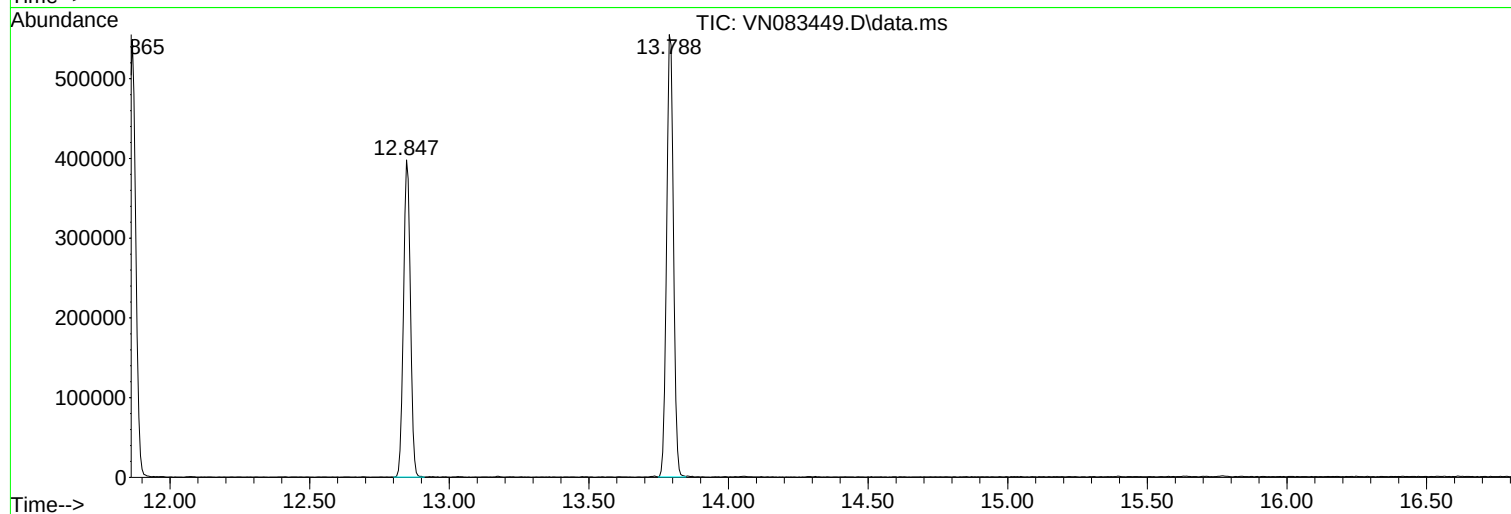
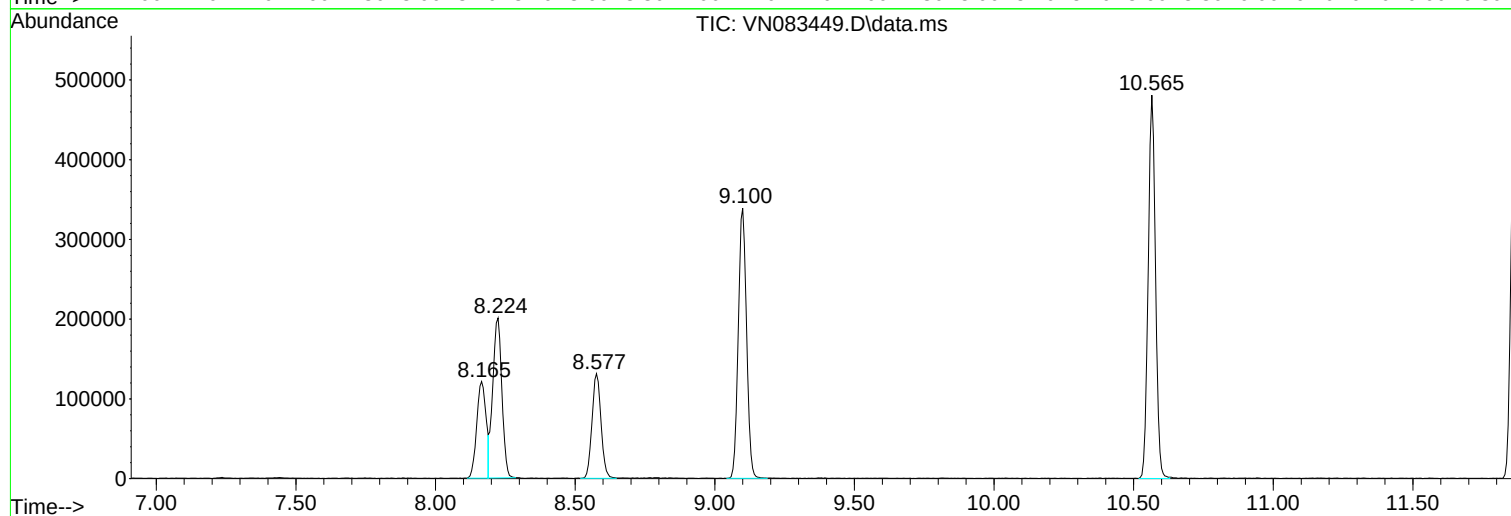
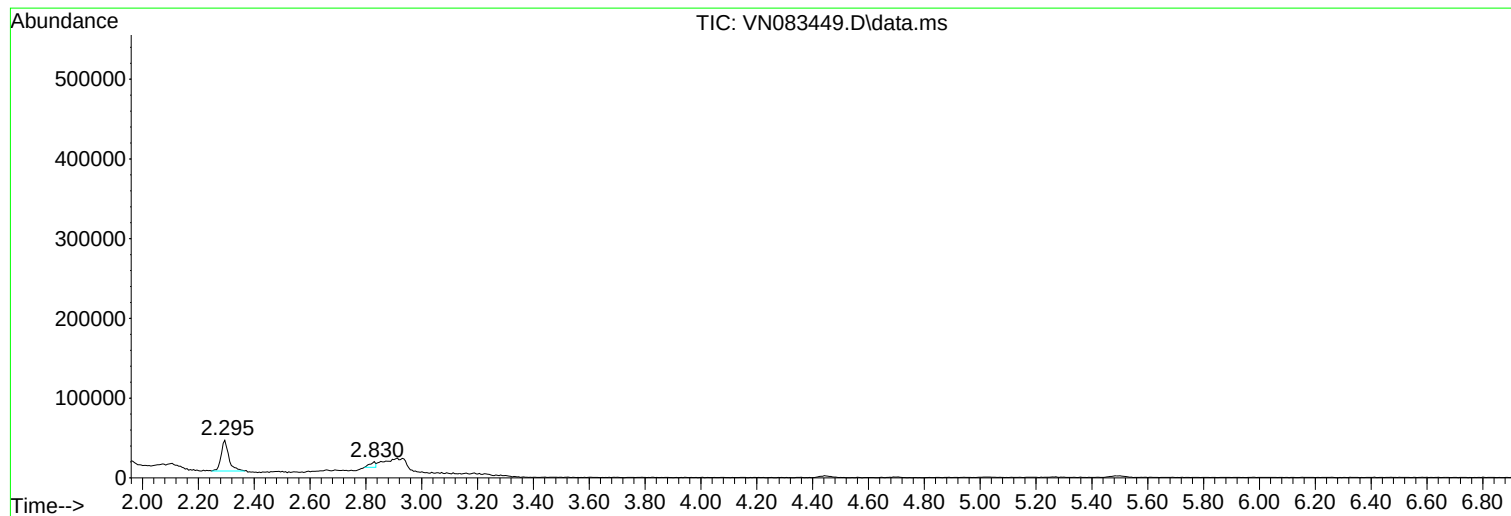
Sum of corrected areas: 5270866

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082324\
Data File : VN083449.D
Acq On : 23 Aug 2024 10:15
Operator : JC\MD
Sample : VN0823WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0823WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082324\
Data File : VN083449.D
Acq On : 23 Aug 2024 10:15
Operator : JC\MD
Sample : VN0823WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0823WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082324\
Data File : VN083449.D
Acq On : 23 Aug 2024 10:15
Operator : JC\MD
Sample : VN0823WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0823WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
Quant Title : SW846 8260

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

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

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	NYSDEC Andrews St Site #E828144	Date Received:	
Client Sample ID:	VN0826WBL01	SDG No.:	P3716
Lab Sample ID:	VN0826WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
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
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN083474.D	1		08/26/24 11:33	VN082624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.21	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.35	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.34	1.00	ug/L
74-83-9	Bromomethane	5.00	U	1.40	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.26	1.00	ug/L
67-64-1	Acetone	5.00	U	1.40	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.60	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.60	5.00	ug/L
78-93-3	2-Butanone	5.00	U	1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00	U	0.25	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.18	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.19	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.19	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	0.24	1.00	ug/L
79-01-6	Trichloroethene	1.00	U	0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.19	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.75	5.00	ug/L
108-88-3	Toluene	1.00	U	0.18	1.00	ug/L

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	NYSDEC Andrews St Site #E828144	Date Received:	
Client Sample ID:	VN0826WBL01	SDG No.:	P3716
Lab Sample ID:	VN0826WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
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
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN083474.D	1		08/26/24 11:33	VN082624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	1.00	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	1.10	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	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	1.00	U	0.25	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.13	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	2.00	U	0.31	2.00	ug/L
95-47-6	o-Xylene	1.00	U	0.14	1.00	ug/L
100-42-5	Styrene	1.00	U	0.16	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.21	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	57.2		74 - 125	114%	SPK: 50
1868-53-7	Dibromofluoromethane	51.8		75 - 124	104%	SPK: 50
2037-26-5	Toluene-d8	49.0		86 - 113	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	57.8		77 - 121	116%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	122000	8.224			
540-36-3	1,4-Difluorobenzene	248000	9.1			
3114-55-4	Chlorobenzene-d5	264000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	127000	13.794			

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	NYSDEC Andrews St Site #E828144	Date Received:	
Client Sample ID:	VN0826WBL01	SDG No.:	P3716
Lab Sample ID:	VN0826WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
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
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN083474.D	1		08/26/24 11:33	VN082624

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\VN082624\
Data File : VN083474.D
Acq On : 26 Aug 2024 11:33
Operator : JC\MD
Sample : VN0826WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0826WBL01

Quant Time: Aug 27 01:51:35 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 08 06:30:41 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	122134	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	248168	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	263866	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	126736	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	99485	57.227	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 114.460%	
35) Dibromofluoromethane	8.171	113	80287	51.831	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.660%	
50) Toluene-d8	10.565	98	283352	49.038	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 98.080%	
62) 4-Bromofluorobenzene	12.853	95	130193	57.795	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 115.600%	

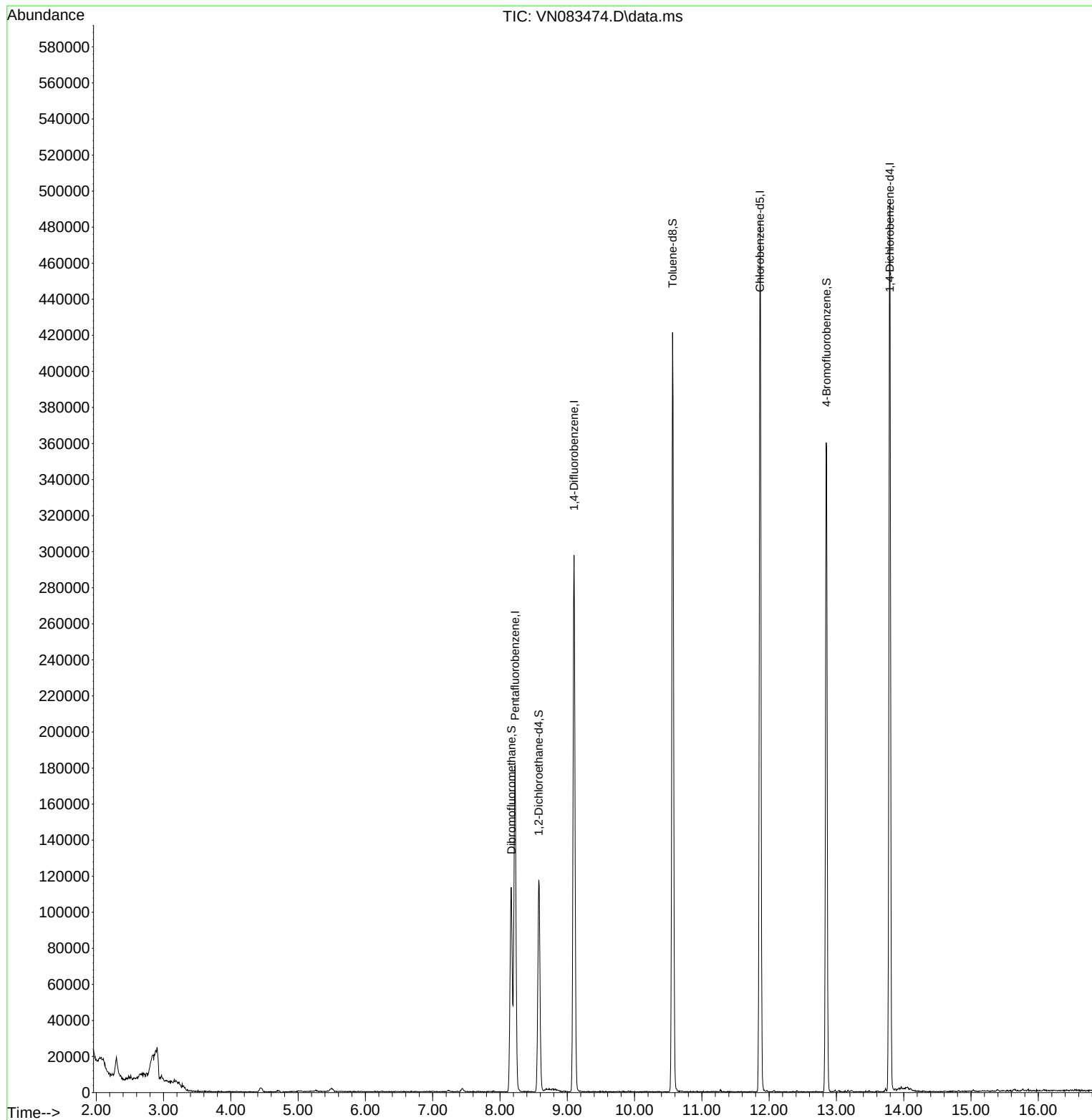
Target Compounds	Qvalue

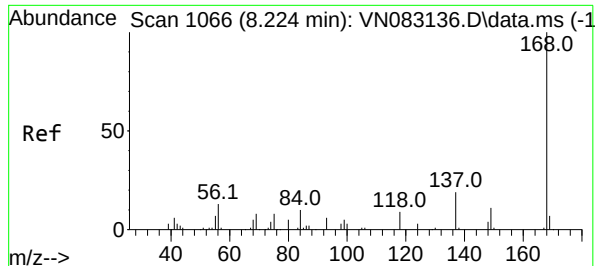
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082624\
Data File : VN083474.D
Acq On : 26 Aug 2024 11:33
Operator : JC\MD
Sample : VN0826WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0826WBL01

Quant Time: Aug 27 01:51:35 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 08 06:30:41 2024
Response via : Initial Calibration

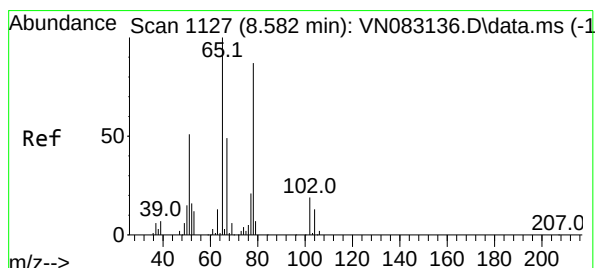
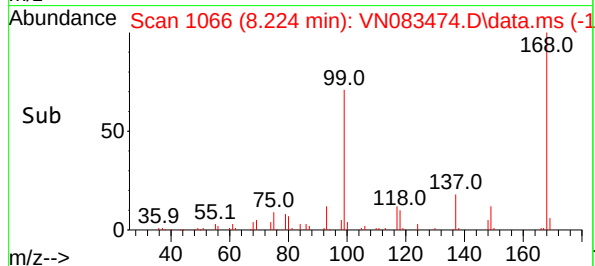
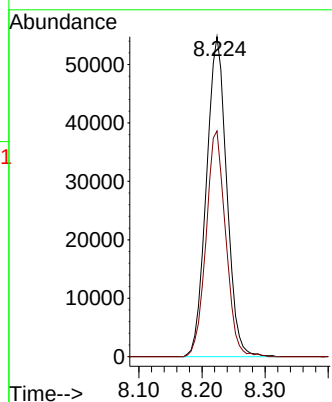
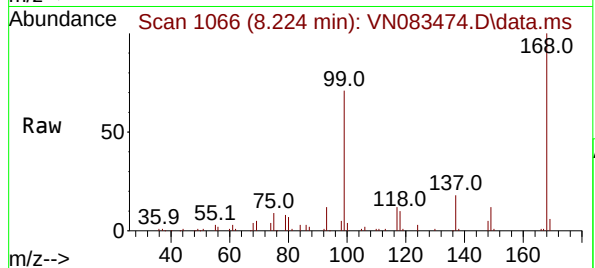




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083474.D
Acq: 26 Aug 2024 11:33

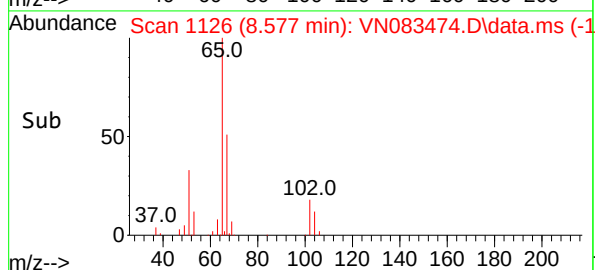
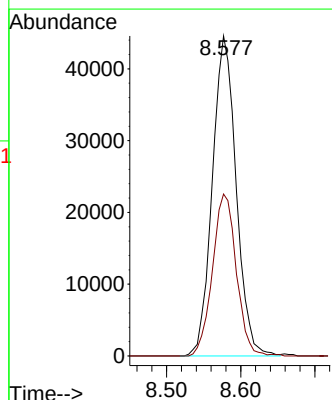
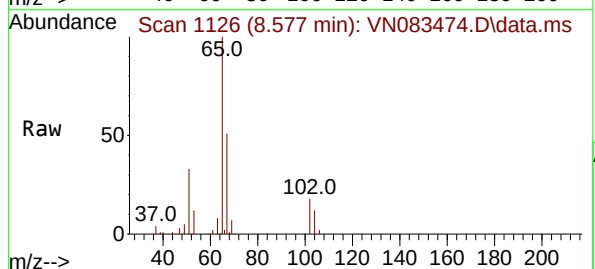
Instrument :
MSVOA_N
ClientSampleId :
VN0826WBL01

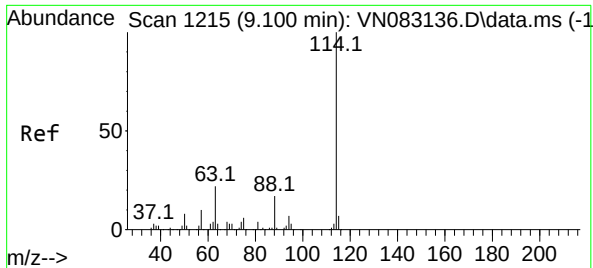
Tgt Ion:168 Resp: 122134
Ion Ratio Lower Upper
168 100
99 70.5 48.2 72.4



#33
1,2-Dichloroethane-d4
Concen: 57.227 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.005 min
Lab File: VN083474.D
Acq: 26 Aug 2024 11:33

Tgt Ion: 65 Resp: 99485
Ion Ratio Lower Upper
65 100
67 50.7 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN083474.D

Acq: 26 Aug 2024 11:33

Instrument :

MSVOA_N

ClientSampleId :

VN0826WBL01

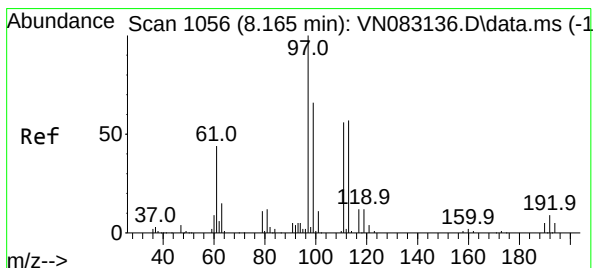
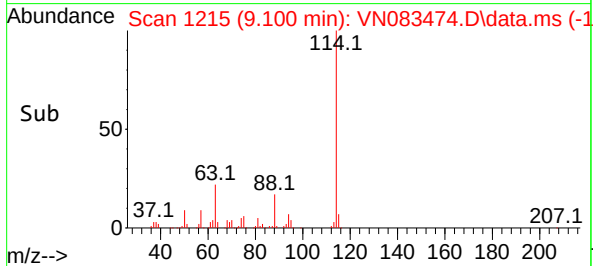
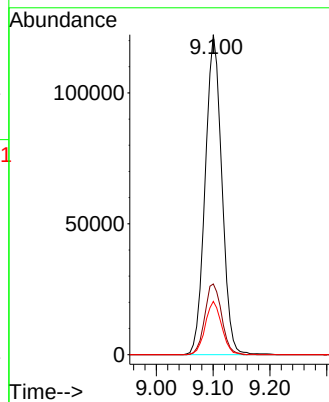
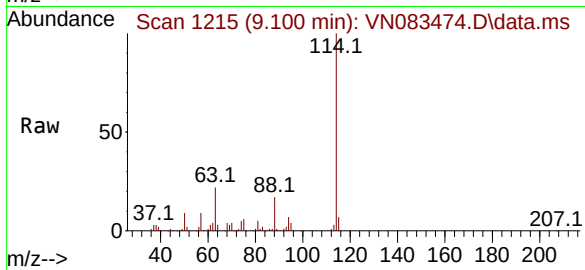
Tgt Ion:114 Resp: 248168

Ion Ratio Lower Upper

114 100

63 22.1 0.0 44.6

88 16.7 0.0 31.4



#35

Dibromofluoromethane

Concen: 51.831 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN083474.D

Acq: 26 Aug 2024 11:33

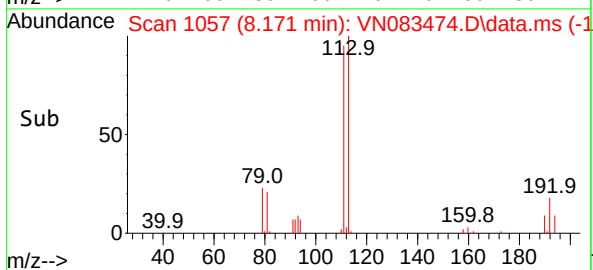
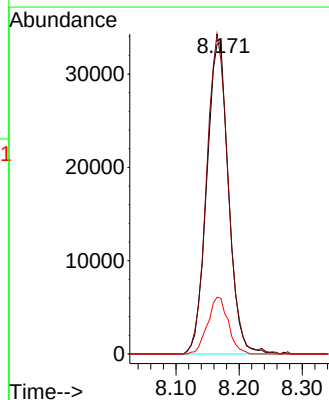
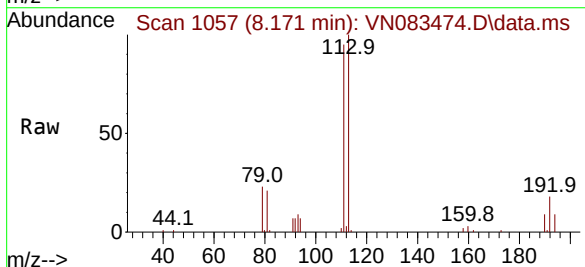
Tgt Ion:113 Resp: 80287

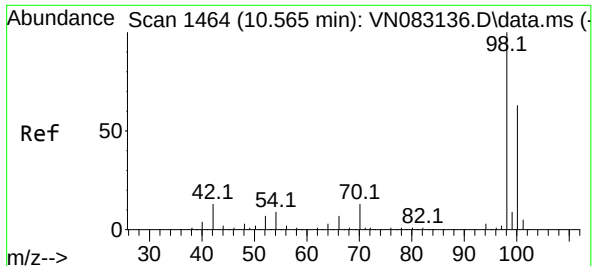
Ion Ratio Lower Upper

113 100

111 101.6 82.4 123.6

192 17.2 14.9 22.3





#50

Toluene-d8

Concen: 49.038 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN083474.D

Acq: 26 Aug 2024 11:33

Instrument :

MSVOA_N

ClientSampleId :

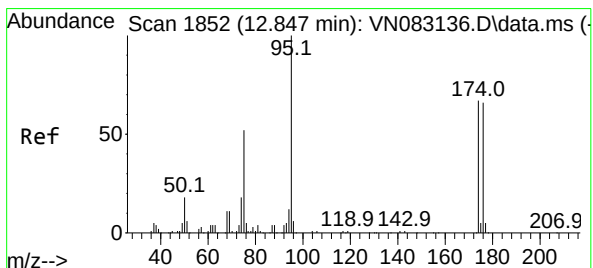
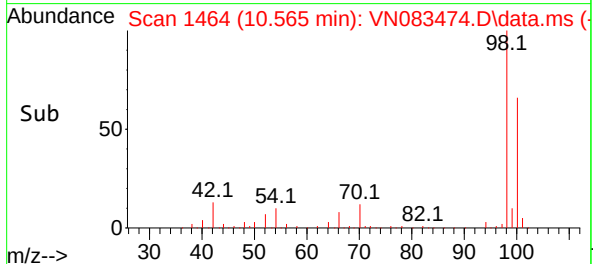
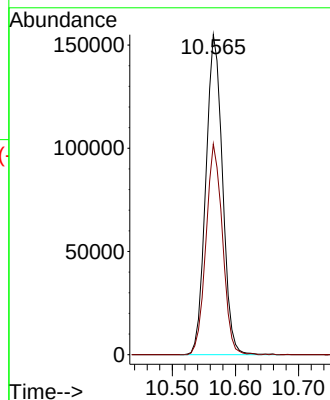
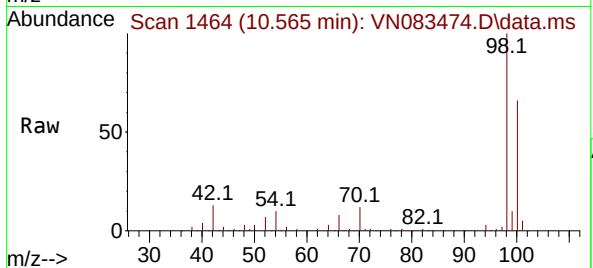
VN0826WBL01

Tgt Ion: 98 Resp: 283352

Ion Ratio Lower Upper

98 100

100 65.3 51.5 77.3



#62

4-Bromofluorobenzene

Concen: 57.795 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.006 min

Lab File: VN083474.D

Acq: 26 Aug 2024 11:33

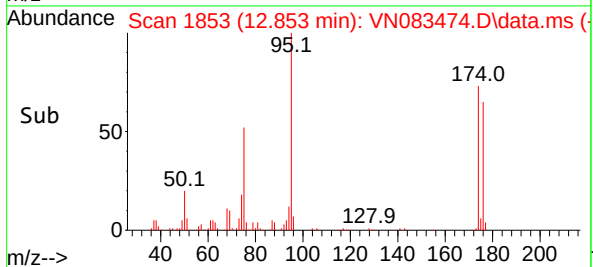
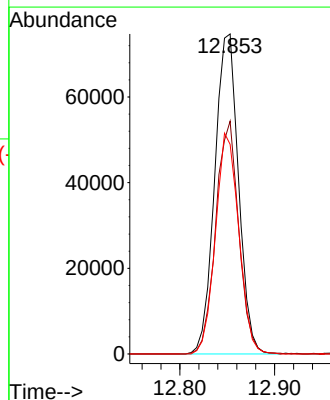
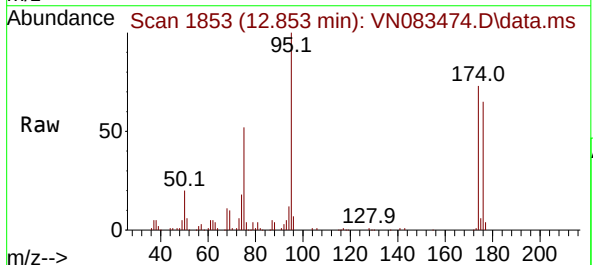
Tgt Ion: 95 Resp: 130193

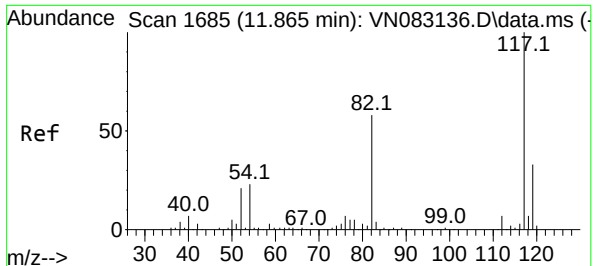
Ion Ratio Lower Upper

95 100

174 70.5 0.0 159.2

176 67.8 0.0 147.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN083474.D

Acq: 26 Aug 2024 11:33

Instrument :

MSVOA_N

ClientSampleId :

VN0826WBL01

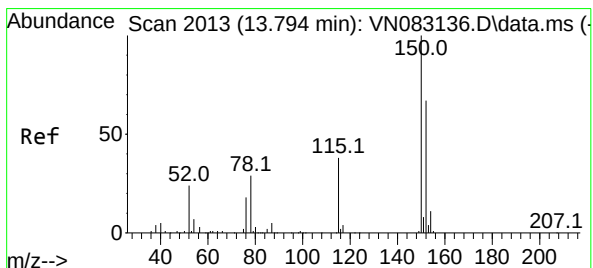
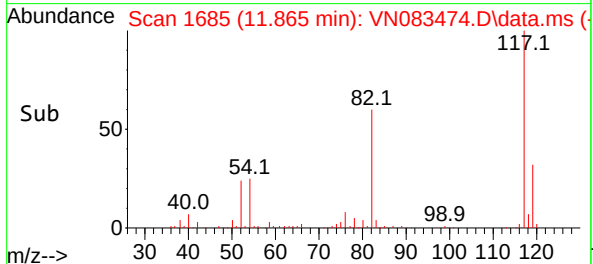
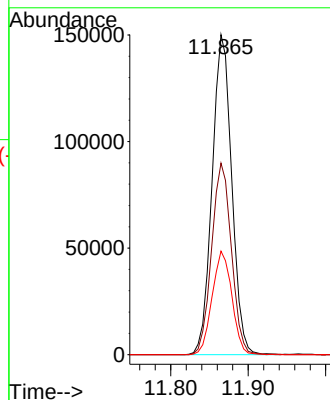
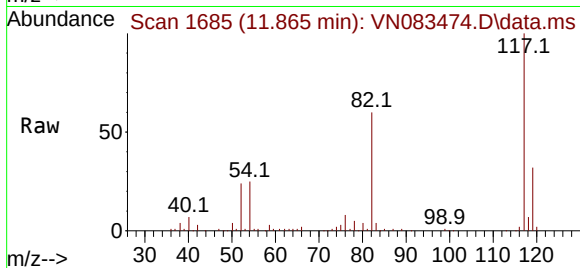
Tgt Ion:117 Resp: 263866

Ion Ratio Lower Upper

117 100

82 59.9 47.5 71.3

119 32.4 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.000 min

Lab File: VN083474.D

Acq: 26 Aug 2024 11:33

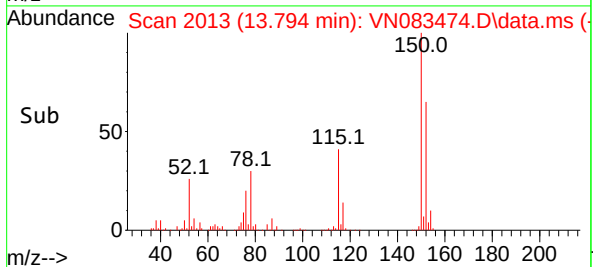
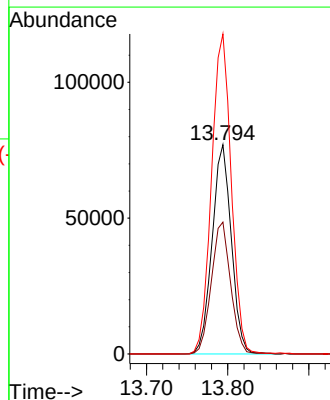
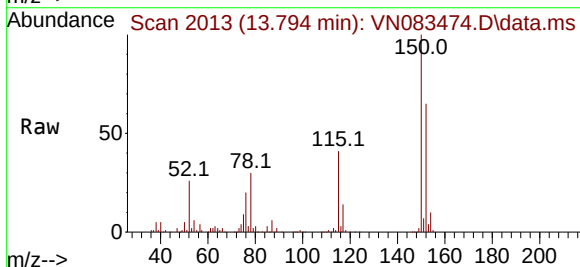
Tgt Ion:152 Resp: 126736

Ion Ratio Lower Upper

152 100

115 63.3 30.6 91.6

150 156.5 0.0 348.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082624\
Data File : VN083474.D
Acq On : 26 Aug 2024 11:33
Operator : JC\MD
Sample : VN0826WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0826WBL01

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\82N080724W.M
Title : SW846 8260

Signal : TIC: VN083473.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.301	53	59	72	rVB2	12191	35370	4.17%	0.758%
2	2.842	139	151	153	rBV7	10903	34789	4.11%	0.746%
3	8.165	1047	1056	1061	rBV	113508	271559	32.04%	5.821%
4	8.224	1061	1066	1079	rVB	180952	386395	45.60%	8.282%
5	8.577	1114	1126	1138	rBV	117605	265147	31.29%	5.683%
6	9.100	1203	1215	1229	rBV	297691	603108	71.17%	12.927%
7	10.565	1455	1464	1474	rBV	421247	766765	90.48%	16.435%
8	11.865	1677	1685	1694	rBV	482685	847444	100.00%	18.165%
9	12.847	1844	1852	1862	rBV	360120	628149	74.12%	13.464%
10	13.794	2005	2013	2024	rBV	492585	826634	97.54%	17.719%

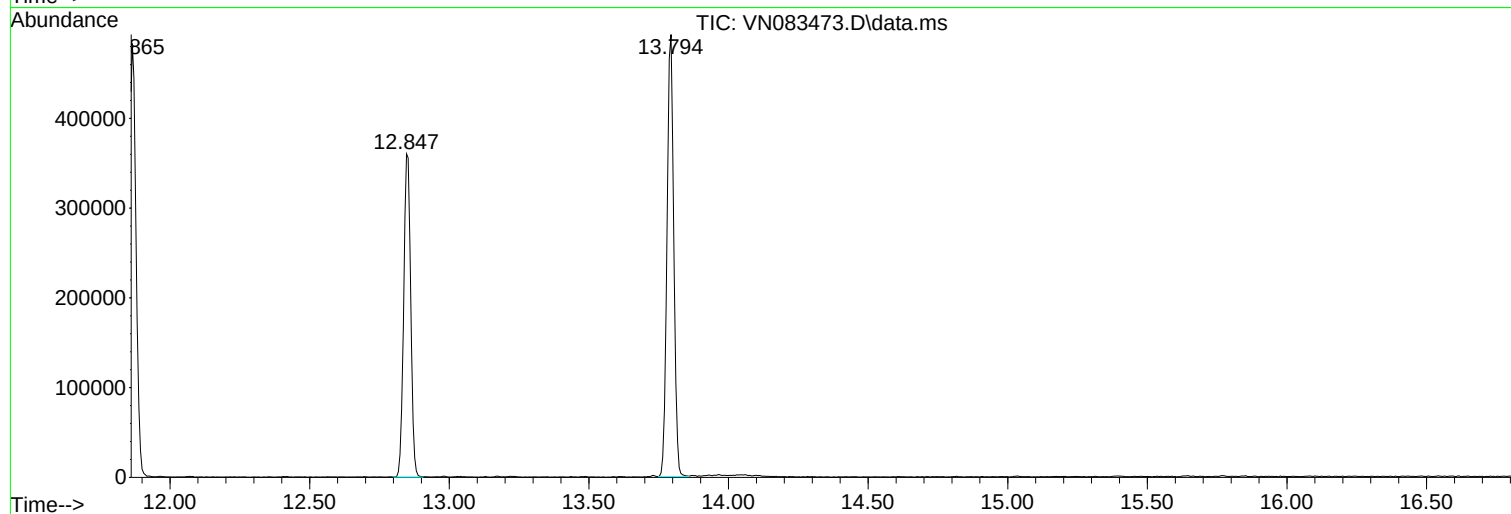
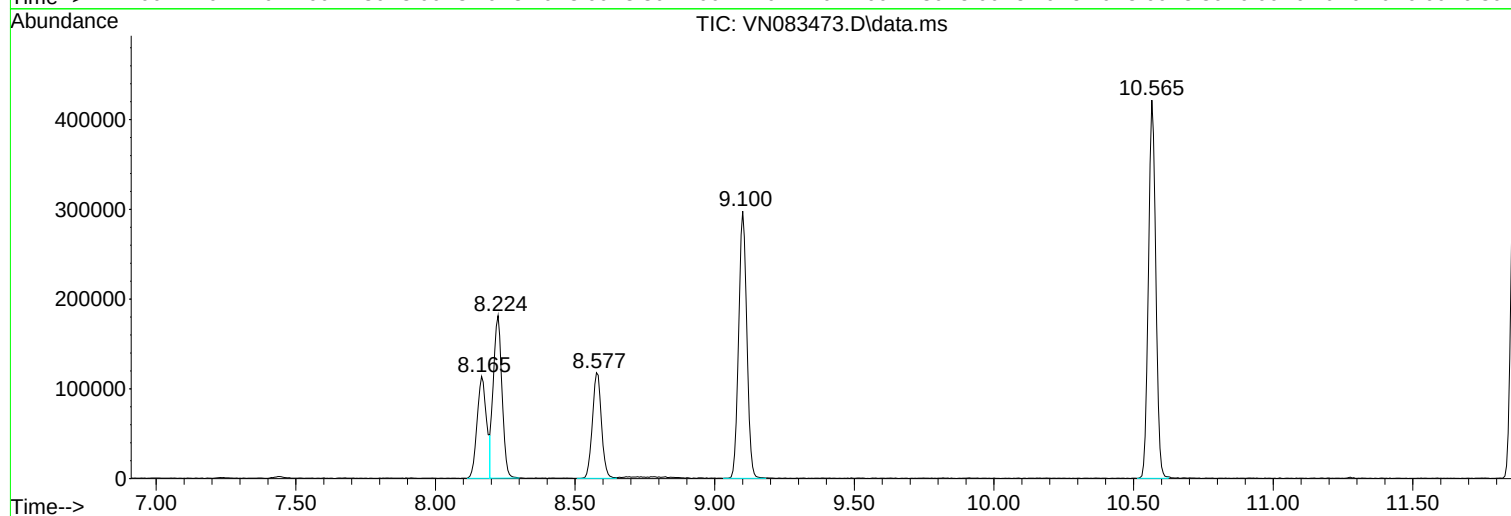
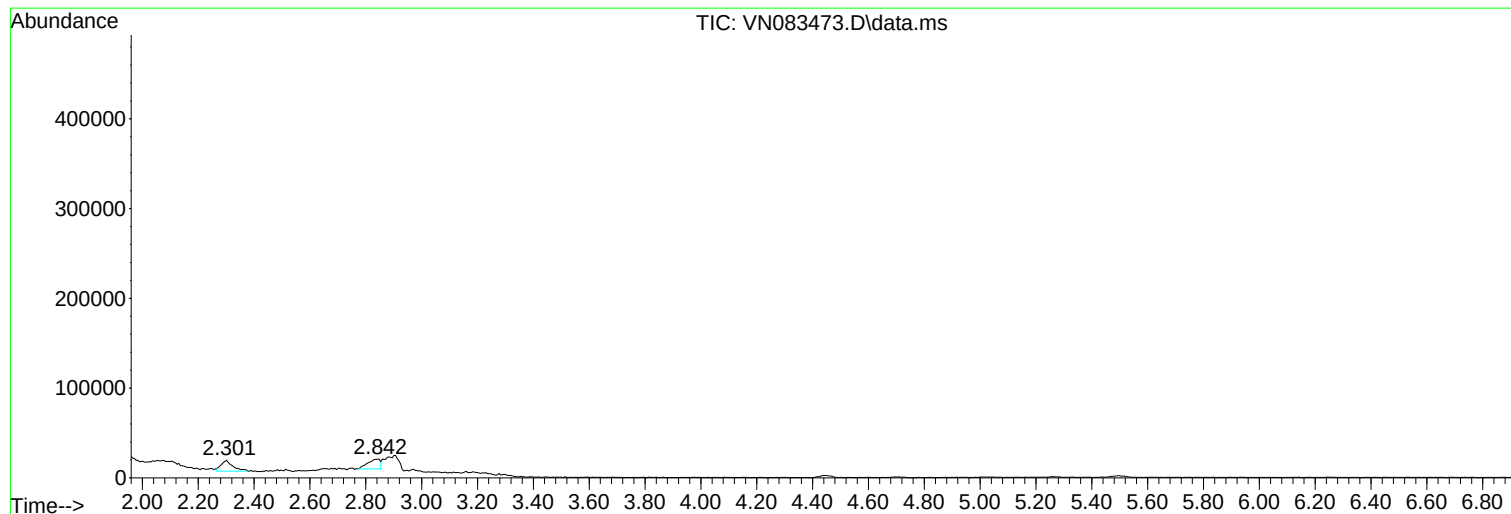
Sum of corrected areas: 4665360

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082624\
Data File : VN083474.D
Acq On : 26 Aug 2024 11:33
Operator : JC\MD
Sample : VN0826WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0826WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082624\
Data File : VN083474.D
Acq On : 26 Aug 2024 11:33
Operator : JC\MD
Sample : VN0826WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0826WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082624\
Data File : VN083474.D
Acq On : 26 Aug 2024 11:33
Operator : JC\MD
Sample : VN0826WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0826WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.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--			
					#	RT	Resp	Conc

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	NYSDEC Andrews St Site #E828144	Date Received:	
Client Sample ID:	VN0827WBL01	SDG No.:	P3716
Lab Sample ID:	VN0827WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
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
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN083498.D	1		08/27/24 10:04	VN082724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.21	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.35	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.34	1.00	ug/L
74-83-9	Bromomethane	5.00	U	1.40	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.26	1.00	ug/L
67-64-1	Acetone	5.00	U	1.40	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.60	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.60	5.00	ug/L
78-93-3	2-Butanone	5.00	U	1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00	U	0.25	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.18	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.19	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.19	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	0.24	1.00	ug/L
79-01-6	Trichloroethene	1.00	U	0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.19	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.75	5.00	ug/L
108-88-3	Toluene	1.00	U	0.18	1.00	ug/L

Report of Analysis

Client:	Day Environmental, Inc.		Date Collected:	
Project:	NYSDEC Andrews St Site #E828144		Date Received:	
Client Sample ID:	VN0827WBL01		SDG No.:	P3716
Lab Sample ID:	VN0827WBL01		Matrix:	Water
Analytical Method:	SW8260		% Solid:	0
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
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN083498.D	1		08/27/24 10:04	VN082724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	1.00	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	1.10	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	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	1.00	U	0.25	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.13	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	2.00	U	0.31	2.00	ug/L
95-47-6	o-Xylene	1.00	U	0.14	1.00	ug/L
100-42-5	Styrene	1.00	U	0.16	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.21	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.7		74 - 125	111%	SPK: 50
1868-53-7	Dibromofluoromethane	50.5		75 - 124	101%	SPK: 50
2037-26-5	Toluene-d8	48.3		86 - 113	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.2		77 - 121	108%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	141000	8.224			
540-36-3	1,4-Difluorobenzene	285000	9.1			
3114-55-4	Chlorobenzene-d5	301000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	143000	13.794			

Report of Analysis

Client:	Day Environmental, Inc.			Date Collected:	
Project:	NYSDEC Andrews St Site #E828144			Date Received:	
Client Sample ID:	VN0827WBL01			SDG No.:	P3716
Lab Sample ID:	VN0827WBL01			Matrix:	Water
Analytical Method:	SW8260			% Solid:	0
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
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN083498.D	1		08/27/24 10:04	VN082724

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\VN082724\
Data File : VN083498.D
Acq On : 27 Aug 2024 10:04
Operator : JC\MD
Sample : VN0827WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0827WBL01

Quant Time: Aug 28 07:33:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 08 06:30:41 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	141137	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	284718	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	301175	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	142541	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	111873	55.688	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 111.380%		
35) Dibromofluoromethane	8.171	113	89829	50.547	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 101.100%		
50) Toluene-d8	10.565	98	320049	48.279	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 96.560%		
62) 4-Bromofluorobenzene	12.847	95	140082	54.202	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 108.400%		

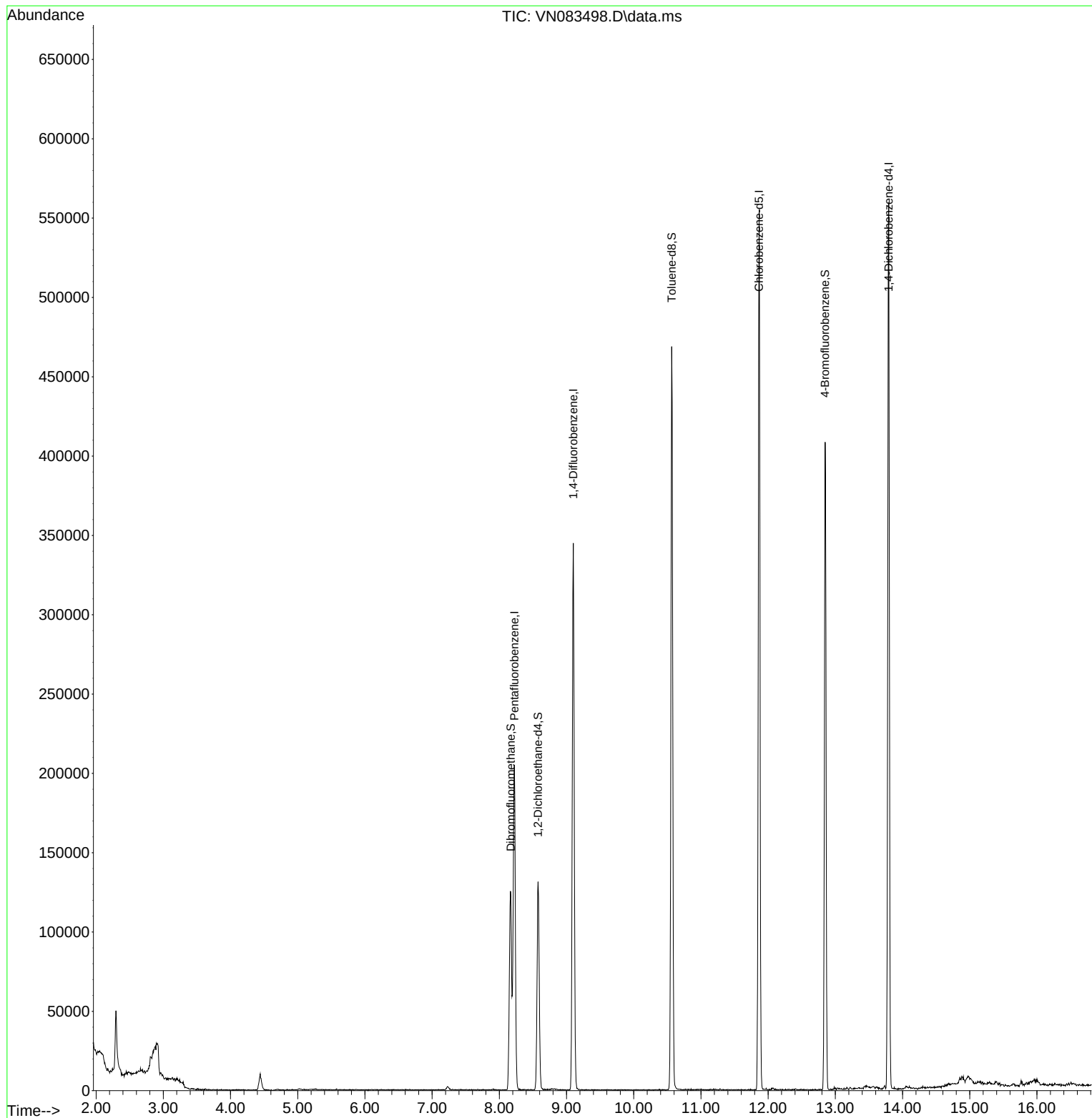
Target Compounds	Qvalue

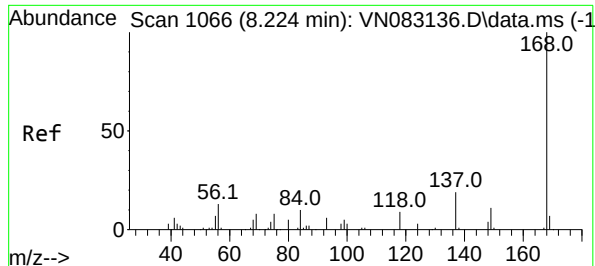
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082724\
Data File : VN083498.D
Acq On : 27 Aug 2024 10:04
Operator : JC\MD
Sample : VN0827WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0827WBL01

Quant Time: Aug 28 07:33:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 08 06:30:41 2024
Response via : Initial Calibration

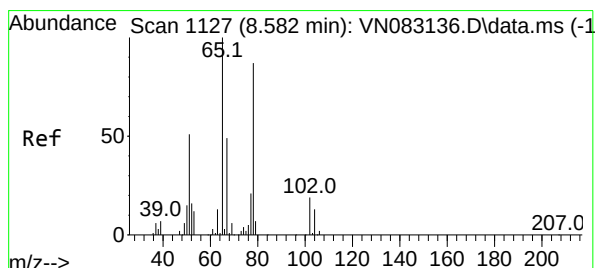
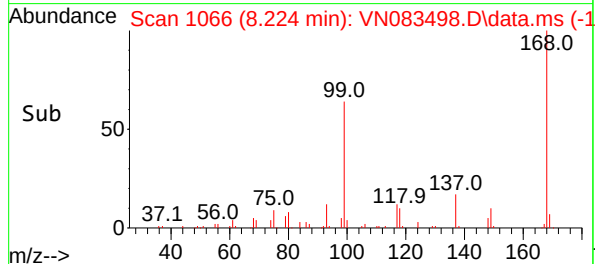
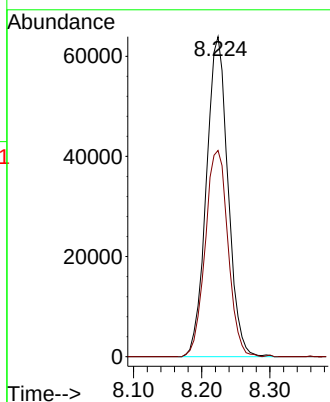
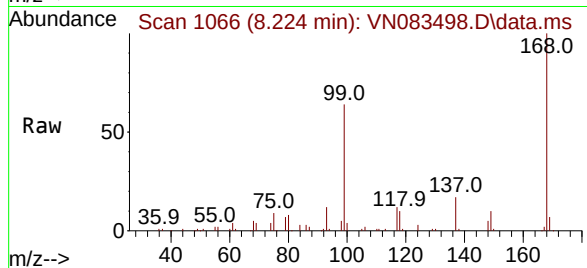




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083498.D
Acq: 27 Aug 2024 10:04

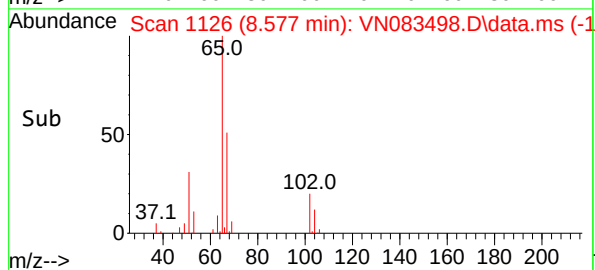
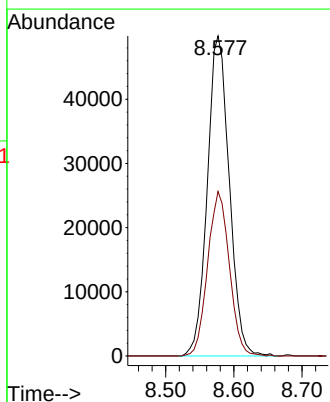
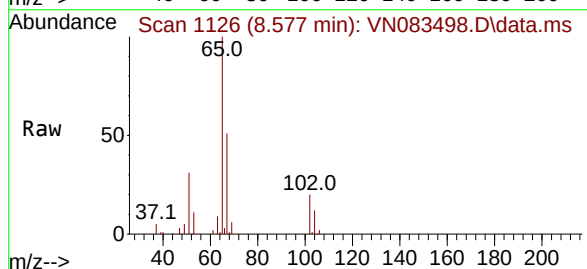
Instrument :
MSVOA_N
ClientSampleId :
VN0827WBL01

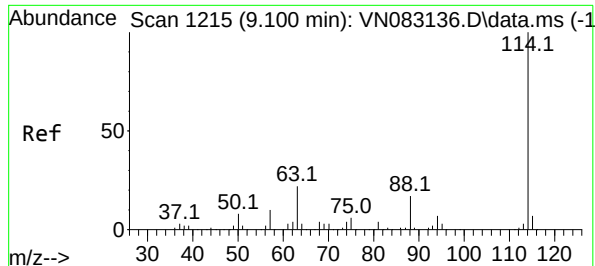
Tgt Ion:168 Resp: 141137
Ion Ratio Lower Upper
168 100
99 64.4 48.2 72.4



#33
1,2-Dichloroethane-d4
Concen: 55.688 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.005 min
Lab File: VN083498.D
Acq: 27 Aug 2024 10:04

Tgt Ion: 65 Resp: 111873
Ion Ratio Lower Upper
65 100
67 50.8 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN083498.D

Acq: 27 Aug 2024 10:04

Instrument :

MSVOA_N

ClientSampleId :

VN0827WBL01

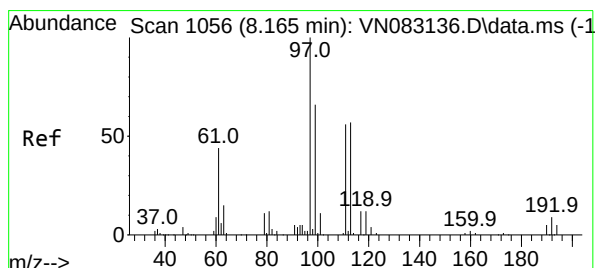
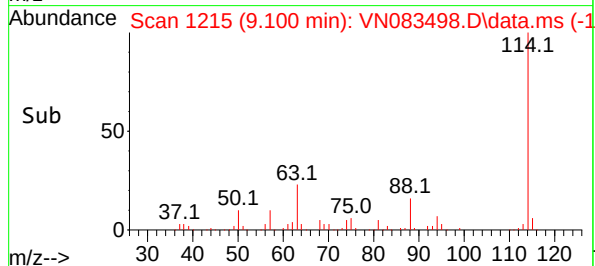
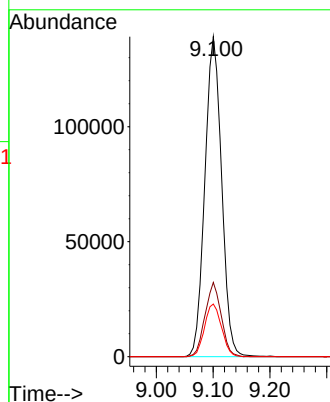
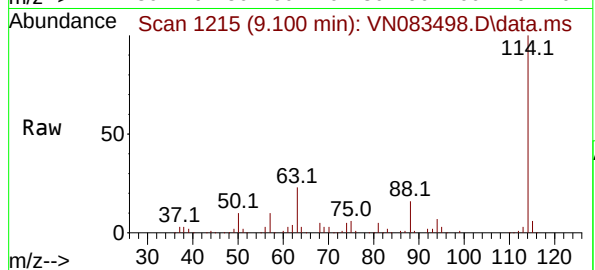
Tgt Ion:114 Resp: 284718

Ion Ratio Lower Upper

114 100

63 23.2 0.0 44.6

88 16.5 0.0 31.4



#35

Dibromofluoromethane

Concen: 50.547 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN083498.D

Acq: 27 Aug 2024 10:04

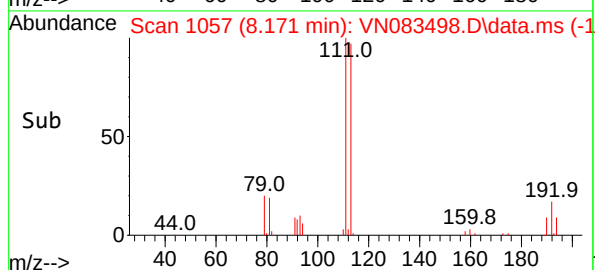
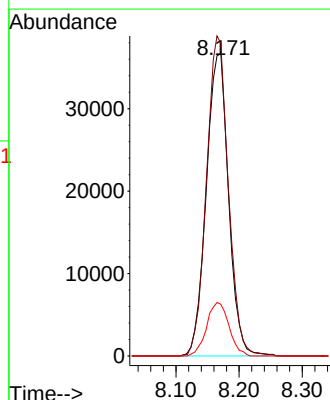
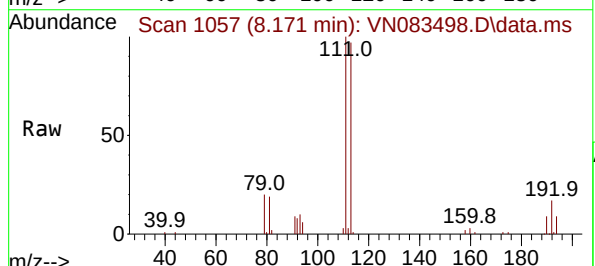
Tgt Ion:113 Resp: 89829

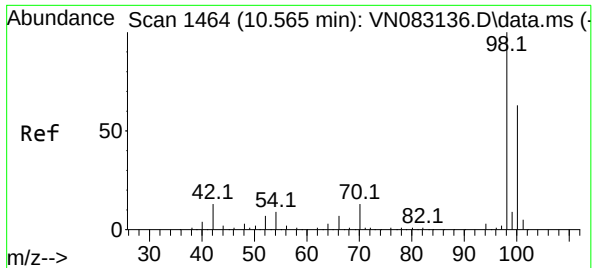
Ion Ratio Lower Upper

113 100

111 104.0 82.4 123.6

192 17.8 14.9 22.3

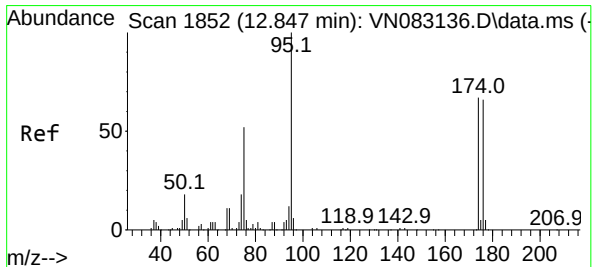
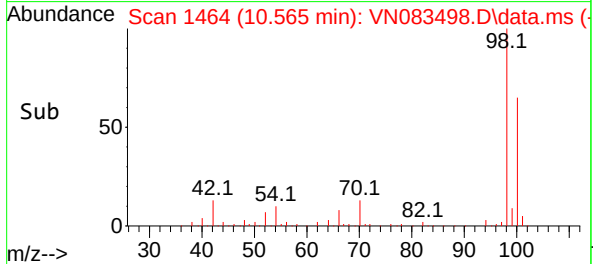
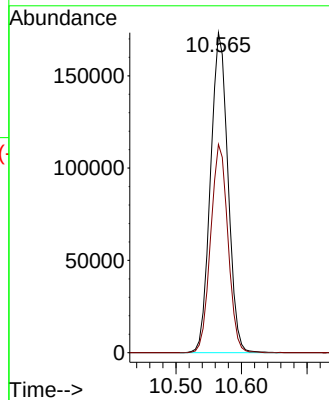
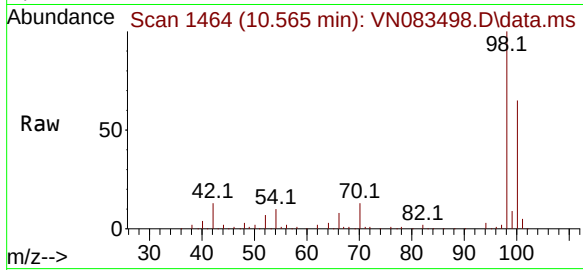




#50
Toluene-d8
Concen: 48.279 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN083498.D
Acq: 27 Aug 2024 10:04

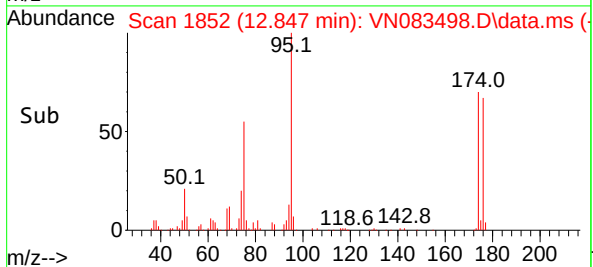
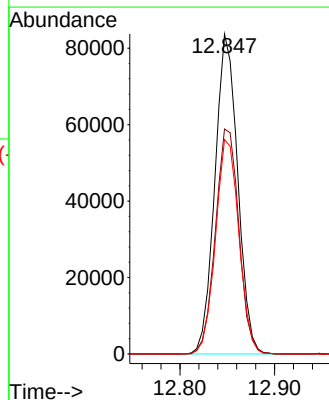
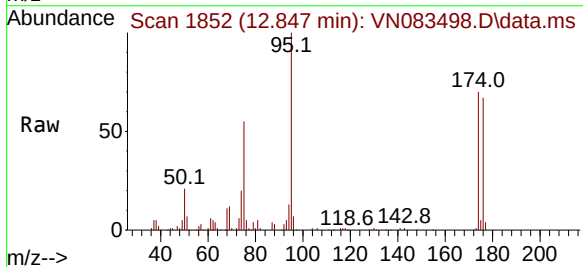
Instrument :
MSVOA_N
ClientSampleId :
VN0827WBL01

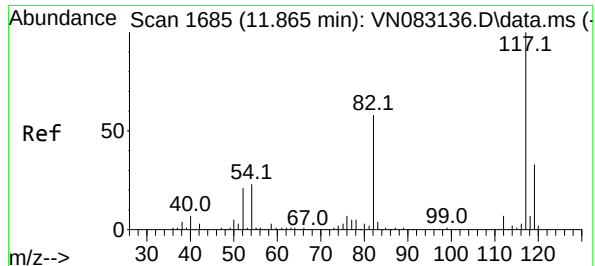
Tgt Ion: 98 Resp: 320049
Ion Ratio Lower Upper
98 100
100 64.5 51.5 77.3



#62
4-Bromofluorobenzene
Concen: 54.202 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN083498.D
Acq: 27 Aug 2024 10:04

Tgt Ion: 95 Resp: 140082
Ion Ratio Lower Upper
95 100
174 72.4 0.0 159.2
176 68.6 0.0 147.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN083498.D

Acq: 27 Aug 2024 10:04

Instrument :

MSVOA_N

ClientSampleId :

VN0827WBL01

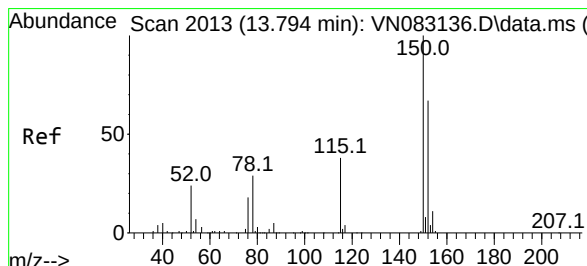
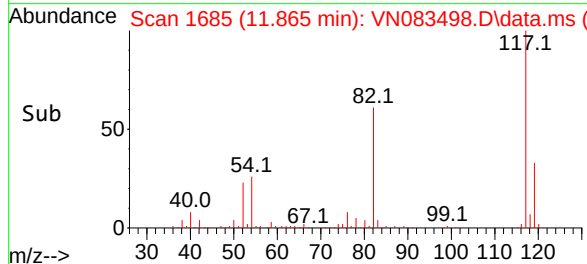
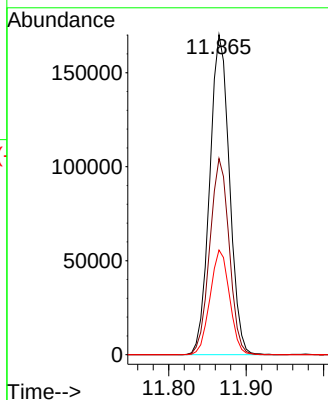
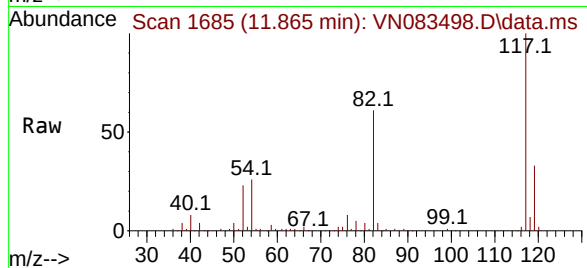
Tgt Ion:117 Resp: 301175

Ion Ratio Lower Upper

117 100

82 61.3 47.5 71.3

119 32.7 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.000 min

Lab File: VN083498.D

Acq: 27 Aug 2024 10:04

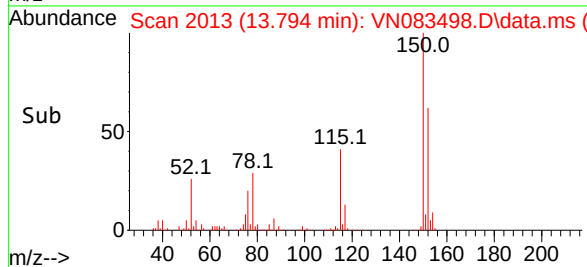
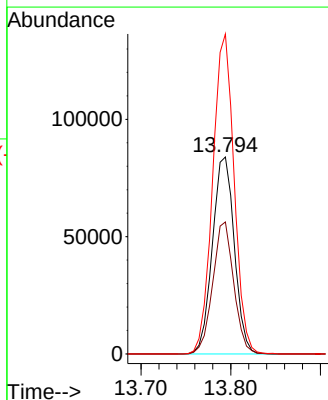
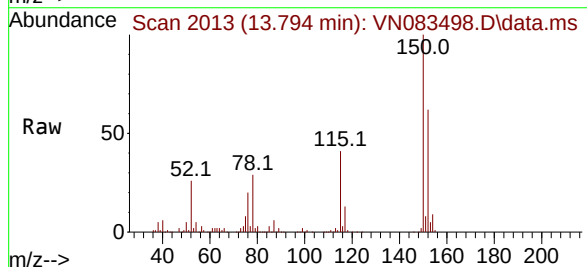
Tgt Ion:152 Resp: 142541

Ion Ratio Lower Upper

152 100

115 64.2 30.6 91.6

150 158.6 0.0 348.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082724\
Data File : VN083498.D
Acq On : 27 Aug 2024 10:04
Operator : JC\MD
Sample : VN0827WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0827WBL01

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\82N080724W.M
Title : SW846 8260

Signal : TIC: VN083498.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.295	53	58	72	rVB	40649	87761	9.03%	1.642%
2	2.807	143	145	149	rBV5	5841	10348	1.06%	0.194%
3	4.442	412	423	433	rBV	10303	26685	2.74%	0.499%
4	8.165	1044	1056	1060	rBV	125309	290695	29.90%	5.440%
5	8.224	1060	1066	1077	rVB	204785	467733	48.11%	8.753%
6	8.577	1116	1126	1138	rBV	131125	295074	30.35%	5.522%
7	9.100	1206	1215	1224	rBV	344637	696818	71.67%	13.041%
8	10.565	1455	1464	1480	rBV	468622	868000	89.28%	16.244%
9	11.865	1677	1685	1695	rBV	555144	972224	100.00%	18.195%
10	12.847	1845	1852	1862	rBV	408173	690826	71.06%	12.929%
11	13.794	2005	2013	2022	rBV	558610	937254	96.40%	17.540%

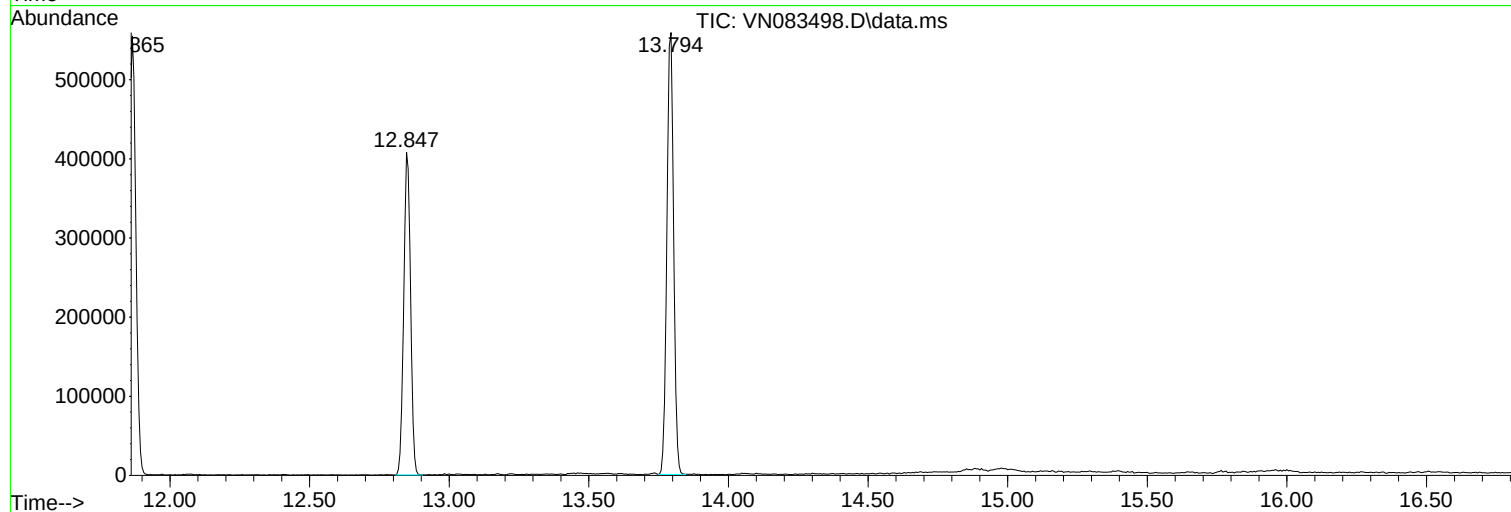
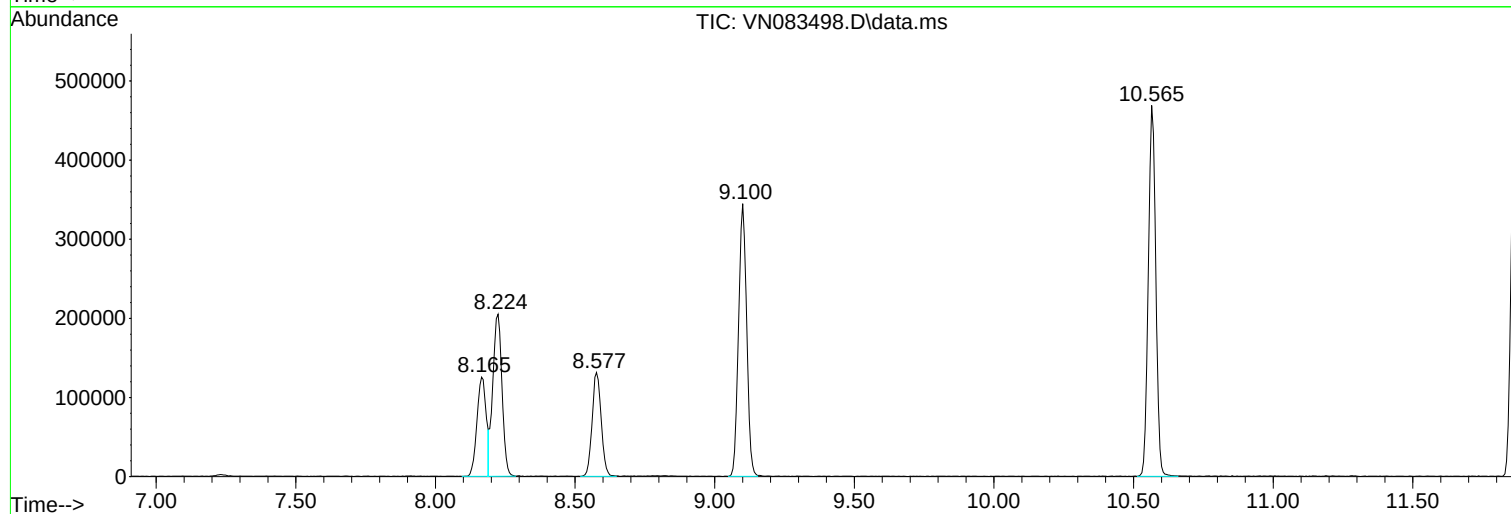
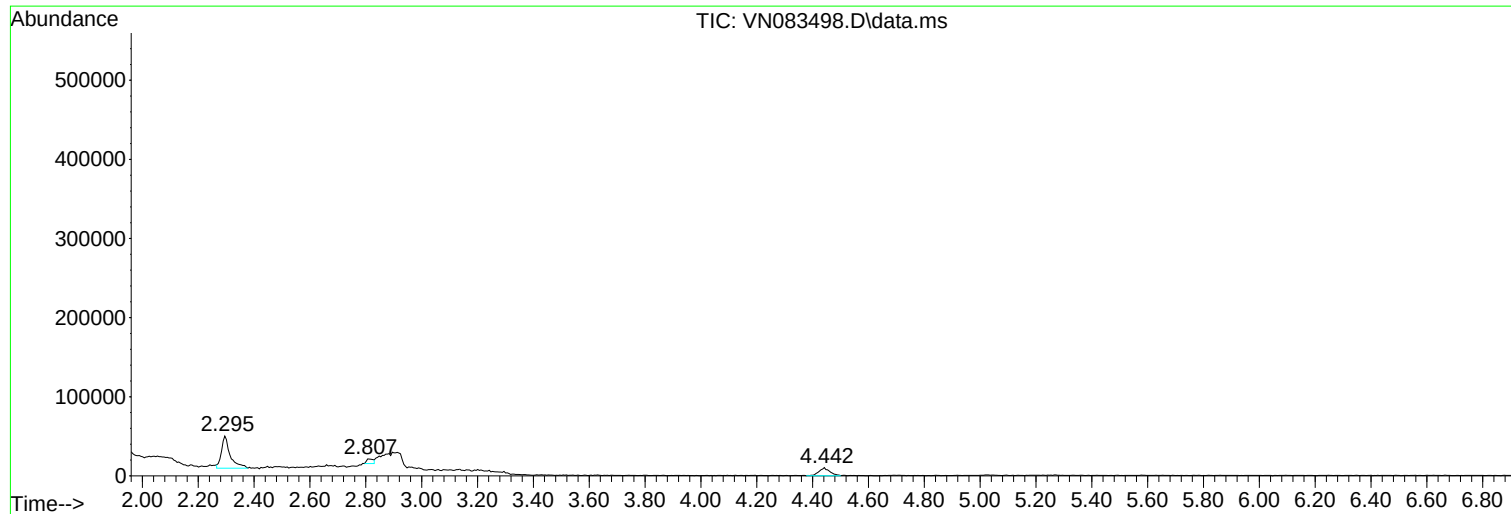
Sum of corrected areas: 5343418

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082724\
Data File : VN083498.D
Acq On : 27 Aug 2024 10:04
Operator : JC\MD
Sample : VN0827WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0827WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082724\
Data File : VN083498.D
Acq On : 27 Aug 2024 10:04
Operator : JC\MD
Sample : VN0827WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0827WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082724\
Data File : VN083498.D
Acq On : 27 Aug 2024 10:04
Operator : JC\MD
Sample : VN0827WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0827WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.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--			
					#	RT	Resp	Conc

Report of Analysis

Client:	Day Environmental, Inc.		Date Collected:	
Project:	NYSDEC Andrews St Site #E828144		Date Received:	
Client Sample ID:	VN0823WBS02		SDG No.:	P3716
Lab Sample ID:	VN0823WBS02		Matrix:	Water
Analytical Method:	SW8260		% Solid:	0
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
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN083451.D	1		08/23/24 11:14	VN082324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	17.3		0.21	1.00	ug/L
74-87-3	Chloromethane	20.5		0.35	1.00	ug/L
75-01-4	Vinyl Chloride	21.2		0.34	1.00	ug/L
74-83-9	Bromomethane	17.8		1.40	5.00	ug/L
75-00-3	Chloroethane	24.6		0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	21.9		0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	21.4		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	20.7		0.26	1.00	ug/L
67-64-1	Acetone	95.0		1.40	5.00	ug/L
75-15-0	Carbon Disulfide	18.6		0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	20.9		0.16	1.00	ug/L
79-20-9	Methyl Acetate	20.2		0.60	1.00	ug/L
75-09-2	Methylene Chloride	20.3		0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	20.6		0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	22.5		0.23	1.00	ug/L
110-82-7	Cyclohexane	19.8		1.60	5.00	ug/L
78-93-3	2-Butanone	93.1		1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	21.4		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	21.2		0.25	1.00	ug/L
74-97-5	Bromochloromethane	21.4		0.18	1.00	ug/L
67-66-3	Chloroform	22.7		0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	22.3		0.19	1.00	ug/L
108-87-2	Methylcyclohexane	19.1		0.19	1.00	ug/L
71-43-2	Benzene	22.0		0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	23.3		0.24	1.00	ug/L
79-01-6	Trichloroethene	20.9		0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	22.3		0.19	1.00	ug/L
75-27-4	Bromodichloromethane	21.1		0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	95.9		0.75	5.00	ug/L
108-88-3	Toluene	21.1		0.18	1.00	ug/L

Report of Analysis

Client:	Day Environmental, Inc.		Date Collected:	
Project:	NYSDEC Andrews St Site #E828144		Date Received:	
Client Sample ID:	VN0823WBS02	SDG No.:	P3716	
Lab Sample ID:	VN0823WBS02	Matrix:	Water	
Analytical Method:	SW8260	% Solid:	0	
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
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN083451.D	1		08/23/24 11:14	VN082324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	19.8		0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.5		0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	21.8		0.21	1.00	ug/L
591-78-6	2-Hexanone	91.5		1.10	5.00	ug/L
124-48-1	Dibromochloromethane	20.6		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	20.5		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	20.2		0.25	1.00	ug/L
108-90-7	Chlorobenzene	20.0		0.13	1.00	ug/L
100-41-4	Ethyl Benzene	20.0		0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	40.3		0.31	2.00	ug/L
95-47-6	o-Xylene	20.0		0.14	1.00	ug/L
100-42-5	Styrene	19.5		0.16	1.00	ug/L
75-25-2	Bromoform	18.6		0.21	1.00	ug/L
98-82-8	Isopropylbenzene	18.2		0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	19.8		0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.2		0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.5		0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.6		0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	16.7		0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	17.1		0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	17.2		0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	57.8		74 - 125	116%	SPK: 50
1868-53-7	Dibromofluoromethane	55.2		75 - 124	110%	SPK: 50
2037-26-5	Toluene-d8	51.9		86 - 113	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.3		77 - 121	105%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	138000	8.218			
540-36-3	1,4-Difluorobenzene	240000	9.1			
3114-55-4	Chlorobenzene-d5	210000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	104000	13.794			

Report of Analysis

Client:	Day Environmental, Inc.		Date Collected:	
Project:	NYSDEC Andrews St Site #E828144		Date Received:	
Client Sample ID:	VN0823WBS02		SDG No.:	P3716
Lab Sample ID:	VN0823WBS02		Matrix:	Water
Analytical Method:	SW8260		% Solid:	0
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
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN083451.D	1		08/23/24 11:14	VN082324

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\VN082324\
 Data File : VN083451.D
 Acq On : 23 Aug 2024 11:14
 Operator : JC\MD
 Sample : VN0823WBS02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0823WBS02

Manual Integrations APPROVED

Reviewed By :John Carlone 08/26/2024
 Supervised By :Semsettin Yesilyurt 08/26/2024

Quant Time: Aug 23 23:55:54 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 08 06:30:41 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	137677	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	239743	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	210226	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	104257	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	113309	57.820	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 115.640%			
35) Dibromofluoromethane	8.165	113	82674	55.248	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 110.500%			
50) Toluene-d8	10.565	98	289976	51.948	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.900%			
62) 4-Bromofluorobenzene	12.847	95	113906	52.342	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 104.680%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	27023	17.308	ug/l	97
3) Chloromethane	2.359	50	32732	20.478	ug/l	97
4) Vinyl Chloride	2.518	62	34518	21.164	ug/l	98
5) Bromomethane	2.901	94	17971	17.757	ug/l	100
6) Chloroethane	3.071	64	25118	24.615	ug/l	100
7) Trichlorofluoromethane	3.465	101	58880	21.853	ug/l	96
8) Diethyl Ether	3.953	74	21909	21.852	ug/l	84
9) 1,1,2-Trichlorotrifluo...	4.359	101	31816	21.418	ug/l	99
10) Methyl Iodide	4.583	142	42019	21.503	ug/l #	97
11) Tert butyl alcohol	5.542	59	36347	89.248	ug/l #	94
12) 1,1-Dichloroethene	4.324	96	31630	20.725	ug/l	87
13) Acrolein	4.177	56	27564	103.848	ug/l	99
14) Allyl chloride	5.006	41	56672	19.650	ug/l	90
15) Acrylonitrile	5.718	53	83751	99.991	ug/l	97
16) Acetone	4.430	43	72834	94.982	ug/l	95
17) Carbon Disulfide	4.695	76	83087	18.606	ug/l	96
18) Methyl Acetate	5.024	43	46086	20.172	ug/l	92
19) Methyl tert-butyl Ether	5.795	73	115191	20.911	ug/l	98
20) Methylene Chloride	5.265	84	35877	20.329	ug/l	85
21) trans-1,2-Dichloroethene	5.777	96	32463	20.580	ug/l	93
22) Diisopropyl ether	6.671	45	119815	22.101	ug/l #	94
23) Vinyl Acetate	6.600	43	587997	105.817	ug/l	96
24) 1,1-Dichloroethane	6.559	63	66610	22.542	ug/l	100
25) 2-Butanone	7.483	43	109596	93.081	ug/l	93
26) 2,2-Dichloropropane	7.483	77	56242	20.495	ug/l	97
27) cis-1,2-Dichloroethene	7.483	96	40408	21.229	ug/l	93
28) Bromochloromethane	7.806	49	25801	21.365	ug/l	89
29) Tetrahydrofuran	7.841	42	72634	95.430	ug/l	90
30) Chloroform	7.959	83	69647	22.686	ug/l	97
31) Cyclohexane	8.259	56	57555	19.818	ug/l	96
32) 1,1,1-Trichloroethane	8.165	97	64780	22.293	ug/l	95
36) 1,1-Dichloropropene	8.371	75	45600	20.144	ug/l	99
37) Ethyl Acetate	7.559	43	45652	18.012	ug/l #	94
38) Carbon Tetrachloride	8.359	117	54529	21.387	ug/l	98
39) Methylcyclohexane	9.600	83	53235	19.147	ug/l	96
40) Benzene	8.606	78	148246	21.983	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082324\
 Data File : VN083451.D
 Acq On : 23 Aug 2024 11:14
 Operator : JC\MD
 Sample : VN0823WBS02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0823WBS02

Manual Integrations APPROVED

Reviewed By :John Carlone 08/26/2024
 Supervised By :Semsettin Yesilyurt 08/26/2024

Quant Time: Aug 23 23:55:54 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 08 06:30:41 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	27091	18.799	ug/l	95
42) 1,2-Dichloroethane	8.671	62	57328	23.337	ug/l	99
43) Isopropyl Acetate	8.688	43	80867	16.944	ug/l #	92
44) Trichloroethene	9.353	130	33601	20.934	ug/l	96
45) 1,2-Dichloropropane	9.618	63	35684	22.292	ug/l	98
46) Dibromomethane	9.706	93	25359	22.133	ug/l	98
47) Bromodichloromethane	9.888	83	54198	21.067	ug/l	97
48) Methyl methacrylate	9.677	41	39631	18.913	ug/l	95
49) 1,4-Dioxane	9.700	88	13363	353.483	ug/l #	78
51) 4-Methyl-2-Pentanone	10.447	43	229896	95.919	ug/l	93
52) Toluene	10.630	92	89854	21.088	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	52271	19.780	ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	57654	20.512	ug/l	90
55) 1,1,2-Trichloroethane	11.012	97	33326	21.825	ug/l	94
56) Ethyl methacrylate	10.877	69	55123	19.149	ug/l	88
57) 1,3-Dichloropropane	11.165	76	58649	21.549	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	109304	89.830	ug/l	98
59) 2-Hexanone	11.194	43	169577	91.454	ug/l	94
60) Dibromochloromethane	11.359	129	37973	20.569	ug/l	97
61) 1,2-Dibromoethane	11.471	107	32837	20.471	ug/l	94
64) Tetrachloroethene	11.100	164	28181	20.241	ug/l	97
65) Chlorobenzene	11.894	112	93093	20.038	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.959	131	33919	20.702	ug/l	98
67) Ethyl Benzene	11.959	91	170627	20.021	ug/l	93
68) m/p-Xylenes	12.071	106	128625	40.290	ug/l	99
69) o-Xylene	12.400	106	63113	20.045	ug/l	100
70) Styrene	12.412	104	103128	19.501	ug/l	97
71) Bromoform	12.576	173	23035	18.558	ug/l #	100
73) Isopropylbenzene	12.694	105	158979	18.231	ug/l	100
74) N-amyl acetate	12.494	43	71264	16.707	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.941	83	48928	19.838	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	36028m	15.745	ug/l	
77) Bromobenzene	12.982	156	37703	19.463	ug/l	98
78) n-propylbenzene	13.035	91	181591	18.084	ug/l	99
79) 2-Chlorotoluene	13.123	91	117115	18.397	ug/l	99
80) 1,3,5-Trimethylbenzene	13.171	105	136958	18.760	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	15138	14.391	ug/l	96
82) 4-Chlorotoluene	13.223	91	118732	18.594	ug/l	98
83) tert-Butylbenzene	13.435	119	119349	18.460	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	138275	18.794	ug/l	98
85) sec-Butylbenzene	13.618	105	155876	17.669	ug/l	100
86) p-Isopropyltoluene	13.729	119	131850	18.101	ug/l	97
87) 1,3-Dichlorobenzene	13.735	146	69922	19.183	ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	71690	19.509	ug/l	96
89) n-Butylbenzene	14.059	91	108510	17.192	ug/l	99
90) Hexachloroethane	14.335	117	25314	17.988	ug/l	94
91) 1,2-Dichlorobenzene	14.106	146	69105	19.592	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.717	75	9999	16.707	ug/l	95
93) 1,2,4-Trichlorobenzene	15.388	180	33864	17.137	ug/l	98
94) Hexachlorobutadiene	15.500	225	14347	16.325	ug/l	98
95) Naphthalene	15.641	128	112981	16.141	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	33573	17.170	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082324\
Data File : VN083451.D
Acq On : 23 Aug 2024 11:14
Operator : JC\MD
Sample : VN0823WBS02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 23 23:55:54 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 08 06:30:41 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0823WBS02

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/26/2024
Supervised By :Semsettin Yesilyurt 08/26/2024

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

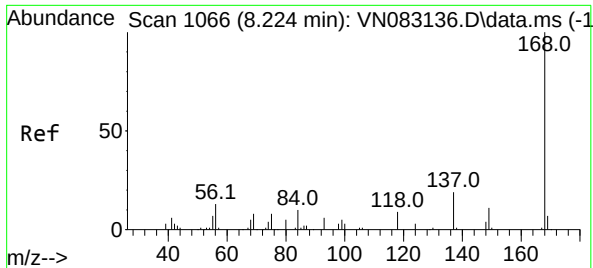
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_N
ClientSampleId :
VN0823WBS02

Manual Integrations APPROVED

Reviewed By :John Carlone 08/26/2024
Supervised By :Semsettin Yesilyurt 08/26/2024





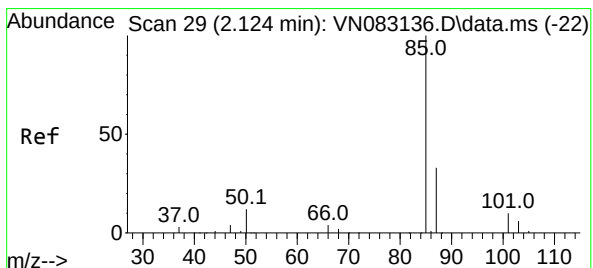
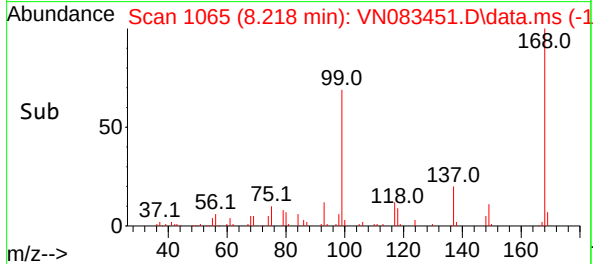
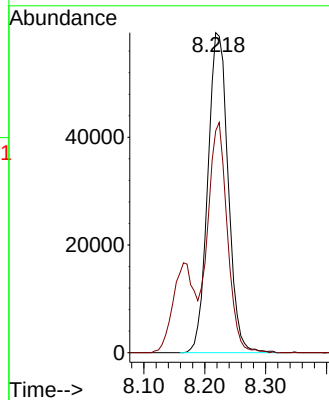
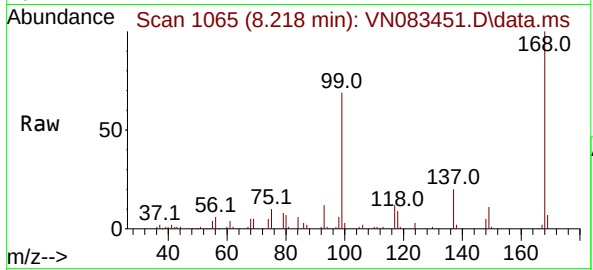
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1066
Delta R.T. -0.006 min
Lab File: VN083451.D
Acq: 23 Aug 2024 11:14

Instrument :
MSVOA_N
ClientSampleId :
VN0823WBS02

Tgt Ion:168 Resp: 13767
Ion Ratio Lower Upper
168 100
99 69.4 48.2 72.4

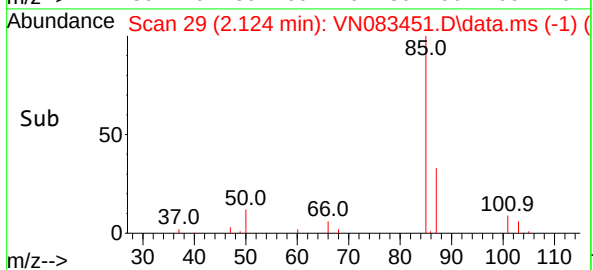
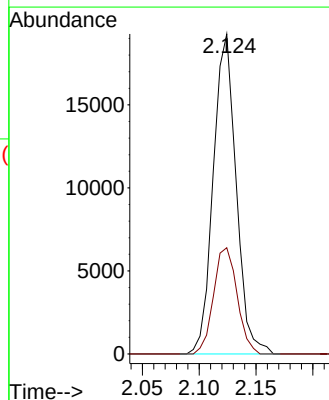
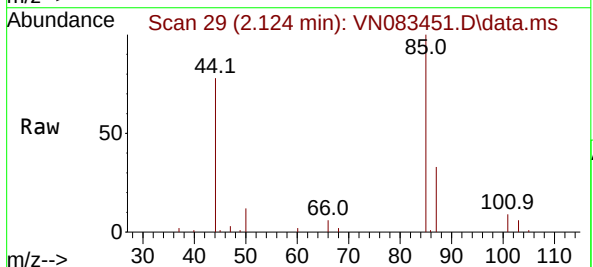
Manual Integrations
APPROVED

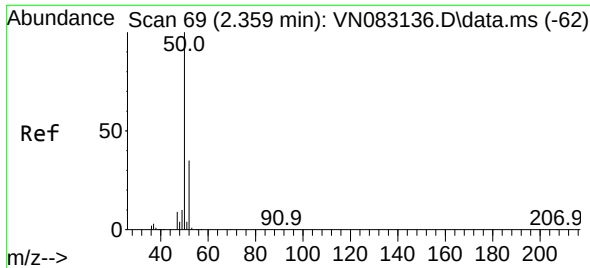
Reviewed By :John Carlone 08/26/2024
Supervised By :Semsettin Yesilyurt 08/26/2024



#2
Dichlorodifluoromethane
Concen: 17.308 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN083451.D
Acq: 23 Aug 2024 11:14

Tgt Ion: 85 Resp: 27023
Ion Ratio Lower Upper
85 100
87 33.2 15.7 47.0





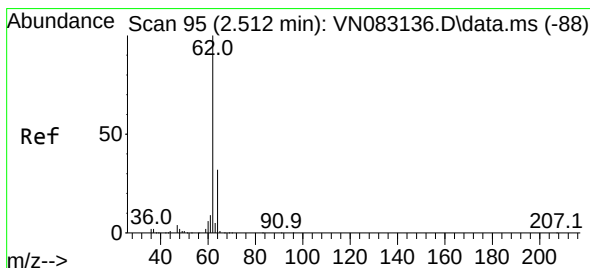
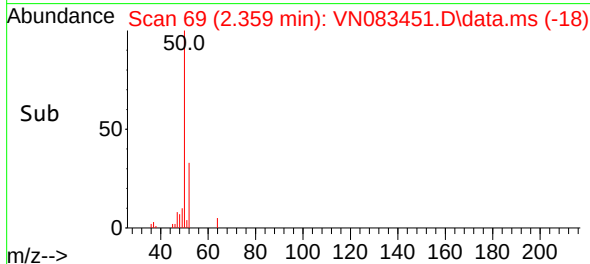
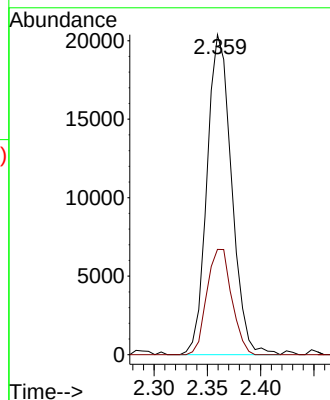
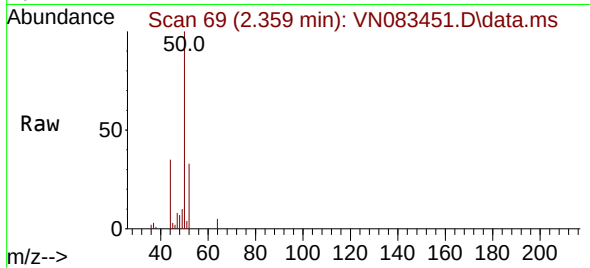
#3
Chloromethane
Concen: 20.478 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN083451.D
Acq: 23 Aug 2024 11:14

Instrument :
MSVOA_N
ClientSampleId :
VN0823WBS02

Tgt Ion: 50 Resp: 3273
Ion Ratio Lower Upper
50 100
52 32.9 25.0 37.4

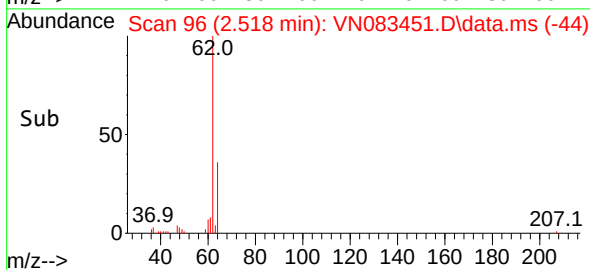
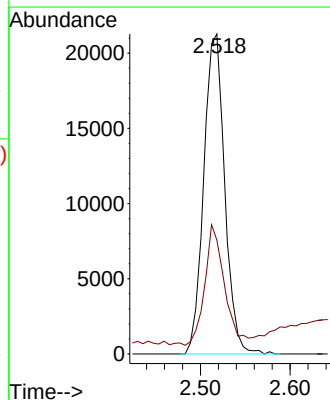
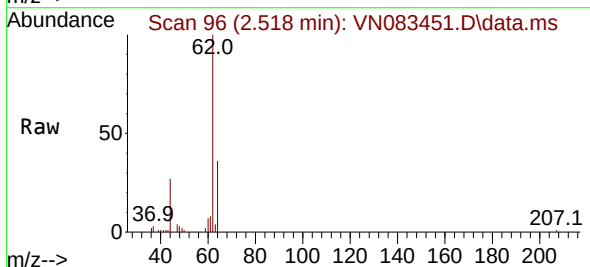
Manual Integrations
APPROVED

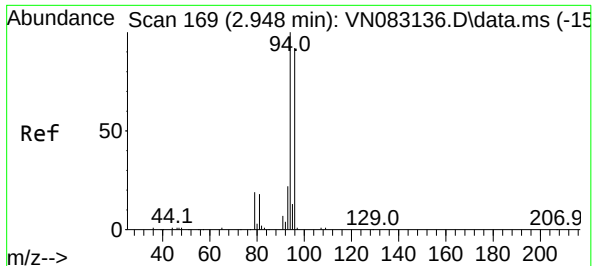
Reviewed By :John Carlone 08/26/2024
Supervised By :Semsettin Yesilyurt 08/26/2024



#4
Vinyl Chloride
Concen: 21.164 ug/l
RT: 2.518 min Scan# 96
Delta R.T. 0.006 min
Lab File: VN083451.D
Acq: 23 Aug 2024 11:14

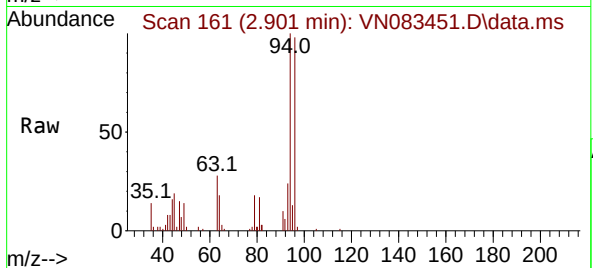
Tgt Ion: 62 Resp: 34518
Ion Ratio Lower Upper
62 100
64 32.2 25.0 37.6





#5
Bromomethane
Concen: 17.757 ug/l
RT: 2.901 min Scan# 11
Delta R.T. -0.047 min
Lab File: VN083451.D
Acq: 23 Aug 2024 11:14

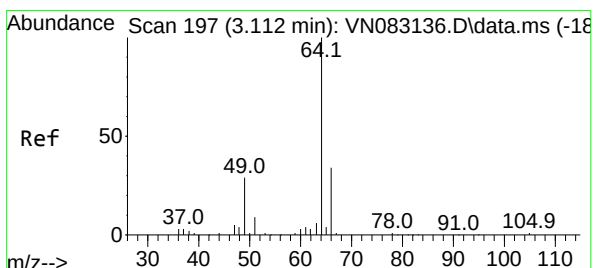
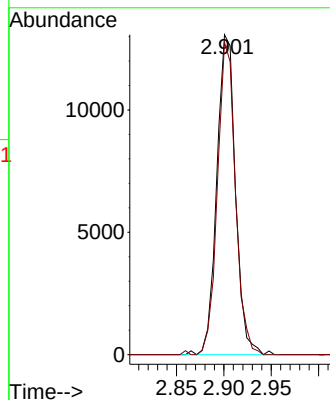
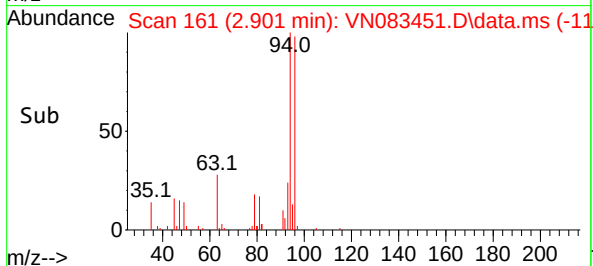
Instrument :
MSVOA_N
ClientSampleId :
VN0823WBS02



Tgt Ion: 94 Resp: 1797
Ion Ratio Lower Upper
94 100
96 97.6 78.0 117.0

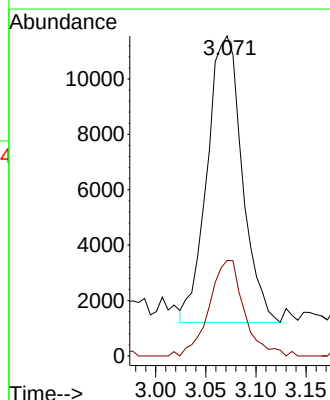
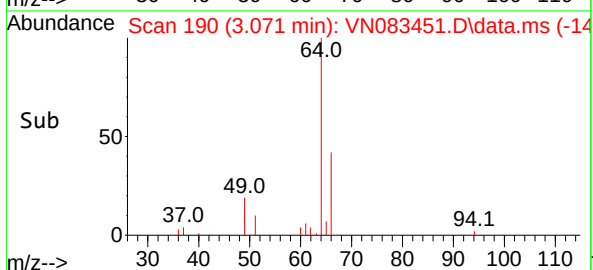
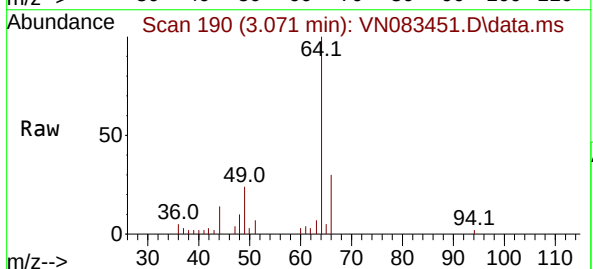
Manual Integrations
APPROVED

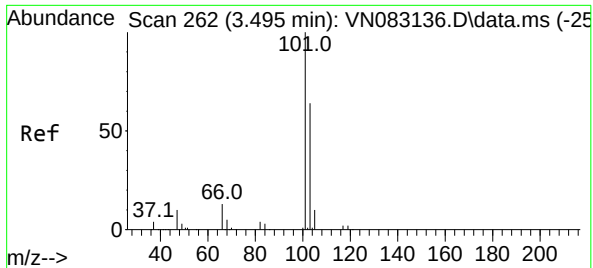
Reviewed By :John Carlone 08/26/2024
Supervised By :Semsettin Yesilyurt 08/26/2024



#6
Chloroethane
Concen: 24.615 ug/l
RT: 3.071 min Scan# 190
Delta R.T. -0.041 min
Lab File: VN083451.D
Acq: 23 Aug 2024 11:14

Tgt Ion: 64 Resp: 25118
Ion Ratio Lower Upper
64 100
66 33.3 26.6 40.0





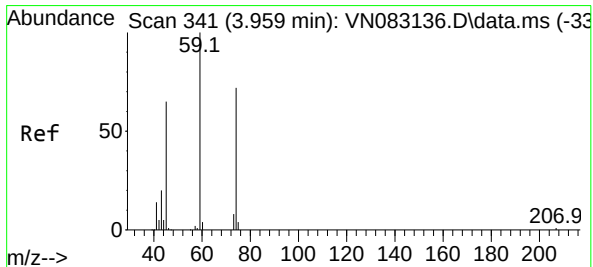
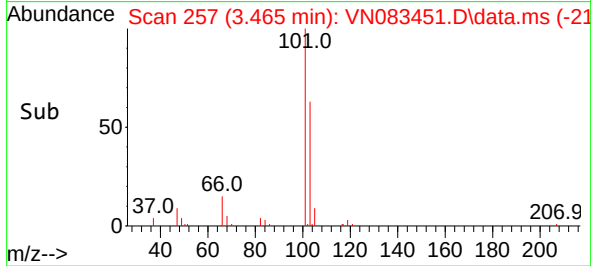
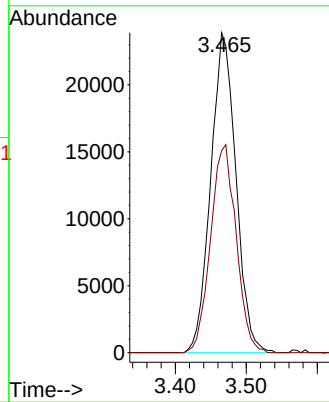
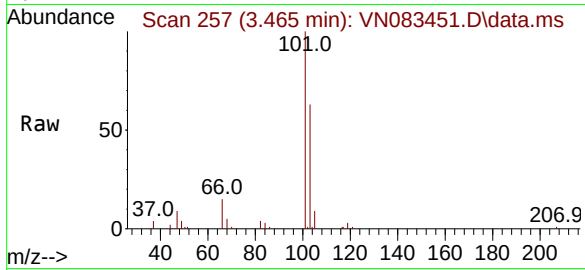
#7
Trichlorofluoromethane
Concen: 21.853 ug/l
RT: 3.465 min Scan# 21
Delta R.T. -0.030 min
Lab File: VN083451.D
Acq: 23 Aug 2024 11:14

Instrument :
MSVOA_N
ClientSampleId :
VN0823WBS02

Tgt Ion:101 Resp: 58880
Ion Ratio Lower Upper
101 100
103 63.1 52.7 79.1

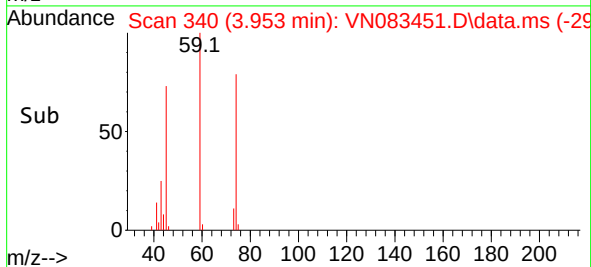
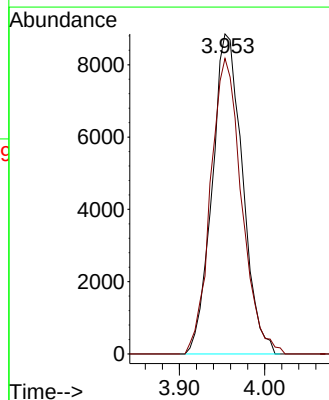
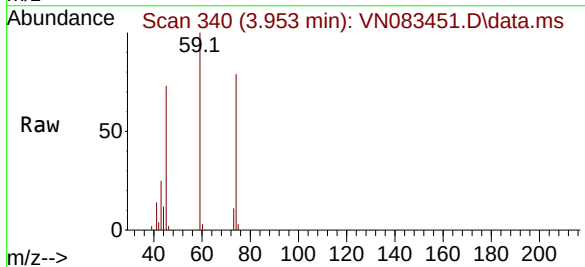
Manual Integrations
APPROVED

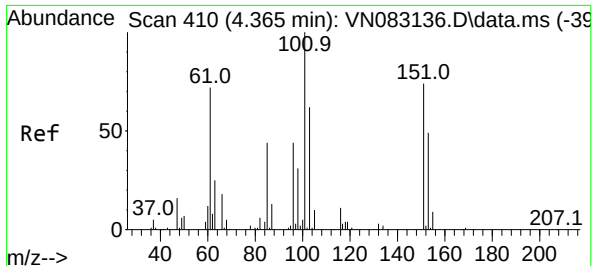
Reviewed By :John Carlone 08/26/2024
Supervised By :Semsettin Yesilyurt 08/26/2024



#8
Diethyl Ether
Concen: 21.852 ug/l
RT: 3.953 min Scan# 340
Delta R.T. -0.006 min
Lab File: VN083451.D
Acq: 23 Aug 2024 11:14

Tgt Ion: 74 Resp: 21909
Ion Ratio Lower Upper
74 100
45 94.4 55.5 166.3





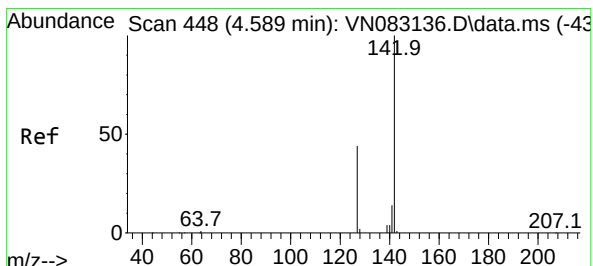
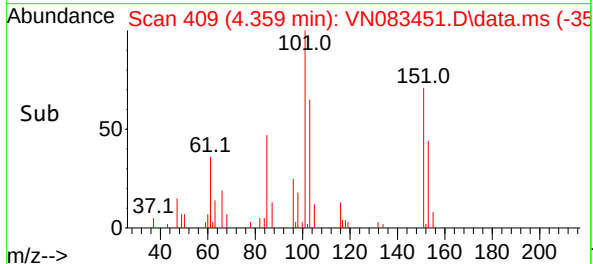
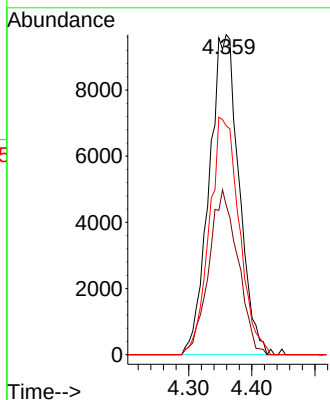
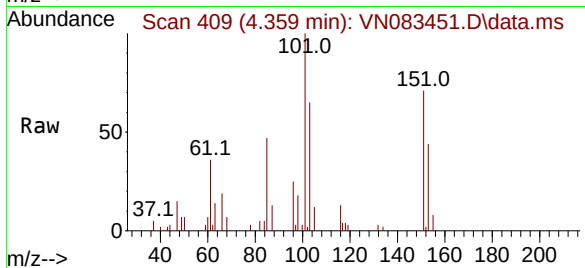
#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.418 ug/l
RT: 4.359 min Scan# 409
Delta R.T. -0.006 min
Lab File: VN083451.D
Acq: 23 Aug 2024 11:14

Instrument :
MSVOA_N
ClientSampleId :
VN0823WBS02

Tgt Ion	101	Resp	31810
Ion Ratio	100	Lower	Upper
101	100		
85	50.3	38.3	57.5
151	74.1	59.3	88.9

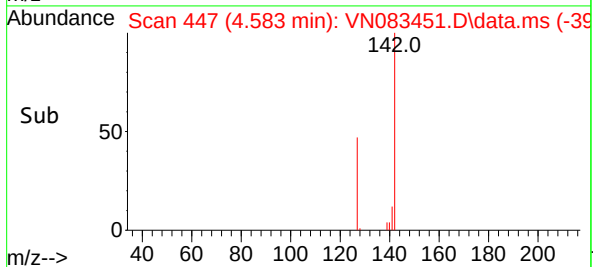
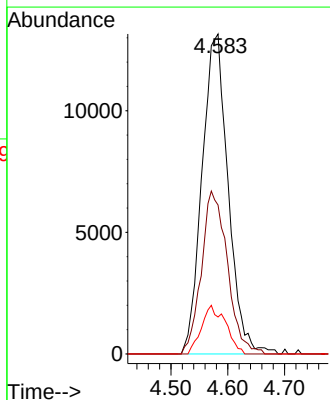
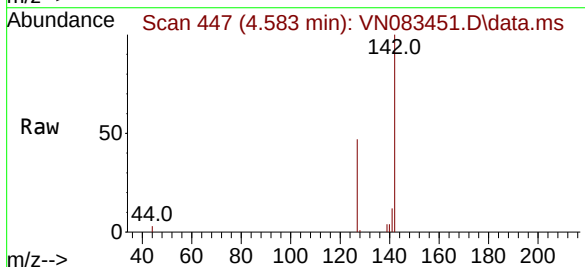
Manual Integrations
APPROVED

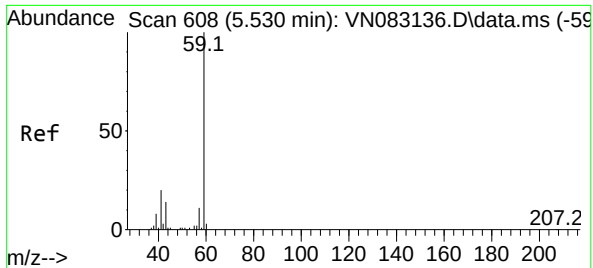
Reviewed By :John Carlone 08/26/2024
Supervised By :Semsettin Yesilyurt 08/26/2024



#10
Methyl Iodide
Concen: 21.503 ug/l
RT: 4.583 min Scan# 447
Delta R.T. -0.006 min
Lab File: VN083451.D
Acq: 23 Aug 2024 11:14

Tgt Ion	142	Resp	42019
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
142	100		
127	46.6	37.5	56.3
141	11.6	13.1	19.7





#11

Tert butyl alcohol

Concen: 89.248 ug/l

RT: 5.542 min Scan# 610

Delta R.T. 0.012 min

Lab File: VN083451.D

Acq: 23 Aug 2024 11:14

Instrument :

MSVOA_N

ClientSampleId :

VN0823WBS02

Tgt Ion: 59 Resp: 3634

Ion Ratio Lower Upper

59 100

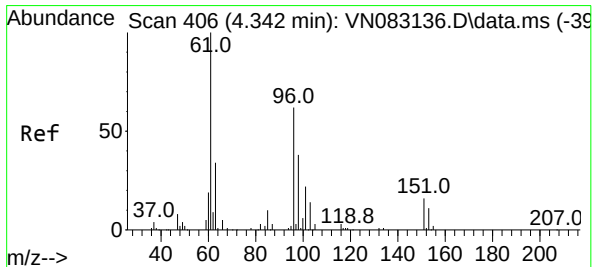
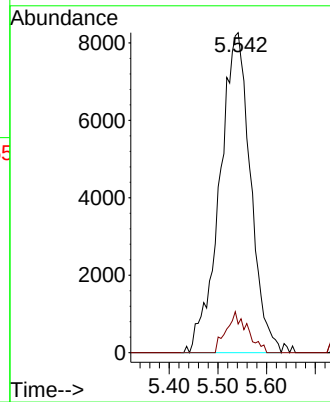
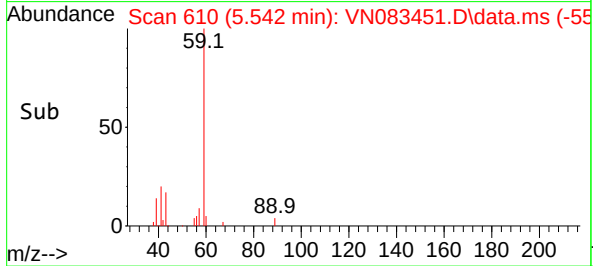
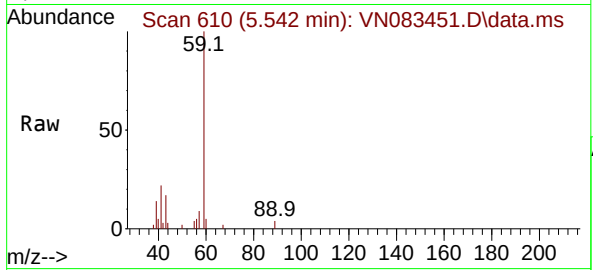
57 8.9 8.9 13.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/26/2024

Supervised By :Semsettin Yesilyurt 08/26/2024



#12

1,1-Dichloroethene

Concen: 20.725 ug/l

RT: 4.324 min Scan# 403

Delta R.T. -0.018 min

Lab File: VN083451.D

Acq: 23 Aug 2024 11:14

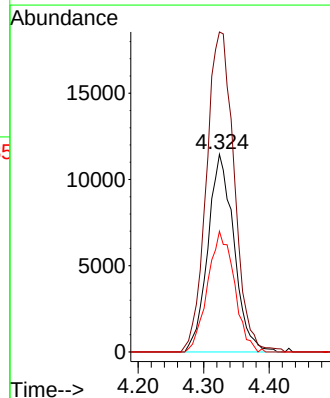
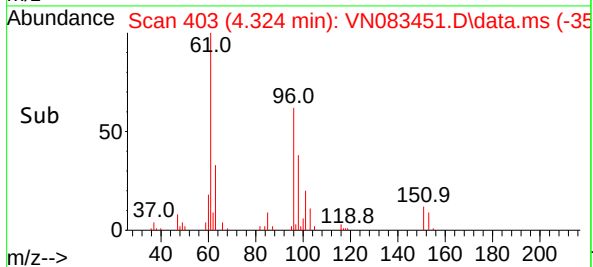
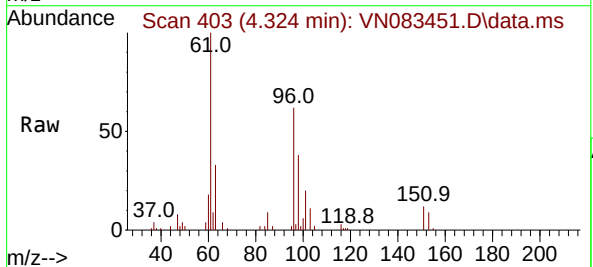
Tgt Ion: 96 Resp: 31630

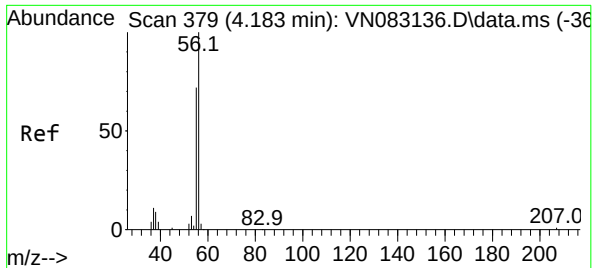
Ion Ratio Lower Upper

96 100

61 161.9 149.7 224.5

98 61.1 50.1 75.1





#13

Acrolein

Concen: 103.848 ug/l

RT: 4.177 min Scan# 31

Delta R.T. -0.006 min

Lab File: VN083451.D

Acq: 23 Aug 2024 11:14

Instrument :

MSVOA_N

ClientSampleId :

VN0823WBS02

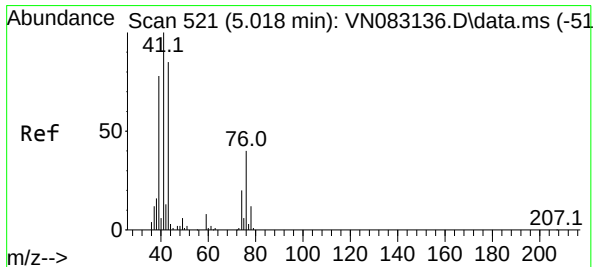
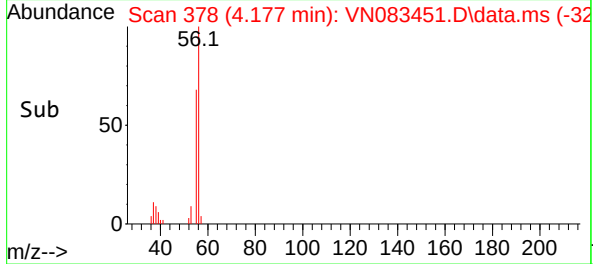
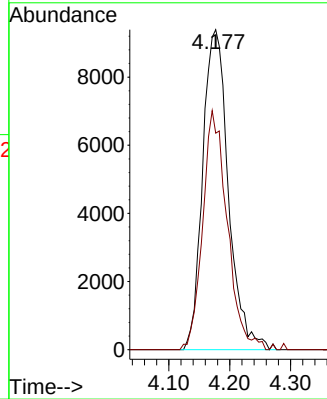
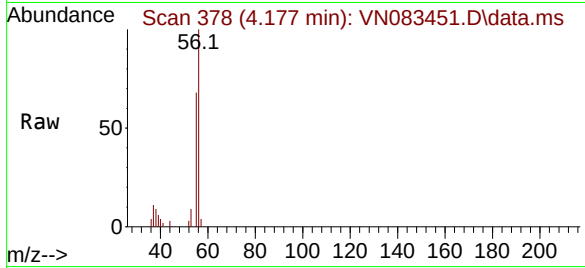
Tgt Ion:	56	Resp:	27564
Ion Ratio	Lower	Upper	
56	100		
55	71.2	56.4	84.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/26/2024

Supervised By :Semsettin Yesilyurt 08/26/2024



#14

Allyl chloride

Concen: 19.650 ug/l

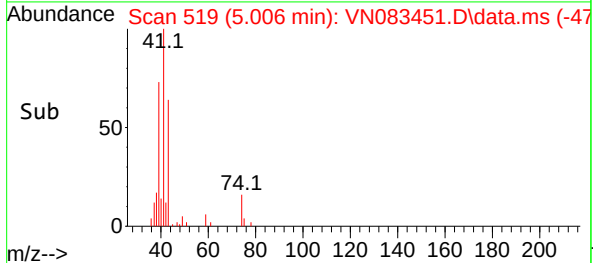
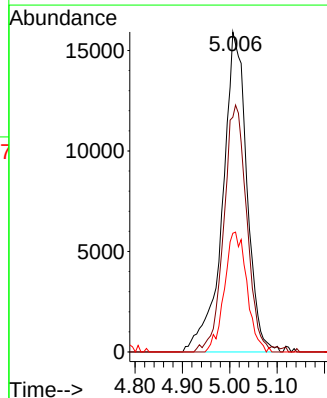
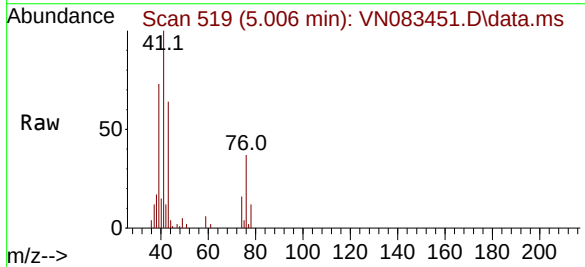
RT: 5.006 min Scan# 519

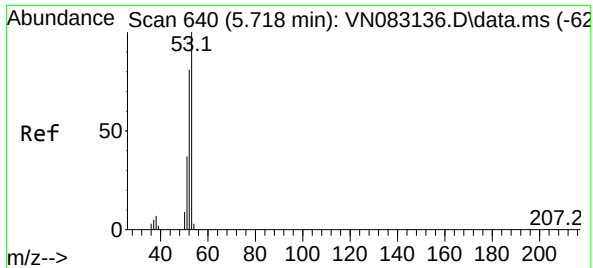
Delta R.T. -0.012 min

Lab File: VN083451.D

Acq: 23 Aug 2024 11:14

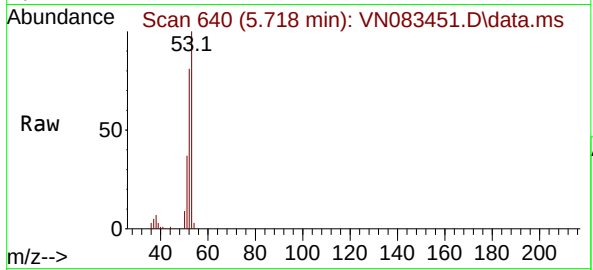
Tgt Ion:	41	Resp:	56672
Ion Ratio	Lower	Upper	
41	100		
39	73.4	67.8	101.6
76	34.6	25.8	38.8





#15
Acrylonitrile
Concen: 99.991 ug/l
RT: 5.718 min Scan# 640
Delta R.T. 0.000 min
Lab File: VN083451.D
Acq: 23 Aug 2024 11:14

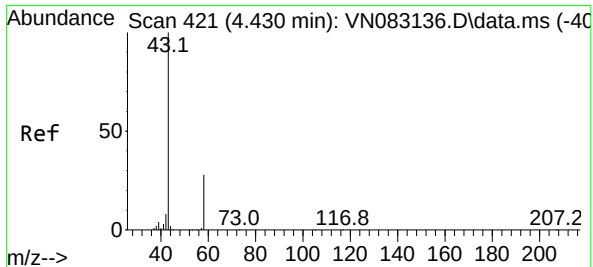
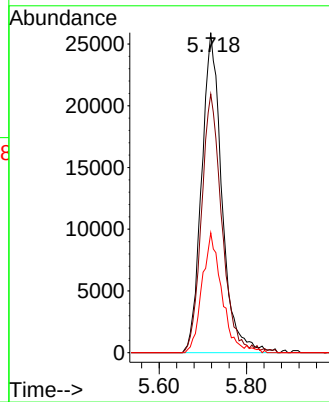
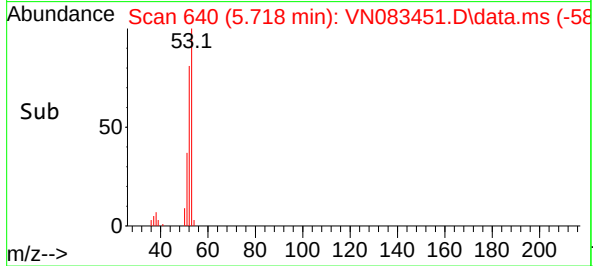
Instrument :
MSVOA_N
ClientSampleId :
VN0823WBS02



Tgt Ion: 53 Resp: 8375
Ion Ratio Lower Upper
53 100
52 80.2 66.6 100.0
51 35.8 30.1 45.1

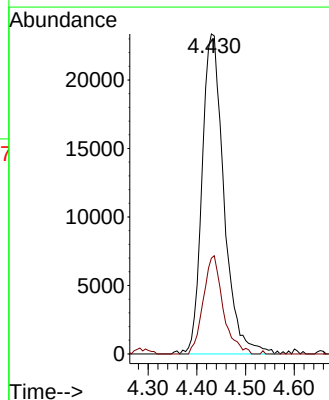
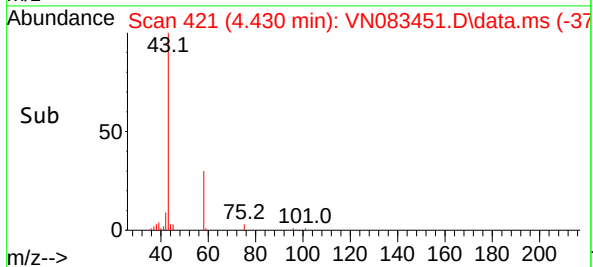
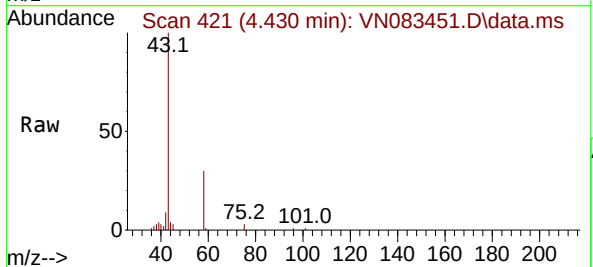
Manual Integrations
APPROVED

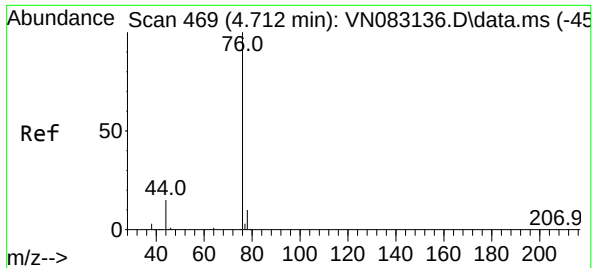
Reviewed By :John Carlone 08/26/2024
Supervised By :Semsettin Yesilyurt 08/26/2024



#16
Acetone
Concen: 94.982 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.000 min
Lab File: VN083451.D
Acq: 23 Aug 2024 11:14

Tgt Ion: 43 Resp: 72834
Ion Ratio Lower Upper
43 100
58 30.0 21.8 32.6





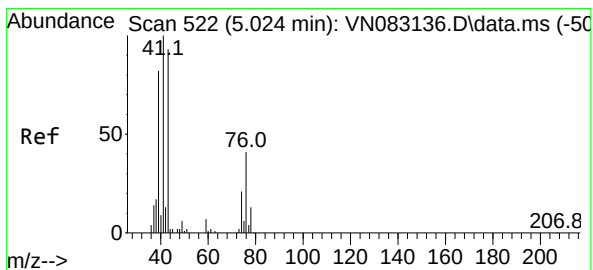
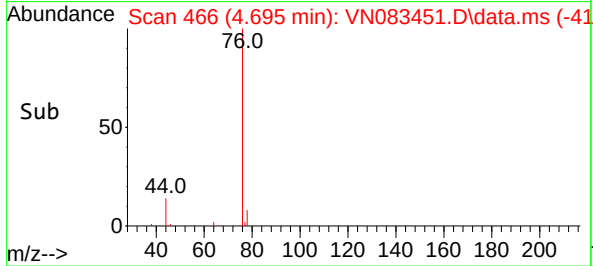
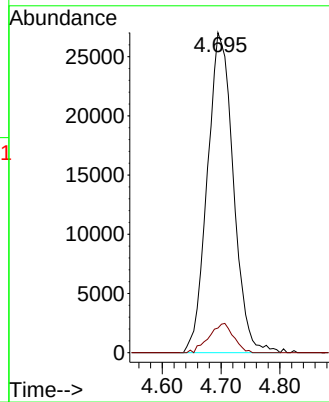
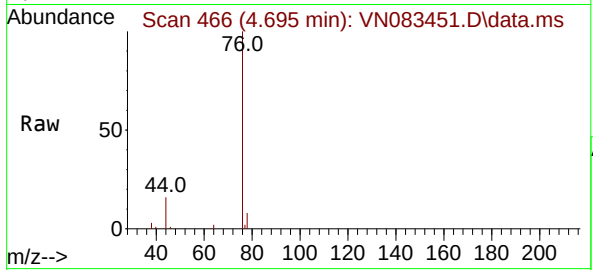
#17
Carbon Disulfide
Concen: 18.606 ug/l
RT: 4.695 min Scan# 466
Delta R.T. -0.018 min
Lab File: VN083451.D
Acq: 23 Aug 2024 11:14

Instrument :
MSVOA_N
ClientSampleId :
VN0823WBS02

Tgt Ion: 76 Resp: 8308
Ion Ratio Lower Upper
76 100
78 7.7 7.2 10.8

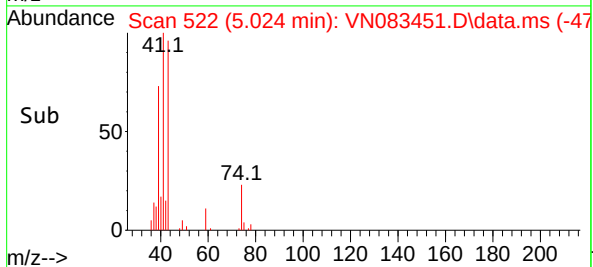
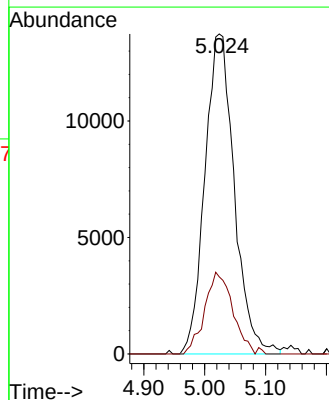
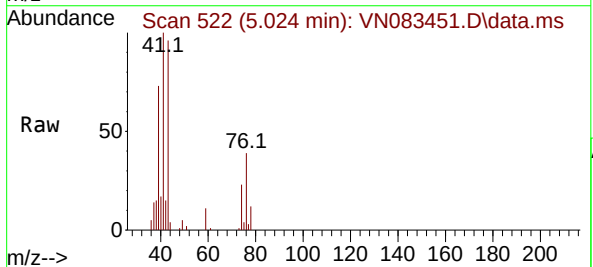
Manual Integrations
APPROVED

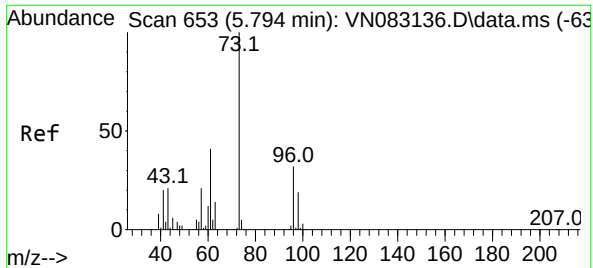
Reviewed By :John Carlone 08/26/2024
Supervised By :Semsettin Yesilyurt 08/26/2024



#18
Methyl Acetate
Concen: 20.172 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.000 min
Lab File: VN083451.D
Acq: 23 Aug 2024 11:14

Tgt Ion: 43 Resp: 46086
Ion Ratio Lower Upper
43 100
74 24.2 16.3 24.5





#19

Methyl tert-butyl Ether

Concen: 20.911 ug/l

RT: 5.795 min Scan# 653

Delta R.T. 0.000 min

Lab File: VN083451.D

Acq: 23 Aug 2024 11:14

Instrument :

MSVOA_N

ClientSampleId :

VN0823WBS02

Tgt Ion: 73 Resp: 11519

Ion Ratio Lower Upper

73 100

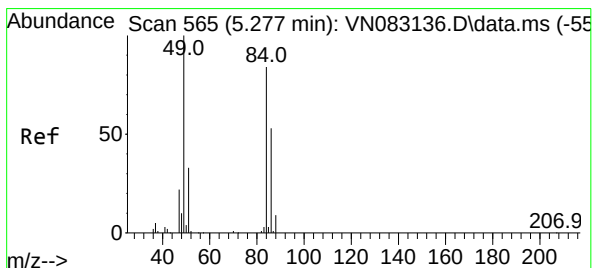
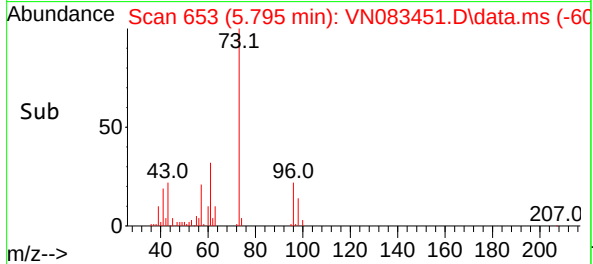
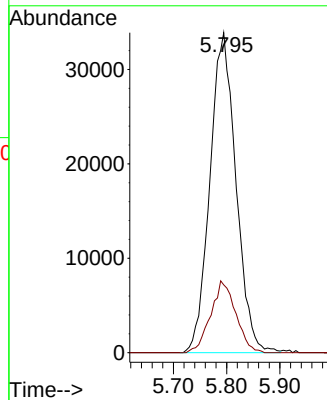
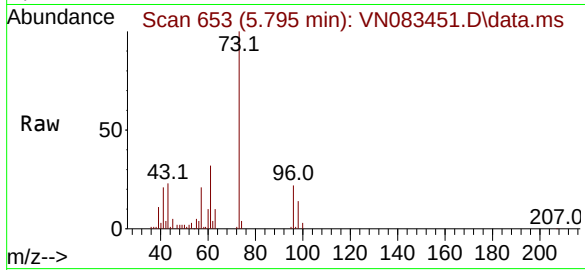
57 21.2 17.9 26.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/26/2024

Supervised By :Semsettin Yesilyurt 08/26/2024



#20

Methylene Chloride

Concen: 20.329 ug/l

RT: 5.265 min Scan# 563

Delta R.T. -0.012 min

Lab File: VN083451.D

Acq: 23 Aug 2024 11:14

Tgt Ion: 84 Resp: 35877

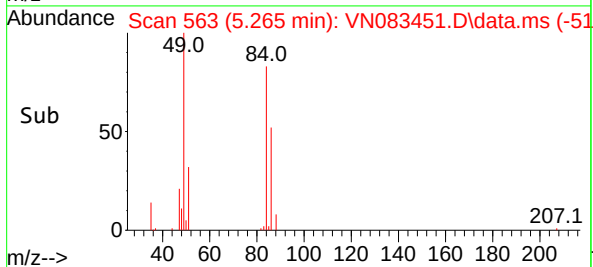
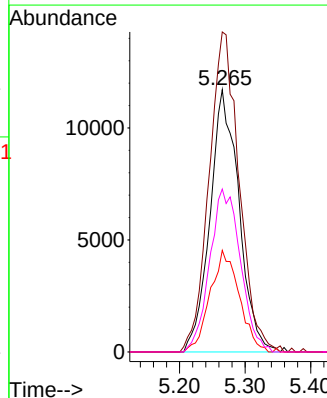
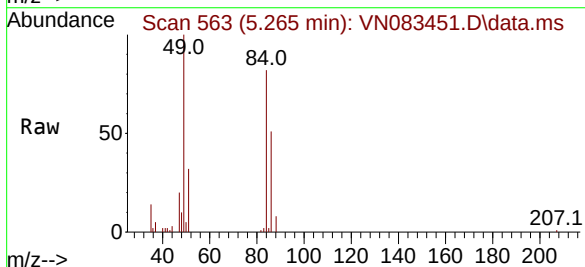
Ion Ratio Lower Upper

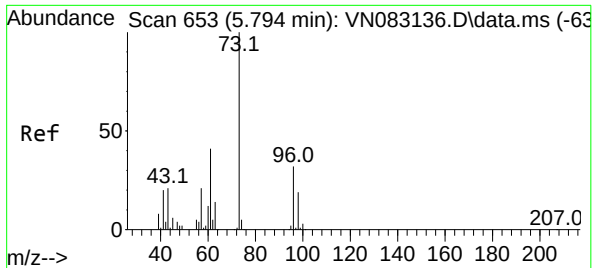
84 100

49 122.0 119.6 179.4

51 38.7 34.8 52.2

86 62.1 52.9 79.3





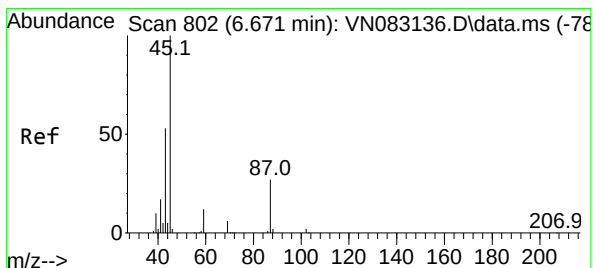
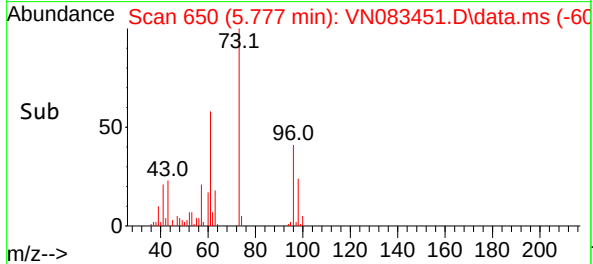
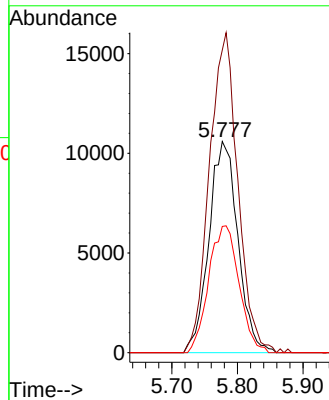
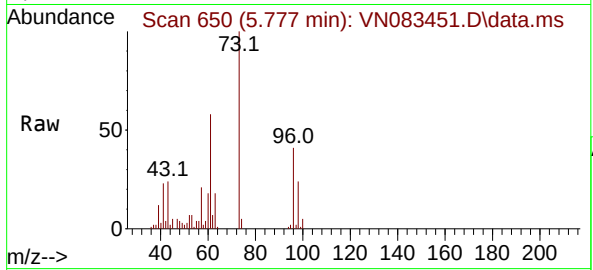
#21
trans-1,2-Dichloroethene
Concen: 20.580 ug/l
RT: 5.777 min Scan# 61
Delta R.T. -0.018 min
Lab File: VN083451.D
Acq: 23 Aug 2024 11:14

Instrument :
MSVOA_N
ClientSampleId :
VN0823WBS02

Tgt Ion: 96 Resp: 3246
Ion Ratio Lower Upper
96 100
61 143.2 123.4 185.2
98 59.7 49.3 73.9

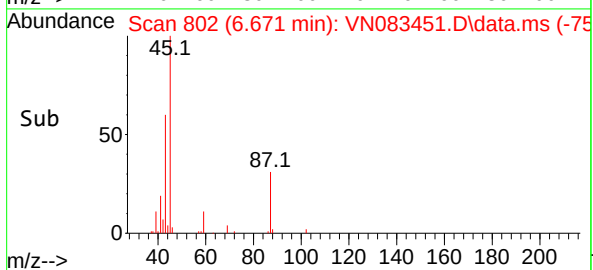
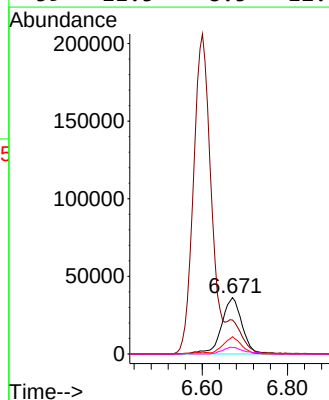
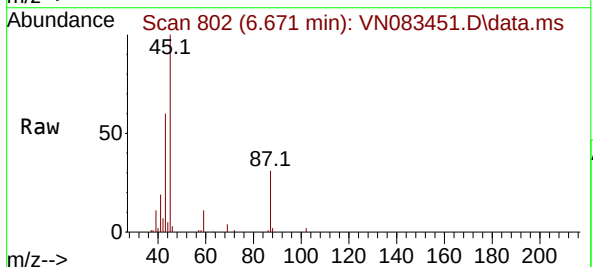
Manual Integrations
APPROVED

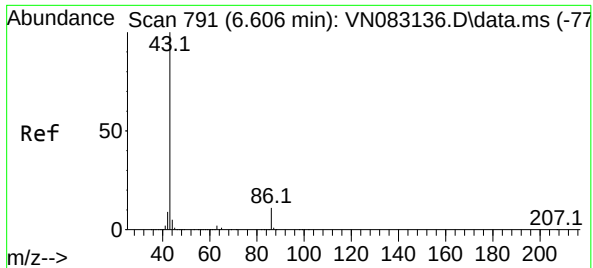
Reviewed By :John Carlone 08/26/2024
Supervised By :Semsettin Yesilyurt 08/26/2024



#22
Diisopropyl ether
Concen: 22.101 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.000 min
Lab File: VN083451.D
Acq: 23 Aug 2024 11:14

Tgt Ion: 45 Resp: 119815
Ion Ratio Lower Upper
45 100
43 58.3 44.0 66.0
87 30.7 19.7 29.5#
59 11.5 8.5 12.7





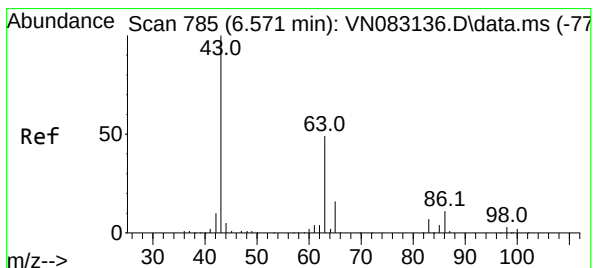
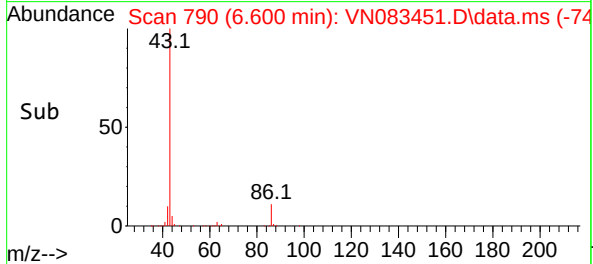
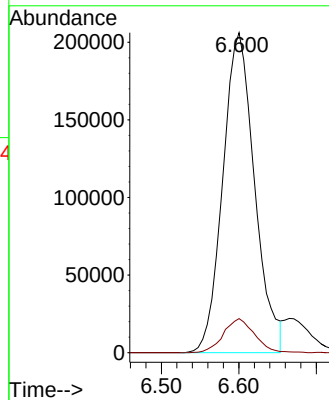
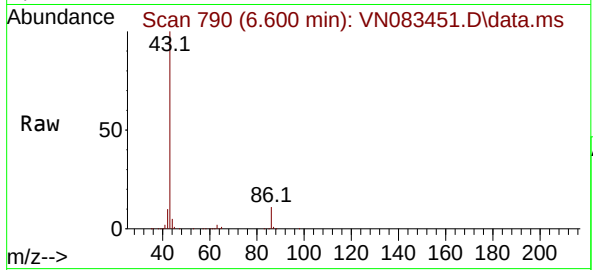
#23
Vinyl Acetate
Concen: 105.817 ug/l
RT: 6.600 min Scan# 791
Delta R.T. -0.006 min
Lab File: VN083451.D
Acq: 23 Aug 2024 11:14

Instrument :
MSVOA_N
ClientSampleId :
VN0823WBS02

Tgt Ion: 43 Resp: 58799
Ion Ratio Lower Upper
43 100
86 10.7 7.3 10.9

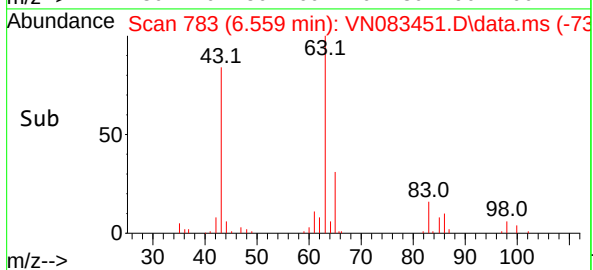
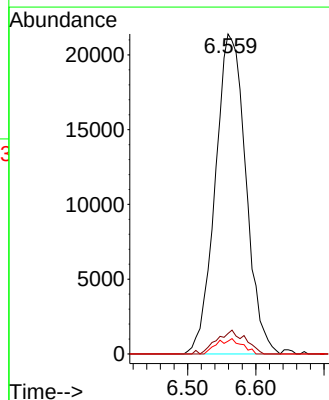
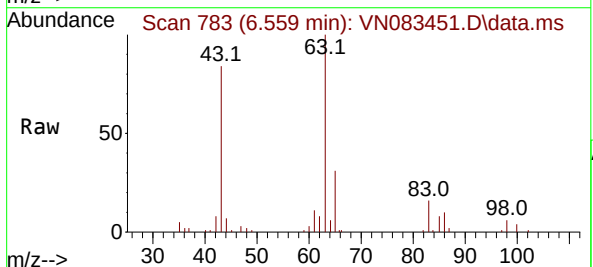
Manual Integrations
APPROVED

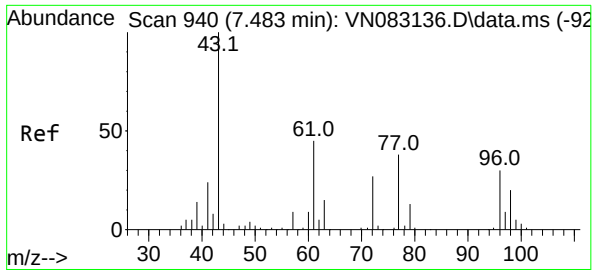
Reviewed By :John Carlone 08/26/2024
Supervised By :Semsettin Yesilyurt 08/26/2024



#24
1,1-Dichloroethane
Concen: 22.542 ug/l
RT: 6.559 min Scan# 783
Delta R.T. -0.012 min
Lab File: VN083451.D
Acq: 23 Aug 2024 11:14

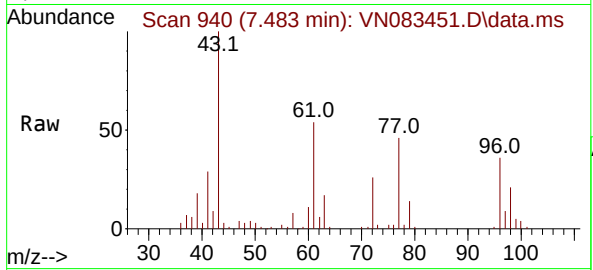
Tgt Ion: 63 Resp: 66610
Ion Ratio Lower Upper
63 100
98 6.4 3.3 9.9
100 4.0 2.0 6.0





#25
2-Butanone
Concen: 93.081 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN083451.D
Acq: 23 Aug 2024 11:14

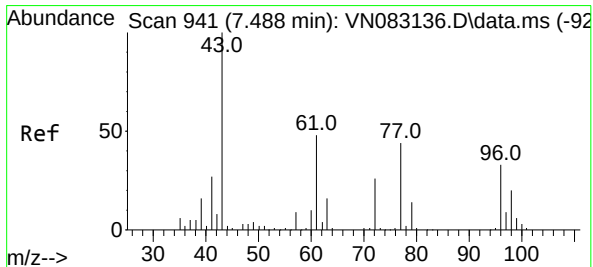
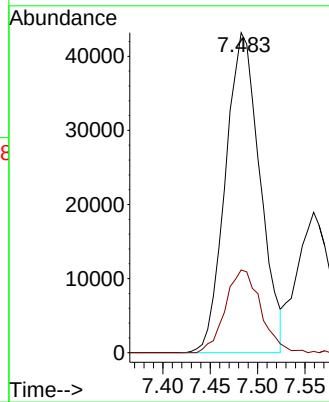
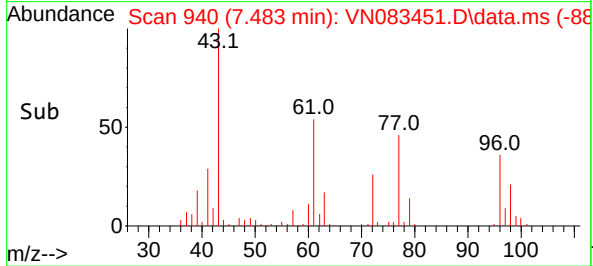
Instrument :
MSVOA_N
ClientSampleId :
VN0823WBS02



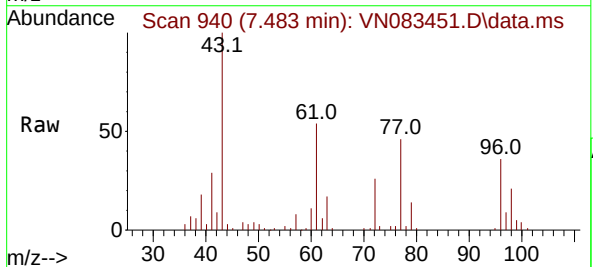
Tgt Ion: 43 Resp: 109590
Ion Ratio Lower Upper
43 100
72 25.9 18.2 27.2

Manual Integrations
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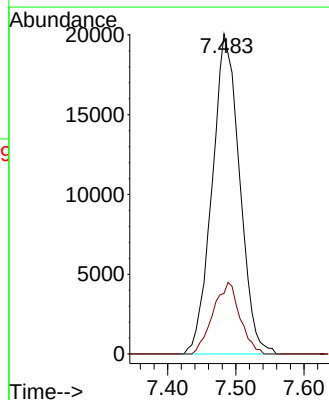
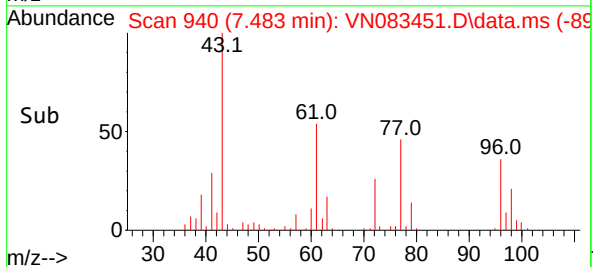
Reviewed By :John Carlone 08/26/2024
Supervised By :Semsettin Yesilyurt 08/26/2024

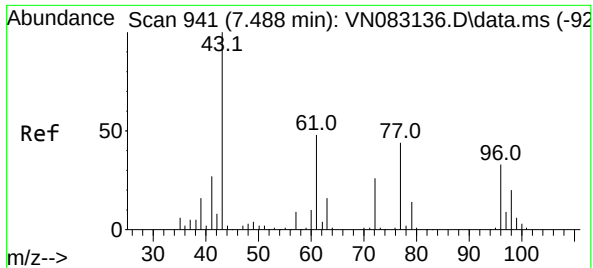


#26
2,2-Dichloropropane
Concen: 20.495 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.006 min
Lab File: VN083451.D
Acq: 23 Aug 2024 11:14



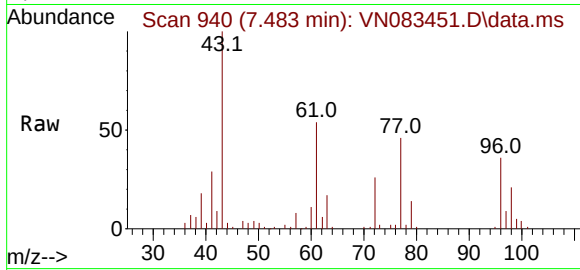
Tgt Ion: 77 Resp: 56242
Ion Ratio Lower Upper
77 100
97 21.9 10.3 30.9





#27
cis-1,2-Dichloroethene
Concen: 21.229 ug/l
RT: 7.483 min Scan# 941
Delta R.T. -0.006 min
Lab File: VN083451.D
Acq: 23 Aug 2024 11:14

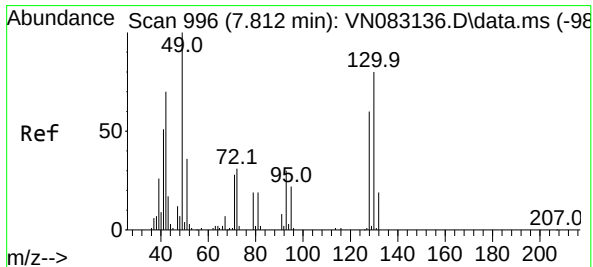
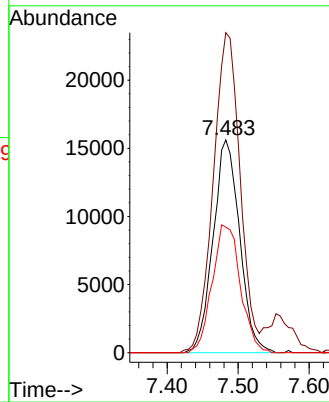
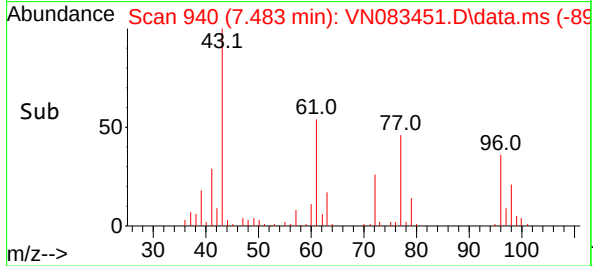
Instrument :
MSVOA_N
ClientSampleId :
VN0823WBS02



Tgt Ion: 96 Resp: 40408
Ion Ratio Lower Upper
96 100
61 152.5 0.0 329.6
98 63.9 0.0 128.6

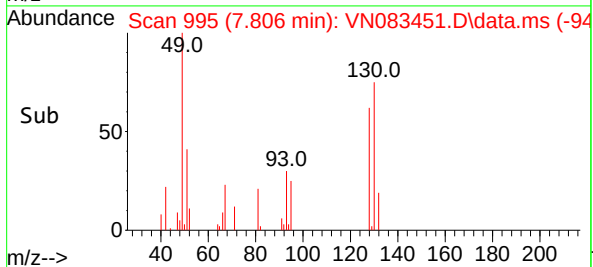
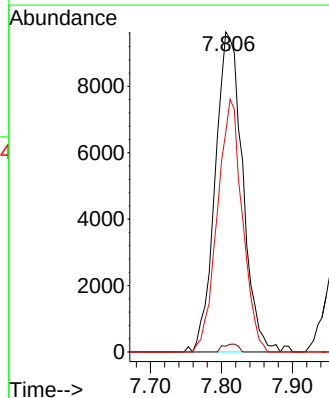
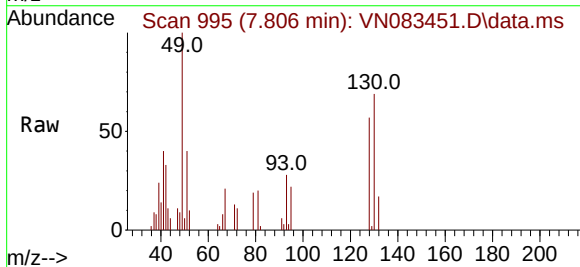
Manual Integrations
APPROVED

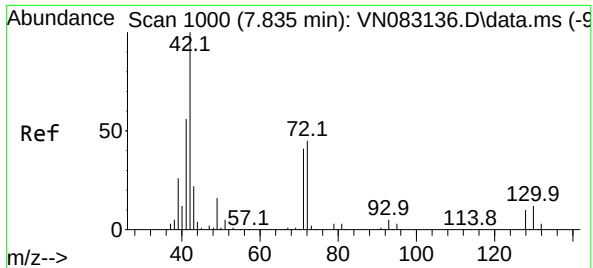
Reviewed By :John Carlone 08/26/2024
Supervised By :Semsettin Yesilyurt 08/26/2024



#28
Bromochloromethane
Concen: 21.365 ug/l
RT: 7.806 min Scan# 995
Delta R.T. -0.006 min
Lab File: VN083451.D
Acq: 23 Aug 2024 11:14

Tgt Ion: 49 Resp: 25801
Ion Ratio Lower Upper
49 100
129 1.4 0.0 3.8
130 72.1 50.5 75.7





#29

Tetrahydrofuran

Concen: 95.430 ug/l

RT: 7.841 min Scan# 1000

Delta R.T. 0.006 min

Lab File: VN083451.D

Acq: 23 Aug 2024 11:14

Instrument :

MSVOA_N

ClientSampleId :

VN0823WBS02

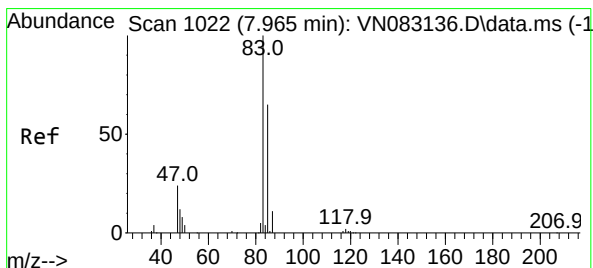
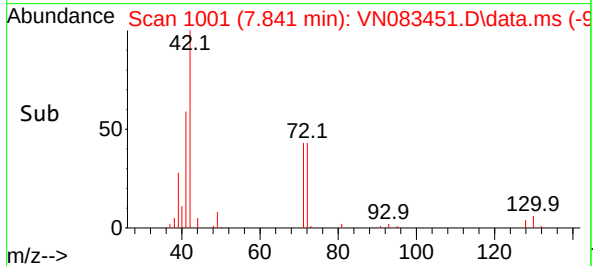
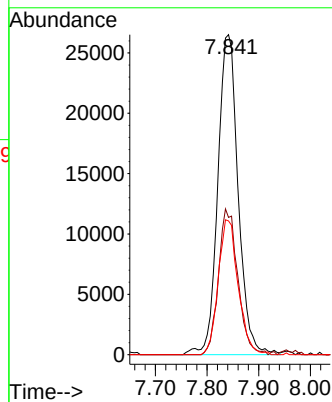
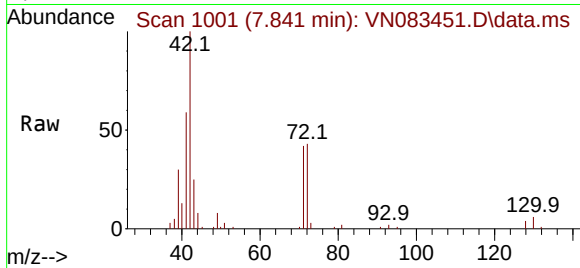
Tgt Ion:	42	Resp:	72634
Ion	Ratio	Lower	Upper
42	100		
72	43.1	30.0	45.0
71	41.2	28.3	42.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/26/2024

Supervised By :Semsettin Yesilyurt 08/26/2024



#30

Chloroform

Concen: 22.686 ug/l

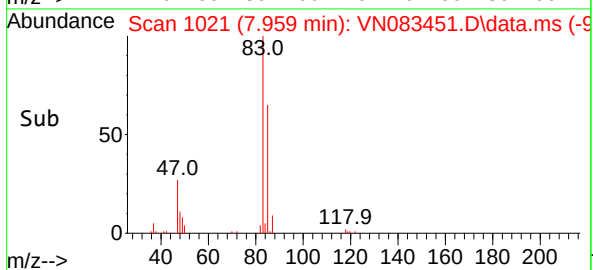
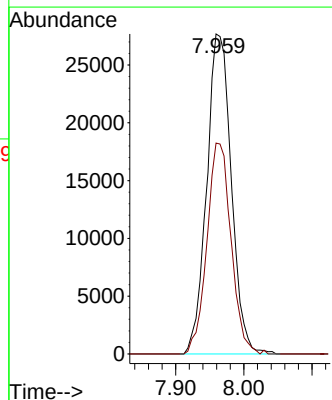
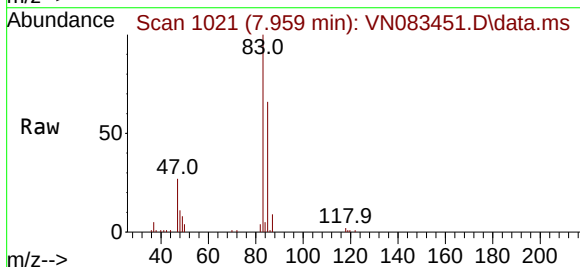
RT: 7.959 min Scan# 1021

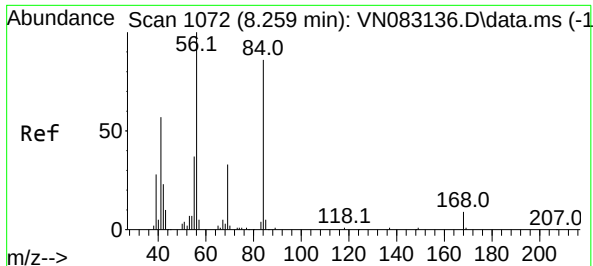
Delta R.T. -0.006 min

Lab File: VN083451.D

Acq: 23 Aug 2024 11:14

Tgt Ion:	83	Resp:	69647
Ion	Ratio	Lower	Upper
83	100		
85	65.9	50.9	76.3





#31

Cyclohexane

Concen: 19.818 ug/l

RT: 8.259 min Scan# 1072

Delta R.T. 0.000 min

Lab File: VN083451.D

Acq: 23 Aug 2024 11:14

Instrument :

MSVOA_N

ClientSampleId :

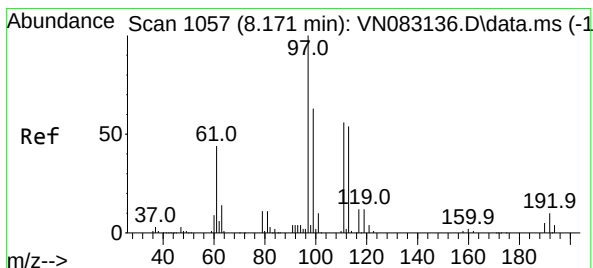
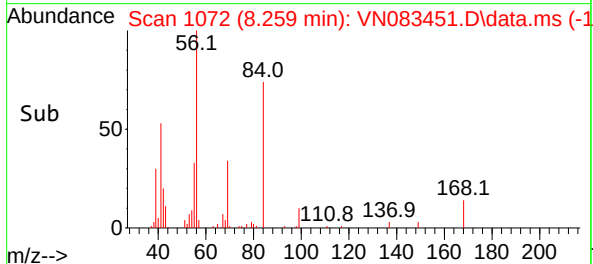
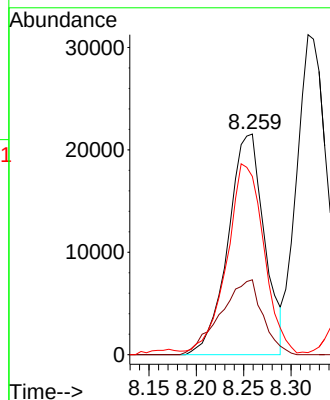
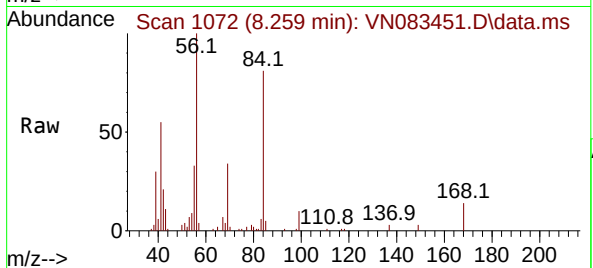
VN0823WBS02

Tgt Ion:	56	Resp:	5755
Ion Ratio	Lower	Upper	
56	100		
69	34.0	24.5	36.7
84	79.2	66.0	99.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/26/2024

Supervised By :Semsettin Yesilyurt 08/26/2024



#32

1,1,1-Trichloroethane

Concen: 22.293 ug/l

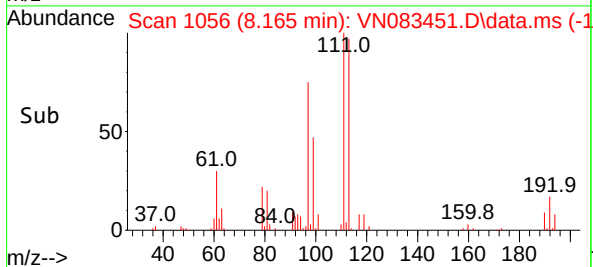
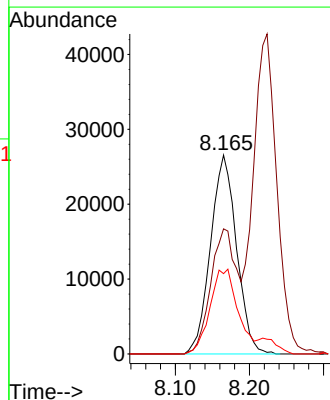
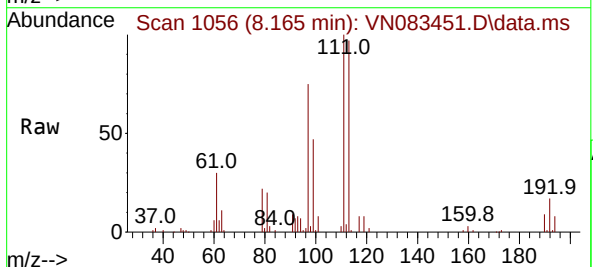
RT: 8.165 min Scan# 1056

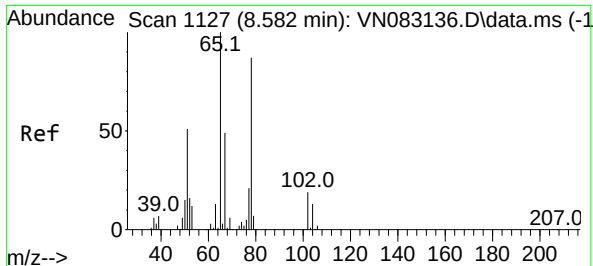
Delta R.T. -0.006 min

Lab File: VN083451.D

Acq: 23 Aug 2024 11:14

Tgt Ion:	97	Resp:	64780
Ion Ratio	Lower	Upper	
97	100		
99	62.8	52.0	78.0
61	46.9	42.1	63.1





#33

1,2-Dichloroethane-d4

Concen: 57.820 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.005 min

Lab File: VN083451.D

Acq: 23 Aug 2024 11:14

Instrument :

MSVOA_N

ClientSampleId :

VN0823WBS02

Tgt Ion: 65 Resp: 113309

Ion Ratio Lower Upper

65 100

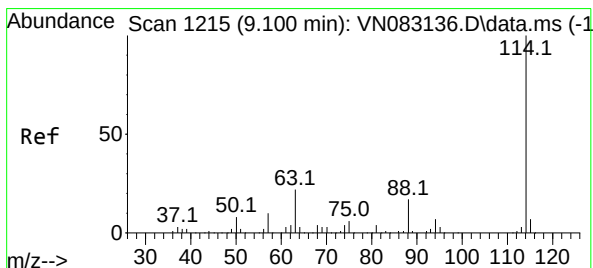
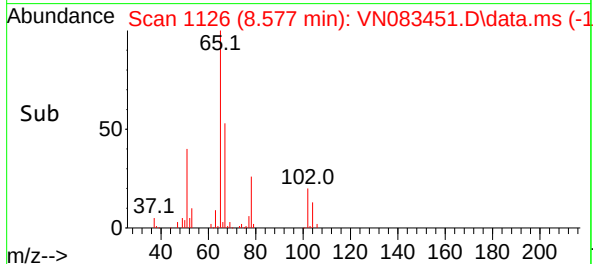
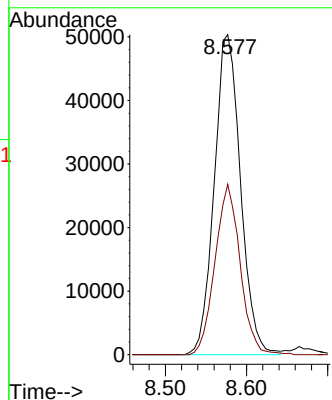
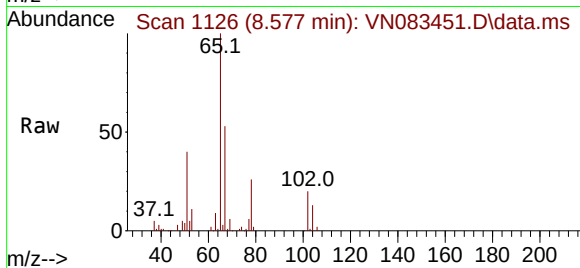
67 50.9 0.0 104.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/26/2024

Supervised By :Semsettin Yesilyurt 08/26/2024



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN083451.D

Acq: 23 Aug 2024 11:14

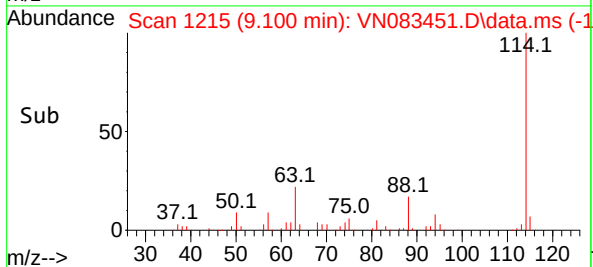
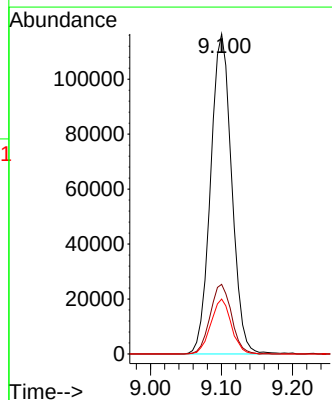
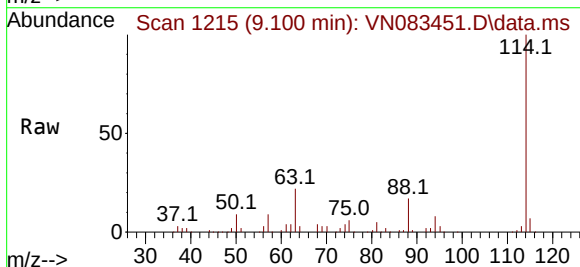
Tgt Ion:114 Resp: 239743

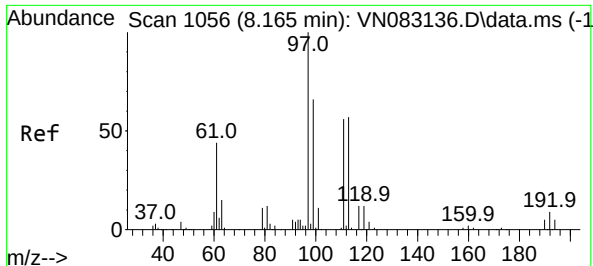
Ion Ratio Lower Upper

114 100

63 21.7 0.0 44.6

88 17.1 0.0 31.4





#35

Dibromofluoromethane

Concen: 55.248 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN083451.D

Acq: 23 Aug 2024 11:14

Instrument :

MSVOA_N

ClientSampleId :

VN0823WBS02

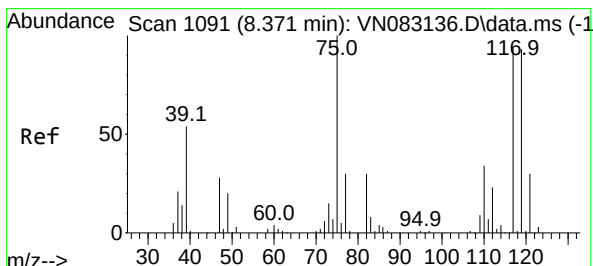
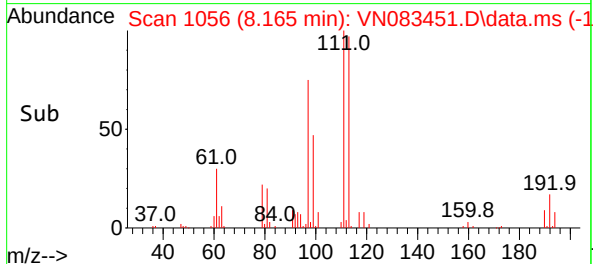
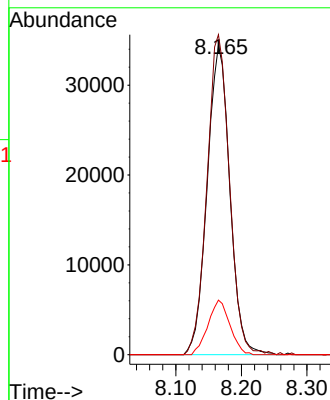
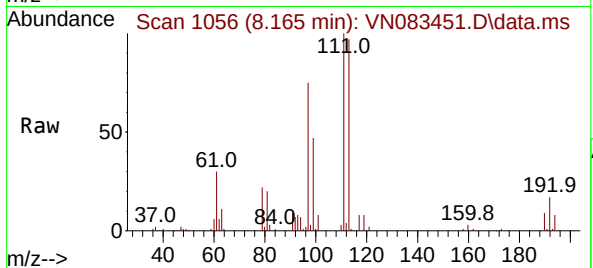
Tgt Ion:	113	Resp:	82674
Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.4	123.6
192	17.0	14.9	22.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/26/2024

Supervised By :Semsettin Yesilyurt 08/26/2024



#36

1,1-Dichloropropene

Concen: 20.144 ug/l

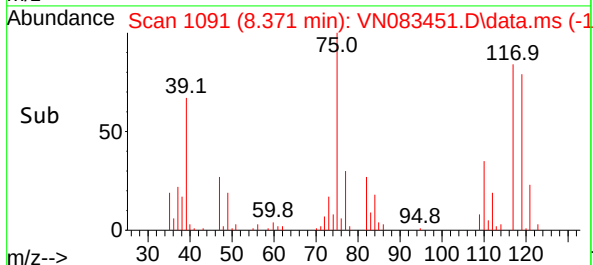
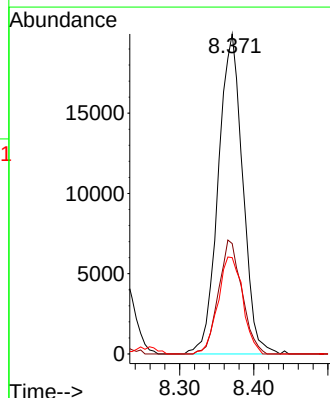
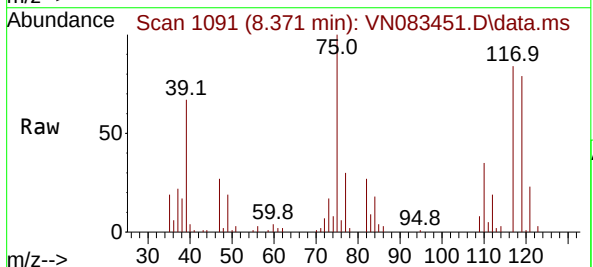
RT: 8.371 min Scan# 1091

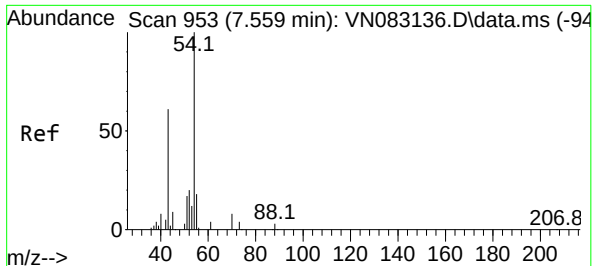
Delta R.T. 0.000 min

Lab File: VN083451.D

Acq: 23 Aug 2024 11:14

Tgt Ion:	75	Resp:	45600
Ion	Ratio	Lower	Upper
75	100		
110	34.2	16.3	48.9
77	30.8	24.6	37.0





#37

Ethyl Acetate

Concen: 18.012 ug/l

RT: 7.559 min Scan# 91

Delta R.T. 0.000 min

Lab File: VN083451.D

Acq: 23 Aug 2024 11:14

Instrument :

MSVOA_N

ClientSampleId :

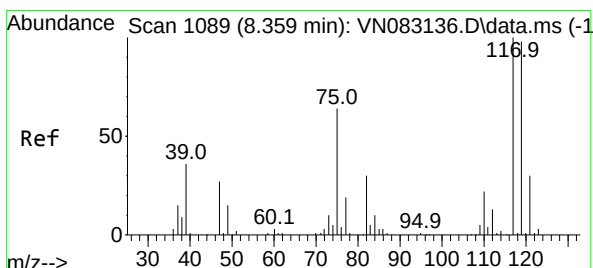
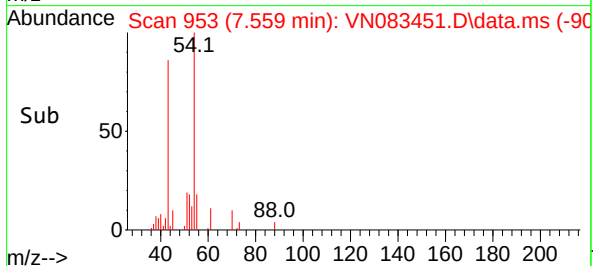
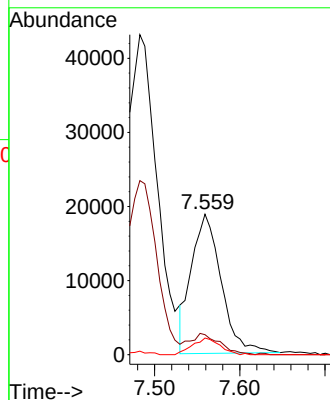
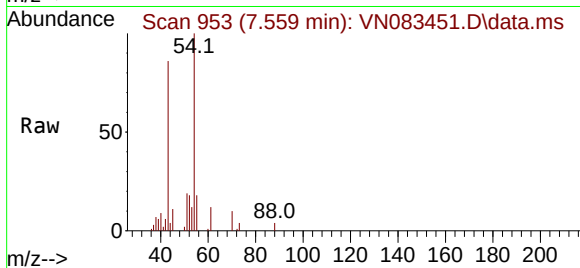
VN0823WBS02

Tgt Ion:	43	Resp:	4565
Ion	Ratio	Lower	Upper
43	100		
61	14.0	9.3	13.9
70	11.0	7.0	10.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/26/2024

Supervised By :Semsettin Yesilyurt 08/26/2024



#38

Carbon Tetrachloride

Concen: 21.387 ug/l

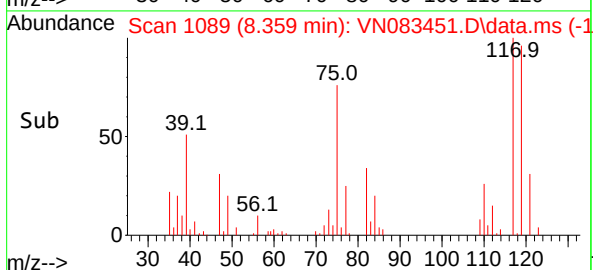
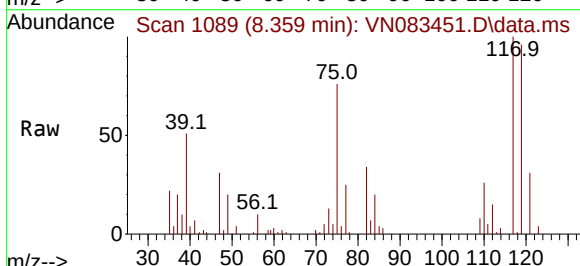
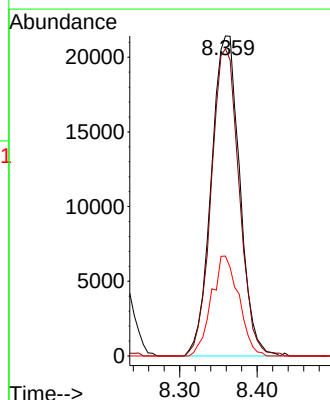
RT: 8.359 min Scan# 1089

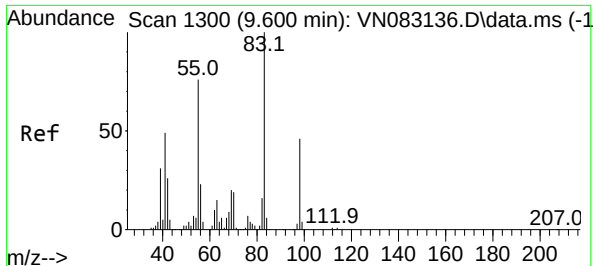
Delta R.T. 0.000 min

Lab File: VN083451.D

Acq: 23 Aug 2024 11:14

Tgt Ion:	117	Resp:	54529
Ion	Ratio	Lower	Upper
117	100		
119	96.0	74.9	112.3
121	31.2	24.3	36.5





#39

Methylcyclohexane

Concen: 19.147 ug/l

RT: 9.600 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VN083451.D

Acq: 23 Aug 2024 11:14

Instrument :

MSVOA_N

ClientSampleId :

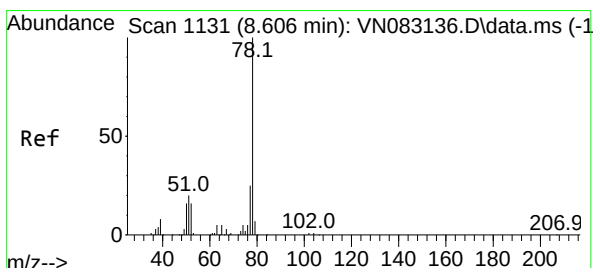
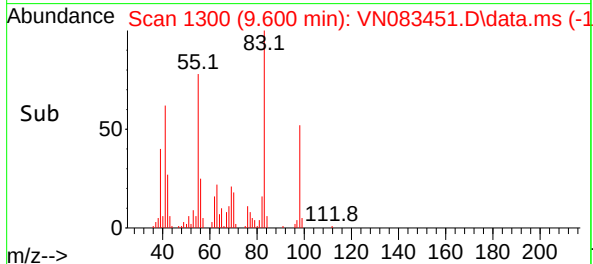
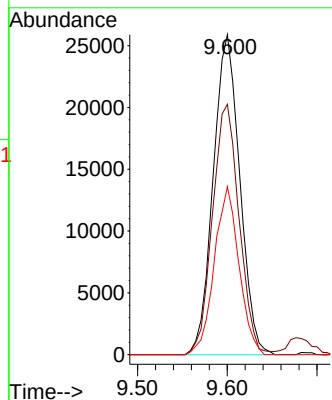
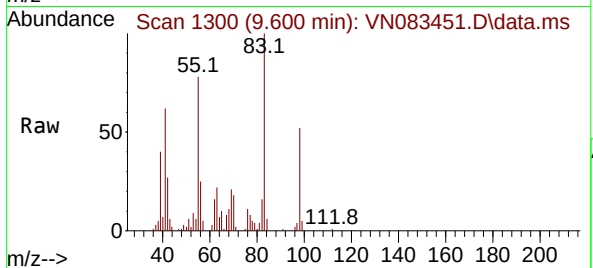
VN0823WBS02

Tgt Ion:	83	Resp:	5323
Ion Ratio	Lower	Upper	
83	100		
55	78.3	66.4	99.6
98	52.5	40.7	61.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/26/2024

Supervised By :Semsettin Yesilyurt 08/26/2024



#40

Benzene

Concen: 21.983 ug/l

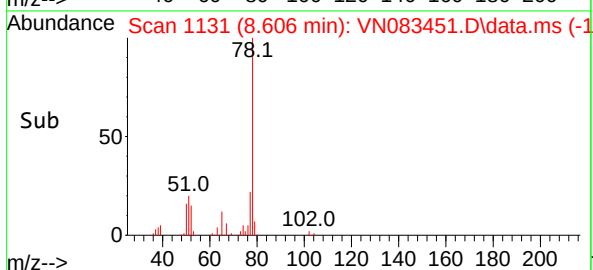
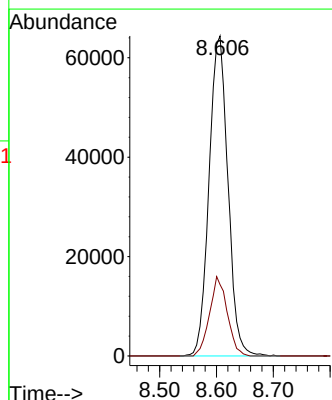
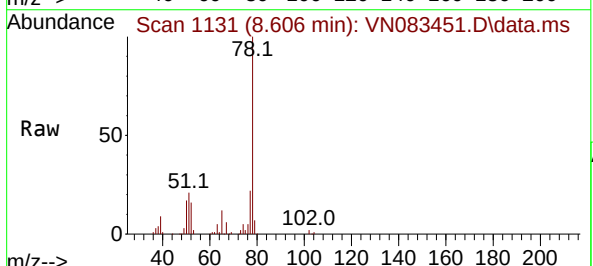
RT: 8.606 min Scan# 1131

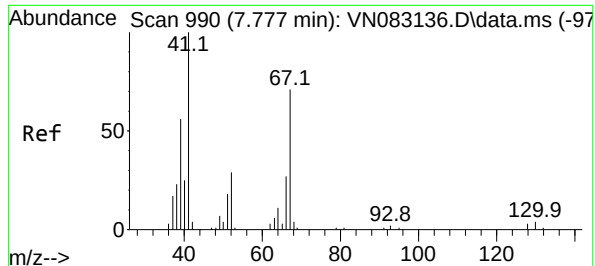
Delta R.T. 0.000 min

Lab File: VN083451.D

Acq: 23 Aug 2024 11:14

Tgt Ion:	78	Resp:	148246
Ion Ratio	Lower	Upper	
78	100		
77	22.3	19.0	28.4





#41

Methacrylonitrile

Concen: 18.799 ug/l

RT: 7.777 min Scan# 990

Delta R.T. 0.000 min

Lab File: VN083451.D

Acq: 23 Aug 2024 11:14

Instrument :

MSVOA_N

ClientSampleId :

VN0823WBS02

Tgt Ion: 41 Resp: 2709

Ion Ratio Lower Upper

41 100

39 54.7 45.5 68.3

67 69.5 50.5 75.7

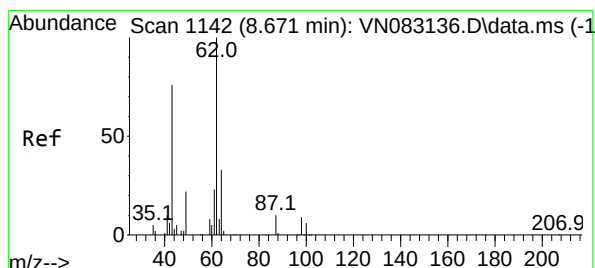
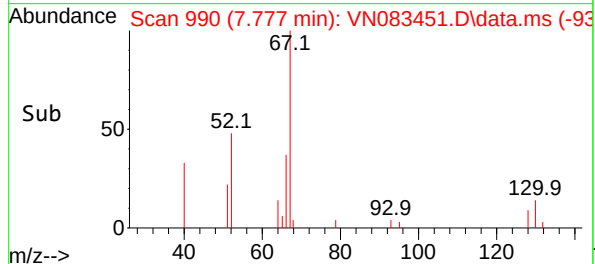
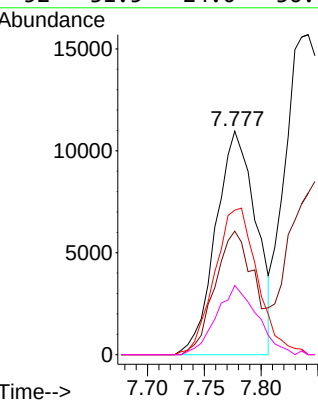
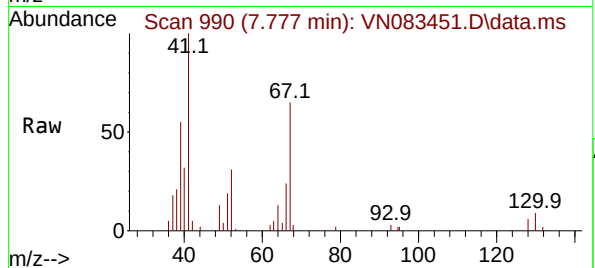
52 31.5 24.0 36.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/26/2024

Supervised By :Semsettin Yesilyurt 08/26/2024



#42

1,2-Dichloroethane

Concen: 23.337 ug/l

RT: 8.671 min Scan# 1142

Delta R.T. 0.000 min

Lab File: VN083451.D

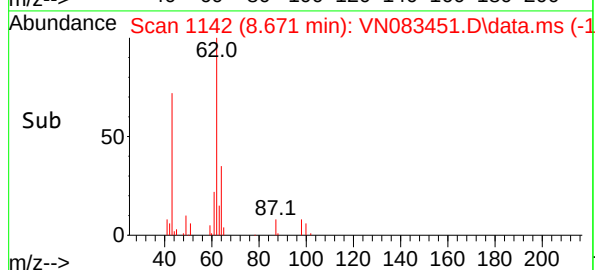
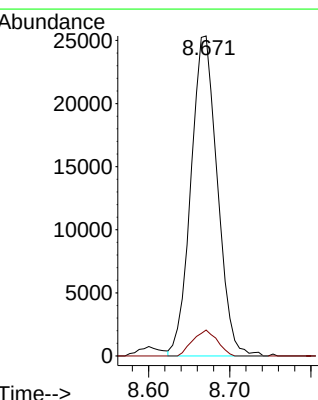
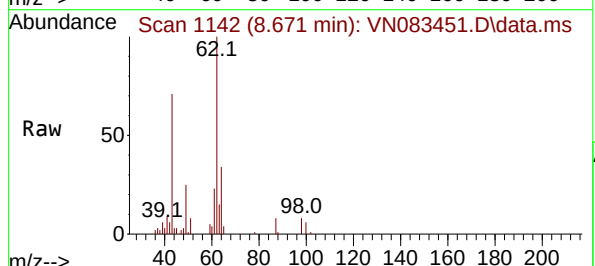
Acq: 23 Aug 2024 11:14

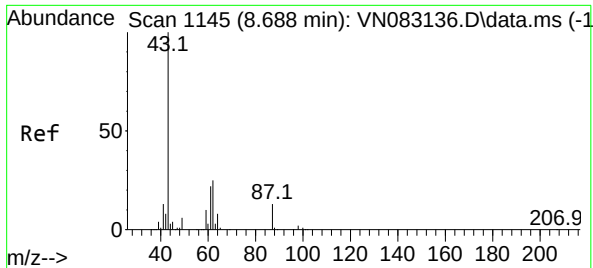
Tgt Ion: 62 Resp: 57328

Ion Ratio Lower Upper

62 100

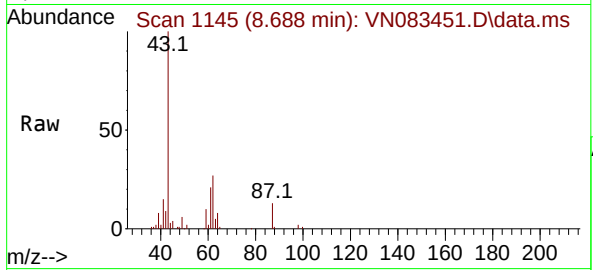
98 7.5 0.0 15.8





#43
Isopropyl Acetate
Concen: 16.944 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN083451.D
Acq: 23 Aug 2024 11:14

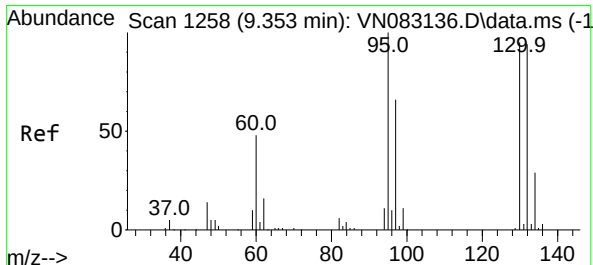
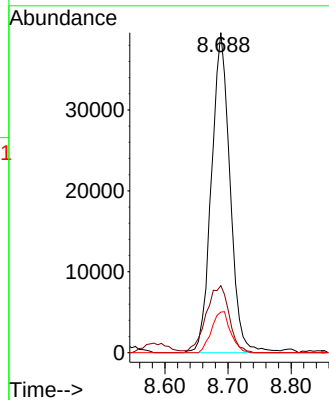
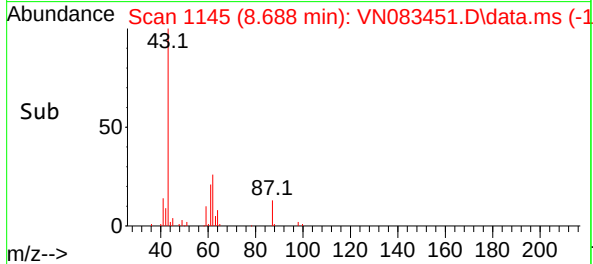
Instrument :
MSVOA_N
ClientSampleId :
VN0823WBS02



Tgt Ion: 43 Resp: 8086
Ion Ratio Lower Upper
43 100
61 26.1 17.8 26.6
87 13.0 8.2 12.2

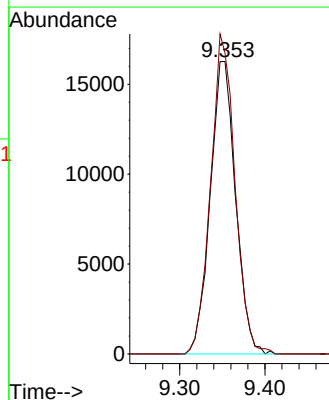
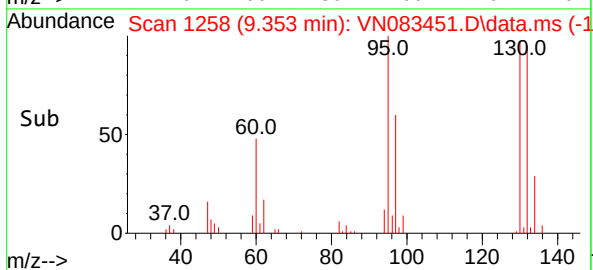
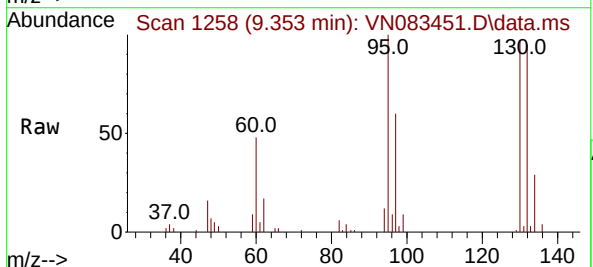
Manual Integrations
APPROVED

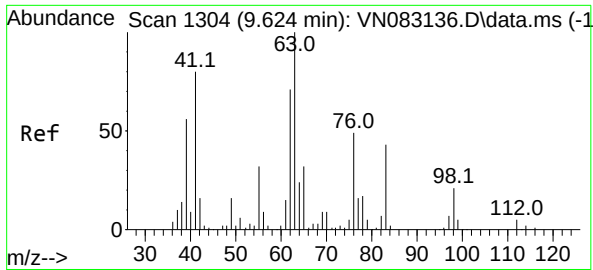
Reviewed By :John Carlone 08/26/2024
Supervised By :Semsettin Yesilyurt 08/26/2024



#44
Trichloroethene
Concen: 20.934 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. 0.000 min
Lab File: VN083451.D
Acq: 23 Aug 2024 11:14

Tgt Ion:130 Resp: 33601
Ion Ratio Lower Upper
130 100
95 102.9 0.0 197.8





#45

1,2-Dichloropropane

Concen: 22.292 ug/l

RT: 9.618 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN083451.D

Acq: 23 Aug 2024 11:14

Instrument :

MSVOA_N

ClientSampleId :

VN0823WBS02

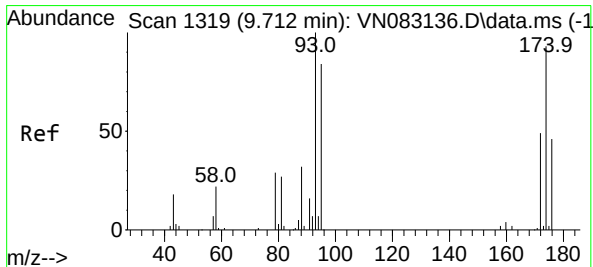
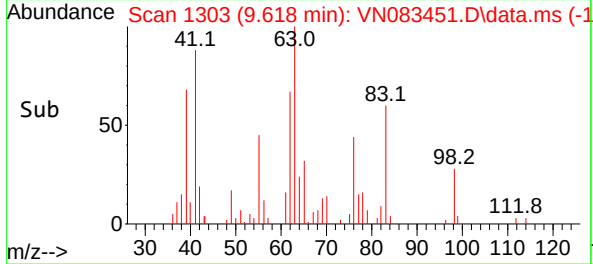
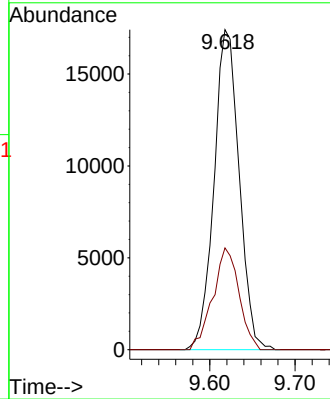
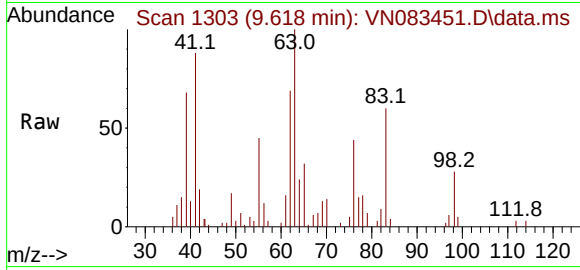
Tgt Ion: 63 Resp: 35684

Ion	Ratio	Lower	Upper
63	100		
65	31.8	24.4	36.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/26/2024

Supervised By :Semsettin Yesilyurt 08/26/2024



#46

Dibromomethane

Concen: 22.133 ug/l

RT: 9.706 min Scan# 1318

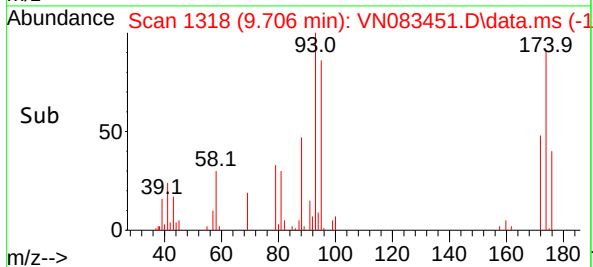
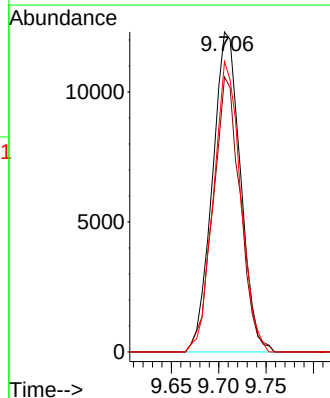
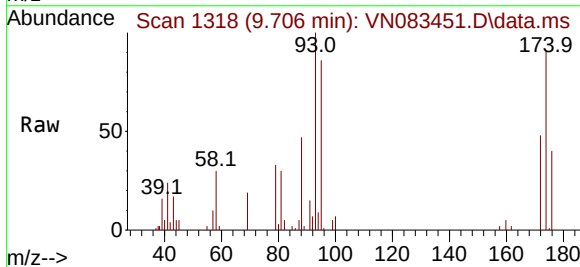
Delta R.T. -0.006 min

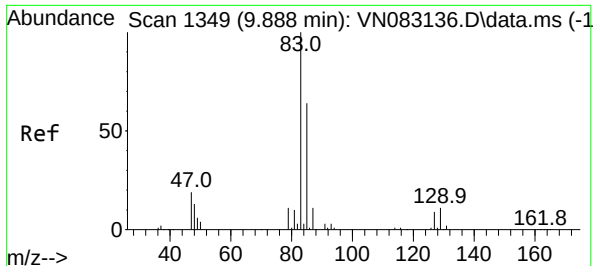
Lab File: VN083451.D

Acq: 23 Aug 2024 11:14

Tgt Ion: 93 Resp: 25359

Ion	Ratio	Lower	Upper
93	100		
95	83.1	65.8	98.6
174	87.7	71.7	107.5





#47

Bromodichloromethane

Concen: 21.067 ug/l

RT: 9.888 min Scan# 1349

Delta R.T. 0.000 min

Lab File: VN083451.D

Acq: 23 Aug 2024 11:14

Instrument :

MSVOA_N

ClientSampleId :

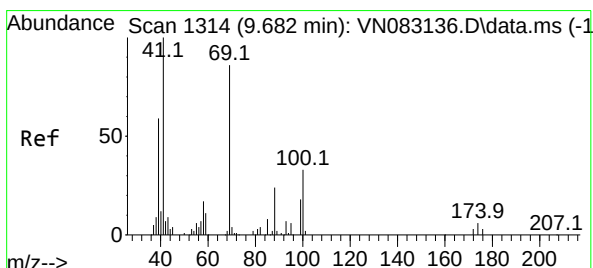
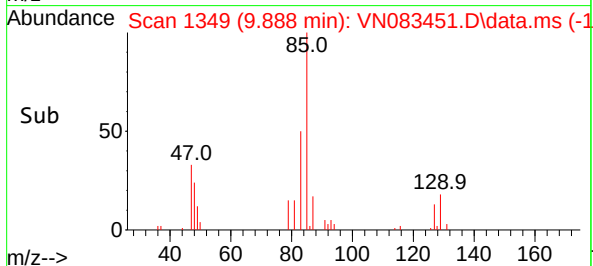
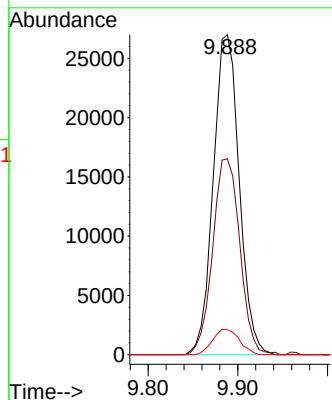
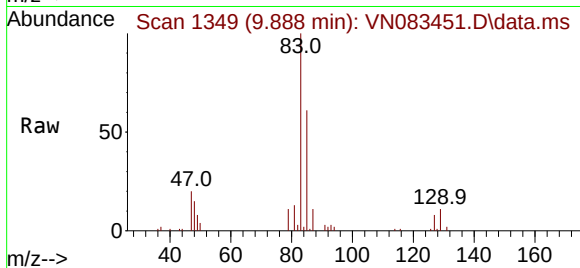
VN0823WBS02

Tgt Ion:	83	Resp:	54198
Ion	Ratio	Lower	Upper
83	100		
85	61.2	51.1	76.7
127	7.9	7.2	10.8

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/26/2024

Supervised By :Semsettin Yesilyurt 08/26/2024



#48

Methyl methacrylate

Concen: 18.913 ug/l

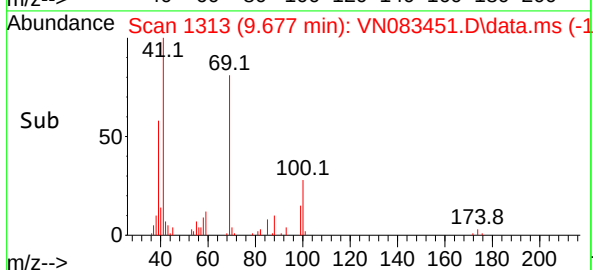
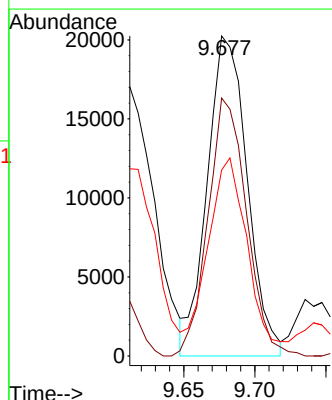
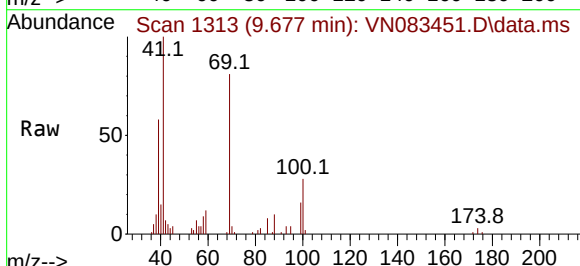
RT: 9.677 min Scan# 1313

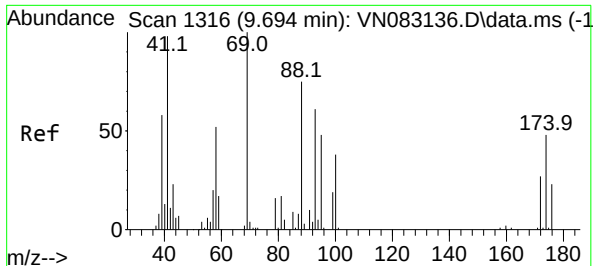
Delta R.T. -0.006 min

Lab File: VN083451.D

Acq: 23 Aug 2024 11:14

Tgt Ion:	41	Resp:	39631
Ion	Ratio	Lower	Upper
41	100		
69	77.8	56.3	84.5
39	62.6	50.3	75.5





#49

1,4-Dioxane

Concen: 353.483 ug/l

RT: 9.700 min Scan# 1316

Delta R.T. 0.006 min

Lab File: VN083451.D

Acq: 23 Aug 2024 11:14

Instrument :

MSVOA_N

ClientSampleId :

VN0823WBS02

Tgt Ion: 88 Resp: 1336

Ion Ratio Lower Upper

88 100

43 0.0 27.8 41.8

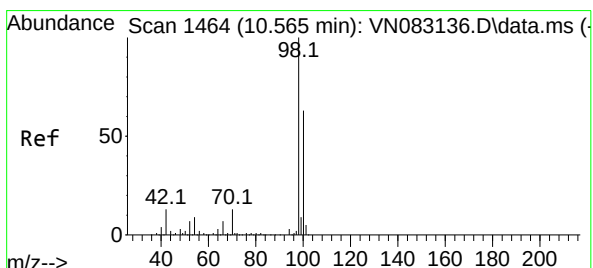
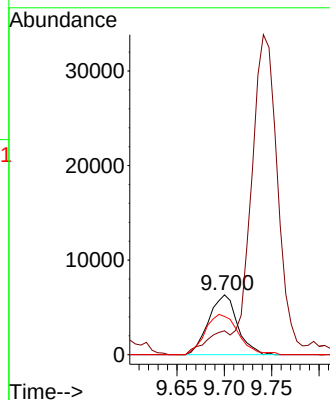
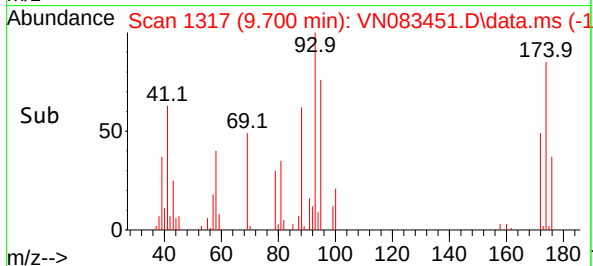
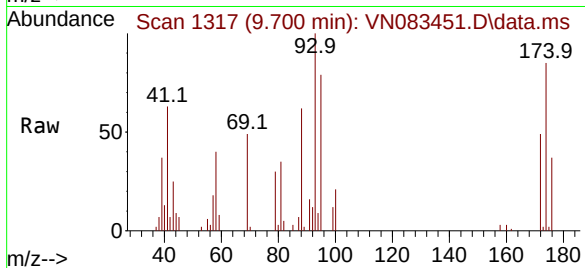
58 77.4 59.4 89.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/26/2024

Supervised By :Semsettin Yesilyurt 08/26/2024



#50

Toluene-d8

Concen: 51.948 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN083451.D

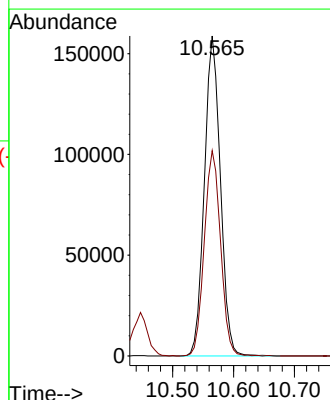
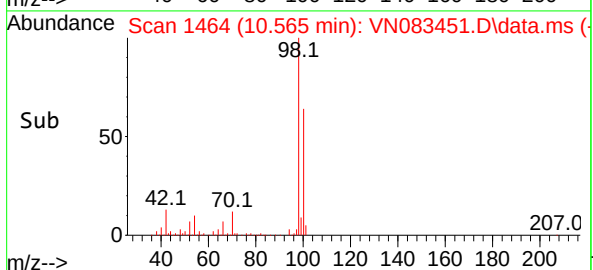
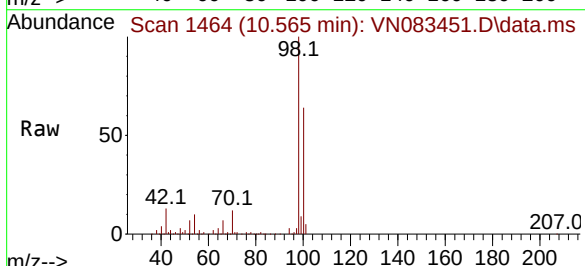
Acq: 23 Aug 2024 11:14

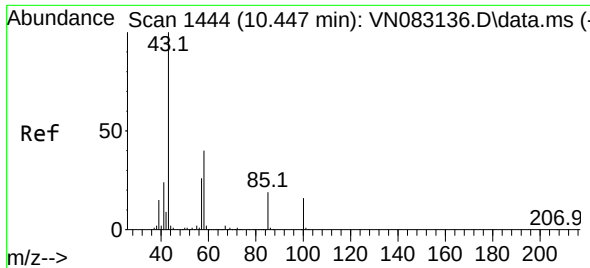
Tgt Ion: 98 Resp: 289976

Ion Ratio Lower Upper

98 100

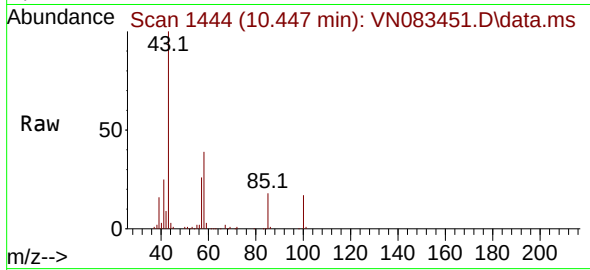
100 65.2 51.5 77.3





#51
4-Methyl-2-Pentanone
Concen: 95.919 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN083451.D
Acq: 23 Aug 2024 11:14

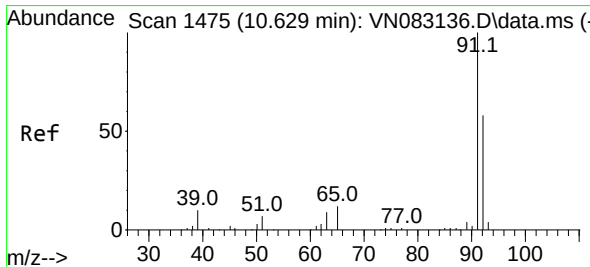
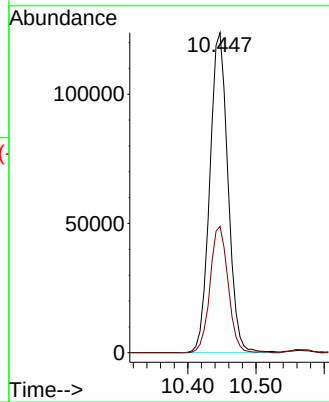
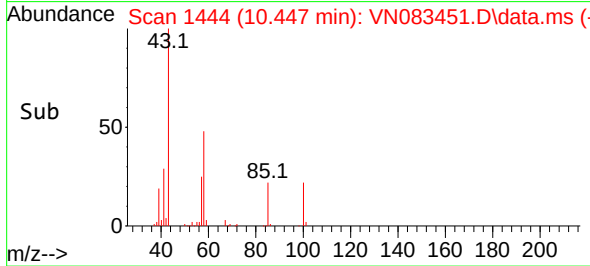
Instrument :
MSVOA_N
ClientSampleId :
VN0823WBS02



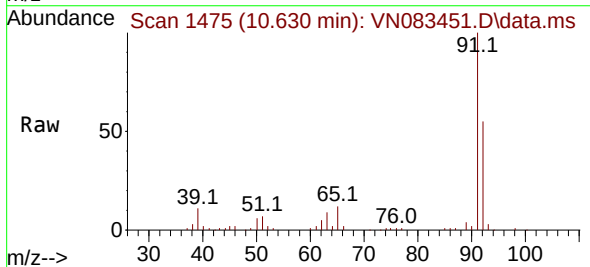
Tgt Ion: 43 Resp: 229890
Ion Ratio Lower Upper
43 100
58 39.1 28.2 42.4

Manual Integrations
APPROVED

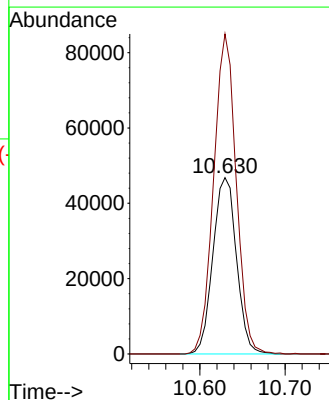
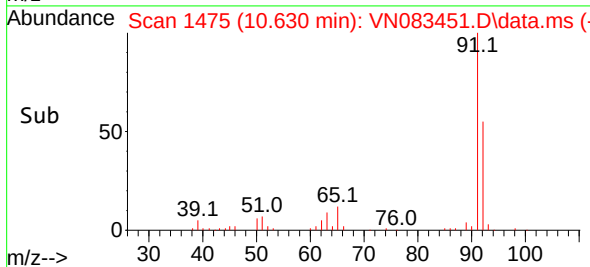
Reviewed By :John Carlone 08/26/2024
Supervised By :Semsettin Yesilyurt 08/26/2024

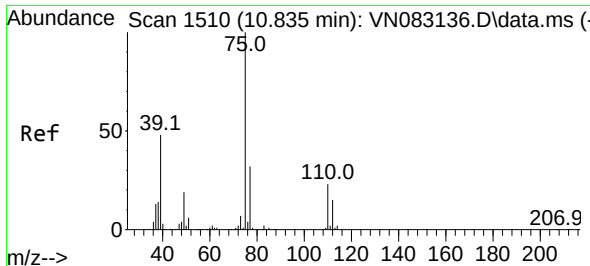


#52
Toluene
Concen: 21.088 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN083451.D
Acq: 23 Aug 2024 11:14



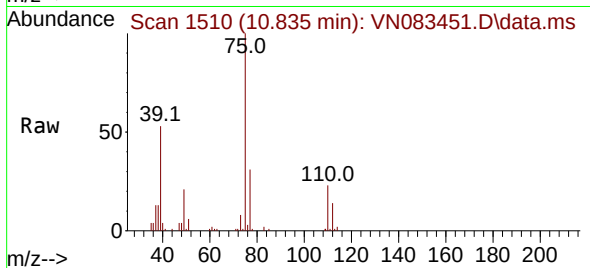
Tgt Ion: 92 Resp: 89854
Ion Ratio Lower Upper
92 100
91 173.6 139.4 209.0





#53
t-1,3-Dichloropropene
Concen: 19.780 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. 0.000 min
Lab File: VN083451.D
Acq: 23 Aug 2024 11:14

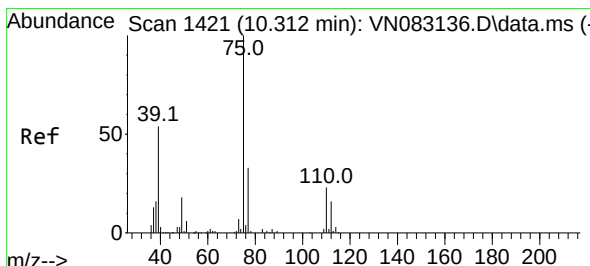
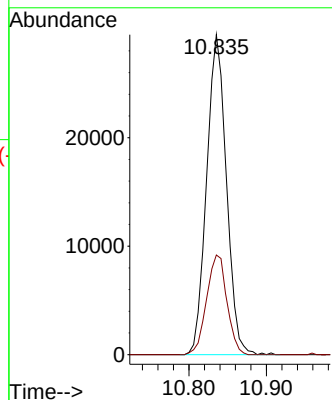
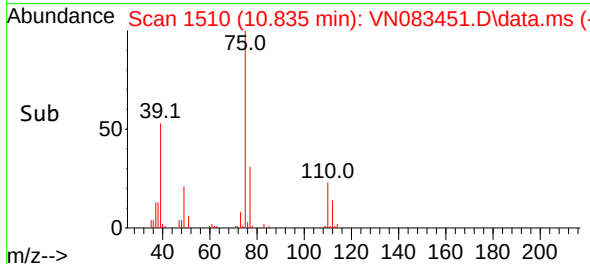
Instrument :
MSVOA_N
ClientSampleId :
VN0823WBS02



Tgt Ion: 75 Resp: 5227
Ion Ratio Lower Upper
75 100
77 31.1 25.7 38.5

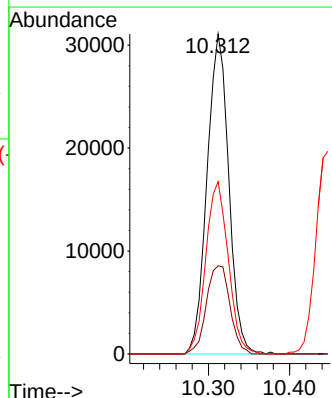
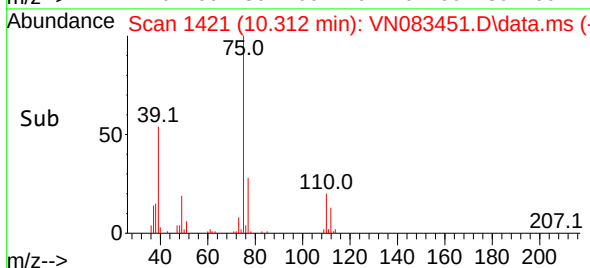
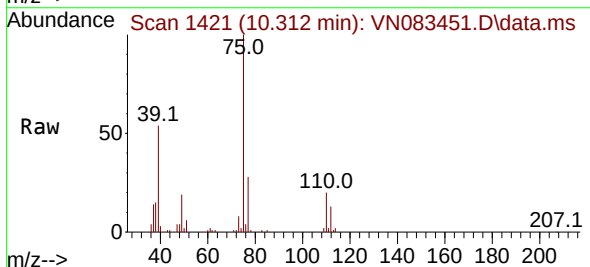
Manual Integrations
APPROVED

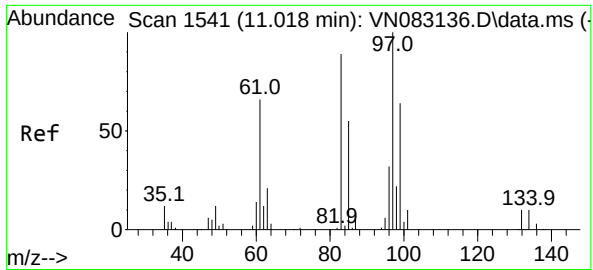
Reviewed By :John Carlone 08/26/2024
Supervised By :Semsettin Yesilyurt 08/26/2024



#54
cis-1,3-Dichloropropene
Concen: 20.512 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.000 min
Lab File: VN083451.D
Acq: 23 Aug 2024 11:14

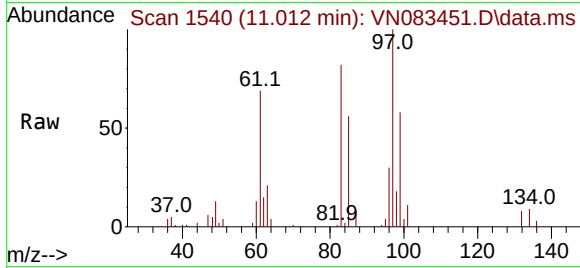
Tgt Ion: 75 Resp: 57654
Ion Ratio Lower Upper
75 100
77 27.5 24.3 36.5
39 53.9 50.5 75.7





#55
1,1,2-Trichloroethane
Concen: 21.825 ug/l
RT: 11.012 min Scan# 1541
Delta R.T. -0.006 min
Lab File: VN083451.D
Acq: 23 Aug 2024 11:14

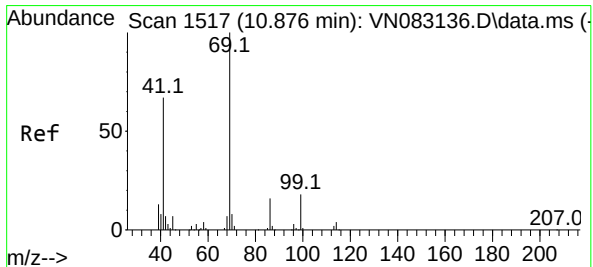
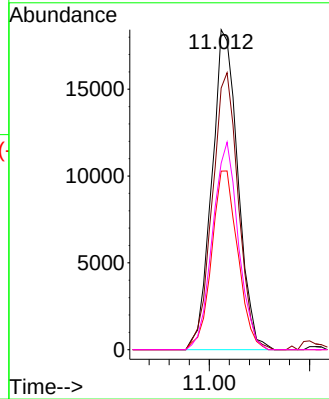
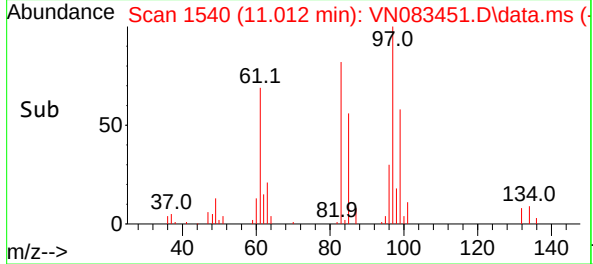
Instrument :
MSVOA_N
ClientSampleId :
VN0823WBS02



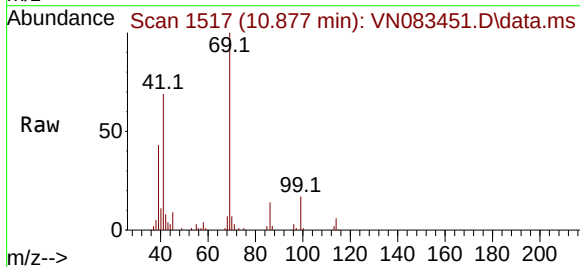
Tgt Ion: 97 Resp: 33320
Ion Ratio Lower Upper
97 100
83 81.7 71.4 107.0
85 55.8 45.8 68.6
99 58.3 52.0 78.0

Manual Integrations
APPROVED

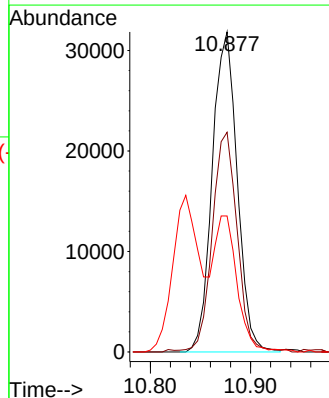
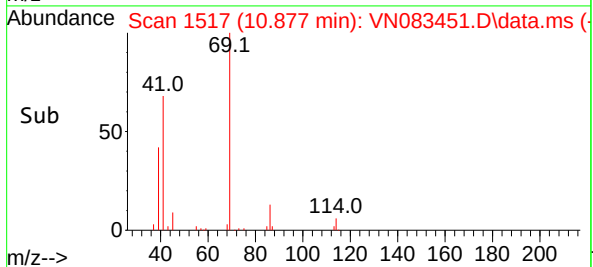
Reviewed By :John Carlone 08/26/2024
Supervised By :Semsettin Yesilyurt 08/26/2024

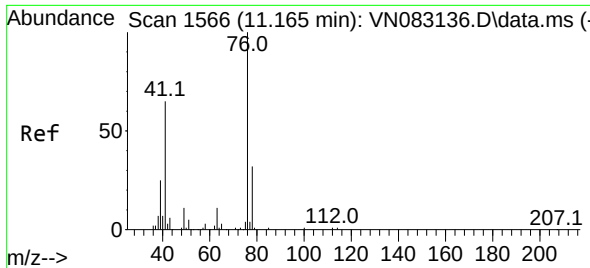


#56
Ethyl methacrylate
Concen: 19.149 ug/l
RT: 10.877 min Scan# 1517
Delta R.T. 0.000 min
Lab File: VN083451.D
Acq: 23 Aug 2024 11:14



Tgt Ion: 69 Resp: 55123
Ion Ratio Lower Upper
69 100
41 68.9 63.4 95.2
39 38.1 37.4 56.0





#57

1,3-Dichloropropane

Concen: 21.549 ug/l

RT: 11.165 min Scan# 1566

Delta R.T. 0.000 min

Lab File: VN083451.D

Acq: 23 Aug 2024 11:14

Instrument :

MSVOA_N

ClientSampleId :

VN0823WBS02

Tgt Ion: 76 Resp: 58649

Ion Ratio Lower Upper

76 100

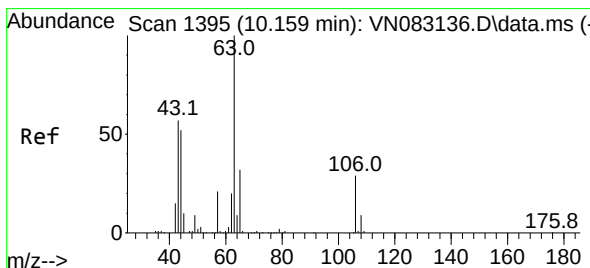
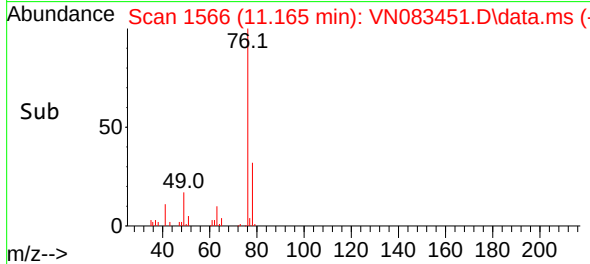
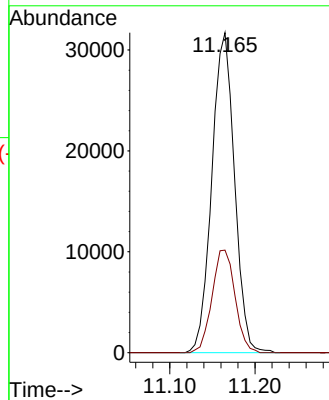
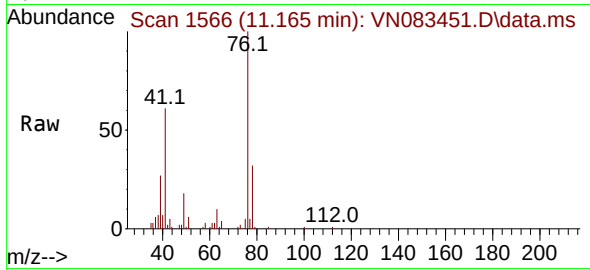
78 32.5 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/26/2024

Supervised By :Semsettin Yesilyurt 08/26/2024



#58

2-Chloroethyl Vinyl ether

Concen: 89.830 ug/l

RT: 10.159 min Scan# 1395

Delta R.T. 0.000 min

Lab File: VN083451.D

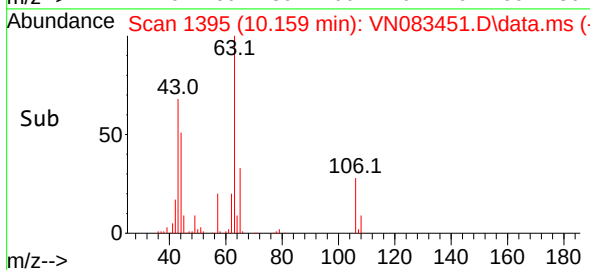
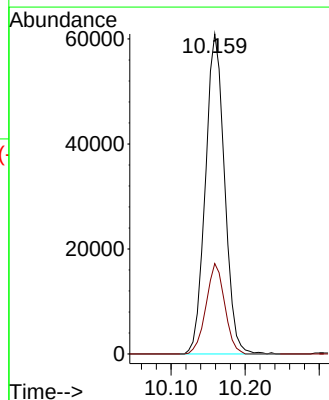
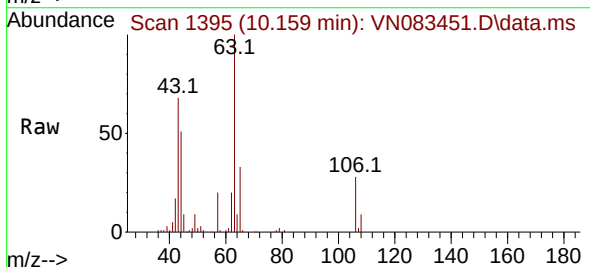
Acq: 23 Aug 2024 11:14

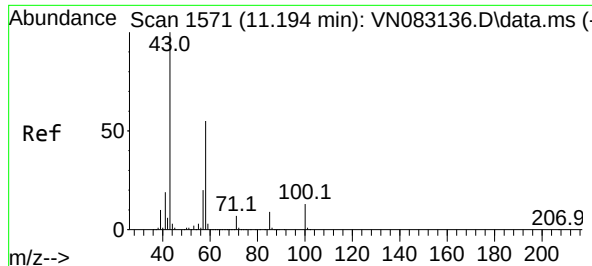
Tgt Ion: 63 Resp: 109304

Ion Ratio Lower Upper

63 100

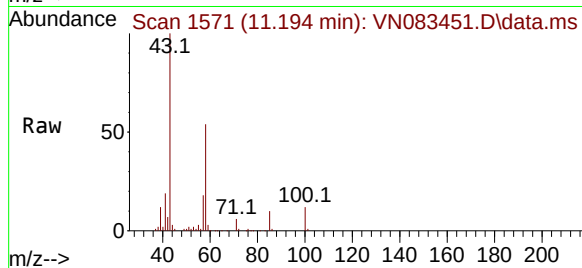
106 27.6 21.4 32.0





#59
2-Hexanone
Concen: 91.454 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. 0.000 min
Lab File: VN083451.D
Acq: 23 Aug 2024 11:14

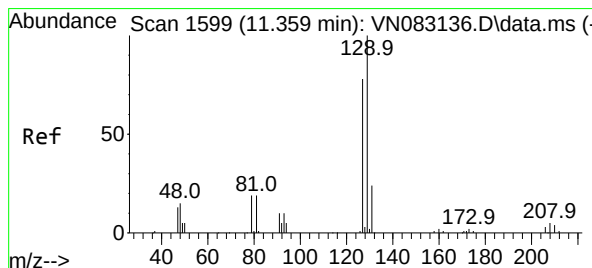
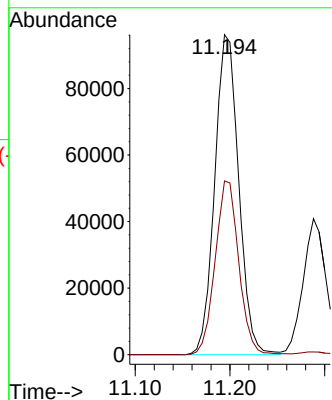
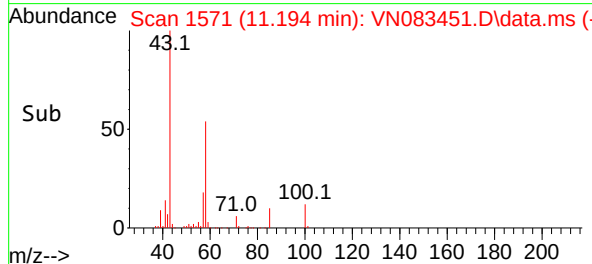
Instrument :
MSVOA_N
ClientSampleId :
VN0823WBS02



Tgt Ion: 43 Resp: 16957
Ion Ratio Lower Upper
43 100
58 53.4 24.6 73.8

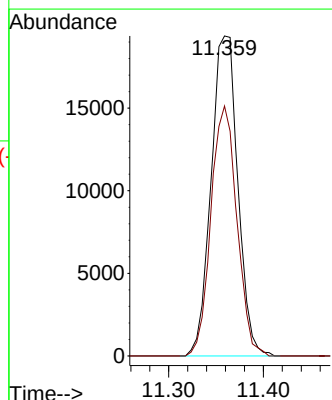
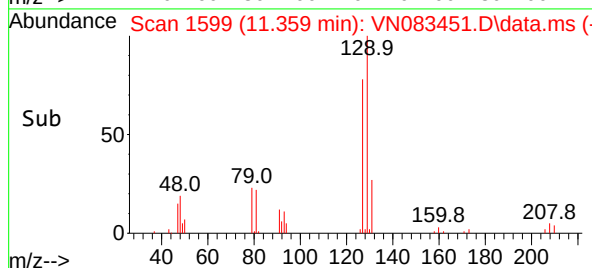
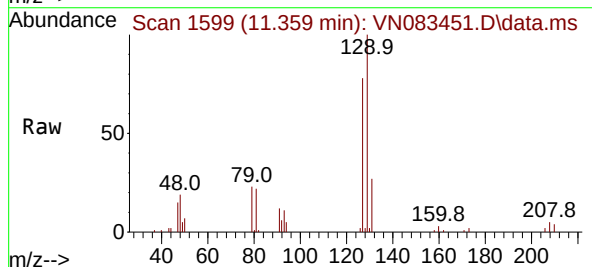
Manual Integrations
APPROVED

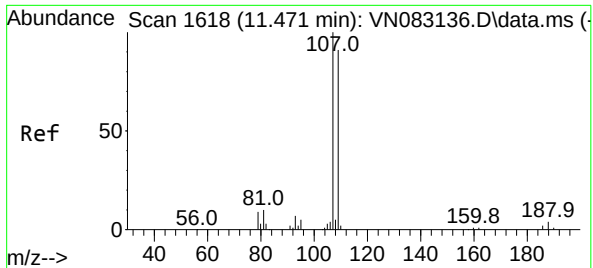
Reviewed By :John Carlone 08/26/2024
Supervised By :Semsettin Yesilyurt 08/26/2024



#60
Dibromochloromethane
Concen: 20.569 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VN083451.D
Acq: 23 Aug 2024 11:14

Tgt Ion:129 Resp: 37973
Ion Ratio Lower Upper
129 100
127 75.7 39.2 117.6





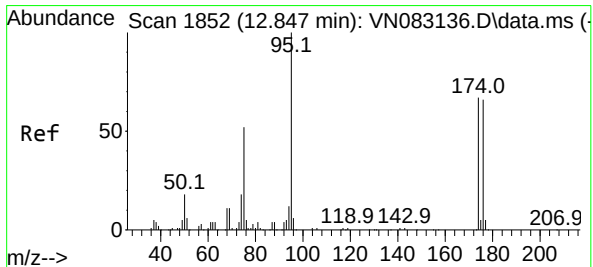
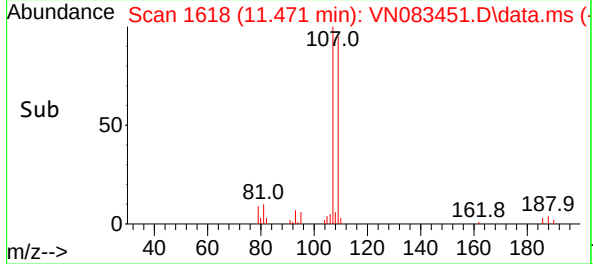
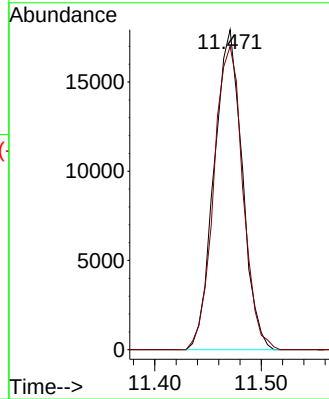
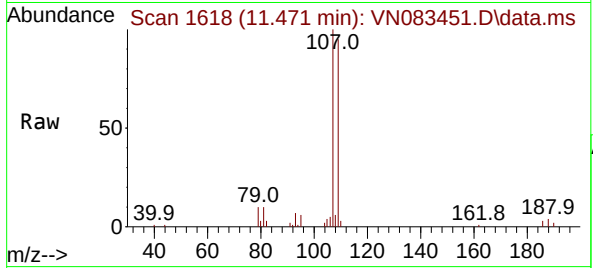
#61
1,2-Dibromoethane
Concen: 20.471 ug/l
RT: 11.471 min Scan# 1618
Delta R.T. 0.000 min
Lab File: VN083451.D
Acq: 23 Aug 2024 11:14

Instrument :
MSVOA_N
ClientSampleId :
VN0823WBS02

Tgt Ion: 107 Resp: 3283
Ion Ratio Lower Upper
107 100
109 97.9 73.7 110.5

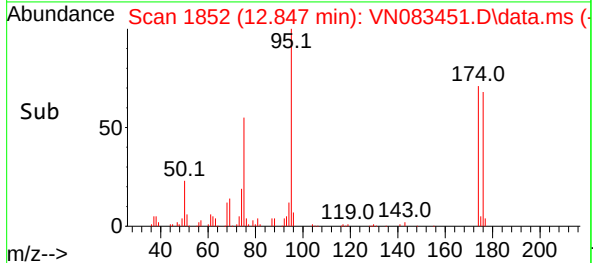
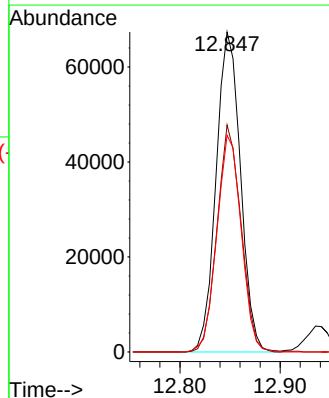
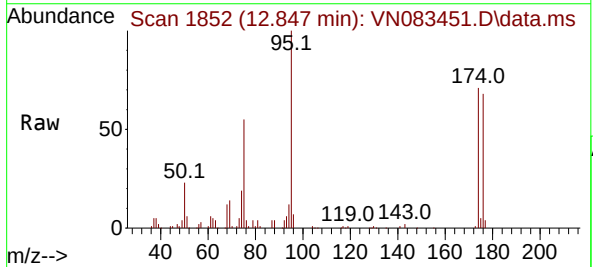
Manual Integrations
APPROVED

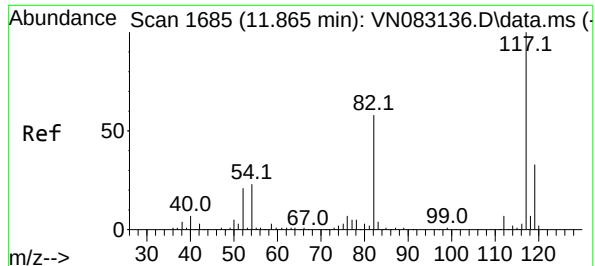
Reviewed By :John Carlone 08/26/2024
Supervised By :Semsettin Yesilyurt 08/26/2024



#62
4-Bromofluorobenzene
Concen: 52.342 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN083451.D
Acq: 23 Aug 2024 11:14

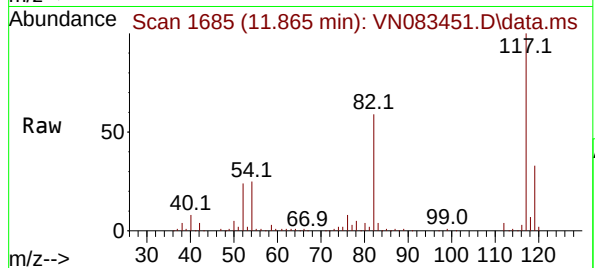
Tgt Ion: 95 Resp: 113906
Ion Ratio Lower Upper
95 100
174 69.6 0.0 159.2
176 67.6 0.0 147.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN083451.D
Acq: 23 Aug 2024 11:14

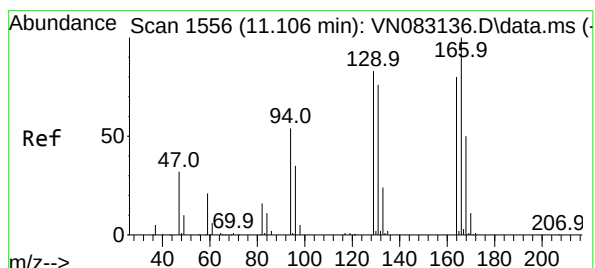
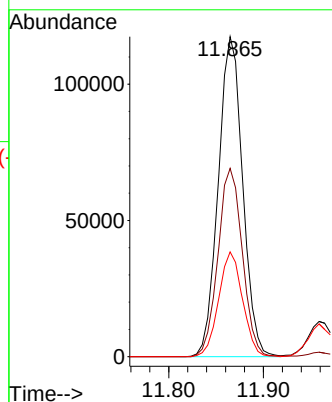
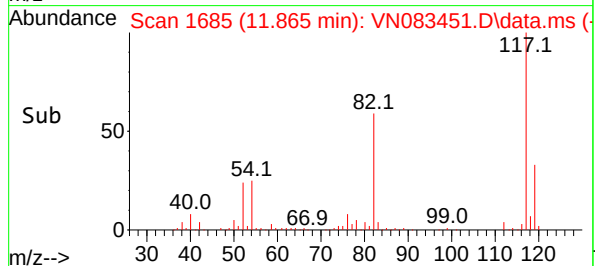
Instrument :
MSVOA_N
ClientSampleId :
VN0823WBS02



Tgt Ion:117 Resp: 210220
Ion Ratio Lower Upper
117 100
82 58.9 47.5 71.3
119 32.8 25.6 38.4

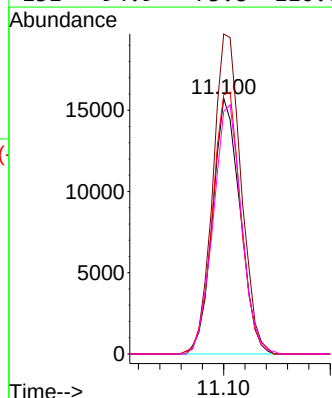
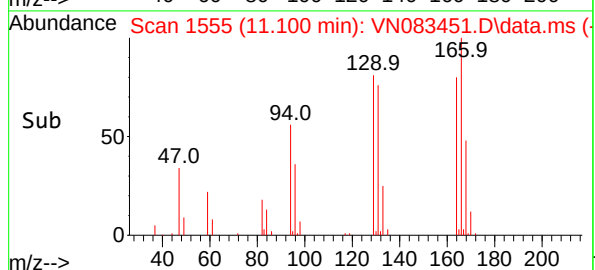
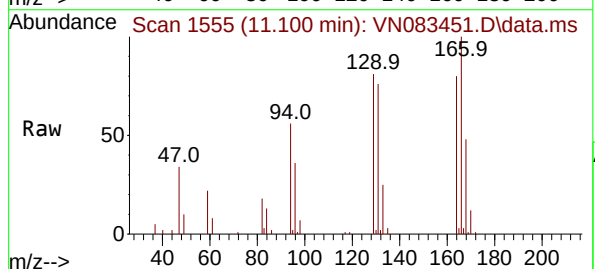
Manual Integrations
APPROVED

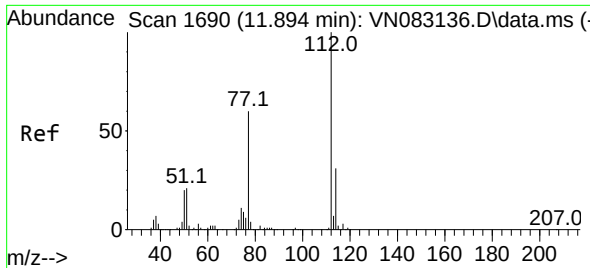
Reviewed By :John Carlone 08/26/2024
Supervised By :Semsettin Yesilyurt 08/26/2024



#64
Tetrachloroethene
Concen: 20.241 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.006 min
Lab File: VN083451.D
Acq: 23 Aug 2024 11:14

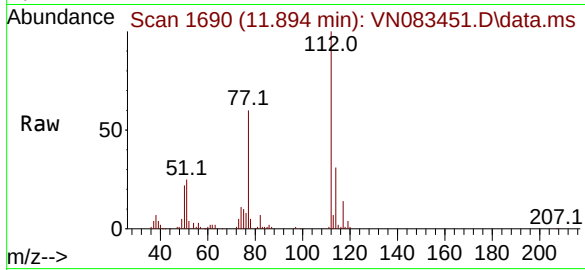
Tgt Ion:164 Resp: 28181
Ion Ratio Lower Upper
164 100
166 125.3 101.4 152.0
129 101.5 75.7 113.5
131 94.9 73.8 110.6





#65
Chlorobenzene
Concen: 20.038 ug/l
RT: 11.894 min Scan# 1189
Delta R.T. 0.000 min
Lab File: VN083451.D
Acq: 23 Aug 2024 11:14

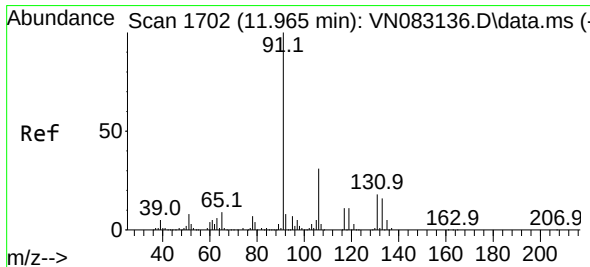
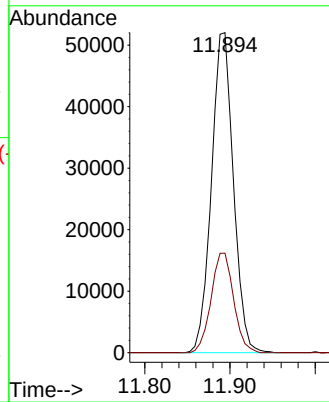
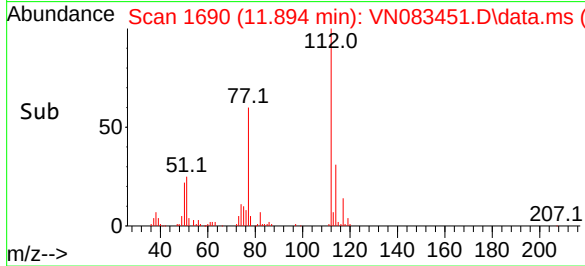
Instrument :
MSVOA_N
ClientSampleId :
VN0823WBS02



Tgt Ion:112 Resp: 9309
Ion Ratio Lower Upper
112 100
114 31.1 26.2 39.2

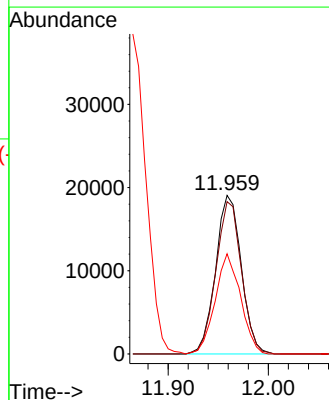
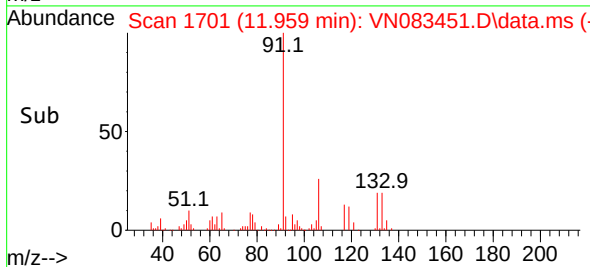
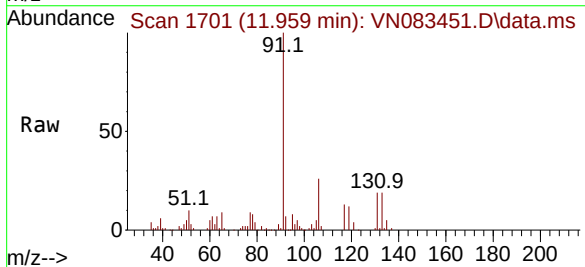
Manual Integrations
APPROVED

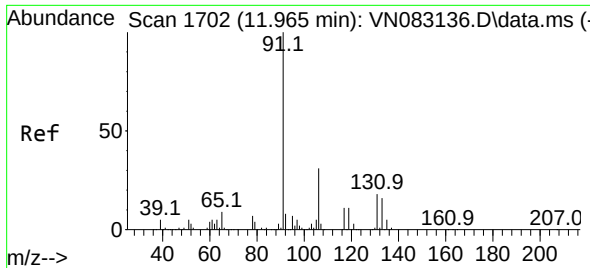
Reviewed By :John Carlone 08/26/2024
Supervised By :Semsettin Yesilyurt 08/26/2024



#66
1,1,1,2-Tetrachloroethane
Concen: 20.702 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.006 min
Lab File: VN083451.D
Acq: 23 Aug 2024 11:14

Tgt Ion:131 Resp: 33919
Ion Ratio Lower Upper
131 100
133 95.8 47.3 142.0
119 62.5 32.5 97.4





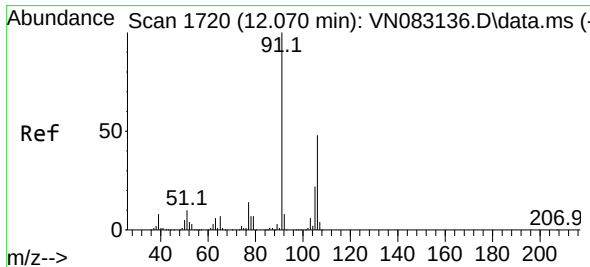
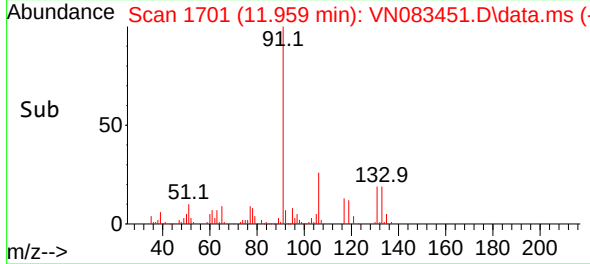
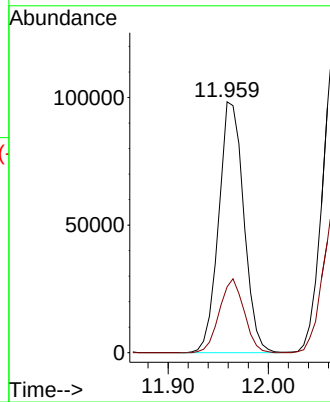
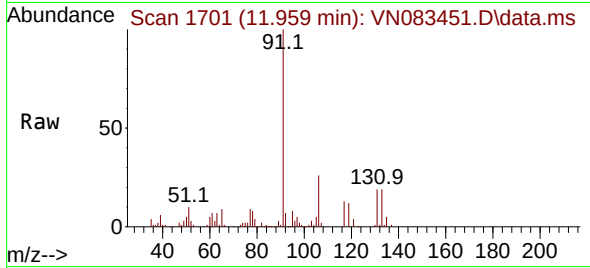
#67
Ethyl Benzene
Concen: 20.021 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.006 min
Lab File: VN083451.D
Acq: 23 Aug 2024 11:14

Instrument :
MSVOA_N
ClientSampleId :
VN0823WBS02

Tgt Ion: 91 Resp: 170625
Ion Ratio Lower Upper
91 100
106 26.2 24.0 36.0

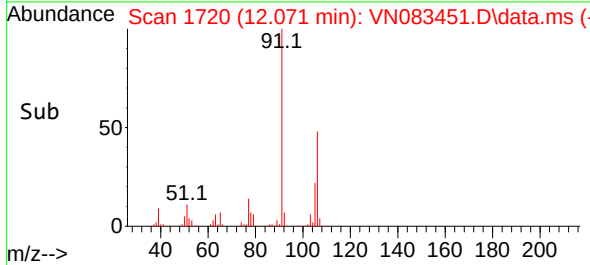
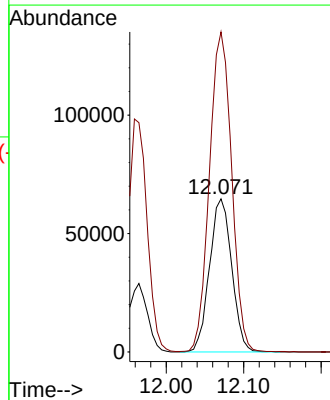
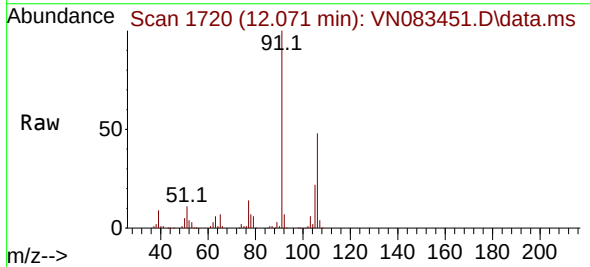
Manual Integrations
APPROVED

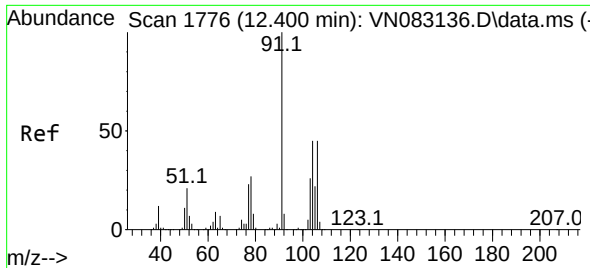
Reviewed By :John Carlone 08/26/2024
Supervised By :Semsettin Yesilyurt 08/26/2024



#68
m/p-Xylenes
Concen: 40.290 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN083451.D
Acq: 23 Aug 2024 11:14

Tgt Ion:106 Resp: 128625
Ion Ratio Lower Upper
106 100
91 209.6 166.1 249.1





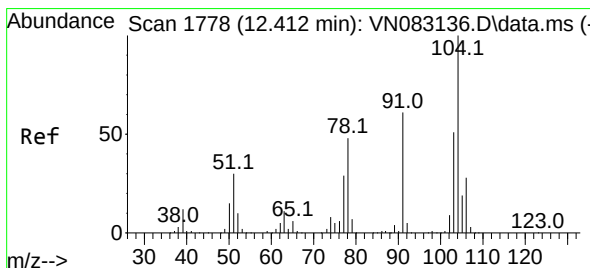
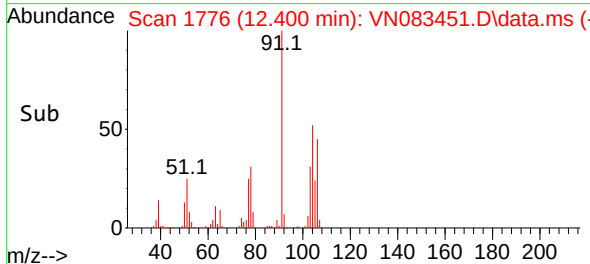
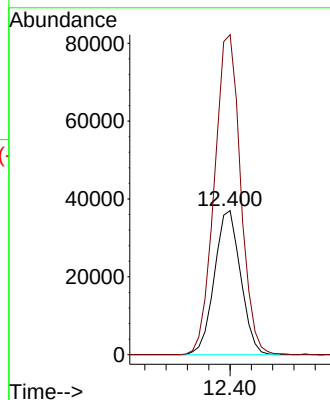
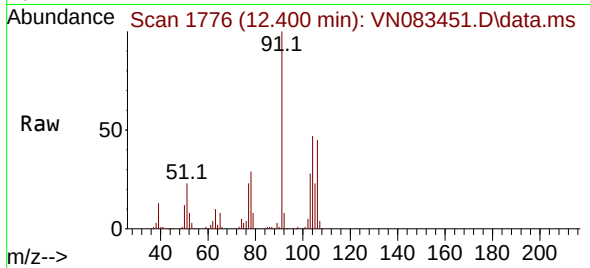
#69
o-Xylene
Concen: 20.045 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. 0.000 min
Lab File: VN083451.D
Acq: 23 Aug 2024 11:14

Instrument :
MSVOA_N
ClientSampleId :
VN0823WBS02

Tgt Ion:106 Resp: 6311
Ion Ratio Lower Upper
106 100
91 222.3 111.3 333.9

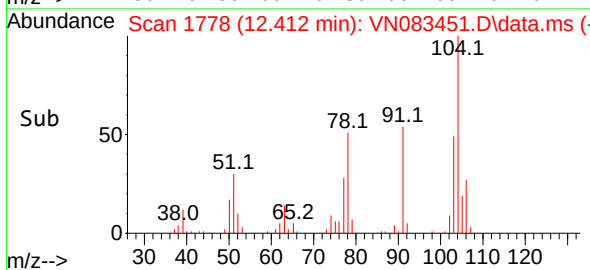
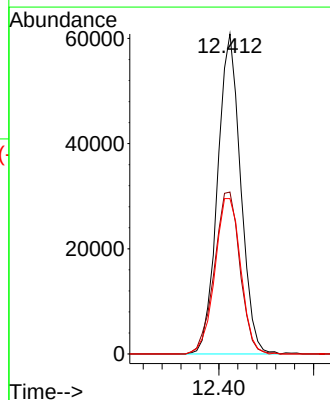
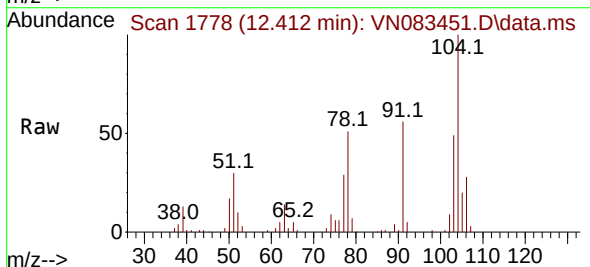
Manual Integrations
APPROVED

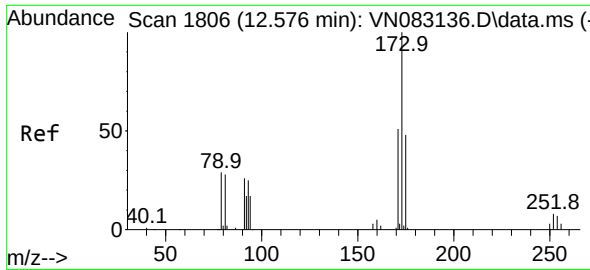
Reviewed By :John Carlone 08/26/2024
Supervised By :Semsettin Yesilyurt 08/26/2024



#70
Styrene
Concen: 19.501 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VN083451.D
Acq: 23 Aug 2024 11:14

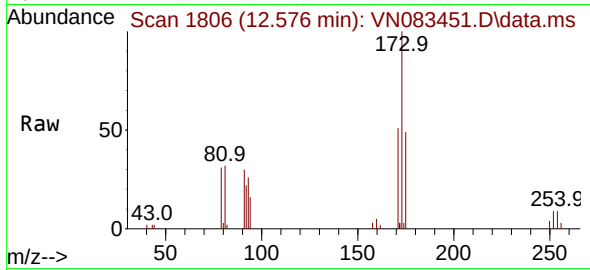
Tgt Ion:104 Resp: 103128
Ion Ratio Lower Upper
104 100
78 56.0 41.6 62.4
103 54.3 44.0 66.0





#71
Bromoform
Concen: 18.558 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VN083451.D
Acq: 23 Aug 2024 11:14

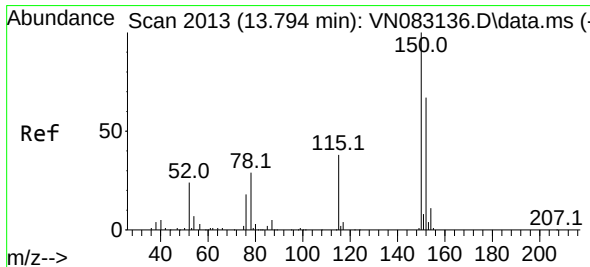
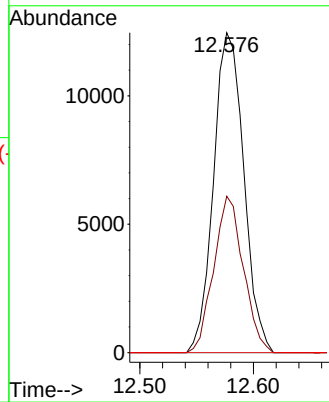
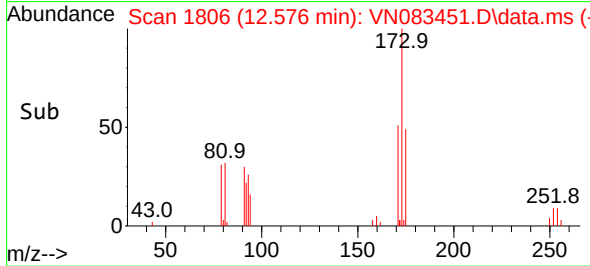
Instrument :
MSVOA_N
ClientSampleId :
VN0823WBS02



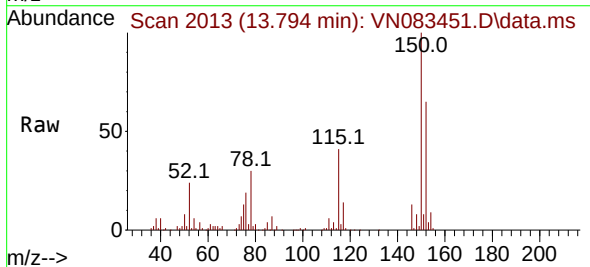
Tgt Ion:173 Resp: 23035
Ion Ratio Lower Upper
173 100
175 47.9 24.0 72.0
254 0.0 0.0 0.0

Manual Integrations
APPROVED

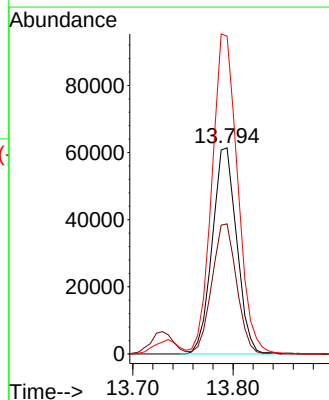
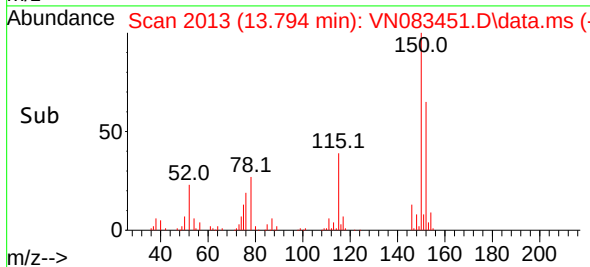
Reviewed By :John Carlone 08/26/2024
Supervised By :Semsettin Yesilyurt 08/26/2024

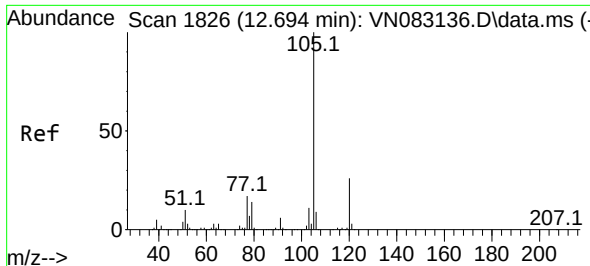


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN083451.D
Acq: 23 Aug 2024 11:14



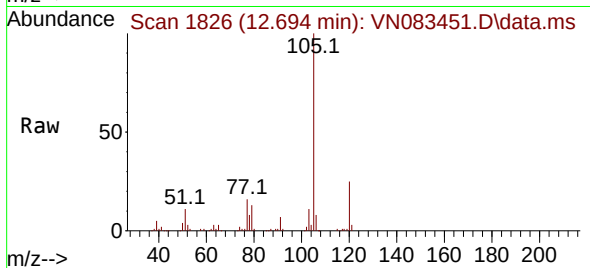
Tgt Ion:152 Resp: 104257
Ion Ratio Lower Upper
152 100
115 64.0 30.6 91.6
150 163.2 0.0 348.6





#73
Isopropylbenzene
Concen: 18.231 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN083451.D
Acq: 23 Aug 2024 11:14

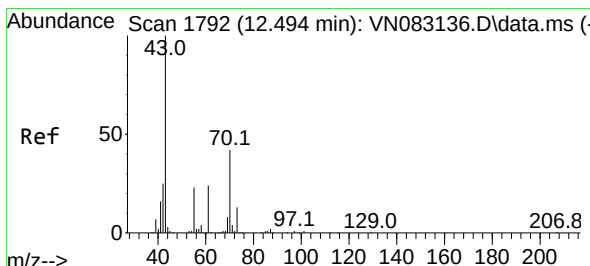
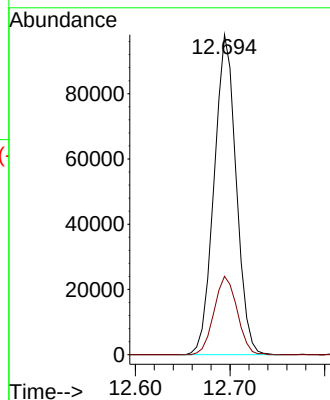
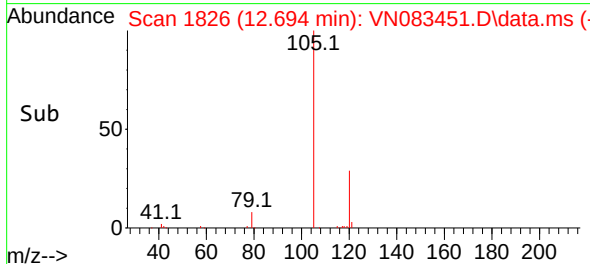
Instrument :
MSVOA_N
ClientSampleId :
VN0823WBS02



Tgt Ion: 105 Resp: 158979
Ion Ratio Lower Upper
105 100
120 25.5 12.9 38.6

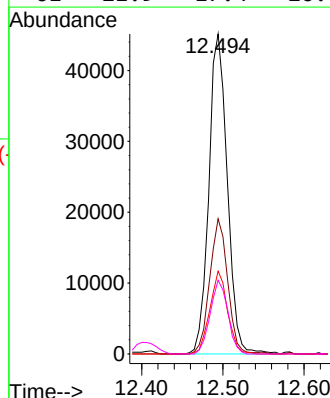
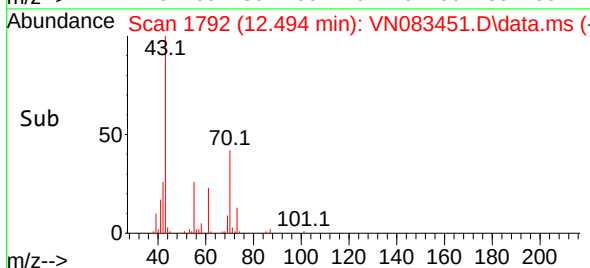
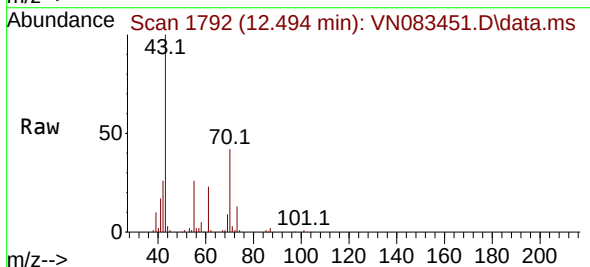
Manual Integrations
APPROVED

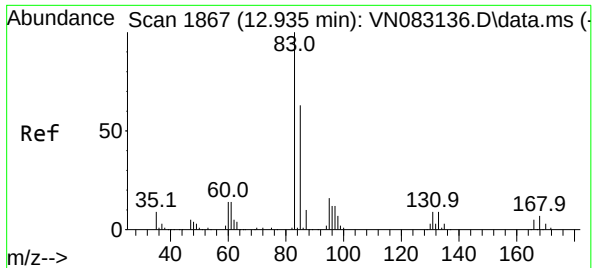
Reviewed By :John Carlone 08/26/2024
Supervised By :Semsettin Yesilyurt 08/26/2024



#74
N-ethyl acetate
Concen: 16.707 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VN083451.D
Acq: 23 Aug 2024 11:14

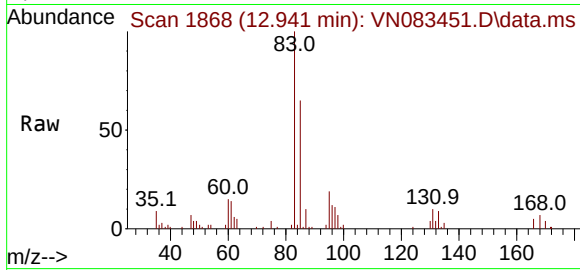
Tgt Ion: 43 Resp: 71264
Ion Ratio Lower Upper
43 100
70 41.3 29.8 44.6
55 24.8 18.7 28.1
61 21.9 17.4 26.0





#75
1,1,2,2-Tetrachloroethane
Concen: 19.838 ug/l
RT: 12.941 min Scan# 1868
Delta R.T. 0.006 min
Lab File: VN083451.D
Acq: 23 Aug 2024 11:14

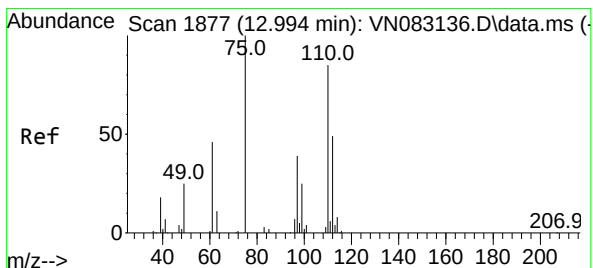
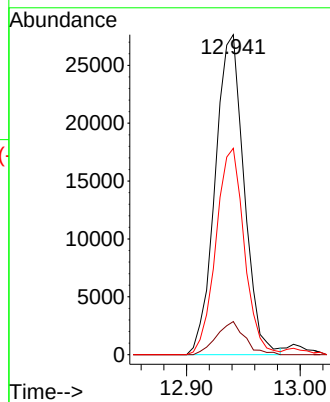
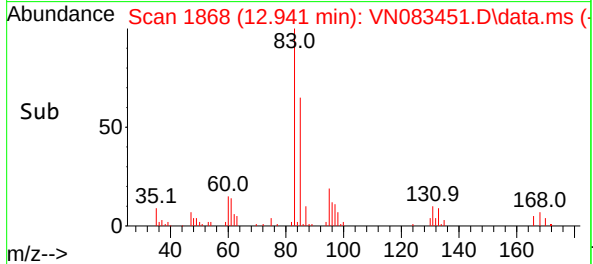
Instrument :
MSVOA_N
ClientSampleId :
VN0823WBS02



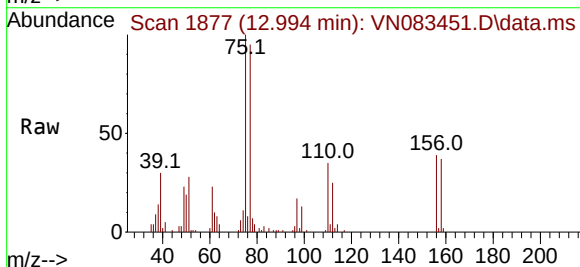
Tgt Ion: 83 Resp: 48928
Ion Ratio Lower Upper
83 100
131 10.1 5.0 14.9
85 63.2 31.9 95.7

Manual Integrations
APPROVED

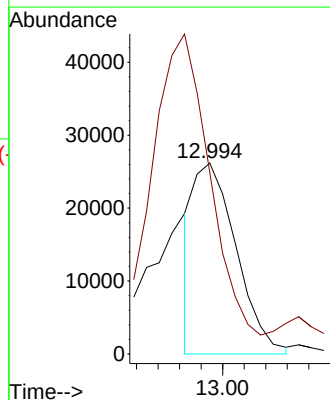
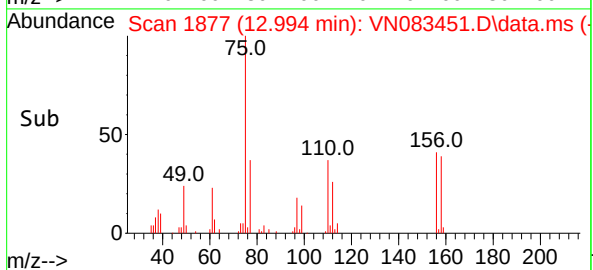
Reviewed By :John Carlone 08/26/2024
Supervised By :Semsettin Yesilyurt 08/26/2024

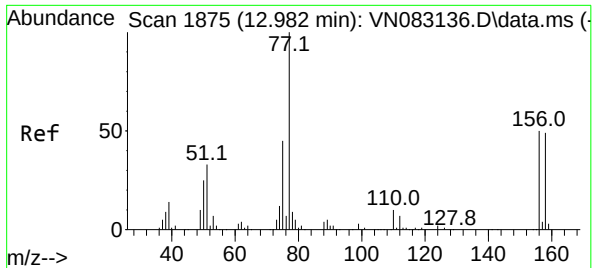


#76
1,2,3-Trichloropropane
Concen: 15.745 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.000 min
Lab File: VN083451.D
Acq: 23 Aug 2024 11:14



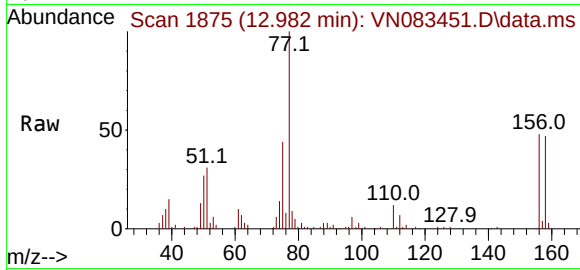
Tgt Ion: 75 Resp: 36028
Ion Ratio Lower Upper
75 100
77 237.6 110.9 332.6





#77
Bromobenzene
Concen: 19.463 ug/l
RT: 12.982 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VN083451.D
Acq: 23 Aug 2024 11:14

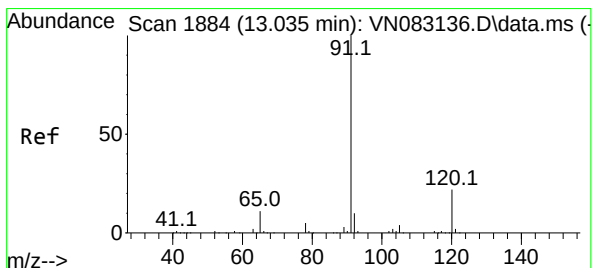
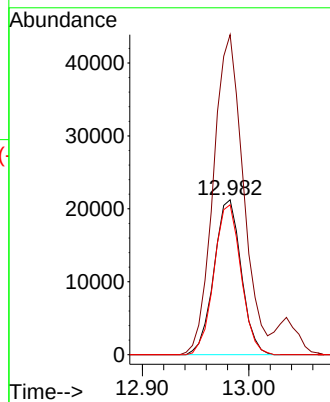
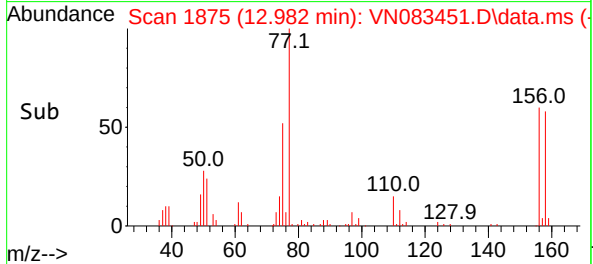
Instrument :
MSVOA_N
ClientSampleId :
VN0823WBS02



Tgt Ion:156 Resp: 3770
Ion Ratio Lower Upper
156 100
77 227.1 111.3 333.8
158 96.1 48.3 144.9

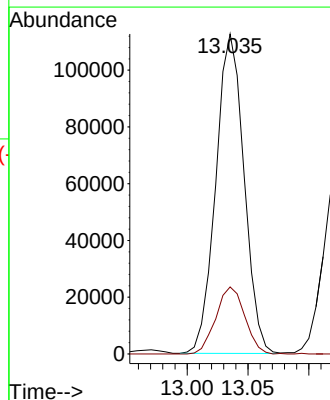
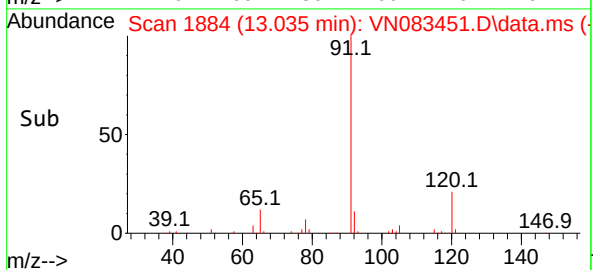
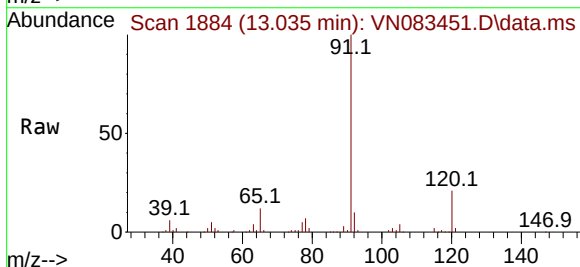
Manual Integrations
APPROVED

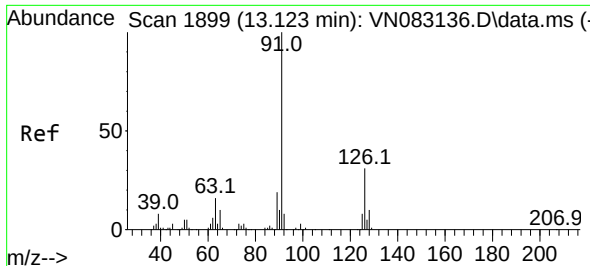
Reviewed By :John Carlone 08/26/2024
Supervised By :Semsettin Yesilyurt 08/26/2024



#78
n-propylbenzene
Concen: 18.084 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN083451.D
Acq: 23 Aug 2024 11:14

Tgt Ion: 91 Resp: 181591
Ion Ratio Lower Upper
91 100
120 21.5 10.9 32.9





#79

2-Chlorotoluene

Concen: 18.397 ug/l

RT: 13.123 min Scan# 1899

Delta R.T. 0.000 min

Lab File: VN083451.D

Acq: 23 Aug 2024 11:14

Instrument :

MSVOA_N

ClientSampleId :

VN0823WBS02

Tgt Ion: 91 Resp: 11711

Ion Ratio Lower Upper

91 100

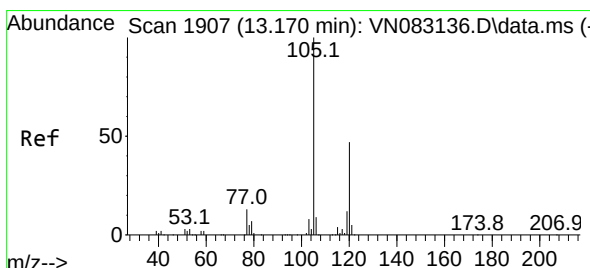
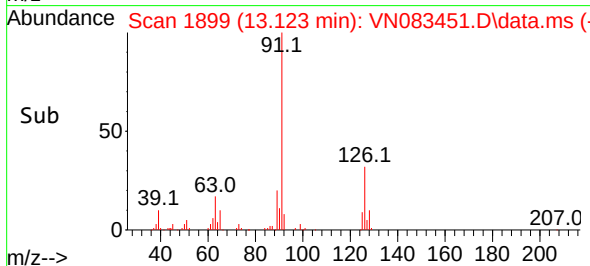
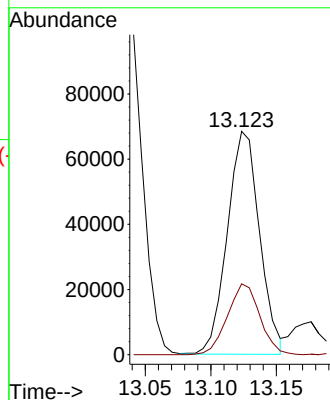
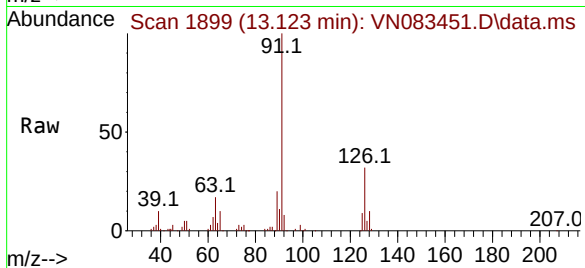
126 31.9 16.2 48.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/26/2024

Supervised By :Semsettin Yesilyurt 08/26/2024



#80

1,3,5-Trimethylbenzene

Concen: 18.760 ug/l

RT: 13.171 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VN083451.D

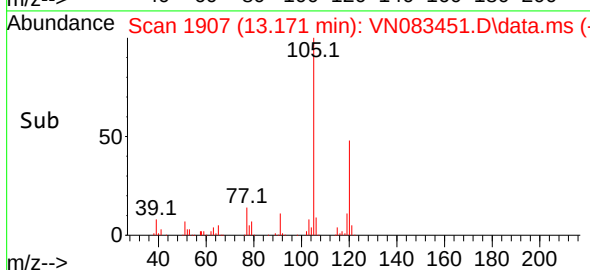
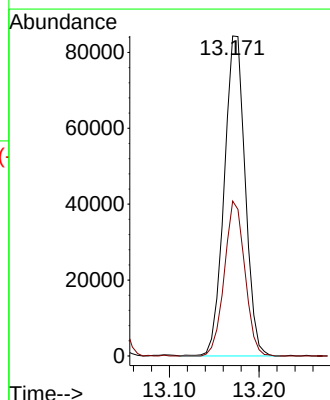
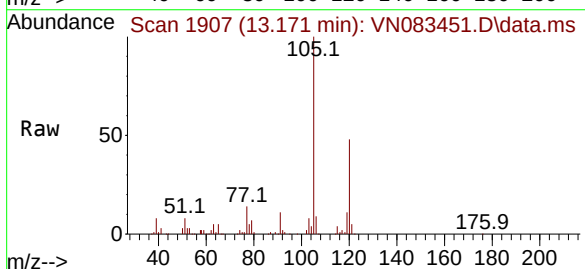
Acq: 23 Aug 2024 11:14

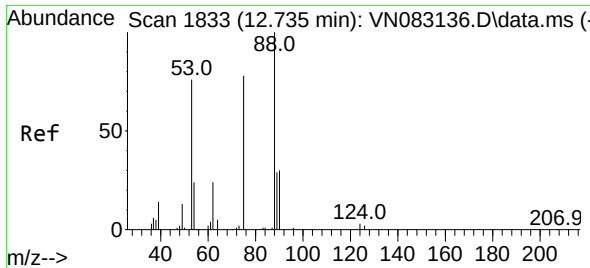
Tgt Ion:105 Resp: 136958

Ion Ratio Lower Upper

105 100

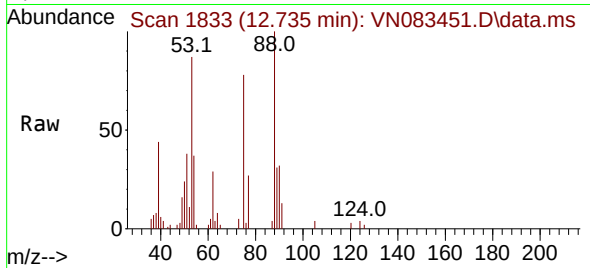
120 47.3 24.3 72.8





#81
trans-1,4-Dichloro-2-butene
Concen: 14.391 ug/l
RT: 12.735 min Scan# 1833
Delta R.T. 0.000 min
Lab File: VN083451.D
Acq: 23 Aug 2024 11:14

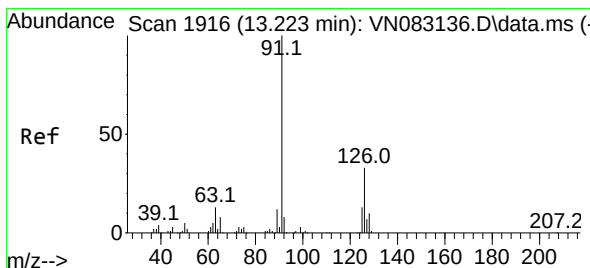
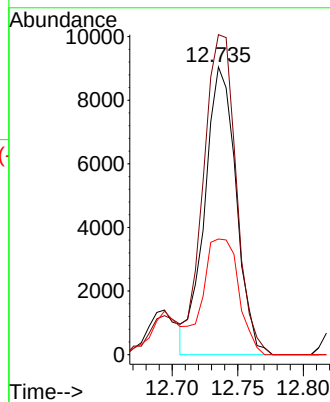
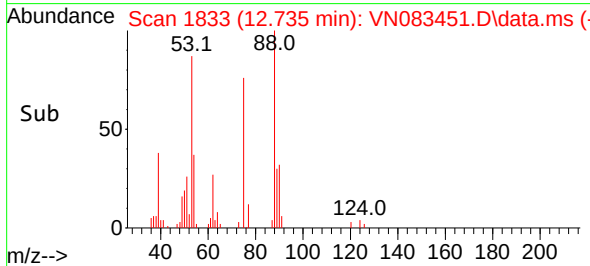
Instrument :
MSVOA_N
ClientSampleId :
VN0823WBS02



Tgt Ion: 75 Resp: 15138
Ion Ratio Lower Upper
75 100
53 115.6 88.4 132.6
89 46.6 36.3 54.5

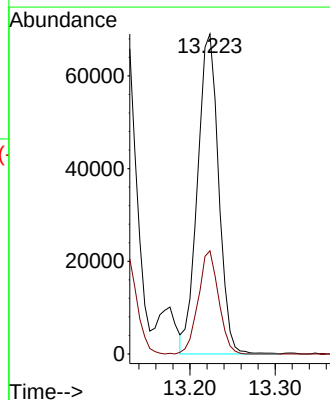
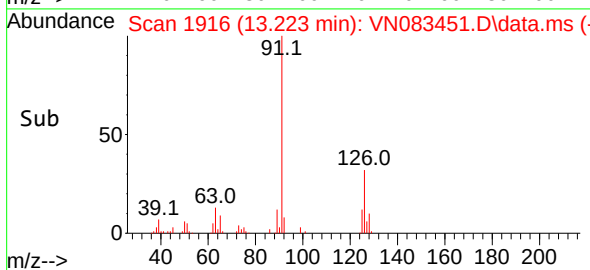
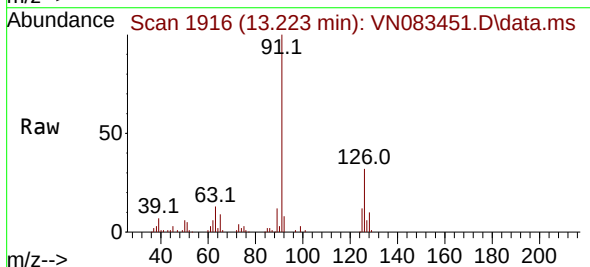
Manual Integrations
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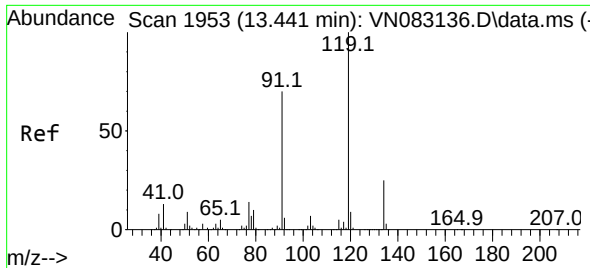
Reviewed By :John Carlone 08/26/2024
Supervised By :Semsettin Yesilyurt 08/26/2024



#82
4-Chlorotoluene
Concen: 18.594 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. 0.000 min
Lab File: VN083451.D
Acq: 23 Aug 2024 11:14

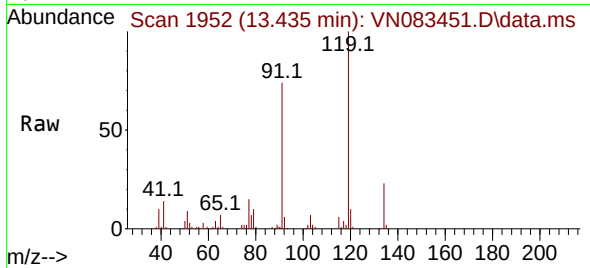
Tgt Ion: 91 Resp: 118732
Ion Ratio Lower Upper
91 100
126 31.1 16.2 48.6





#83
tert-Butylbenzene
Concen: 18.460 ug/l
RT: 13.435 min Scan# 1953
Delta R.T. -0.006 min
Lab File: VN083451.D
Acq: 23 Aug 2024 11:14

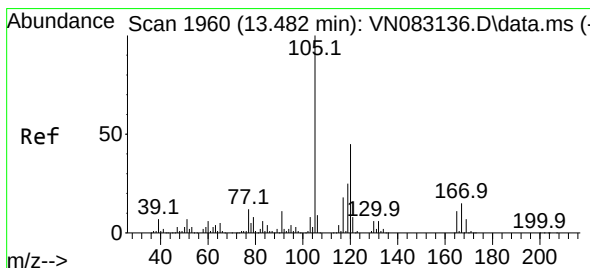
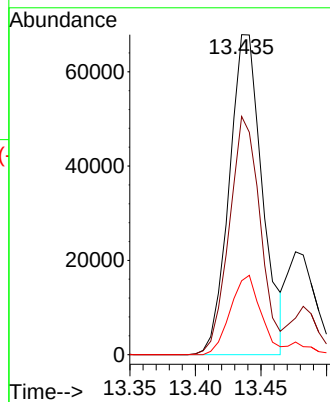
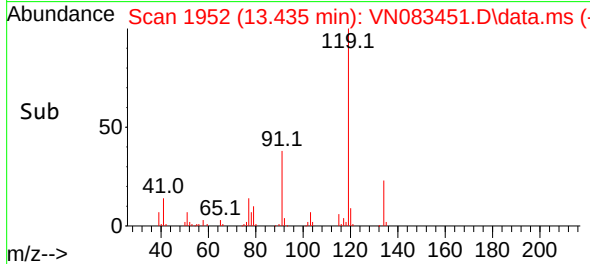
Instrument :
MSVOA_N
ClientSampleId :
VN0823WBS02



Tgt Ion:119 Resp: 119349
Ion Ratio Lower Upper
119 100
91 69.9 35.0 105.1
134 22.8 13.3 39.8

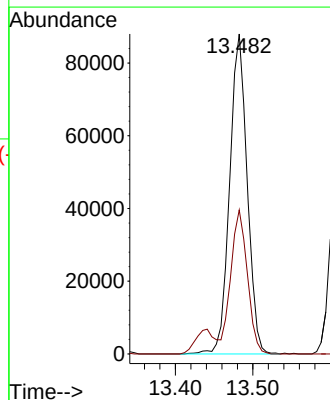
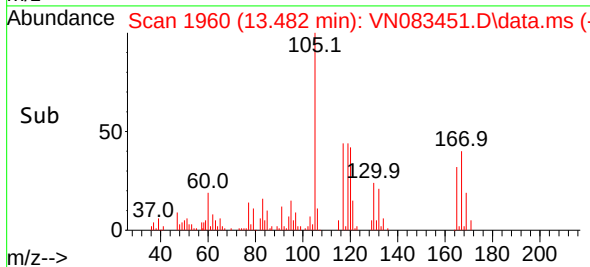
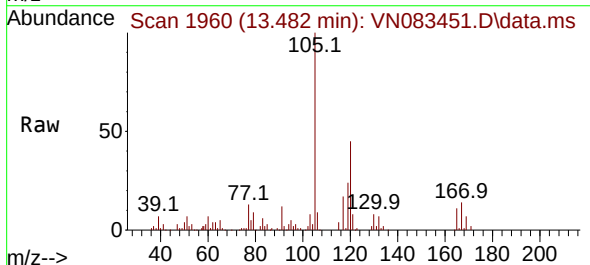
Manual Integrations
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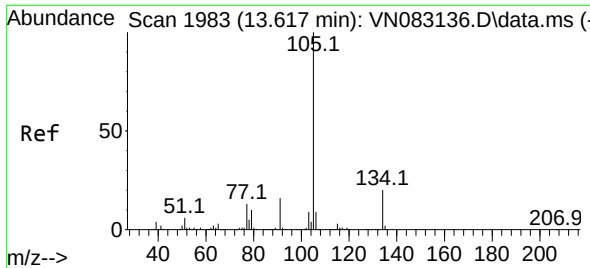
Reviewed By :John Carlone 08/26/2024
Supervised By :Semsettin Yesilyurt 08/26/2024



#84
1,2,4-Trimethylbenzene
Concen: 18.794 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN083451.D
Acq: 23 Aug 2024 11:14

Tgt Ion:105 Resp: 138275
Ion Ratio Lower Upper
105 100
120 42.4 21.9 65.8





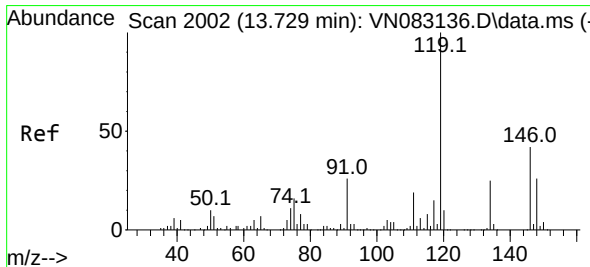
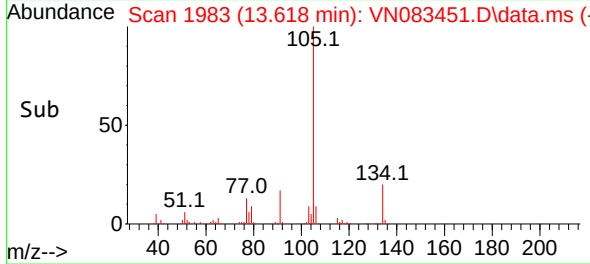
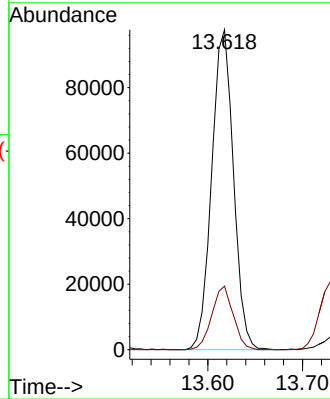
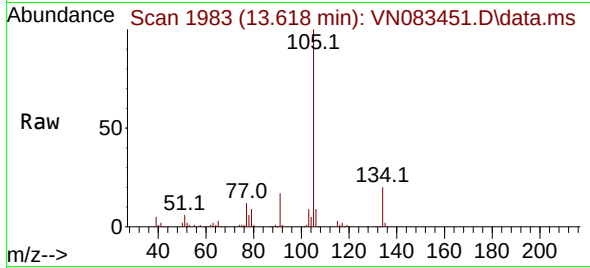
#85
sec-Butylbenzene
Concen: 17.669 ug/l
RT: 13.618 min Scan# 1983
Delta R.T. 0.000 min
Lab File: VN083451.D
Acq: 23 Aug 2024 11:14

Instrument :
MSVOA_N
ClientSampleId :
VN0823WBS02

Tgt Ion:105 Resp: 155870
Ion Ratio Lower Upper
105 100
134 19.5 9.8 29.3

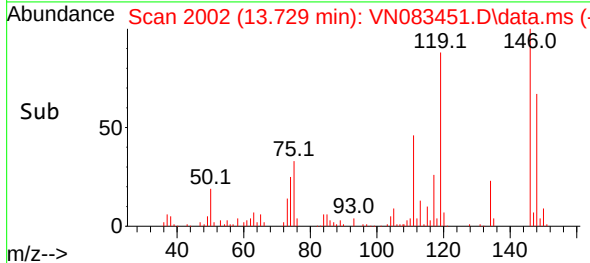
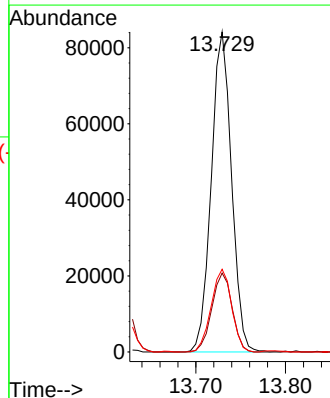
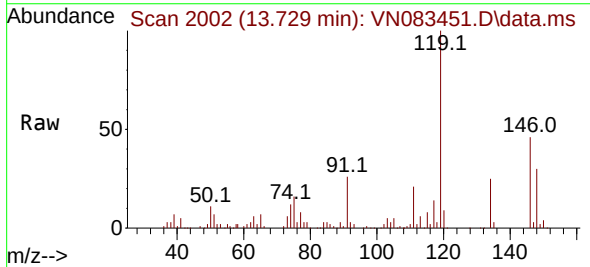
Manual Integrations
APPROVED

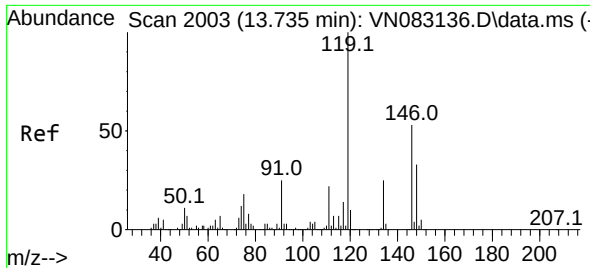
Reviewed By :John Carlone 08/26/2024
Supervised By :Semsettin Yesilyurt 08/26/2024



#86
p-Isopropyltoluene
Concen: 18.101 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN083451.D
Acq: 23 Aug 2024 11:14

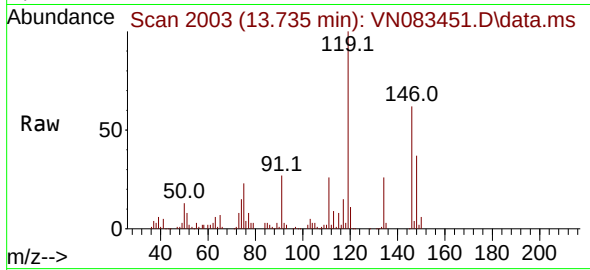
Tgt Ion:119 Resp: 131850
Ion Ratio Lower Upper
119 100
134 24.7 13.0 39.0
91 26.1 12.3 36.9





#87
1,3-Dichlorobenzene
Concen: 19.183 ug/l
RT: 13.735 min Scan# 2003
Delta R.T. 0.000 min
Lab File: VN083451.D
Acq: 23 Aug 2024 11:14

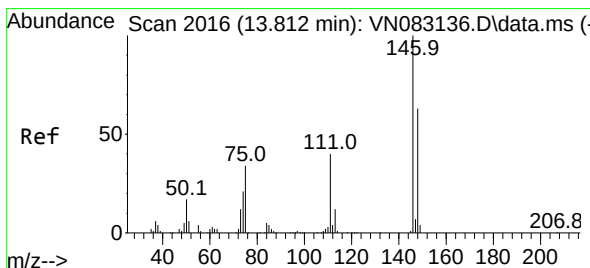
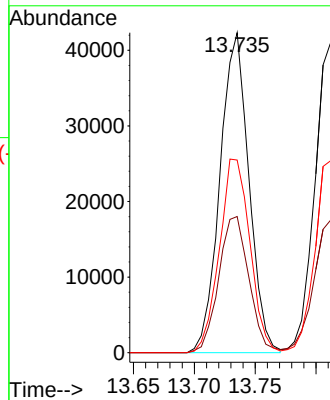
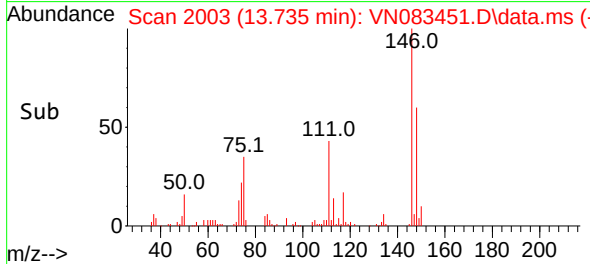
Instrument :
MSVOA_N
ClientSampleId :
VN0823WBS02



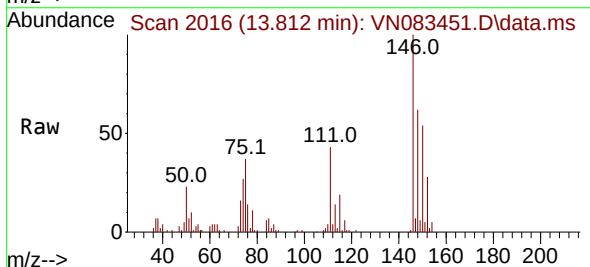
Tgt Ion:146 Resp: 6992
Ion Ratio Lower Upper
146 100
111 44.5 20.6 61.9
148 63.9 31.8 95.3

Manual Integrations
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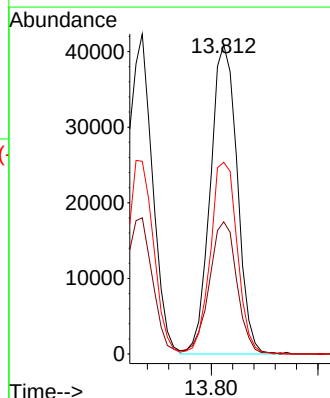
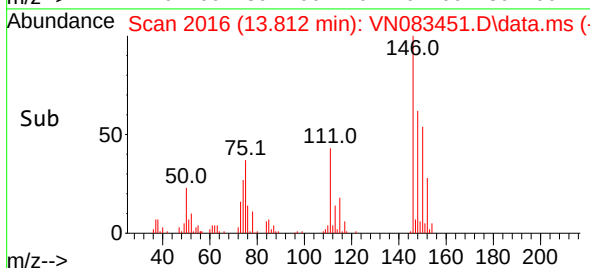
Reviewed By :John Carlone 08/26/2024
Supervised By :Semsettin Yesilyurt 08/26/2024

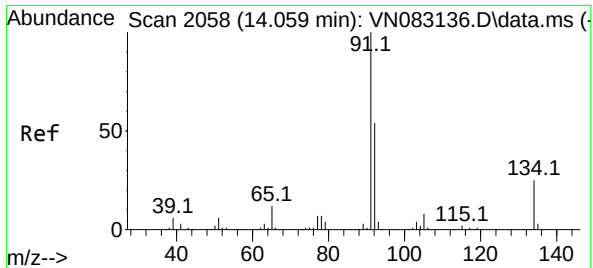


#88
1,4-Dichlorobenzene
Concen: 19.509 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN083451.D
Acq: 23 Aug 2024 11:14



Tgt Ion:146 Resp: 71690
Ion Ratio Lower Upper
146 100
111 44.0 20.1 60.3
148 62.1 32.2 96.6





#89

n-Butylbenzene

Concen: 17.192 ug/l

RT: 14.059 min Scan# 2058

Delta R.T. 0.000 min

Lab File: VN083451.D

Acq: 23 Aug 2024 11:14

Instrument :

MSVOA_N

ClientSampleId :

VN0823WBS02

Tgt Ion: 91 Resp: 108510

Ion Ratio Lower Upper

91 100

92 52.9 26.1 78.3

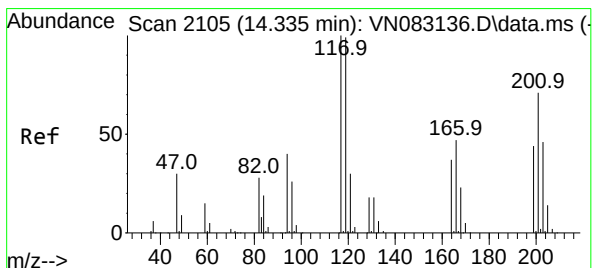
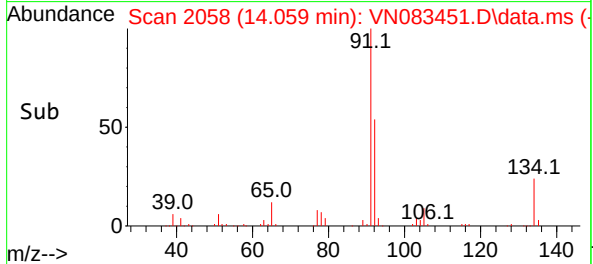
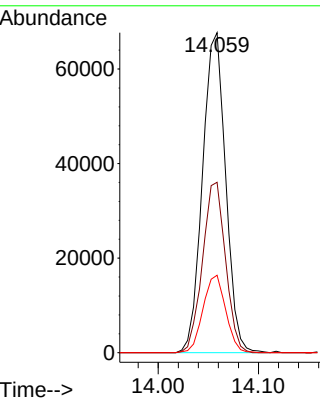
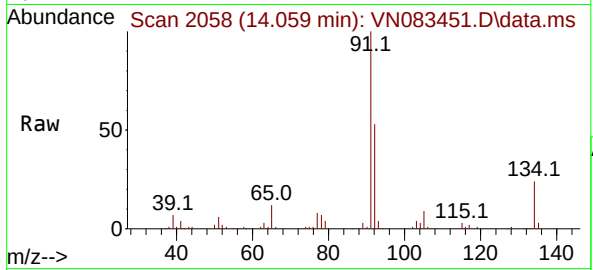
134 23.7 12.1 36.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/26/2024

Supervised By :Semsettin Yesilyurt 08/26/2024



#90

Hexachloroethane

Concen: 17.988 ug/l

RT: 14.335 min Scan# 2105

Delta R.T. 0.000 min

Lab File: VN083451.D

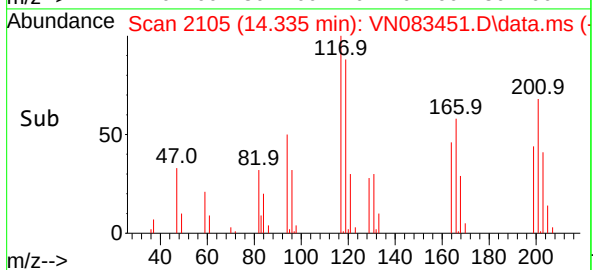
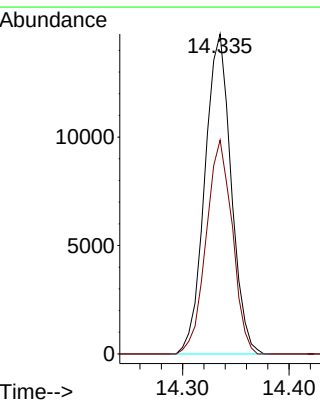
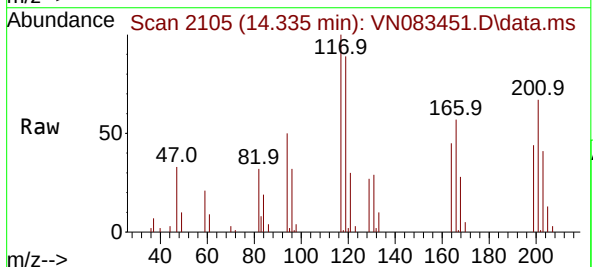
Acq: 23 Aug 2024 11:14

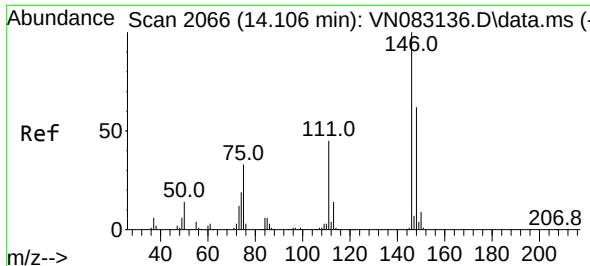
Tgt Ion:117 Resp: 25314

Ion Ratio Lower Upper

117 100

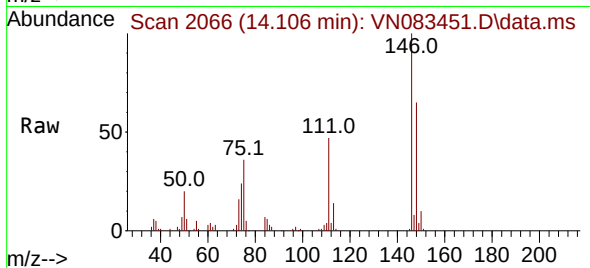
201 66.3 35.8 107.3





#91
1,2-Dichlorobenzene
Concen: 19.592 ug/l
RT: 14.106 min Scan# 2066
Delta R.T. 0.000 min
Lab File: VN083451.D
Acq: 23 Aug 2024 11:14

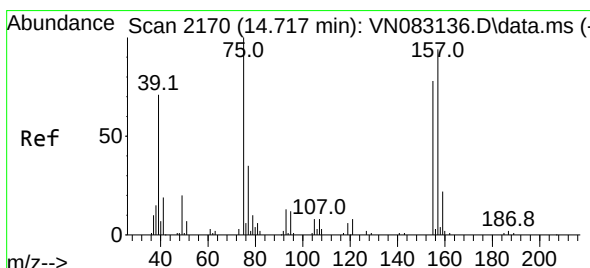
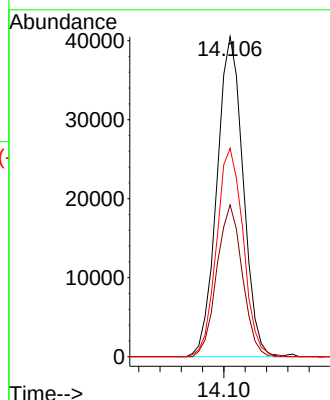
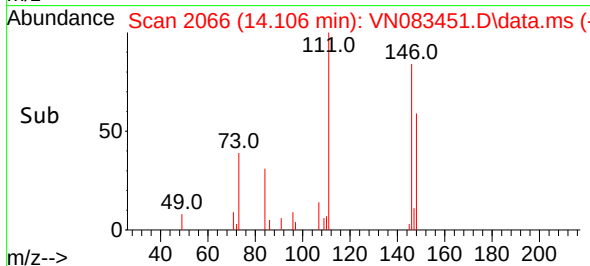
Instrument :
MSVOA_N
ClientSampleId :
VN0823WBS02



Tgt Ion:146 Resp: 6910
Ion Ratio Lower Upper
146 100
111 46.3 21.4 64.2
148 65.9 32.1 96.5

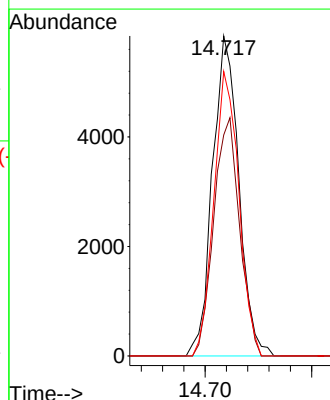
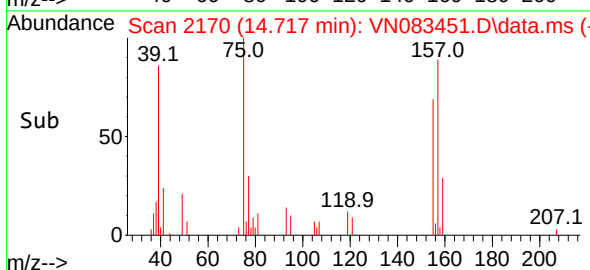
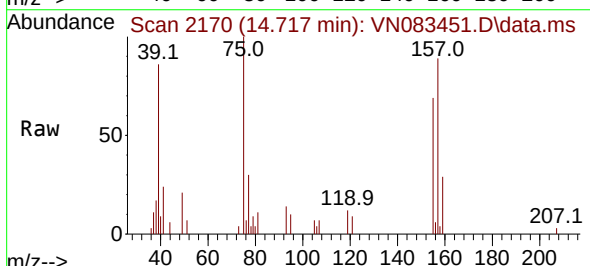
Manual Integrations
APPROVED

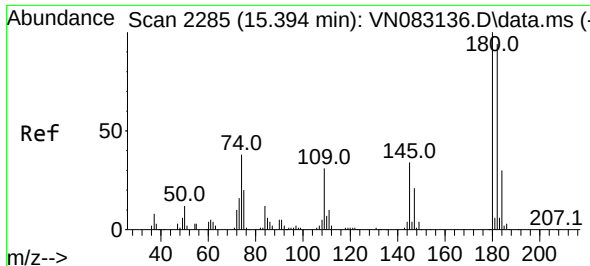
Reviewed By :John Carlone 08/26/2024
Supervised By :Semsettin Yesilyurt 08/26/2024



#92
1,2-Dibromo-3-Chloropropane
Concen: 16.707 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN083451.D
Acq: 23 Aug 2024 11:14

Tgt Ion: 75 Resp: 9999
Ion Ratio Lower Upper
75 100
155 73.6 36.6 109.8
157 84.7 46.9 140.6





#93

1,2,4-Trichlorobenzene

Concen: 17.137 ug/l

RT: 15.388 min Scan# 21

Delta R.T. -0.006 min

Lab File: VN083451.D

Acq: 23 Aug 2024 11:14

Instrument :

MSVOA_N

ClientSampleId :

VN0823WBS02

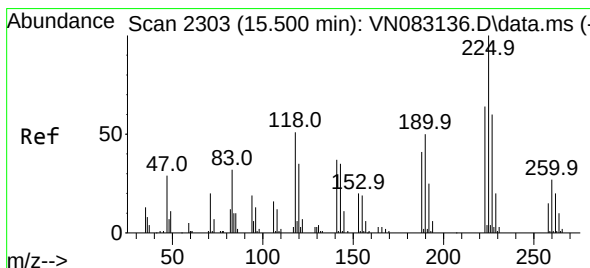
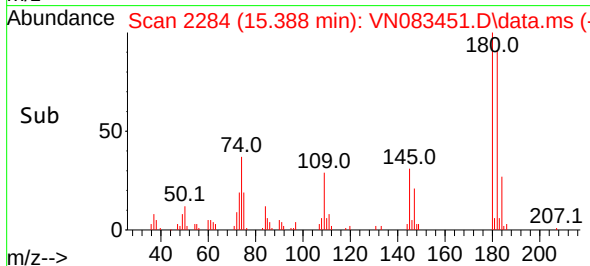
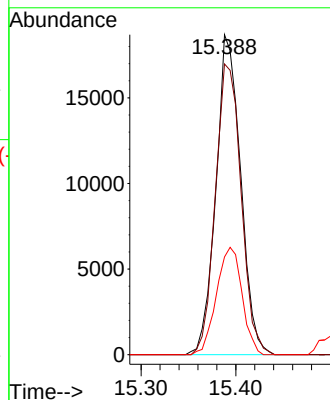
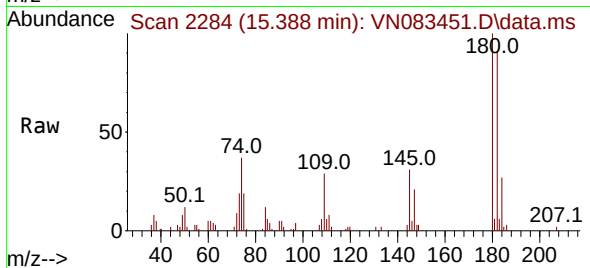
Tgt Ion:	180	Resp:	3386
Ion Ratio	Lower	Upper	
180	100		
182	94.6	47.3	141.8
145	34.7	15.7	47.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/26/2024

Supervised By :Semsettin Yesilyurt 08/26/2024



#94

Hexachlorobutadiene

Concen: 16.325 ug/l

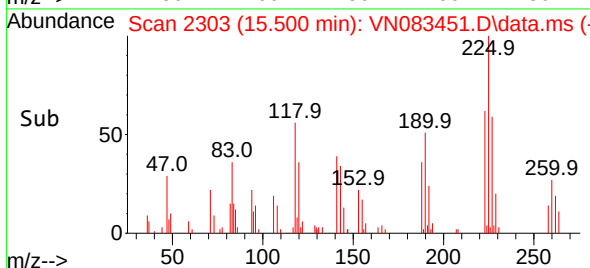
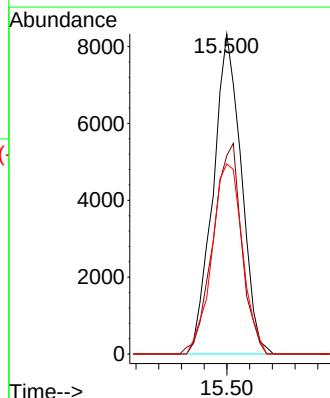
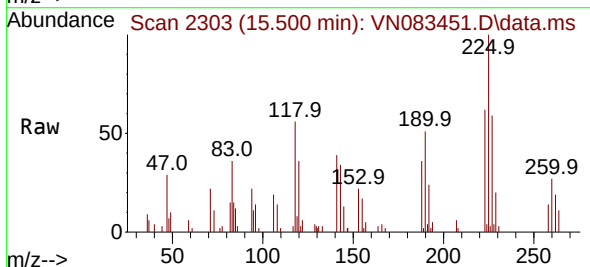
RT: 15.500 min Scan# 2303

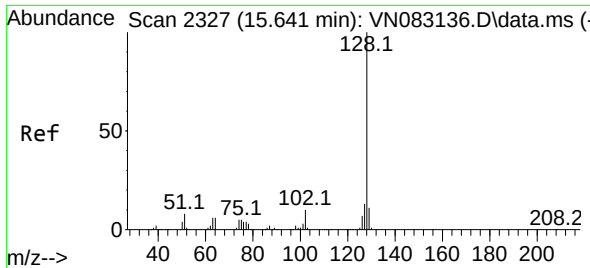
Delta R.T. 0.000 min

Lab File: VN083451.D

Acq: 23 Aug 2024 11:14

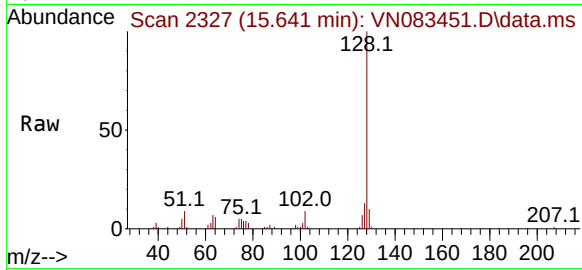
Tgt Ion:	225	Resp:	14347
Ion Ratio	Lower	Upper	
225	100		
223	66.9	31.9	95.7
227	64.5	32.5	97.5





#95
Naphthalene
Concen: 16.141 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.000 min
Lab File: VN083451.D
Acq: 23 Aug 2024 11:14

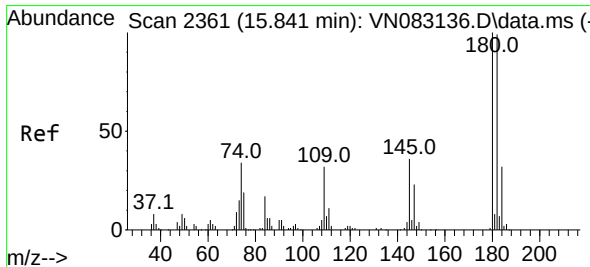
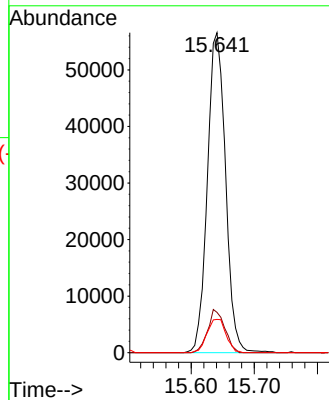
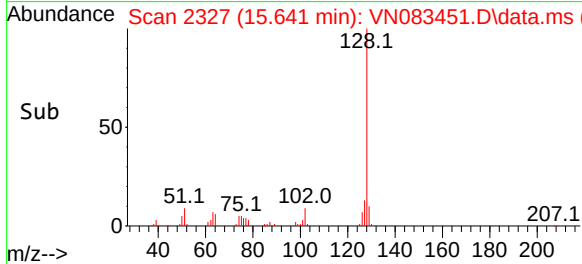
Instrument :
MSVOA_N
ClientSampleId :
VN0823WBS02



Tgt Ion:128 Resp: 11298
Ion Ratio Lower Upper
128 100
127 12.7 10.6 16.0
129 10.9 8.6 12.8

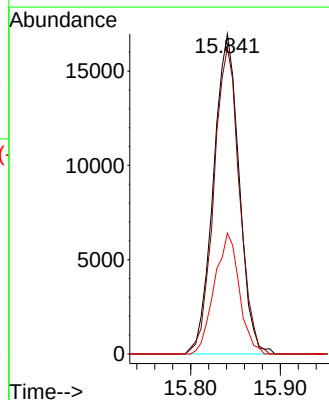
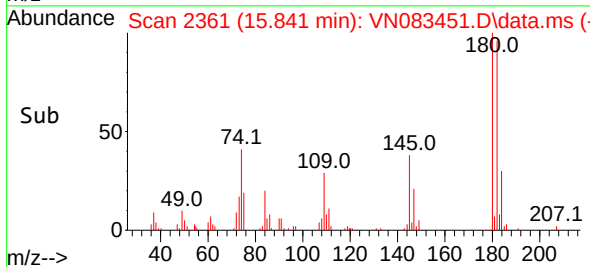
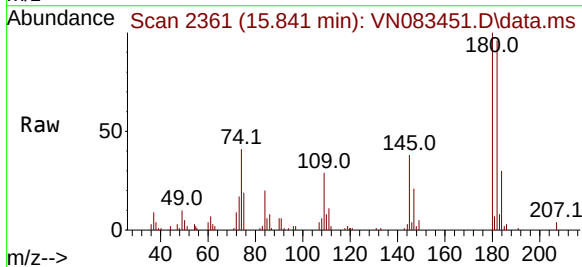
Manual Integrations
APPROVED

Reviewed By :John Carlone 08/26/2024
Supervised By :Semsettin Yesilyurt 08/26/2024



#96
1,2,3-Trichlorobenzene
Concen: 17.170 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.000 min
Lab File: VN083451.D
Acq: 23 Aug 2024 11:14

Tgt Ion:180 Resp: 33573
Ion Ratio Lower Upper
180 100
182 95.4 48.9 146.8
145 36.6 16.8 50.4



Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	NYSDEC Andrews St Site #E828144	Date Received:	
Client Sample ID:	VN0826WBS02	SDG No.:	P3716
Lab Sample ID:	VN0826WBS02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
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
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN083476.D	1		08/26/24 12:31	VN082624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	17.3		0.21	1.00	ug/L
74-87-3	Chloromethane	19.1		0.35	1.00	ug/L
75-01-4	Vinyl Chloride	20.0		0.34	1.00	ug/L
74-83-9	Bromomethane	17.5		1.40	5.00	ug/L
75-00-3	Chloroethane	24.5		0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	21.3		0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	21.0		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	19.7		0.26	1.00	ug/L
67-64-1	Acetone	98.7		1.40	5.00	ug/L
75-15-0	Carbon Disulfide	17.6		0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	21.4		0.16	1.00	ug/L
79-20-9	Methyl Acetate	20.7		0.60	1.00	ug/L
75-09-2	Methylene Chloride	20.0		0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	19.1		0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	21.8		0.23	1.00	ug/L
110-82-7	Cyclohexane	19.2		1.60	5.00	ug/L
78-93-3	2-Butanone	100		1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	21.7		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	21.0		0.25	1.00	ug/L
74-97-5	Bromochloromethane	22.7		0.18	1.00	ug/L
67-66-3	Chloroform	22.0		0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	21.1		0.19	1.00	ug/L
108-87-2	Methylcyclohexane	19.5		0.19	1.00	ug/L
71-43-2	Benzene	21.7		0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	23.2		0.24	1.00	ug/L
79-01-6	Trichloroethene	20.7		0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	22.2		0.19	1.00	ug/L
75-27-4	Bromodichloromethane	21.7		0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	110		0.75	5.00	ug/L
108-88-3	Toluene	21.6		0.18	1.00	ug/L

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	NYSDEC Andrews St Site #E828144	Date Received:	
Client Sample ID:	VN0826WBS02	SDG No.:	P3716
Lab Sample ID:	VN0826WBS02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
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
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN083476.D	1		08/26/24 12:31	VN082624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	21.3		0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	21.3		0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	22.9		0.21	1.00	ug/L
591-78-6	2-Hexanone	100		1.10	5.00	ug/L
124-48-1	Dibromochloromethane	21.2		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	21.7		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	20.3		0.25	1.00	ug/L
108-90-7	Chlorobenzene	20.7		0.13	1.00	ug/L
100-41-4	Ethyl Benzene	20.0		0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	39.8		0.31	2.00	ug/L
95-47-6	o-Xylene	19.7		0.14	1.00	ug/L
100-42-5	Styrene	19.5		0.16	1.00	ug/L
75-25-2	Bromoform	20.3		0.21	1.00	ug/L
98-82-8	Isopropylbenzene	17.7		0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	19.9		0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	18.6		0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	18.4		0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.6		0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	17.1		0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	17.2		0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	17.2		0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	59.6		74 - 125	119%	SPK: 50
1868-53-7	Dibromofluoromethane	57.7		75 - 124	115%	SPK: 50
2037-26-5	Toluene-d8	54.6		86 - 113	109%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.8		77 - 121	110%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	132000	8.224			
540-36-3	1,4-Difluorobenzene	224000	9.1			
3114-55-4	Chlorobenzene-d5	200000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	104000	13.788			

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	NYSDEC Andrews St Site #E828144	Date Received:	
Client Sample ID:	VN0826WBS02	SDG No.:	P3716
Lab Sample ID:	VN0826WBS02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5	Units:	mL
Soil Aliquot Vol:			uL
GC Column:	RXI-624	ID :	0.25
Prep Method :		Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN083476.D	1		08/26/24 12:31	VN082624

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\VN082624\
 Data File : VN083476.D
 Acq On : 26 Aug 2024 12:31
 Operator : JC\MD
 Sample : VN0826WBS02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0826WBS02

Quant Time: Aug 27 01:53:05 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 08 06:30:41 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 08/27/2024
 Supervised By : Mahesh Dadoda 08/27/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	132137	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	223910	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	199889	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	103520	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	112002	59.550	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 119.100%			
35) Dibromofluoromethane	8.165	113	80631	57.693	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 115.380%			
50) Toluene-d8	10.565	98	284798	54.628	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 109.260%			
62) 4-Bromofluorobenzene	12.847	95	111323	54.772	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 109.540%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	25862	17.259	ug/l	99
3) Chloromethane	2.360	50	29349	19.131	ug/l	100
4) Vinyl Chloride	2.512	62	31267	19.974	ug/l	91
5) Bromomethane	2.901	94	17002	17.504	ug/l	100
6) Chloroethane	3.065	64	23954	24.459	ug/l	99
7) Trichlorofluoromethane	3.465	101	55072	21.296	ug/l	97
8) Diethyl Ether	3.959	74	20353	21.151	ug/l	89
9) 1,1,2-Trichlorotrifluo...	4.354	101	29991	21.035	ug/l	97
10) Methyl Iodide	4.577	142	39316	20.963	ug/l	97
11) Tert butyl alcohol	5.542	59	37602	96.201	ug/l	97
12) 1,1-Dichloroethene	4.324	96	28901	19.731	ug/l	81
13) Acrolein	4.171	56	25685	100.826	ug/l	97
14) Allyl chloride	5.012	41	52285	18.889	ug/l	92
15) Acrylonitrile	5.718	53	85035	105.781	ug/l	99
16) Acetone	4.430	43	72651	98.716	ug/l	98
17) Carbon Disulfide	4.701	76	75235	17.554	ug/l	99
18) Methyl Acetate	5.024	43	45347	20.681	ug/l	91
19) Methyl tert-butyl Ether	5.800	73	113004	21.374	ug/l	97
20) Methylene Chloride	5.271	84	33938	20.037	ug/l	87
21) trans-1,2-Dichloroethene	5.783	96	28907	19.094	ug/l	99
22) Diisopropyl ether	6.677	45	113406	21.796	ug/l	95
23) Vinyl Acetate	6.600	43	589202	110.479	ug/l	96
24) 1,1-Dichloroethane	6.565	63	61725	21.764	ug/l	98
25) 2-Butanone	7.489	43	113444	100.389	ug/l	91
26) 2,2-Dichloropropane	7.489	77	54120	20.548	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	38387	21.013	ug/l	93
28) Bromochloromethane	7.818	49	26343	22.729	ug/l	86
29) Tetrahydrofuran	7.842	42	76344	104.509	ug/l	89
30) Chloroform	7.965	83	64801	21.993	ug/l	95
31) Cyclohexane	8.253	56	53646	19.247	ug/l	96
32) 1,1,1-Trichloroethane	8.165	97	58912	21.123	ug/l	96
36) 1,1-Dichloropropene	8.371	75	42979	20.329	ug/l	98
37) Ethyl Acetate	7.565	43	46963	19.839	ug/l #	93
38) Carbon Tetrachloride	8.365	117	51588	21.664	ug/l	95
39) Methylcyclohexane	9.600	83	50664	19.510	ug/l	95
40) Benzene	8.606	78	136784	21.718	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082624\
 Data File : VN083476.D
 Acq On : 26 Aug 2024 12:31
 Operator : JC\MD
 Sample : VN0826WBS02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0826WBS02

Manual Integrations APPROVED

Reviewed By : John Carlone 08/27/2024
 Supervised By : Mahesh Dadoda 08/27/2024

Quant Time: Aug 27 01:53:05 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 08 06:30:41 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	26594	19.759	ug/l	96
42) 1,2-Dichloroethane	8.671	62	53206	23.190	ug/l	99
43) Isopropyl Acetate	8.689	43	80915	18.285	ug/l #	92
44) Trichloroethene	9.347	130	31063	20.721	ug/l	98
45) 1,2-Dichloropropane	9.618	63	33161	22.181	ug/l	94
46) Dibromomethane	9.706	93	24059	22.483	ug/l	98
47) Bromodichloromethane	9.888	83	52204	21.727	ug/l	98
48) Methyl methacrylate	9.683	41	39123	19.991	ug/l	92
49) 1,4-Dioxane	9.694	88	14290	404.733	ug/l	93
51) 4-Methyl-2-Pentanone	10.447	43	239022	106.778	ug/l	94
52) Toluene	10.630	92	85917	21.590	ug/l	96
53) t-1,3-Dichloropropene	10.835	75	52685	21.346	ug/l	96
54) cis-1,3-Dichloropropene	10.312	75	55921	21.302	ug/l	91
55) 1,1,2-Trichloroethane	11.018	97	32696	22.927	ug/l	98
56) Ethyl methacrylate	10.877	69	54094	20.121	ug/l	87
57) 1,3-Dichloropropane	11.165	76	57273	22.531	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	102570	90.257	ug/l	96
59) 2-Hexanone	11.194	43	175774	101.499	ug/l	94
60) Dibromochloromethane	11.359	129	36635	21.247	ug/l	97
61) 1,2-Dibromoethane	11.471	107	32478	21.679	ug/l	98
64) Tetrachloroethene	11.106	164	26911	20.328	ug/l	98
65) Chlorobenzene	11.894	112	91364	20.683	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	32924	21.134	ug/l	100
67) Ethyl Benzene	11.965	91	162264	20.024	ug/l	99
68) m/p-Xylenes	12.071	106	120779	39.789	ug/l	97
69) o-Xylene	12.400	106	59098	19.740	ug/l	98
70) Styrene	12.412	104	98164	19.523	ug/l	97
71) Bromoform	12.582	173	24015	20.348	ug/l #	99
73) Isopropylbenzene	12.694	105	153324	17.708	ug/l	100
74) N-amyl acetate	12.494	43	70127	16.558	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.935	83	48627	19.856	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	43576m	19.180	ug/l	
77) Bromobenzene	12.976	156	35307	18.356	ug/l	93
78) n-propylbenzene	13.035	91	175079	17.560	ug/l	99
79) 2-Chlorotoluene	13.124	91	115386	18.254	ug/l	96
80) 1,3,5-Trimethylbenzene	13.171	105	130924	18.061	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.741	75	16075	15.390	ug/l	98
82) 4-Chlorotoluene	13.224	91	113884	17.961	ug/l	96
83) tert-Butylbenzene	13.441	119	112027	17.450	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	132558	18.145	ug/l	100
85) sec-Butylbenzene	13.618	105	153116	17.480	ug/l	99
86) p-Isopropyltoluene	13.729	119	125923	17.410	ug/l	96
87) 1,3-Dichlorobenzene	13.735	146	67273	18.588	ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	67010	18.365	ug/l	97
89) n-Butylbenzene	14.053	91	106514	16.996	ug/l	98
90) Hexachloroethane	14.335	117	24991	17.885	ug/l	94
91) 1,2-Dichlorobenzene	14.106	146	68781	19.639	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.718	75	10151	17.082	ug/l	95
93) 1,2,4-Trichlorobenzene	15.394	180	33681	17.166	ug/l	98
94) Hexachlorobutadiene	15.500	225	15000	17.190	ug/l	99
95) Naphthalene	15.641	128	113666	16.354	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	33392	17.199	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082624\
Data File : VN083476.D
Acq On : 26 Aug 2024 12:31
Operator : JC\MD
Sample : VN0826WBS02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 27 01:53:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 08 06:30:41 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0826WBS02

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/27/2024
Supervised By :Mahesh Dadoda 08/27/2024

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

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

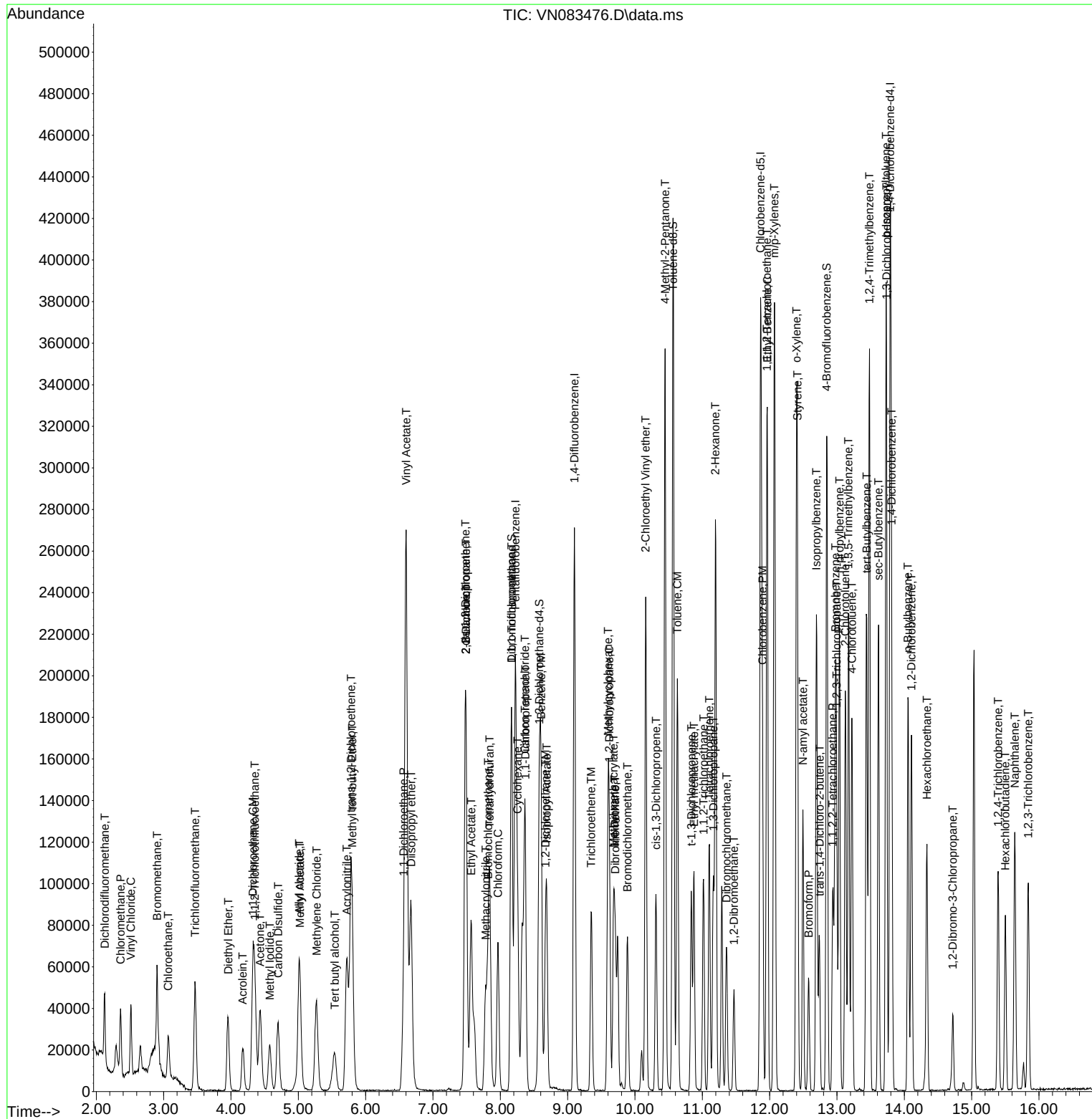
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Data File : VN083476.D
Acq On : 26 Aug 2024 12:31
Operator : JC\MD
Sample : VN0826WBS02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

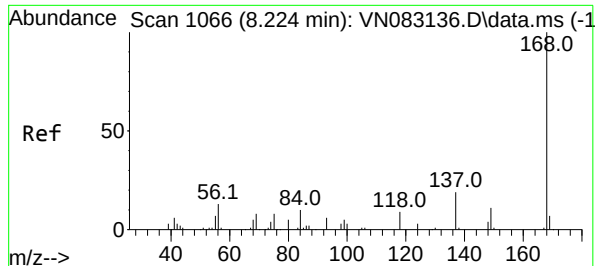
Instrument :
MSVOA_N
ClientSampleId :
VN0826WBS02

Manual Integrations

Reviewed By :John Carlone 08/27/2024
Supervised By :Mahesh Dadoda 08/27/2024

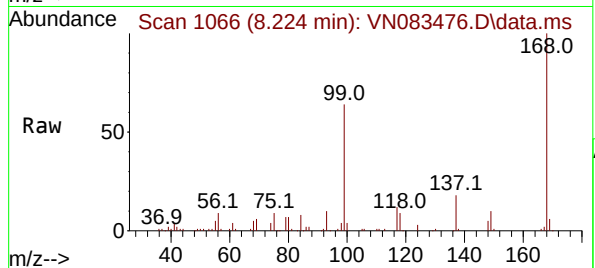
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 08 06:30:41 2024
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083476.D
Acq: 26 Aug 2024 12:31

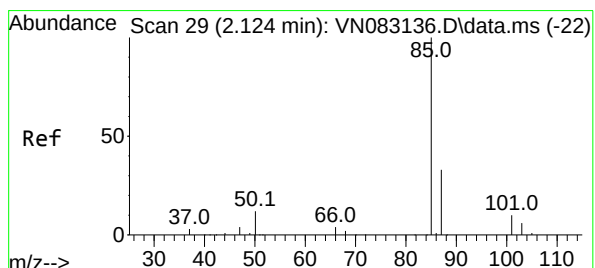
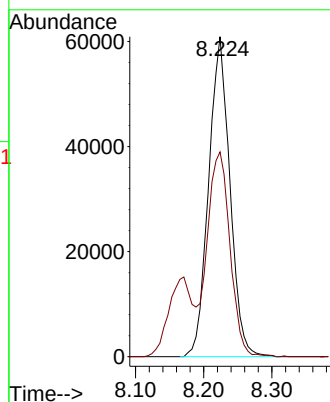
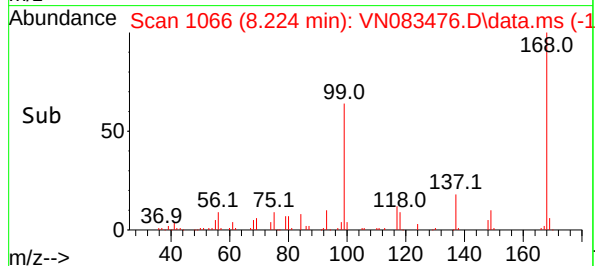
Instrument :
MSVOA_N
ClientSampleId :
VN0826WBS02



Tgt Ion:168 Resp: 13213
Ion Ratio Lower Upper
168 100
99 64.0 48.2 72.4

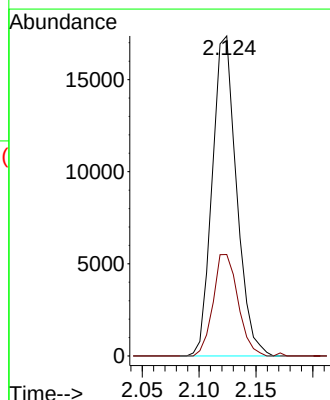
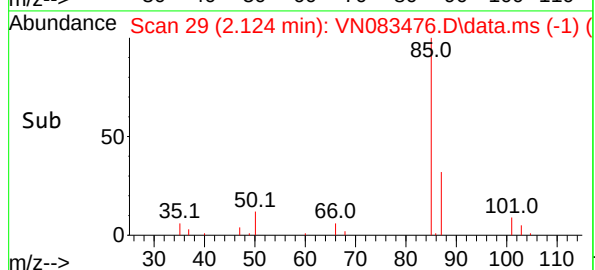
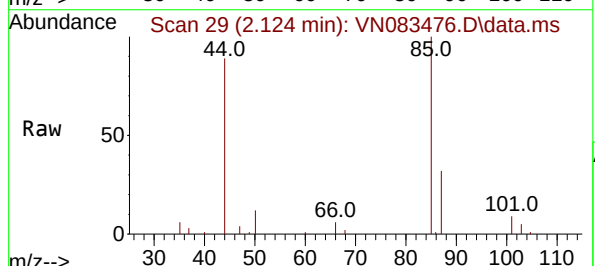
Manual Integrations
APPROVED

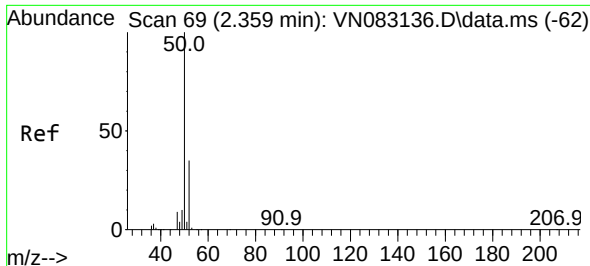
Reviewed By :John Carlone 08/27/2024
Supervised By :Mahesh Dadoda 08/27/2024



#2
Dichlorodifluoromethane
Concen: 17.259 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN083476.D
Acq: 26 Aug 2024 12:31

Tgt Ion: 85 Resp: 25862
Ion Ratio Lower Upper
85 100
87 31.7 15.7 47.0





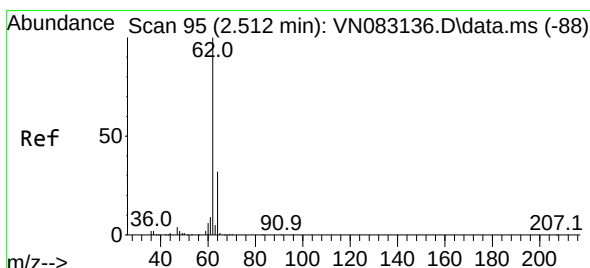
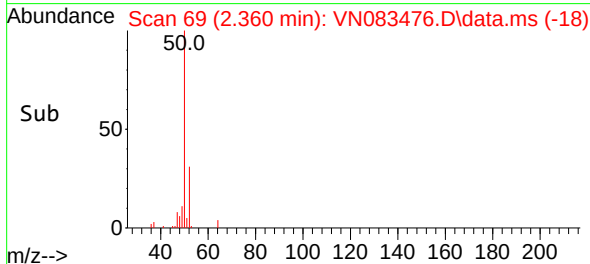
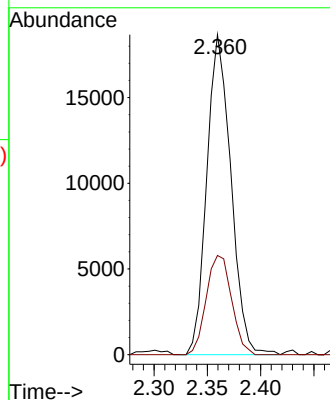
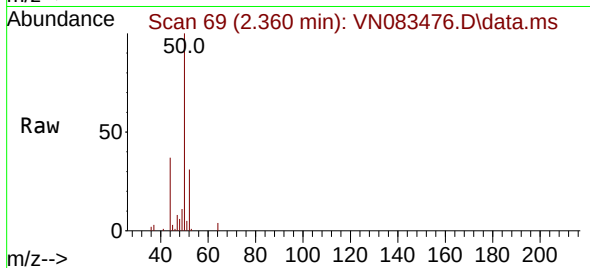
#3
Chloromethane
Concen: 19.131 ug/l
RT: 2.360 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN083476.D
Acq: 26 Aug 2024 12:31

Instrument :
MSVOA_N
ClientSampleId :
VN0826WBS02

Tgt Ion: 50 Resp: 29349
Ion Ratio Lower Upper
50 100
52 31.0 25.0 37.4

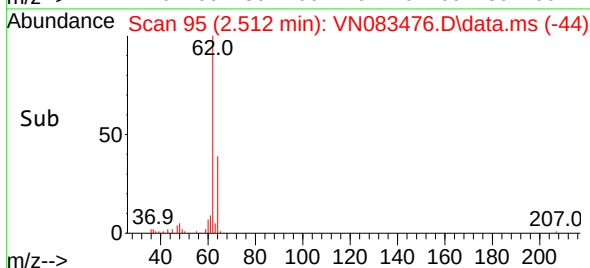
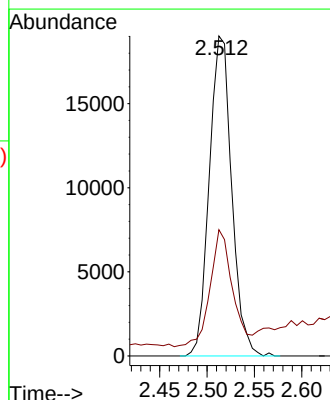
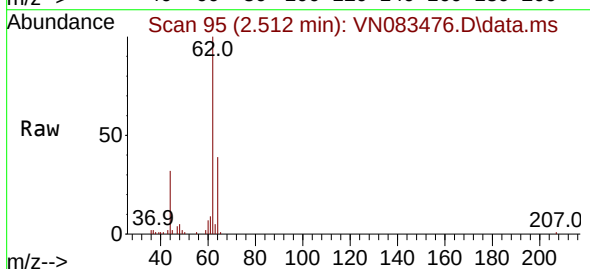
Manual Integrations
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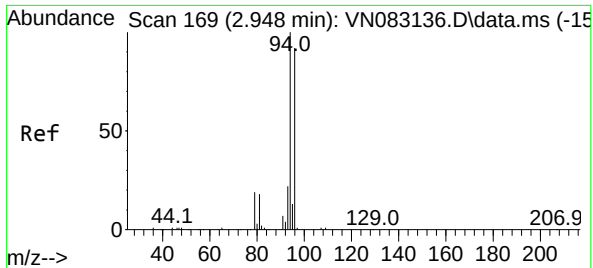
Reviewed By :John Carlone 08/27/2024
Supervised By :Mahesh Dadoda 08/27/2024



#4
Vinyl Chloride
Concen: 19.974 ug/l
RT: 2.512 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN083476.D
Acq: 26 Aug 2024 12:31

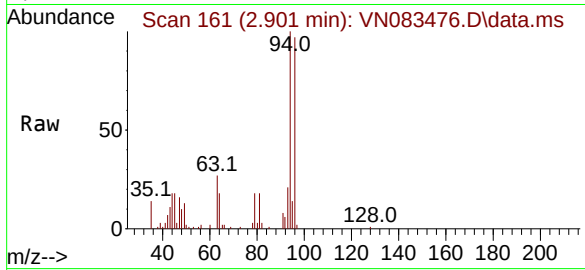
Tgt Ion: 62 Resp: 31267
Ion Ratio Lower Upper
62 100
64 36.2 25.0 37.6





#5
Bromomethane
Concen: 17.504 ug/l
RT: 2.901 min Scan# 110
Delta R.T. -0.047 min
Lab File: VN083476.D
Acq: 26 Aug 2024 12:31

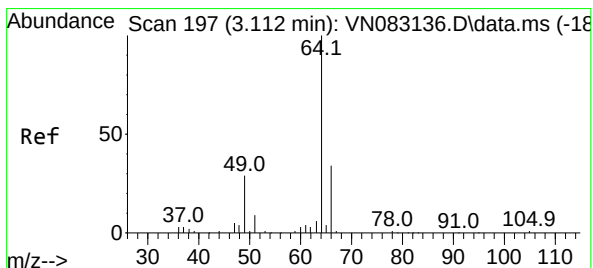
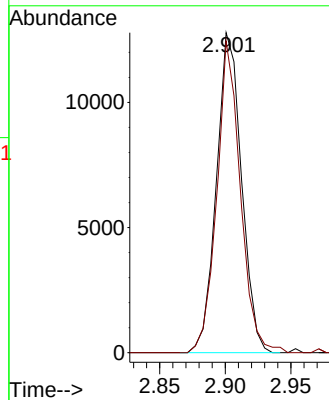
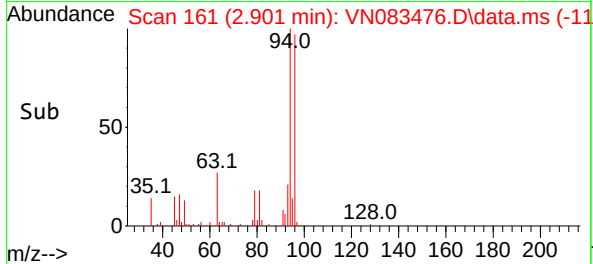
Instrument :
MSVOA_N
ClientSampleId :
VN0826WBS02



Tgt Ion: 94 Resp: 1700
Ion Ratio Lower Upper
94 100
96 97.3 78.0 117.0

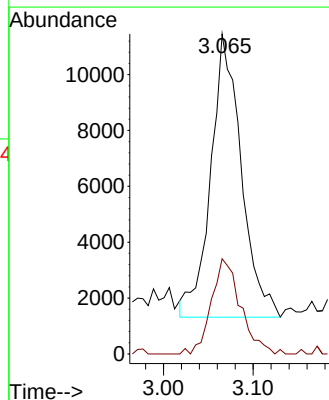
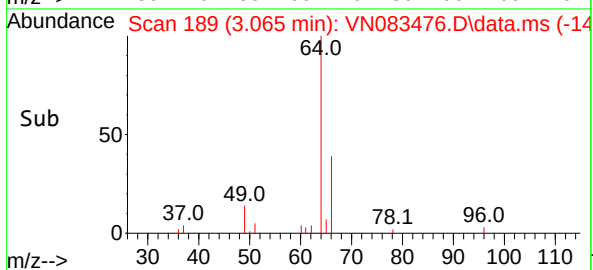
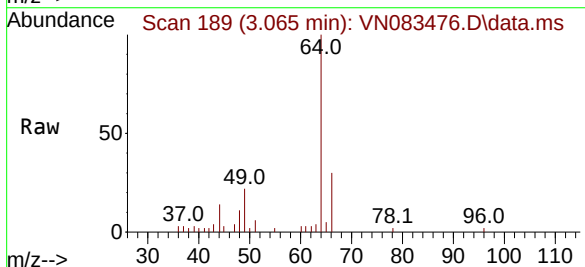
Manual Integrations
APPROVED

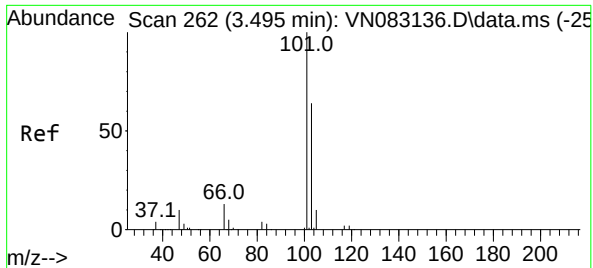
Reviewed By :John Carlone 08/27/2024
Supervised By :Mahesh Dadoda 08/27/2024



#6
Chloroethane
Concen: 24.459 ug/l
RT: 3.065 min Scan# 189
Delta R.T. -0.047 min
Lab File: VN083476.D
Acq: 26 Aug 2024 12:31

Tgt Ion: 64 Resp: 23954
Ion Ratio Lower Upper
64 100
66 33.6 26.6 40.0





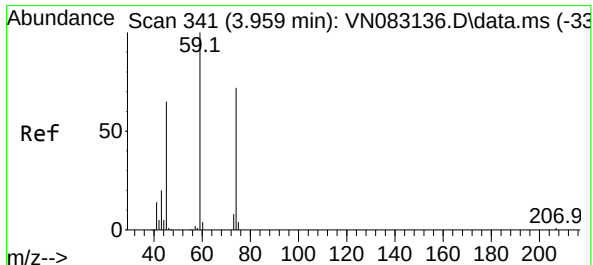
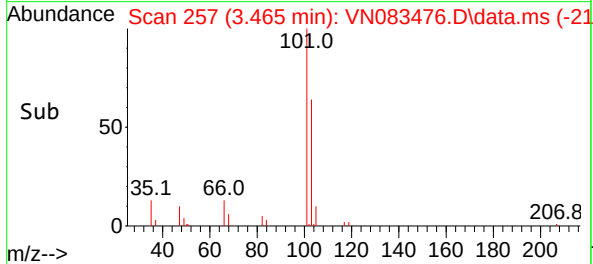
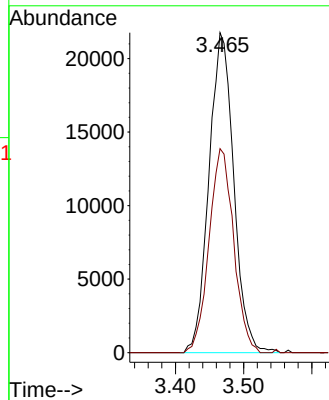
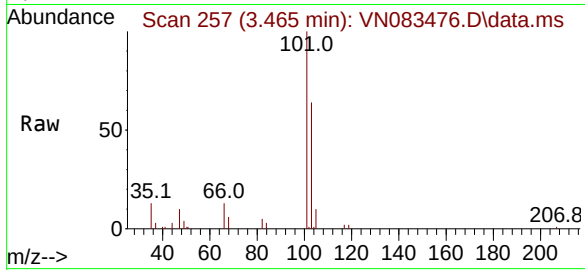
#7
Trichlorofluoromethane
Concen: 21.296 ug/l
RT: 3.465 min Scan# 21
Delta R.T. -0.030 min
Lab File: VN083476.D
Acq: 26 Aug 2024 12:31

Instrument :
MSVOA_N
ClientSampleId :
VN0826WBS02

Tgt Ion:101 Resp: 55072
Ion Ratio Lower Upper
101 100
103 63.7 52.7 79.1

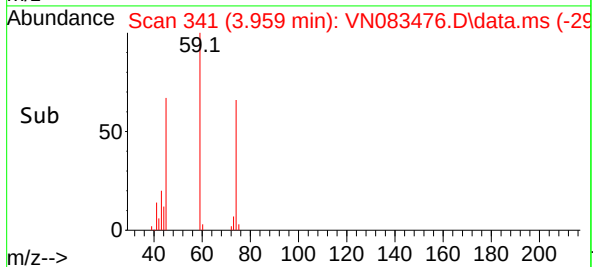
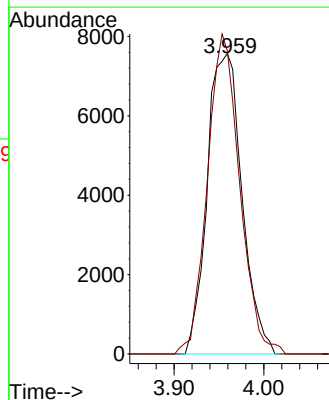
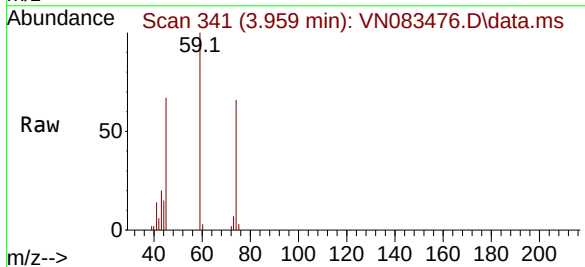
Manual Integrations
APPROVED

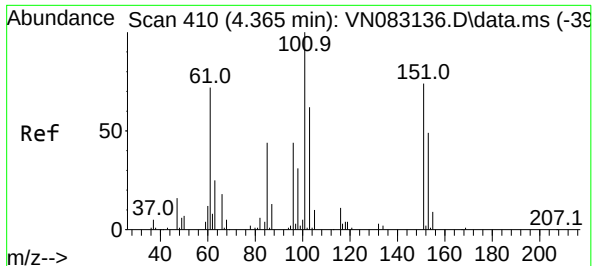
Reviewed By :John Carlone 08/27/2024
Supervised By :Mahesh Dadoda 08/27/2024



#8
Diethyl Ether
Concen: 21.151 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.000 min
Lab File: VN083476.D
Acq: 26 Aug 2024 12:31

Tgt Ion: 74 Resp: 20353
Ion Ratio Lower Upper
74 100
45 99.1 55.5 166.3





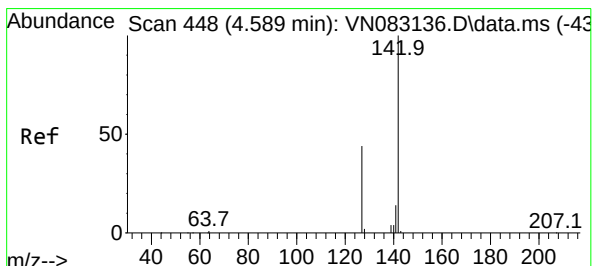
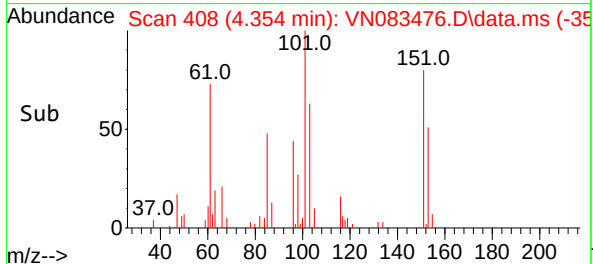
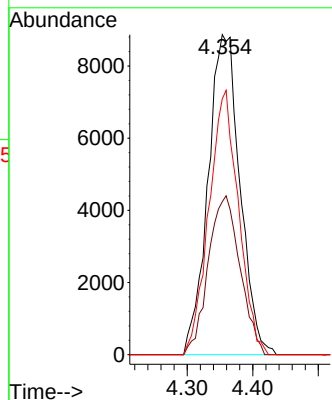
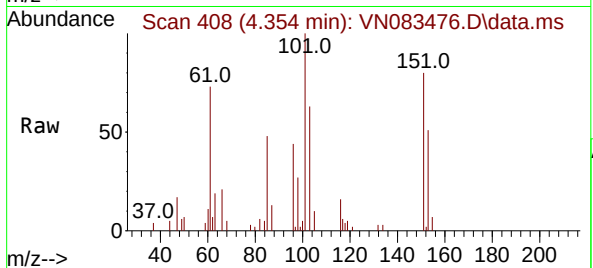
#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.035 ug/l
RT: 4.354 min Scan# 408
Delta R.T. -0.012 min
Lab File: VN083476.D
Acq: 26 Aug 2024 12:31

Instrument :
MSVOA_N
ClientSampleId :
VN0826WBS02

Tgt Ion	Ratio	Lower	Upper
101	100		
85	49.3	38.3	57.5
151	76.6	59.3	88.9

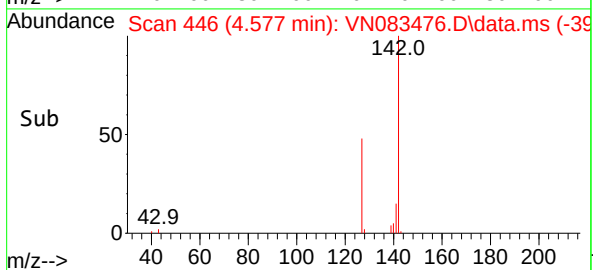
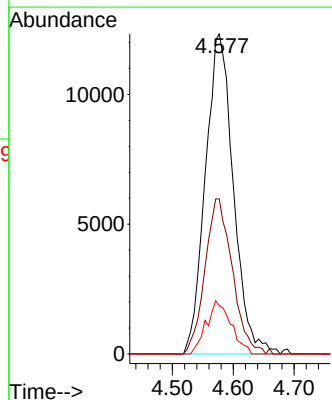
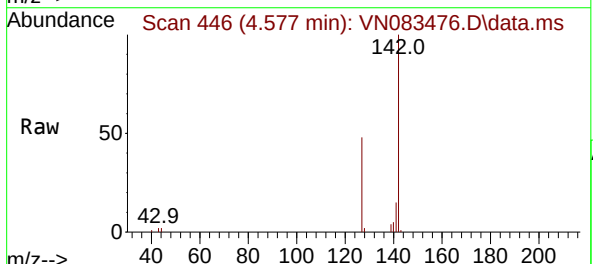
Manual Integrations
APPROVED

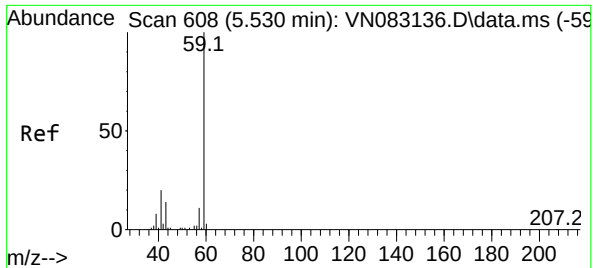
Reviewed By :John Carlone 08/27/2024
Supervised By :Mahesh Dadoda 08/27/2024



#10
Methyl Iodide
Concen: 20.963 ug/l
RT: 4.577 min Scan# 446
Delta R.T. -0.012 min
Lab File: VN083476.D
Acq: 26 Aug 2024 12:31

Tgt Ion	Ratio	Lower	Upper
142	100		
127	48.5	37.5	56.3
141	15.1	13.1	19.7





#11

Tert butyl alcohol

Concen: 96.201 ug/l

RT: 5.542 min Scan# 610

Delta R.T. 0.012 min

Lab File: VN083476.D

Acq: 26 Aug 2024 12:31

Instrument :

MSVOA_N

ClientSampleId :

VN0826WBS02

Tgt Ion: 59 Resp: 3760

Ion Ratio Lower Upper

59 100

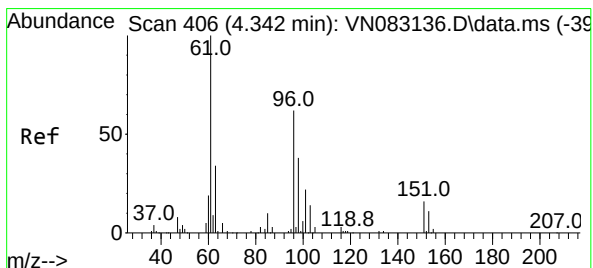
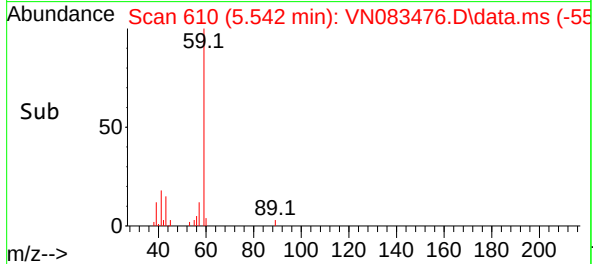
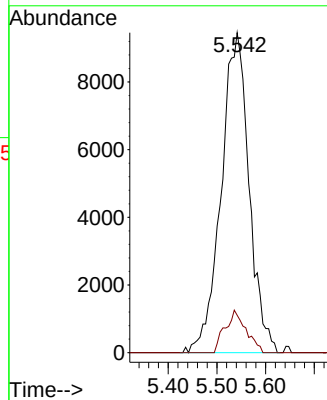
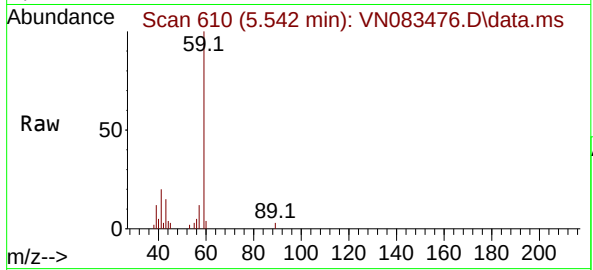
57 10.0 8.9 13.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/27/2024

Supervised By :Mahesh Dadoda 08/27/2024



#12

1,1-Dichloroethene

Concen: 19.731 ug/l

RT: 4.324 min Scan# 403

Delta R.T. -0.017 min

Lab File: VN083476.D

Acq: 26 Aug 2024 12:31

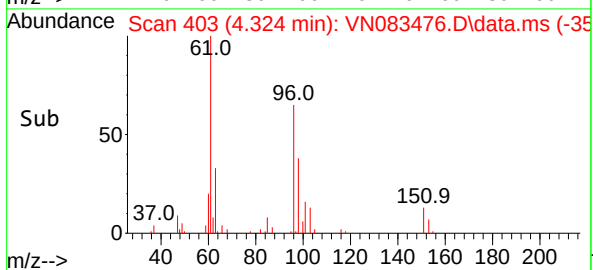
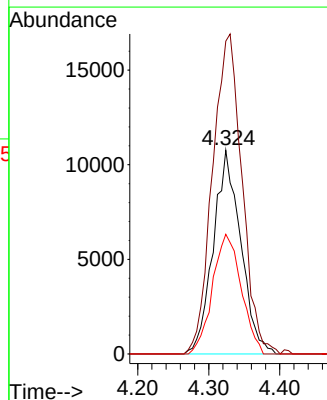
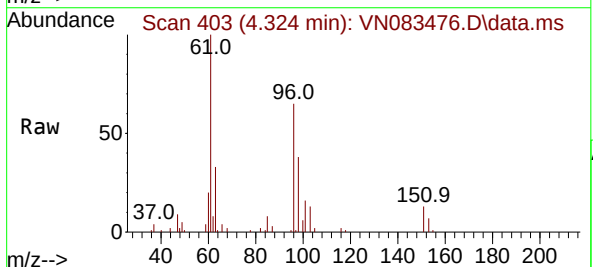
Tgt Ion: 96 Resp: 28901

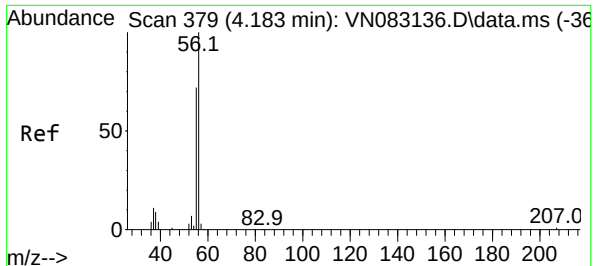
Ion Ratio Lower Upper

96 100

61 153.5 149.7 224.5

98 58.7 50.1 75.1





#13

Acrolein

Concen: 100.826 ug/l

RT: 4.171 min Scan# 31

Delta R.T. -0.012 min

Lab File: VN083476.D

Acq: 26 Aug 2024 12:31

Instrument :

MSVOA_N

ClientSampleId :

VN0826WBS02

Tgt Ion: 56 Resp: 2568

Ion Ratio Lower Upper

56 100

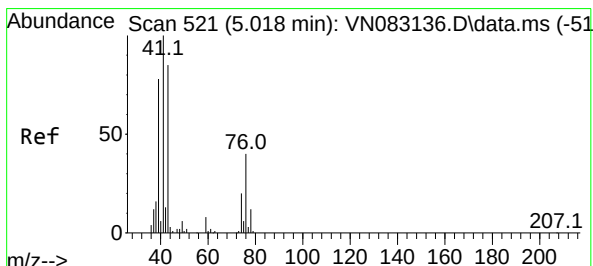
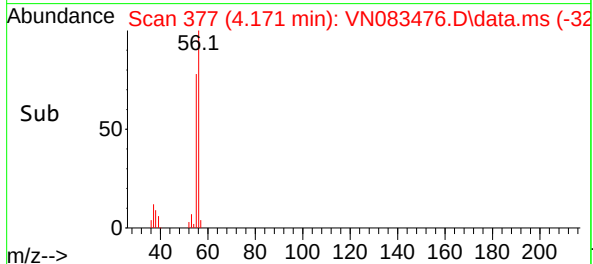
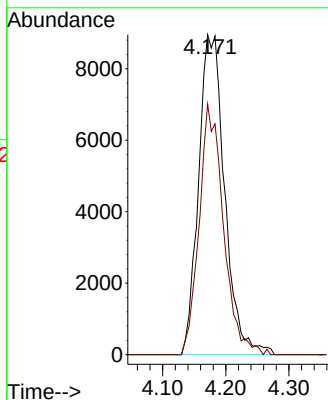
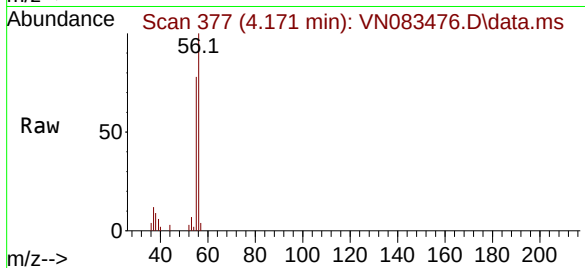
55 72.9 56.4 84.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/27/2024

Supervised By :Mahesh Dadoda 08/27/2024



#14

Allyl chloride

Concen: 18.889 ug/l

RT: 5.012 min Scan# 520

Delta R.T. -0.006 min

Lab File: VN083476.D

Acq: 26 Aug 2024 12:31

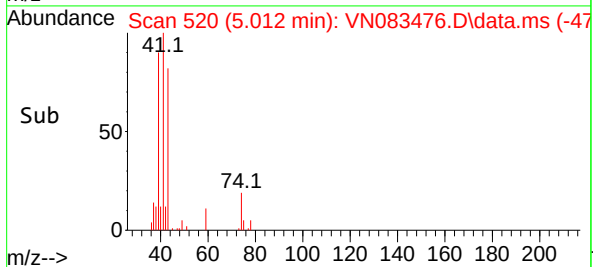
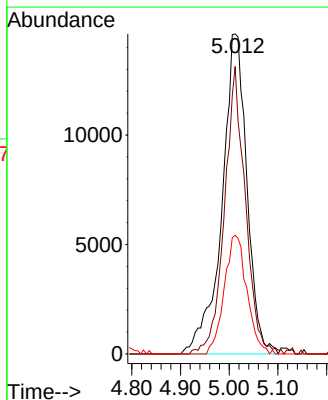
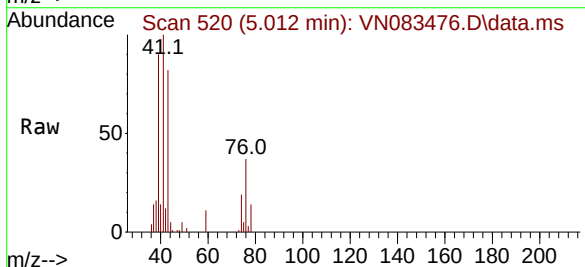
Tgt Ion: 41 Resp: 52285

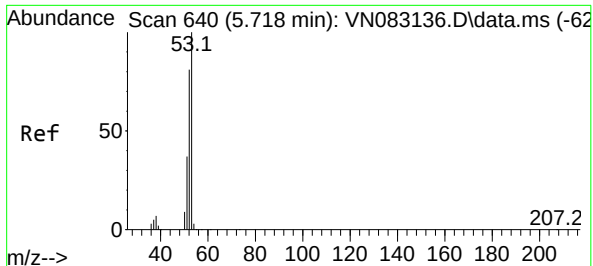
Ion Ratio Lower Upper

41 100

39 74.9 67.8 101.6

76 33.5 25.8 38.8





#15

Acrylonitrile

Concen: 105.781 ug/l

RT: 5.718 min Scan# 640

Delta R.T. 0.000 min

Lab File: VN083476.D

Acq: 26 Aug 2024 12:31

Instrument :

MSVOA_N

ClientSampleId :

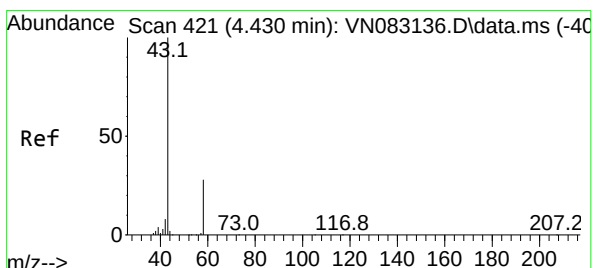
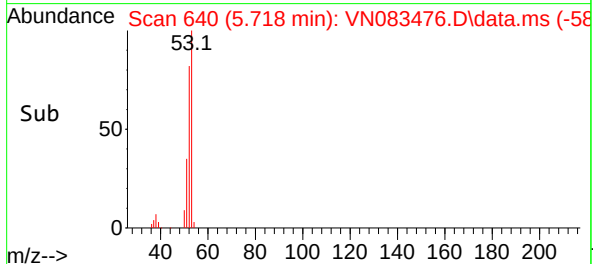
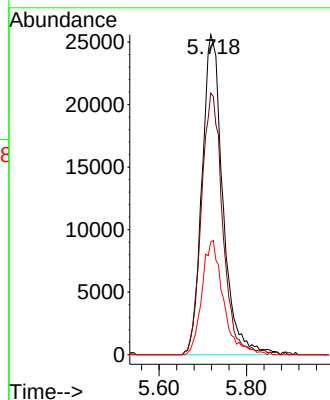
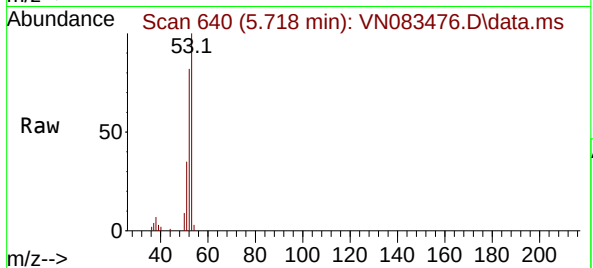
VN0826WBS02

Tgt Ion:	53	Resp:	8503
Ion	Ratio	Lower	Upper
53	100		
52	82.9	66.6	100.0
51	36.7	30.1	45.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/27/2024

Supervised By :Mahesh Dadoda 08/27/2024



#16

Acetone

Concen: 98.716 ug/l

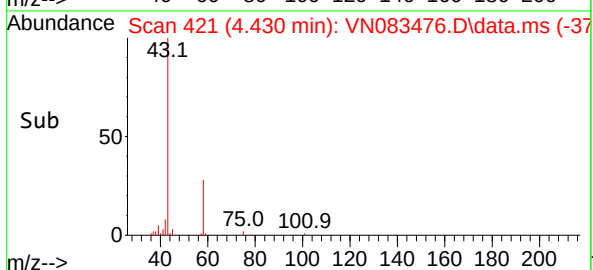
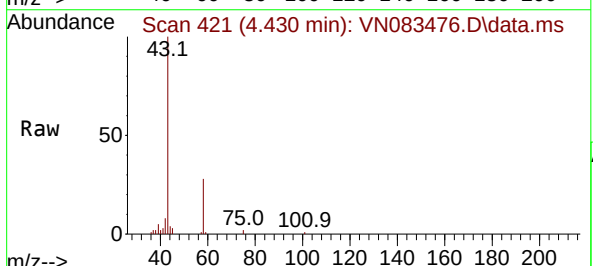
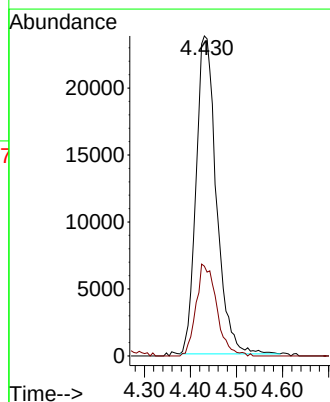
RT: 4.430 min Scan# 421

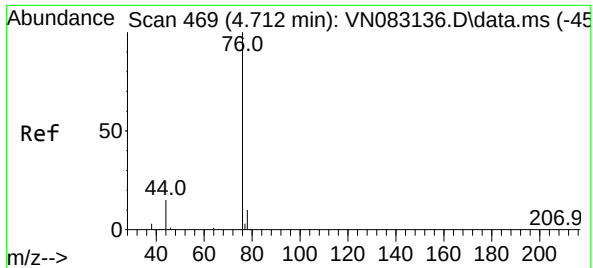
Delta R.T. 0.000 min

Lab File: VN083476.D

Acq: 26 Aug 2024 12:31

Tgt Ion:	43	Resp:	72651
Ion	Ratio	Lower	Upper
43	100		
58	28.3	21.8	32.6





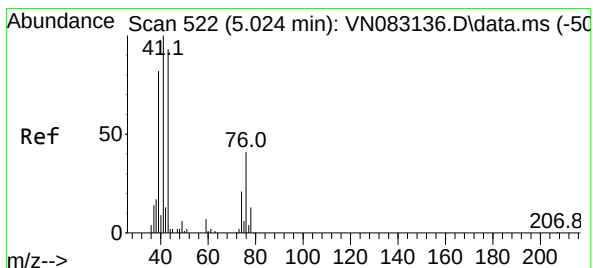
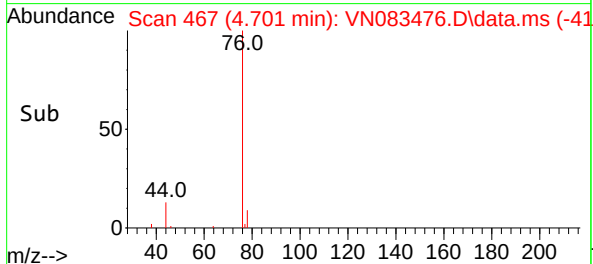
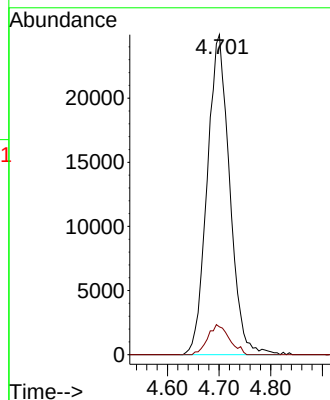
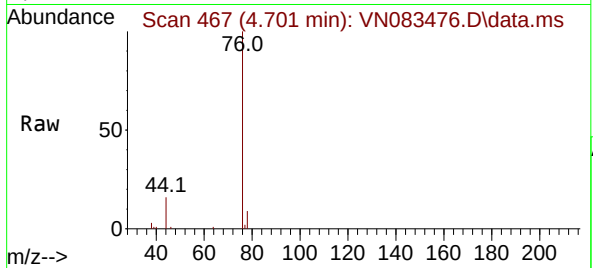
#17
Carbon Disulfide
Concen: 17.554 ug/l
RT: 4.701 min Scan# 467
Delta R.T. -0.012 min
Lab File: VN083476.D
Acq: 26 Aug 2024 12:31

Instrument :
MSVOA_N
ClientSampleId :
VN0826WBS02

Tgt Ion: 76 Resp: 7523
Ion Ratio Lower Upper
76 100
78 8.7 7.2 10.8

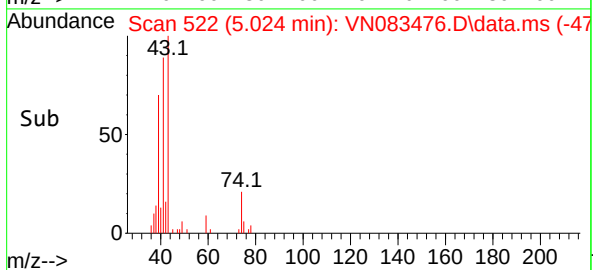
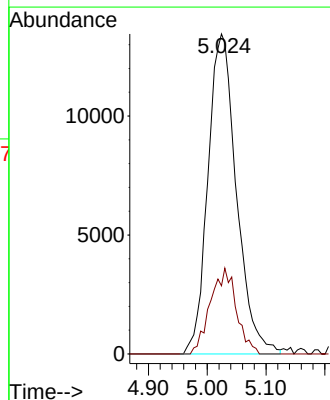
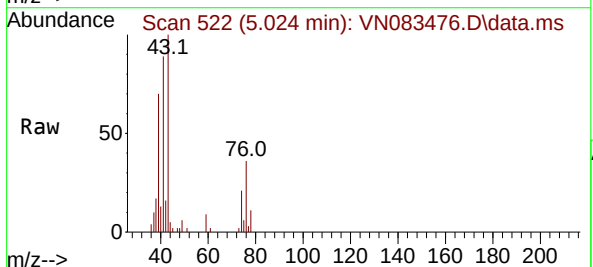
Manual Integrations
APPROVED

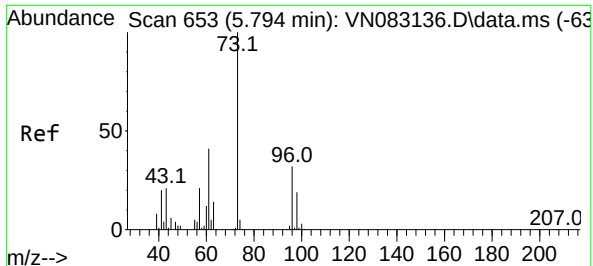
Reviewed By :John Carlone 08/27/2024
Supervised By :Mahesh Dadoda 08/27/2024



#18
Methyl Acetate
Concen: 20.681 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.000 min
Lab File: VN083476.D
Acq: 26 Aug 2024 12:31

Tgt Ion: 43 Resp: 45347
Ion Ratio Lower Upper
43 100
74 24.4 16.3 24.5





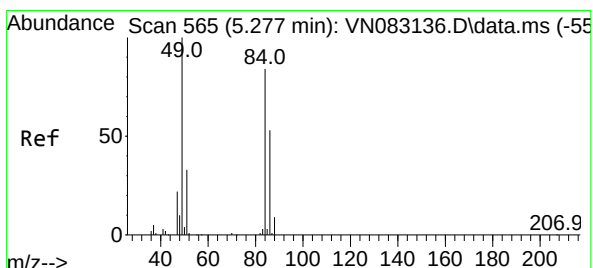
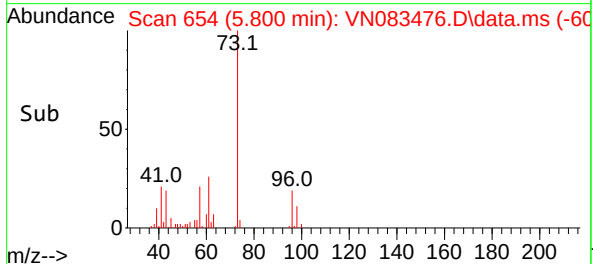
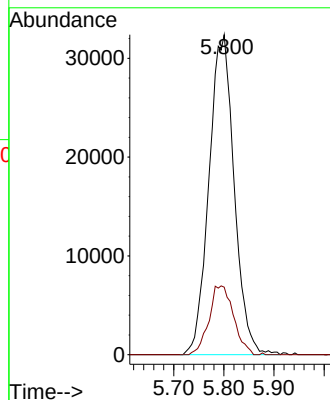
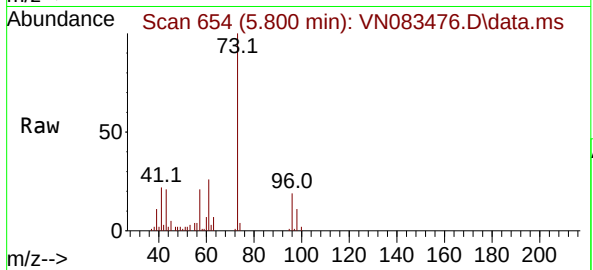
#19
Methyl tert-butyl Ether
Concen: 21.374 ug/l
RT: 5.800 min Scan# 61
Delta R.T. 0.006 min
Lab File: VN083476.D
Acq: 26 Aug 2024 12:31

Instrument :
MSVOA_N
Client Sample Id :
VN0826WBS02

Tgt Ion: 73 Resp: 113004
Ion Ratio Lower Upper
73 100
57 21.1 17.9 26.9

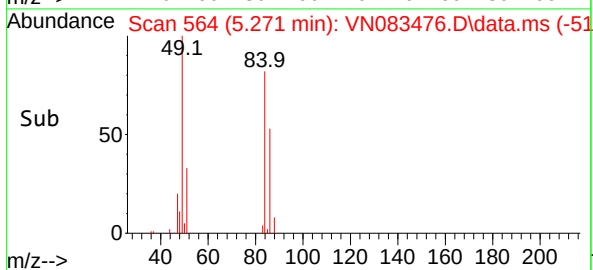
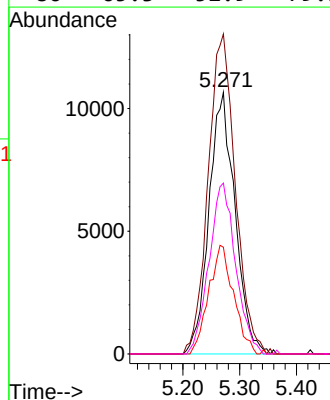
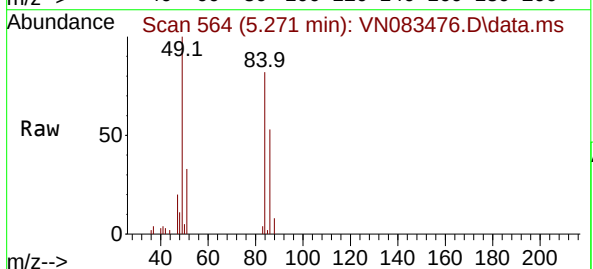
Manual Integrations
APPROVED

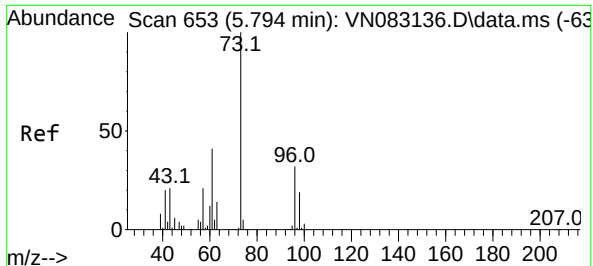
Reviewed By :John Carlone 08/27/2024
Supervised By :Mahesh Dadoda 08/27/2024



#20
Methylene Chloride
Concen: 20.037 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN083476.D
Acq: 26 Aug 2024 12:31

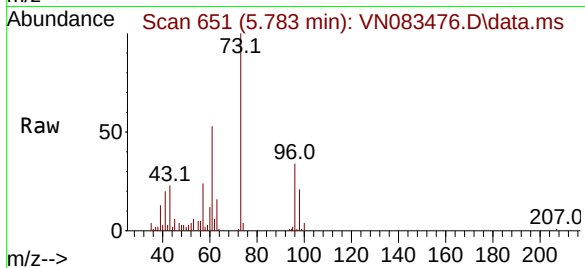
Tgt Ion: 84 Resp: 33938
Ion Ratio Lower Upper
84 100
49 122.3 119.6 179.4
51 40.8 34.8 52.2
86 65.3 52.9 79.3





#21
trans-1,2-Dichloroethene
Concen: 19.094 ug/l
RT: 5.783 min Scan# 61
Delta R.T. -0.012 min
Lab File: VN083476.D
Acq: 26 Aug 2024 12:31

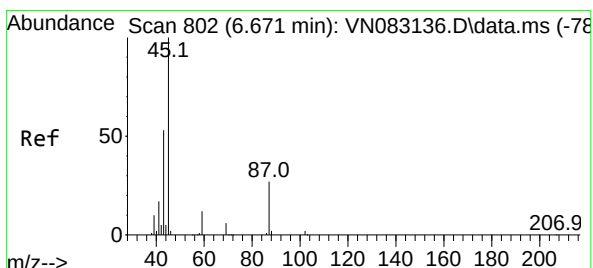
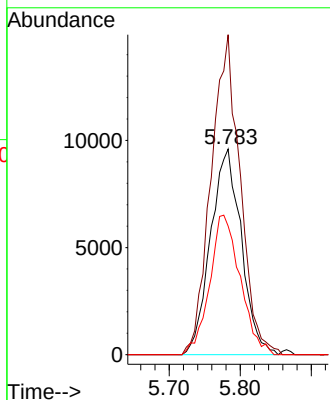
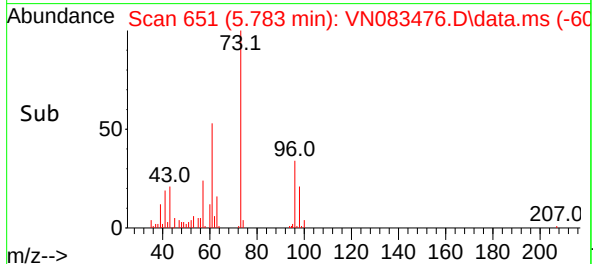
Instrument :
MSVOA_N
ClientSampleId :
VN0826WBS02



Tgt Ion: 96 Resp: 2890
Ion Ratio Lower Upper
96 100
61 155.6 123.4 185.2
98 62.5 49.3 73.9

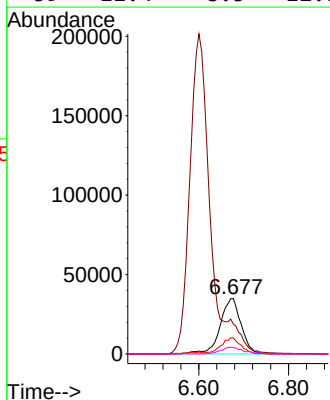
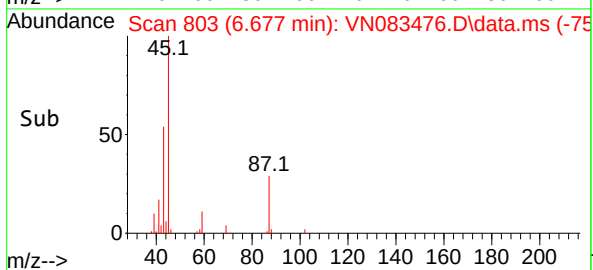
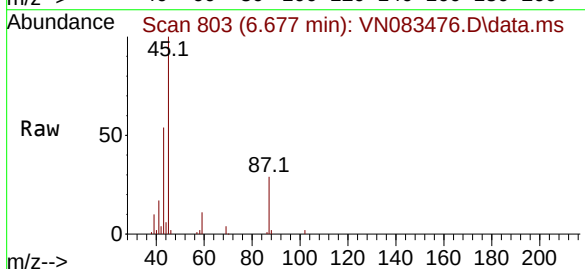
Manual Integrations
APPROVED

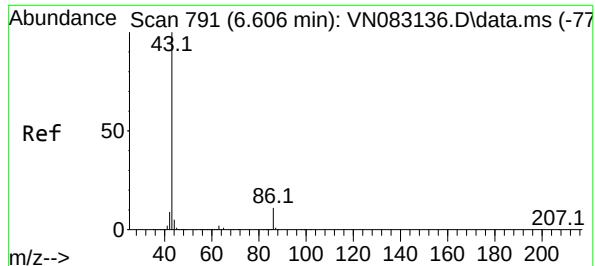
Reviewed By :John Carlone 08/27/2024
Supervised By :Mahesh Dadoda 08/27/2024



#22
Diisopropyl ether
Concen: 21.796 ug/l
RT: 6.677 min Scan# 803
Delta R.T. 0.006 min
Lab File: VN083476.D
Acq: 26 Aug 2024 12:31

Tgt Ion: 45 Resp: 113406
Ion Ratio Lower Upper
45 100
43 52.7 44.0 66.0
87 29.0 19.7 29.5
59 11.4 8.5 12.7





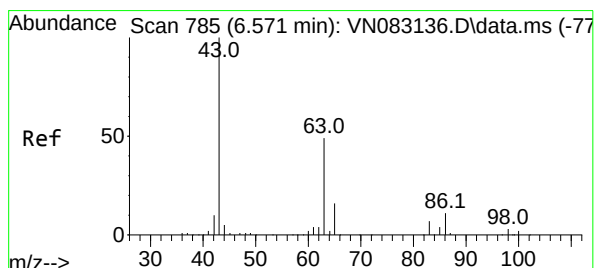
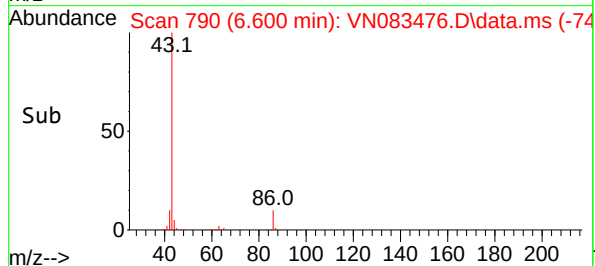
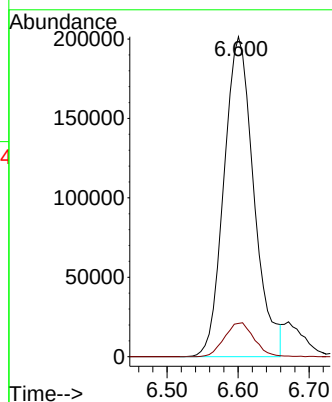
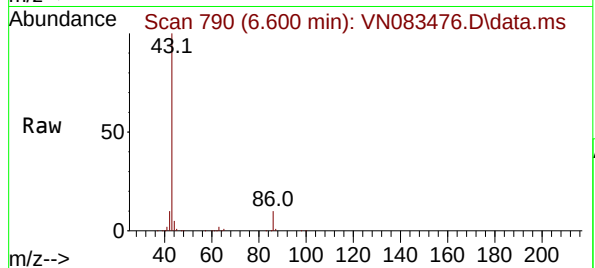
#23
Vinyl Acetate
Concen: 110.479 ug/l
RT: 6.600 min Scan# 791
Delta R.T. -0.006 min
Lab File: VN083476.D
Acq: 26 Aug 2024 12:31

Instrument :
MSVOA_N
Client Sample Id :
VN0826WBS02

Tgt Ion: 43 Resp: 58920
Ion Ratio Lower Upper
43 100
86 10.4 7.3 10.9

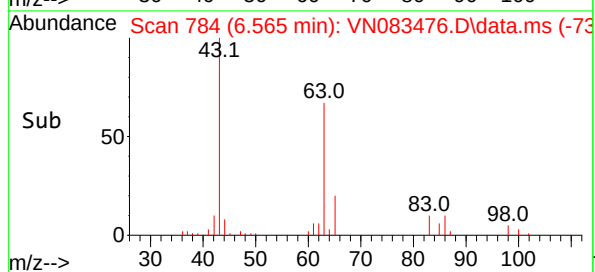
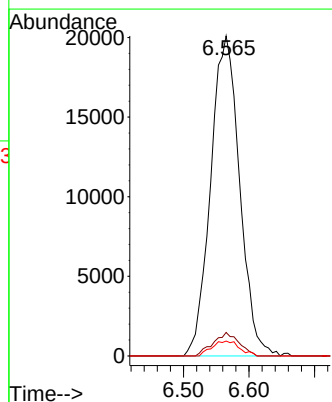
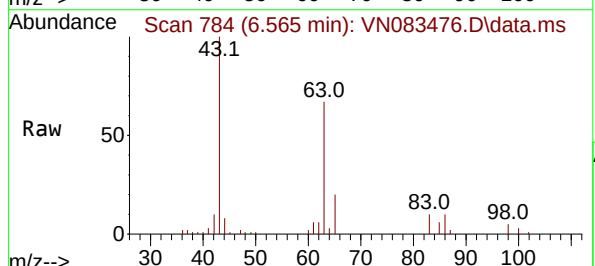
Manual Integrations
APPROVED

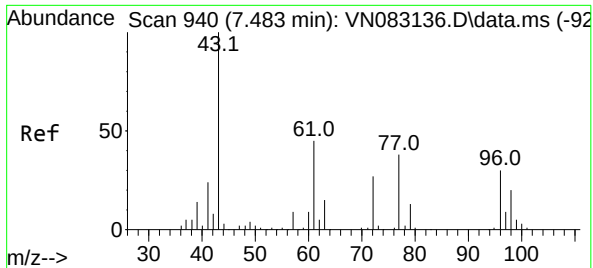
Reviewed By : John Carlone 08/27/2024
Supervised By : Mahesh Dadoda 08/27/2024



#24
1,1-Dichloroethane
Concen: 21.764 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.006 min
Lab File: VN083476.D
Acq: 26 Aug 2024 12:31

Tgt Ion: 63 Resp: 61725
Ion Ratio Lower Upper
63 100
98 7.3 3.3 9.9
100 4.6 2.0 6.0





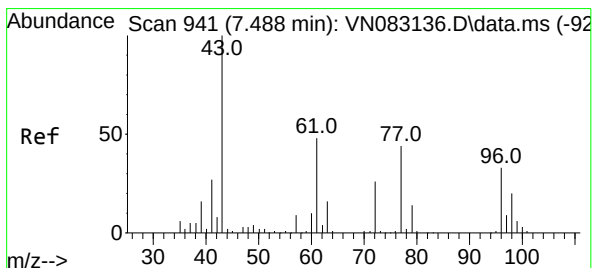
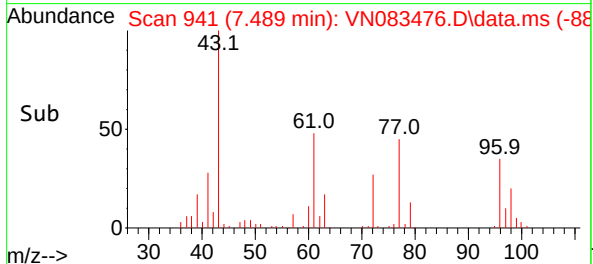
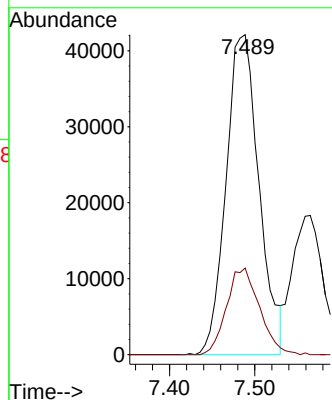
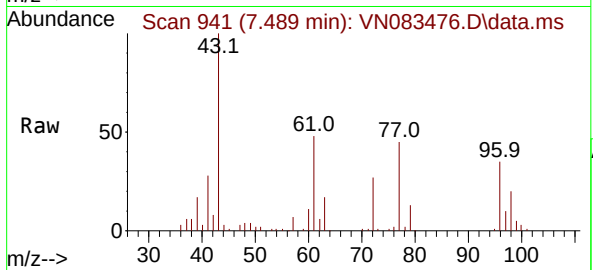
#25
2-Butanone
Concen: 100.389 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN083476.D
Acq: 26 Aug 2024 12:31

Instrument :
MSVOA_N
ClientSampleId :
VN0826WBS02

Tgt Ion: 43 Resp: 11344
Ion Ratio Lower Upper
43 100
72 27.1 18.2 27.2

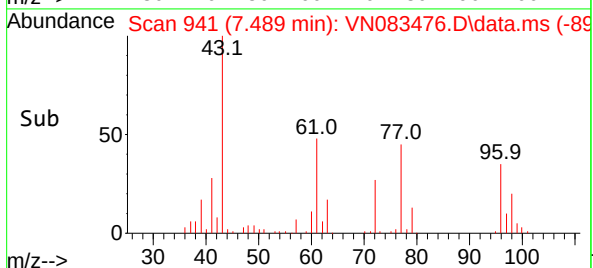
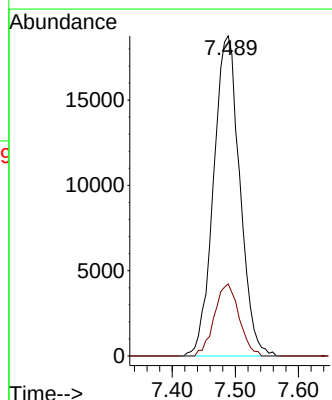
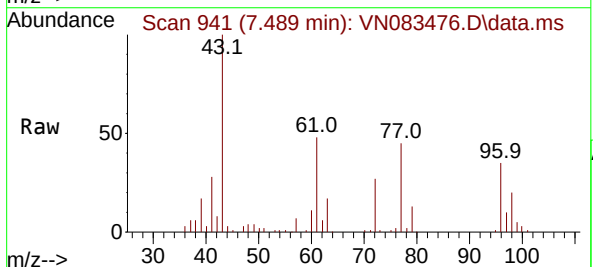
Manual Integrations
APPROVED

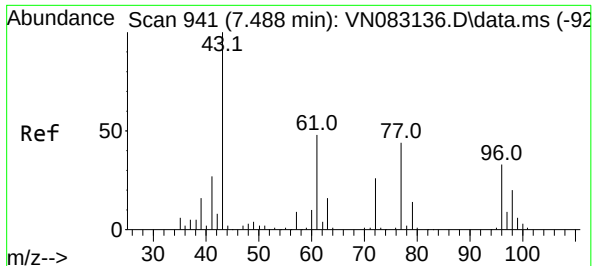
Reviewed By :John Carlone 08/27/2024
Supervised By :Mahesh Dadoda 08/27/2024



#26
2,2-Dichloropropane
Concen: 20.548 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN083476.D
Acq: 26 Aug 2024 12:31

Tgt Ion: 77 Resp: 54120
Ion Ratio Lower Upper
77 100
97 21.2 10.3 30.9





#27

cis-1,2-Dichloroethene

Concen: 21.013 ug/l

RT: 7.483 min Scan# 941

Delta R.T. -0.006 min

Lab File: VN083476.D

Acq: 26 Aug 2024 12:31

Instrument :

MSVOA_N

ClientSampleId :

VN0826WBS02

Tgt Ion: 96 Resp: 3838

Ion Ratio Lower Upper

96 100

61 153.1 0.0 329.6

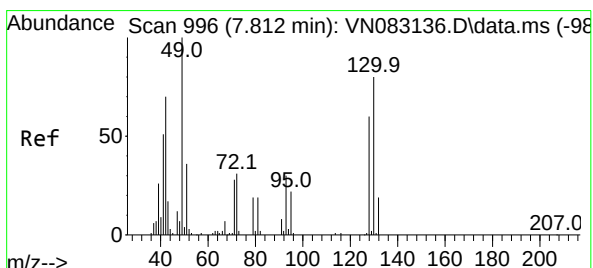
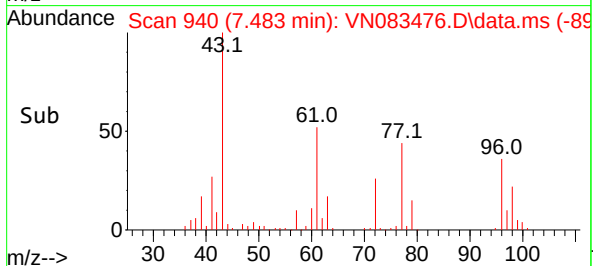
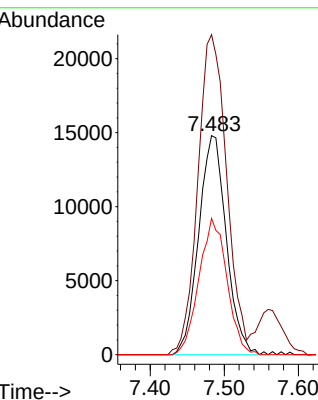
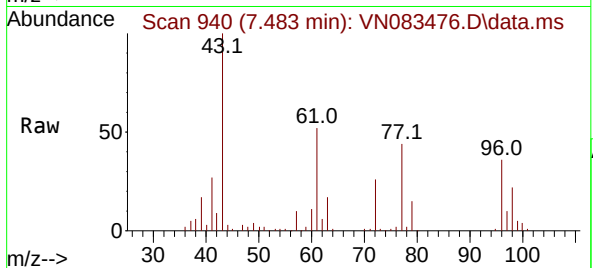
98 62.7 0.0 128.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/27/2024

Supervised By :Mahesh Dadoda 08/27/2024



#28

Bromochloromethane

Concen: 22.729 ug/l

RT: 7.818 min Scan# 997

Delta R.T. 0.006 min

Lab File: VN083476.D

Acq: 26 Aug 2024 12:31

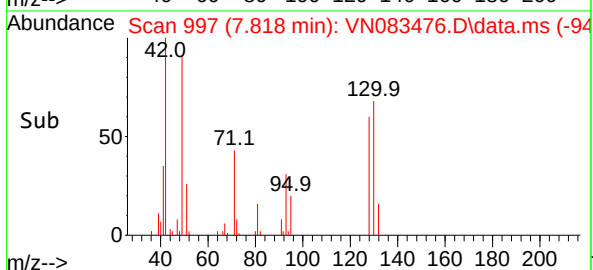
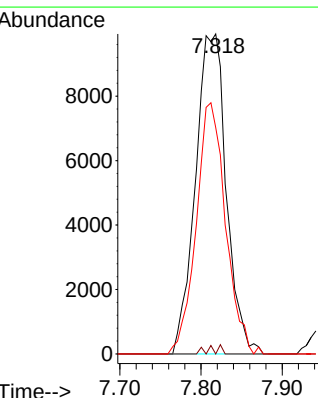
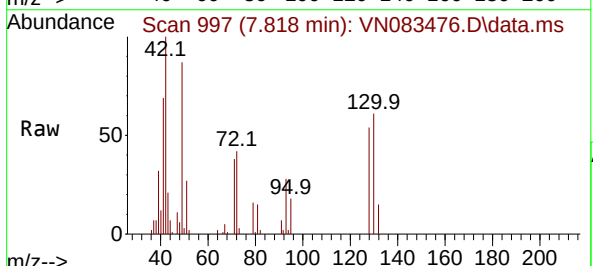
Tgt Ion: 49 Resp: 26343

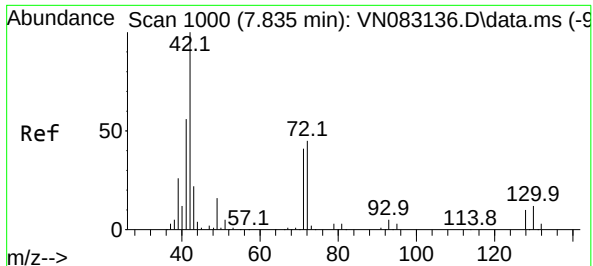
Ion Ratio Lower Upper

49 100

129 0.7 0.0 3.8

130 74.4 50.5 75.7





#29

Tetrahydrofuran

Concen: 104.509 ug/l

RT: 7.842 min Scan# 1001

Delta R.T. 0.006 min

Lab File: VN083476.D

Acq: 26 Aug 2024 12:31

Instrument :

MSVOA_N

ClientSampleId :

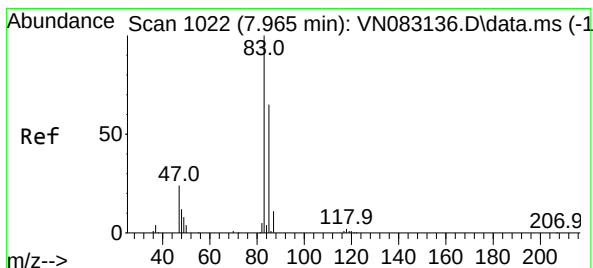
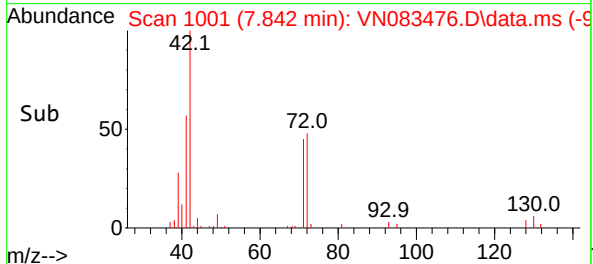
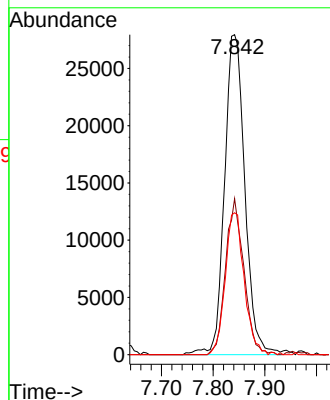
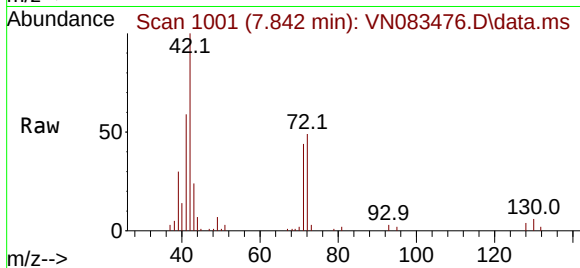
VN0826WBS02

Tgt Ion:	42	Resp:	7634
Ion	Ratio	Lower	Upper
42	100		
72	44.0	30.0	45.0
71	41.7	28.3	42.5

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/27/2024

Supervised By :Mahesh Dadoda 08/27/2024



#30

Chloroform

Concen: 21.993 ug/l

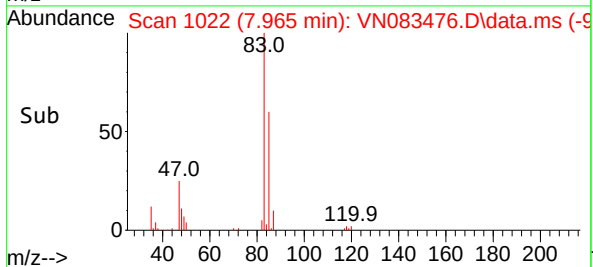
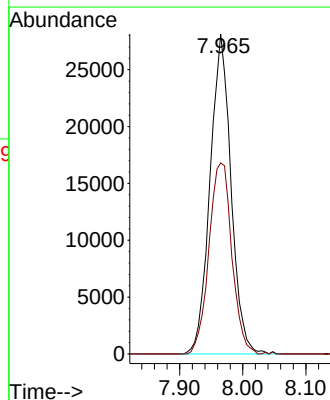
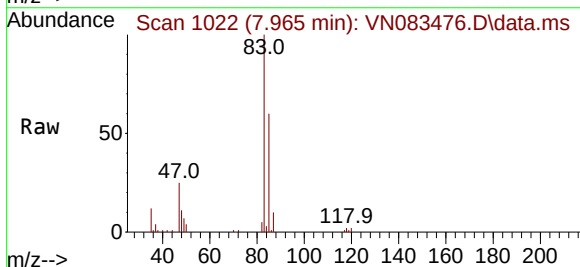
RT: 7.965 min Scan# 1022

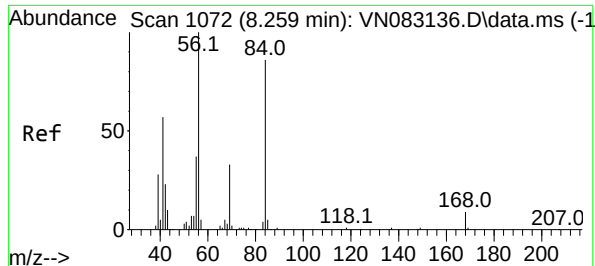
Delta R.T. 0.000 min

Lab File: VN083476.D

Acq: 26 Aug 2024 12:31

Tgt Ion:	83	Resp:	64801
Ion	Ratio	Lower	Upper
83	100		
85	59.7	50.9	76.3





#31

Cyclohexane

Concen: 19.247 ug/l

RT: 8.253 min Scan# 1071

Delta R.T. -0.006 min

Lab File: VN083476.D

Acq: 26 Aug 2024 12:31

Instrument :

MSVOA_N

ClientSampleId :

VN0826WBS02

Tgt Ion: 56 Resp: 53640

Ion Ratio Lower Upper

56 100

69 35.1 24.5 36.7

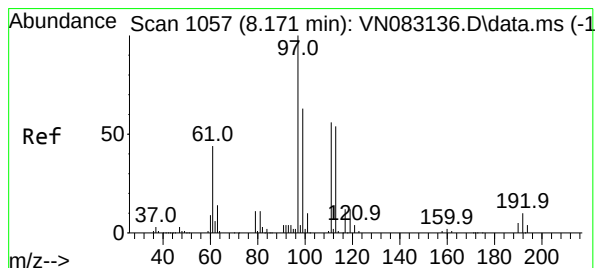
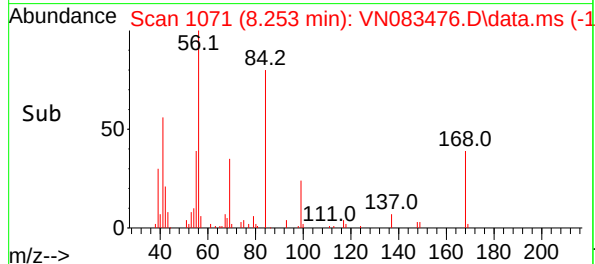
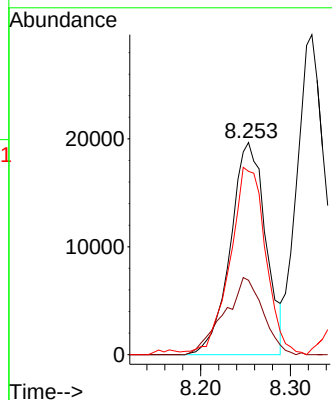
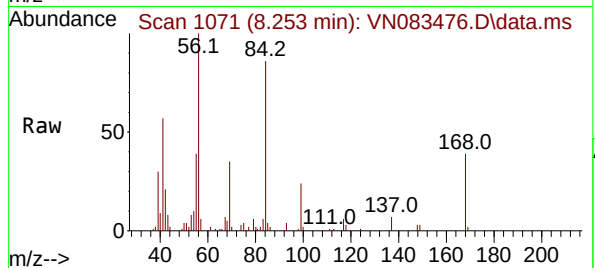
84 85.1 66.0 99.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/27/2024

Supervised By :Mahesh Dadoda 08/27/2024



#32

1,1,1-Trichloroethane

Concen: 21.123 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.006 min

Lab File: VN083476.D

Acq: 26 Aug 2024 12:31

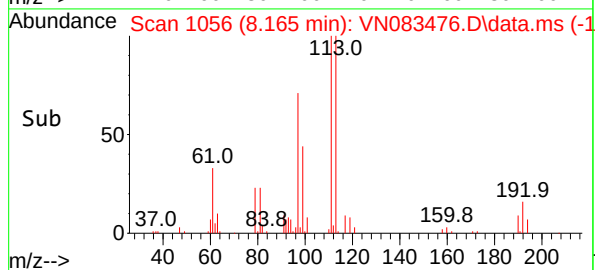
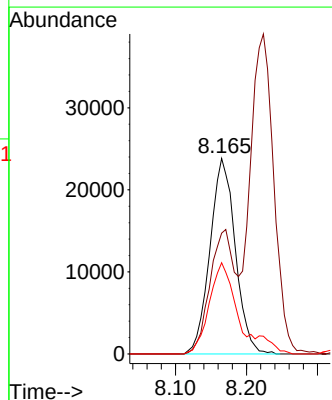
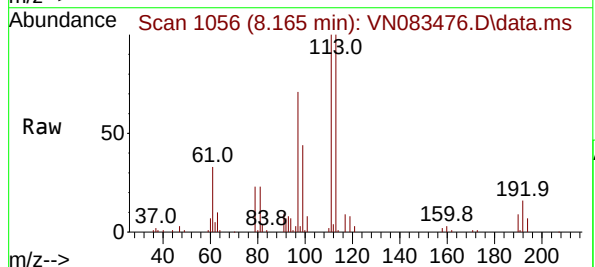
Tgt Ion: 97 Resp: 58912

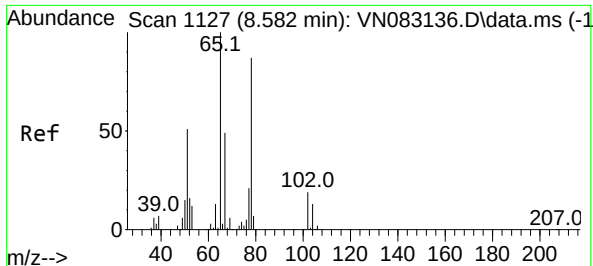
Ion Ratio Lower Upper

97 100

99 62.7 52.0 78.0

61 49.0 42.1 63.1





#33

1,2-Dichloroethane-d4

Concen: 59.550 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.005 min

Lab File: VN083476.D

Acq: 26 Aug 2024 12:31

Instrument :

MSVOA_N

ClientSampleId :

VN0826WBS02

Tgt Ion: 65 Resp: 11200

Ion Ratio Lower Upper

65 100

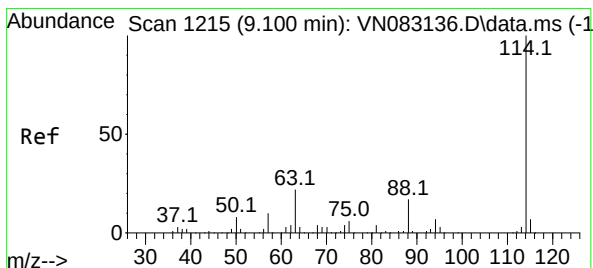
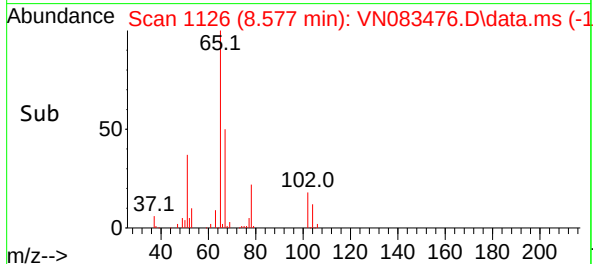
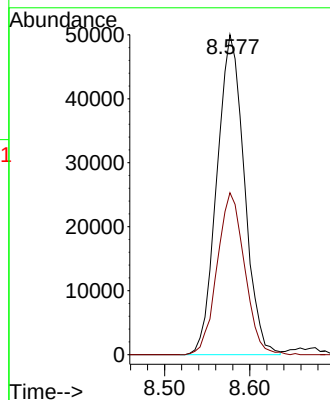
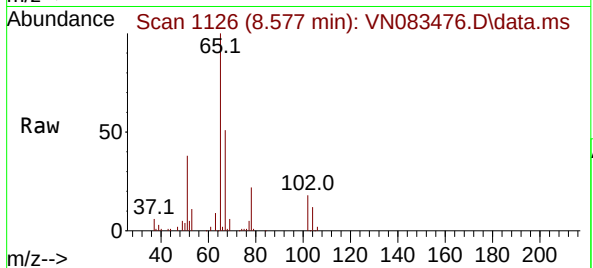
67 50.7 0.0 104.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/27/2024

Supervised By :Mahesh Dadoda 08/27/2024



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN083476.D

Acq: 26 Aug 2024 12:31

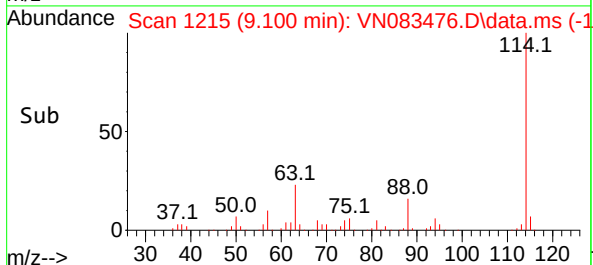
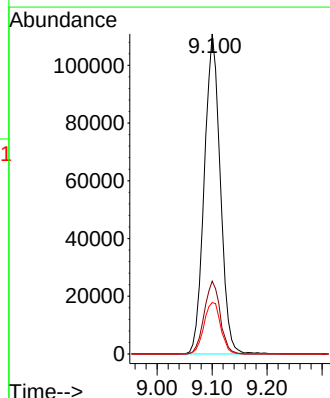
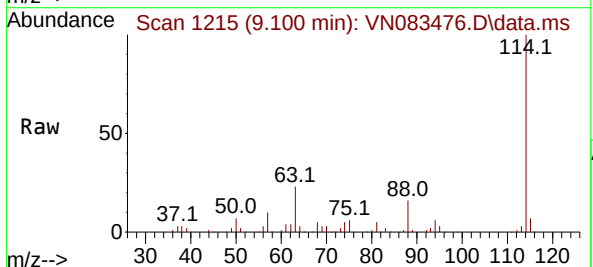
Tgt Ion:114 Resp: 223910

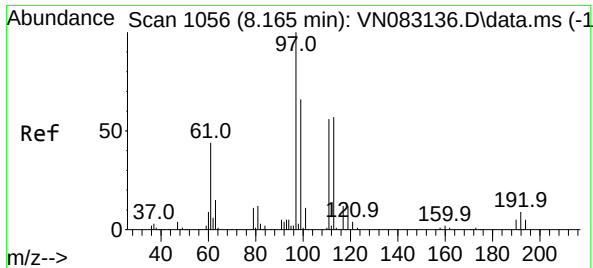
Ion Ratio Lower Upper

114 100

63 22.8 0.0 44.6

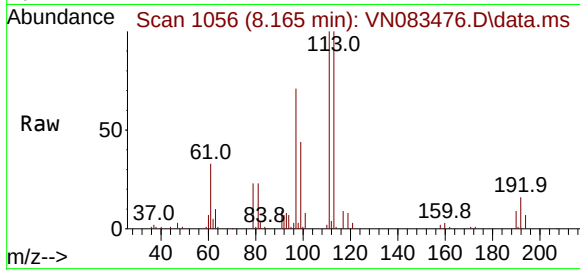
88 16.1 0.0 31.4





#35
Dibromofluoromethane
Concen: 57.693 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN083476.D
Acq: 26 Aug 2024 12:31

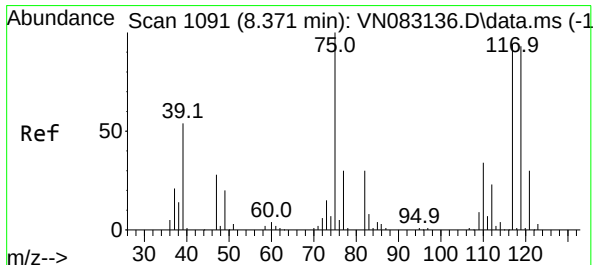
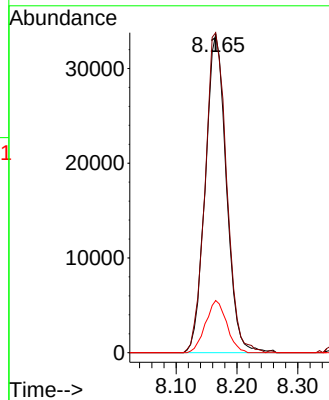
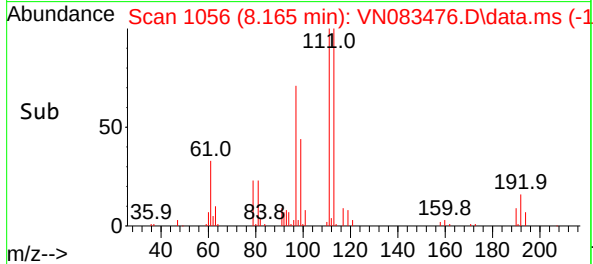
Instrument :
MSVOA_N
ClientSampleId :
VN0826WBS02



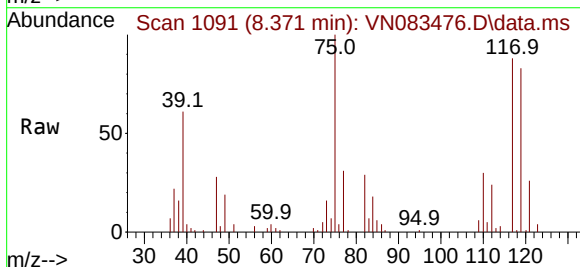
Tgt Ion: 113 Resp: 8063
Ion Ratio Lower Upper
113 100
111 102.7 82.4 123.6
192 16.5 14.9 22.3

Manual Integrations
APPROVED

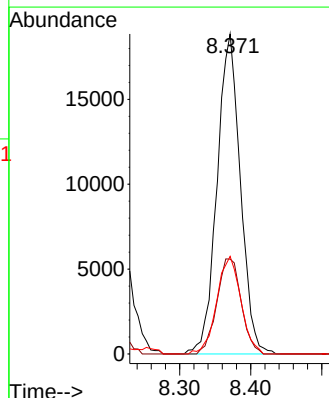
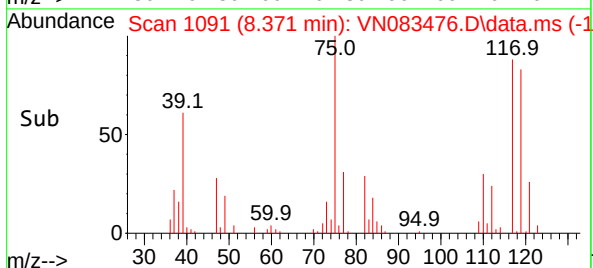
Reviewed By :John Carlone 08/27/2024
Supervised By :Mahesh Dadoda 08/27/2024

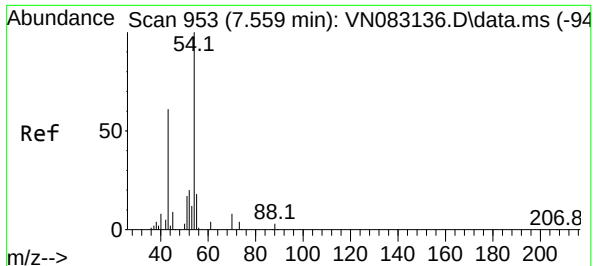


#36
1,1-Dichloropropene
Concen: 20.329 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.000 min
Lab File: VN083476.D
Acq: 26 Aug 2024 12:31



Tgt Ion: 75 Resp: 42979
Ion Ratio Lower Upper
75 100
110 31.0 16.3 48.9
77 31.5 24.6 37.0





#37

Ethyl Acetate

Concen: 19.839 ug/l

RT: 7.565 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN083476.D

Acq: 26 Aug 2024 12:31

Instrument :

MSVOA_N

ClientSampleId :

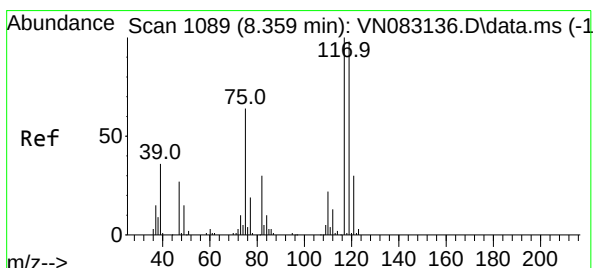
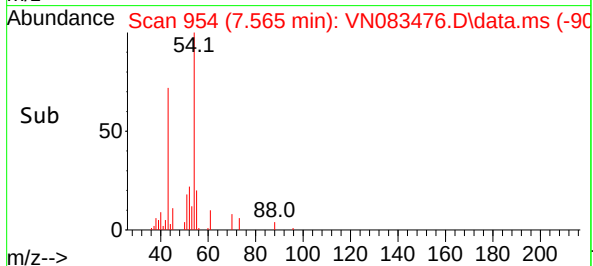
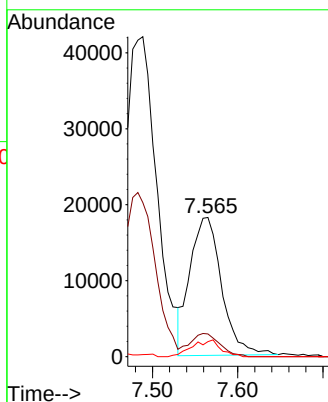
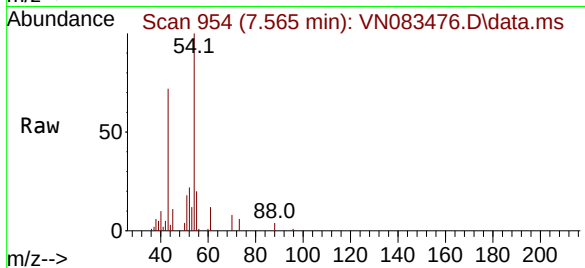
VN0826WBS02

Tgt Ion:	43	Resp:	4696
Ion	Ratio	Lower	Upper
43	100		
61	14.9	9.3	13.9
70	10.9	7.0	10.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/27/2024

Supervised By :Mahesh Dadoda 08/27/2024



#38

Carbon Tetrachloride

Concen: 21.664 ug/l

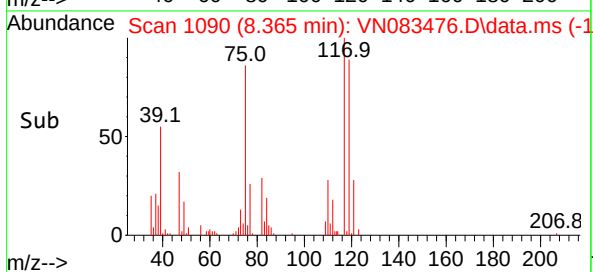
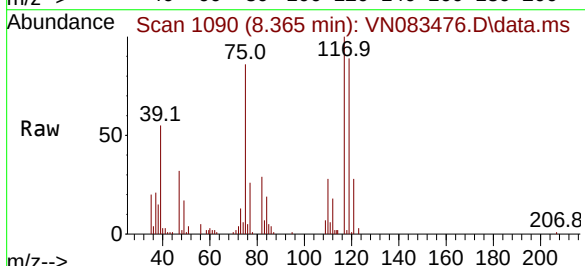
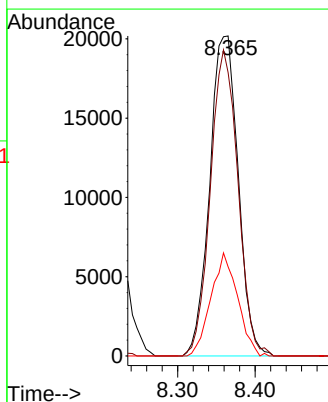
RT: 8.365 min Scan# 1090

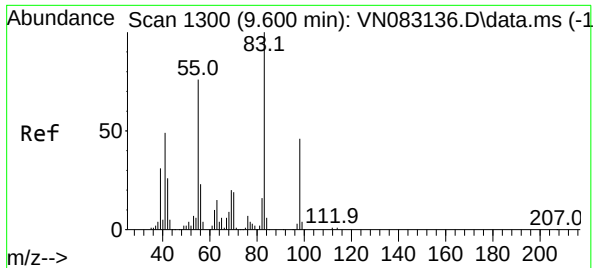
Delta R.T. 0.006 min

Lab File: VN083476.D

Acq: 26 Aug 2024 12:31

Tgt Ion:	117	Resp:	51588
Ion	Ratio	Lower	Upper
117	100		
119	88.5	74.9	112.3
121	27.9	24.3	36.5





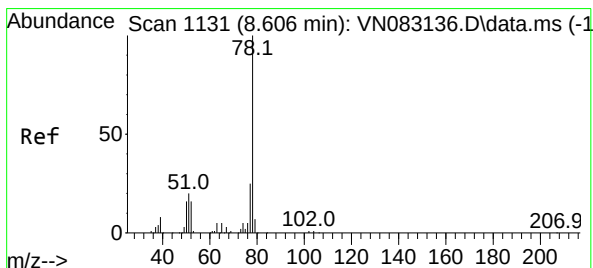
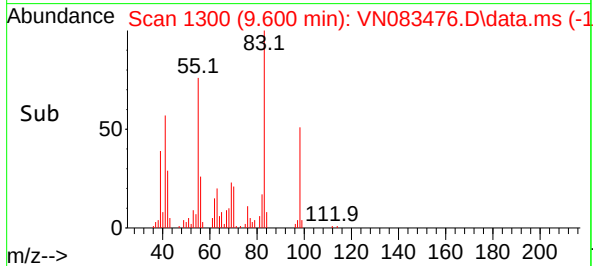
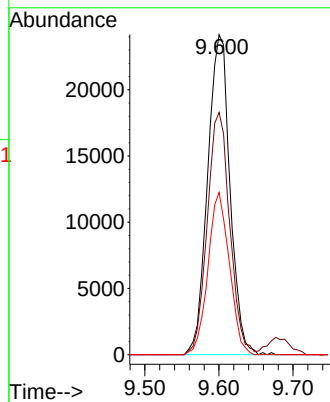
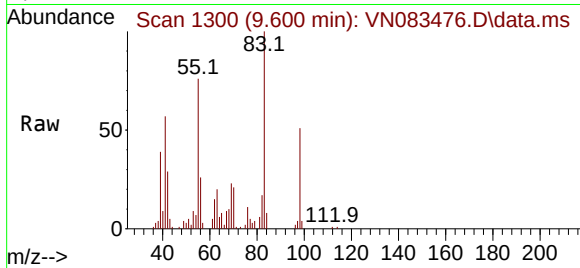
#39
Methylcyclohexane
Concen: 19.510 ug/l
RT: 9.600 min Scan# 11300
Delta R.T. 0.000 min
Lab File: VN083476.D
Acq: 26 Aug 2024 12:31

Instrument :
MSVOA_N
ClientSampleId :
VN0826WBS02

Tgt Ion	Ratio	Lower	Upper
83	100		
55	75.7	66.4	99.6
98	50.7	40.7	61.1

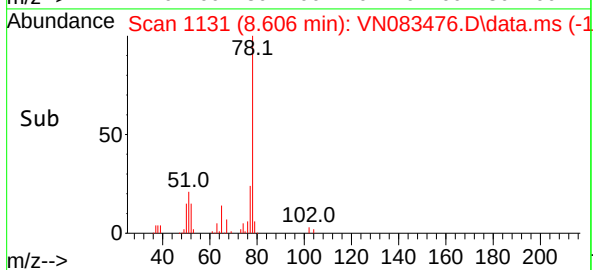
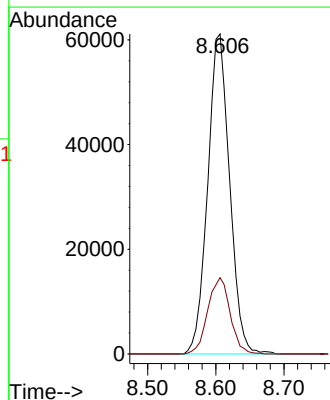
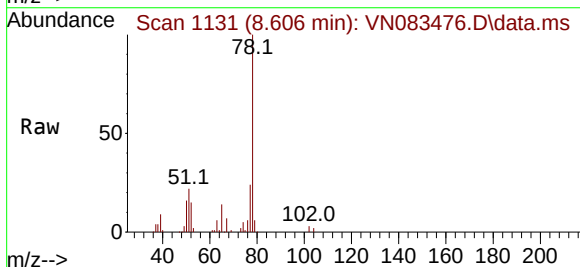
Manual Integrations
APPROVED

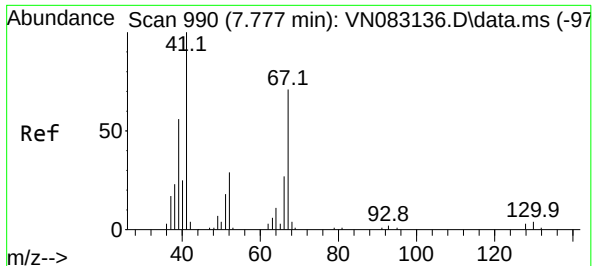
Reviewed By :John Carlone 08/27/2024
Supervised By :Mahesh Dadoda 08/27/2024



#40
Benzene
Concen: 21.718 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VN083476.D
Acq: 26 Aug 2024 12:31

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.0	28.4





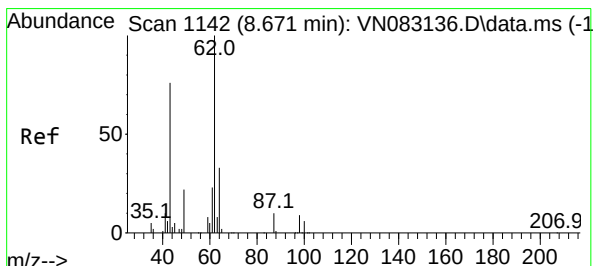
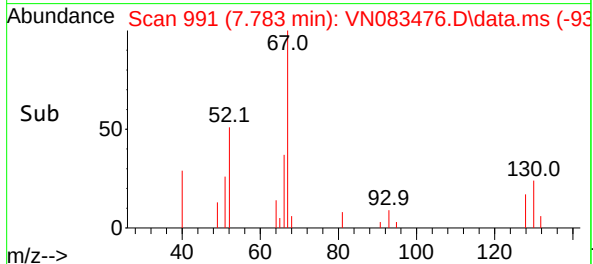
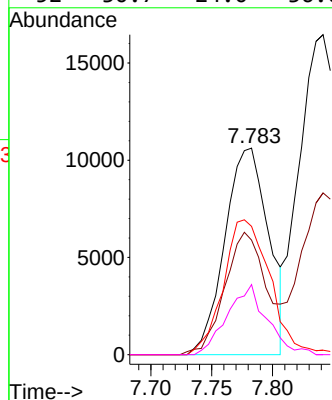
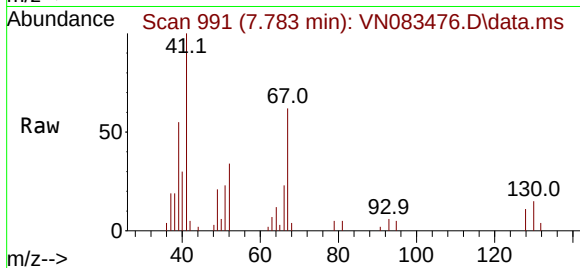
#41
Methacrylonitrile
Concen: 19.759 ug/l
RT: 7.783 min Scan# 991
Delta R.T. 0.006 min
Lab File: VN083476.D
Acq: 26 Aug 2024 12:31

Instrument :
MSVOA_N
Client Sample Id :
VN0826WBS02

Tgt Ion:	41	Resp:	26594
Ion	Ratio	Lower	Upper
41	100		
39	56.7	45.5	68.3
67	69.6	50.5	75.7
52	30.7	24.0	36.0

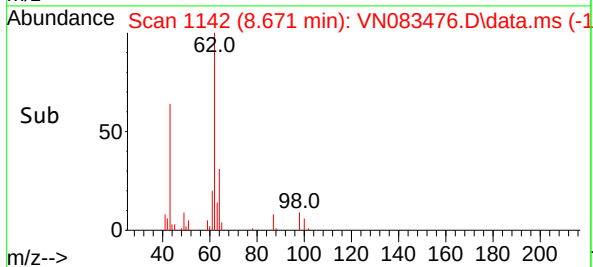
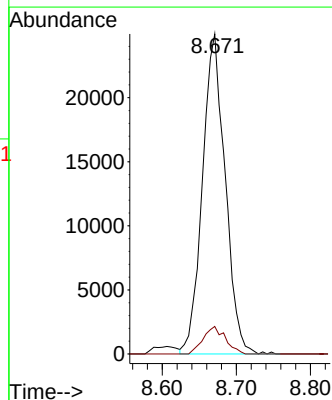
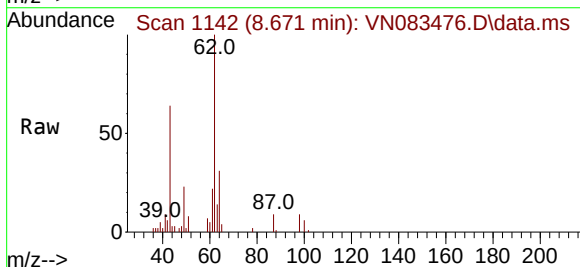
Manual Integrations
APPROVED

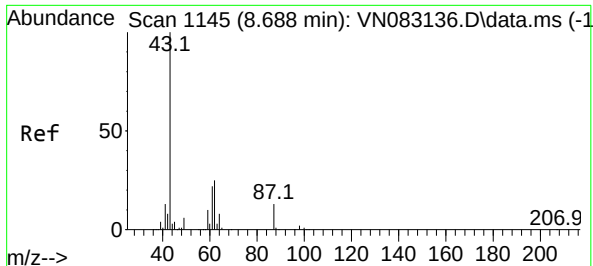
Reviewed By :John Carlone 08/27/2024
Supervised By :Mahesh Dadoda 08/27/2024



#42
1,2-Dichloroethane
Concen: 23.190 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VN083476.D
Acq: 26 Aug 2024 12:31

Tgt Ion:	62	Resp:	53206
Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	15.8





#43

Isopropyl Acetate

Concen: 18.285 ug/l

RT: 8.689 min Scan# 1145

Delta R.T. 0.001 min

Lab File: VN083476.D

Acq: 26 Aug 2024 12:31

Instrument :

MSVOA_N

ClientSampleId :

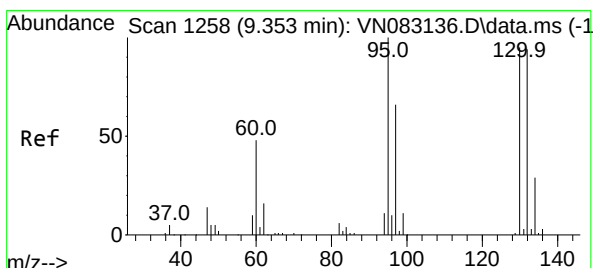
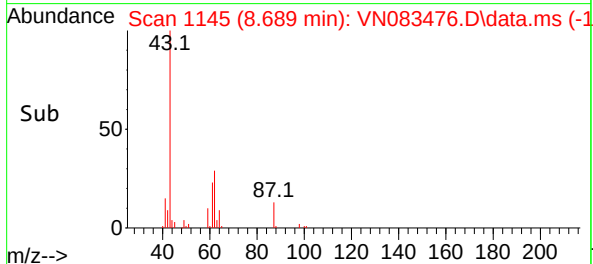
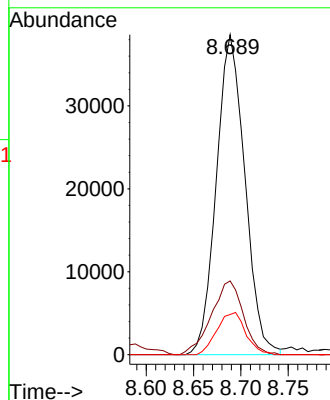
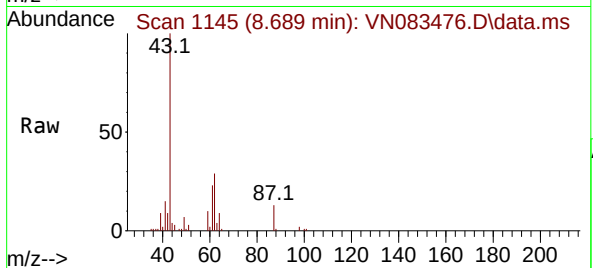
VN0826WBS02

Tgt Ion: 43	Resp: 8091
Ion Ratio	Lower Upper
43	100
61	25.7 17.8 26.6
87	13.3 8.2 12.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/27/2024

Supervised By :Mahesh Dadoda 08/27/2024



#44

Trichloroethene

Concen: 20.721 ug/l

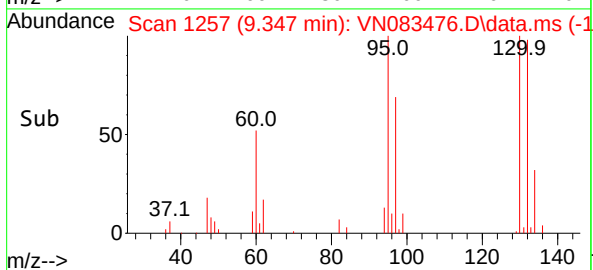
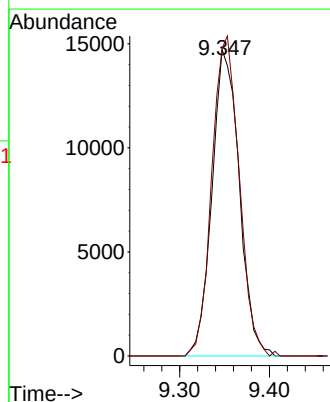
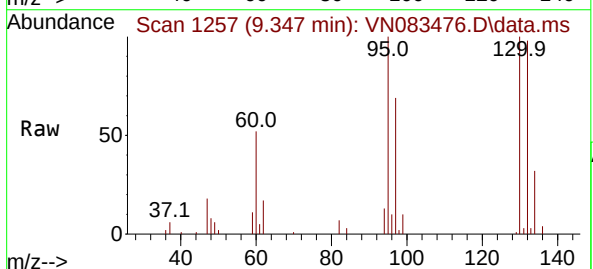
RT: 9.347 min Scan# 1257

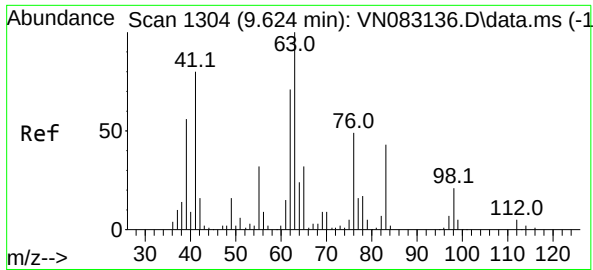
Delta R.T. -0.006 min

Lab File: VN083476.D

Acq: 26 Aug 2024 12:31

Tgt Ion:130	Resp: 31063
Ion Ratio	Lower Upper
130	100
95	100.4 0.0 197.8





#45

1,2-Dichloropropane

Concen: 22.181 ug/l

RT: 9.618 min Scan# 1303

Delta R.T. -0.006 min

Lab File: VN083476.D

Acq: 26 Aug 2024 12:31

Instrument :

MSVOA_N

ClientSampleId :

VN0826WBS02

Tgt Ion: 63 Resp: 3316

Ion Ratio Lower Upper

63 100

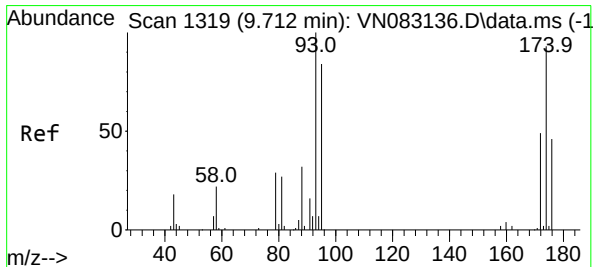
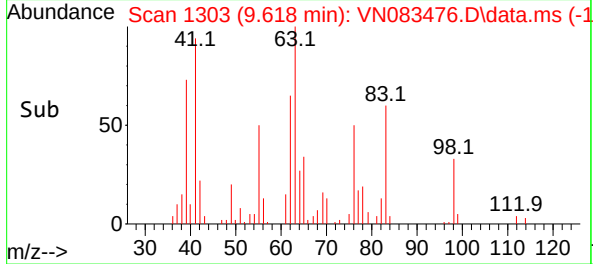
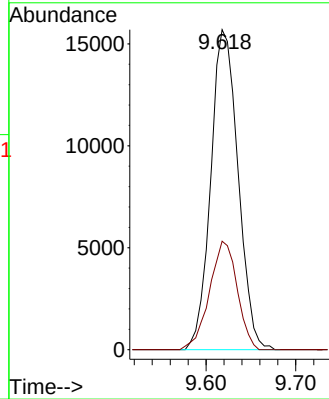
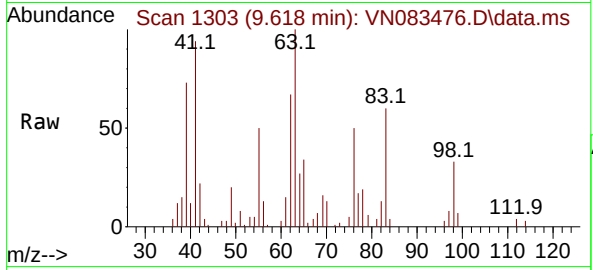
65 33.9 24.4 36.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/27/2024

Supervised By :Mahesh Dadoda 08/27/2024



#46

Dibromomethane

Concen: 22.483 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. -0.006 min

Lab File: VN083476.D

Acq: 26 Aug 2024 12:31

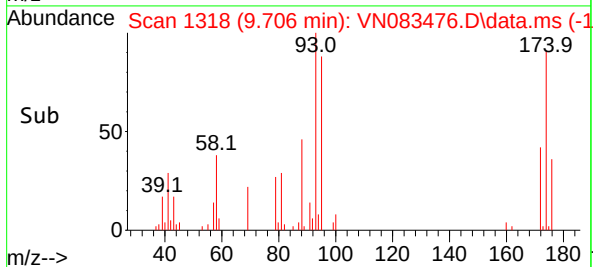
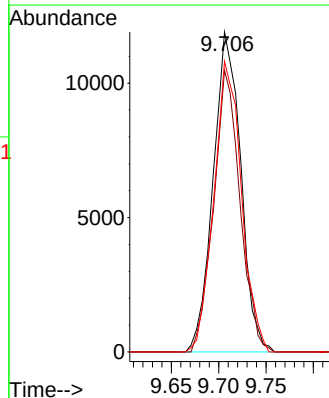
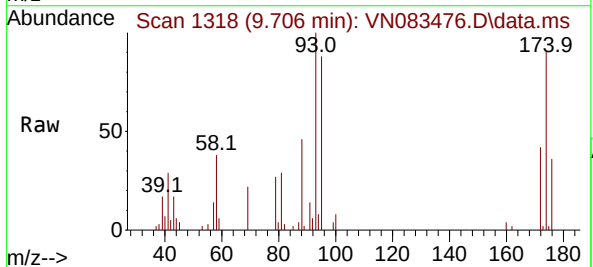
Tgt Ion: 93 Resp: 24059

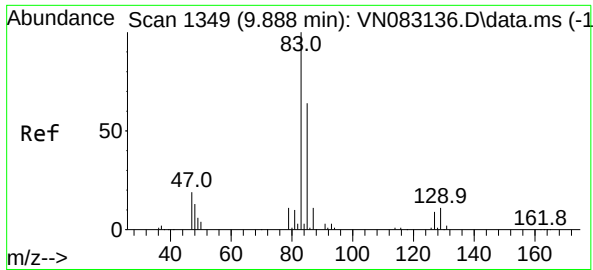
Ion Ratio Lower Upper

93 100

95 84.4 65.8 98.6

174 91.2 71.7 107.5





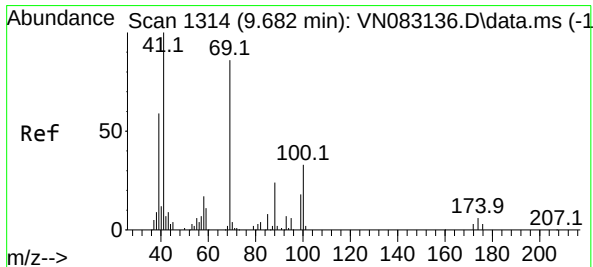
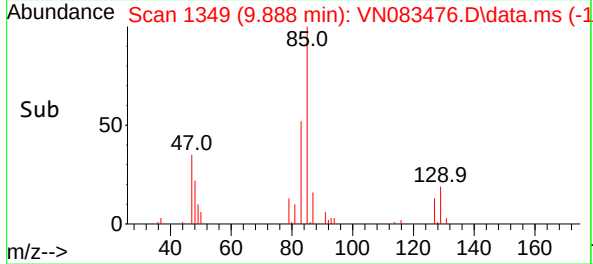
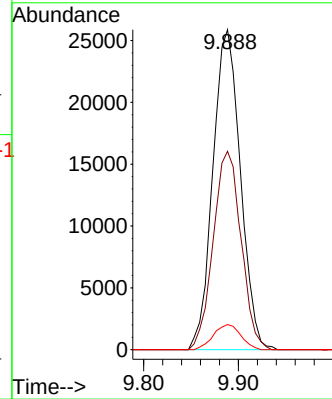
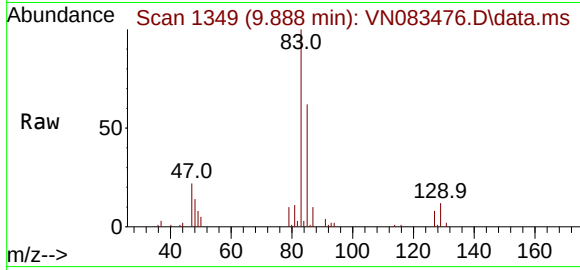
#47
Bromodichloromethane
Concen: 21.727 ug/l
RT: 9.888 min Scan# 1349
Delta R.T. 0.000 min
Lab File: VN083476.D
Acq: 26 Aug 2024 12:31

Instrument :
MSVOA_N
ClientSampleId :
VN0826WBS02

Tgt Ion: 83 Resp: 52204
Ion Ratio Lower Upper
83 100
85 62.0 51.1 76.7
127 7.9 7.2 10.8

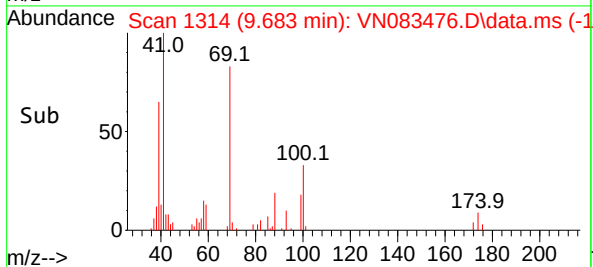
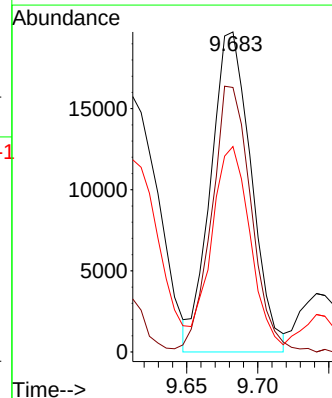
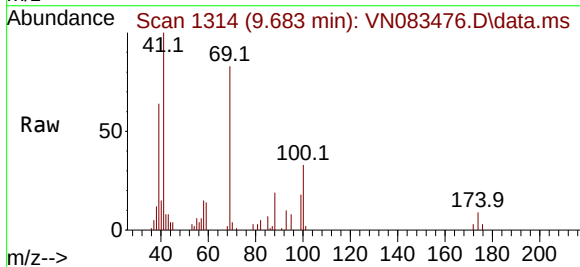
Manual Integrations
APPROVED

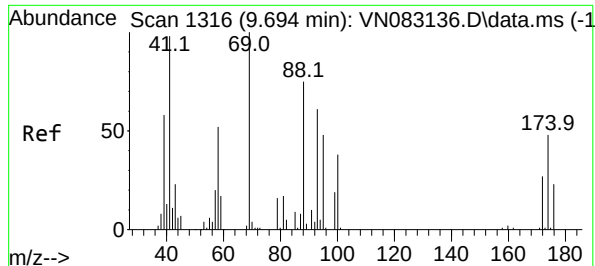
Reviewed By :John Carlone 08/27/2024
Supervised By :Mahesh Dadoda 08/27/2024



#48
Methyl methacrylate
Concen: 19.991 ug/l
RT: 9.683 min Scan# 1314
Delta R.T. 0.000 min
Lab File: VN083476.D
Acq: 26 Aug 2024 12:31

Tgt Ion: 41 Resp: 39123
Ion Ratio Lower Upper
41 100
69 81.4 56.3 84.5
39 61.3 50.3 75.5





#49

1,4-Dioxane

Concen: 404.733 ug/l

RT: 9.694 min Scan# 1316

Delta R.T. 0.000 min

Lab File: VN083476.D

Acq: 26 Aug 2024 12:31

Instrument :

MSVOA_N

ClientSampleId :

VN0826WBS02

Tgt Ion: 88 Resp: 14290

Ion Ratio Lower Upper

88 100

43 30.7 27.8 41.8

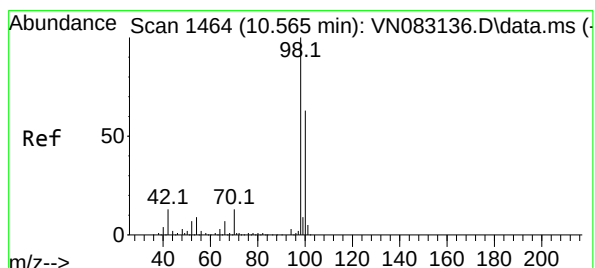
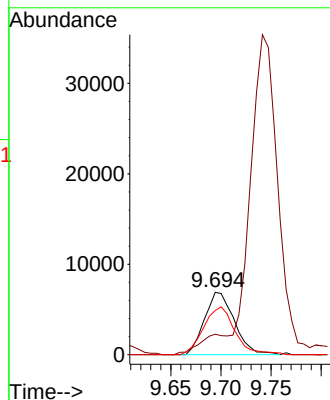
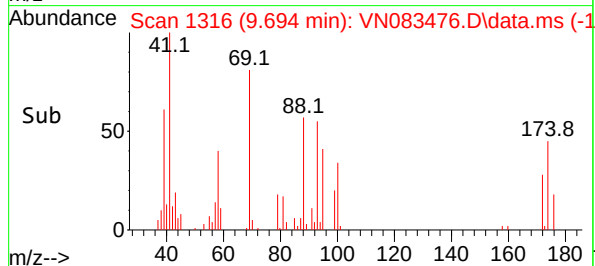
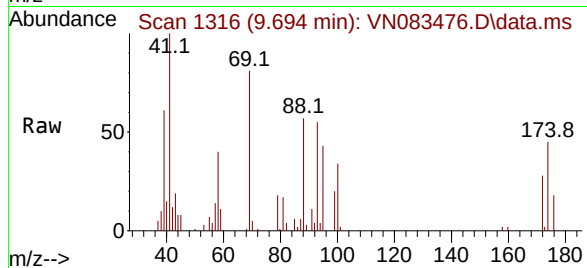
58 80.5 59.4 89.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/27/2024

Supervised By :Mahesh Dadoda 08/27/2024



#50

Toluene-d8

Concen: 54.628 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN083476.D

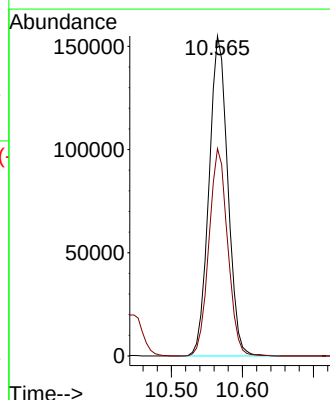
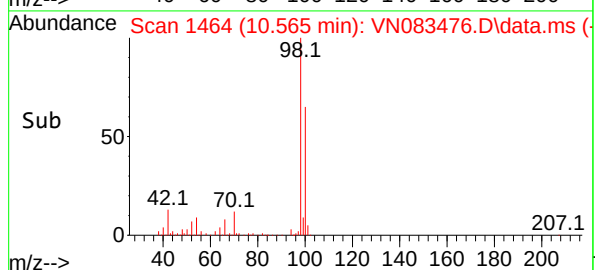
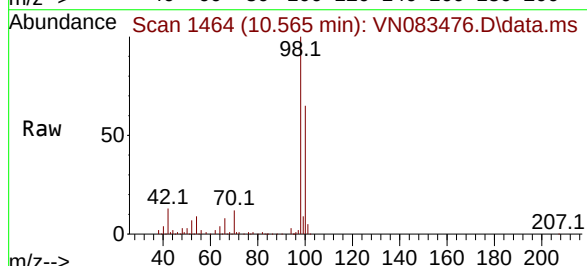
Acq: 26 Aug 2024 12:31

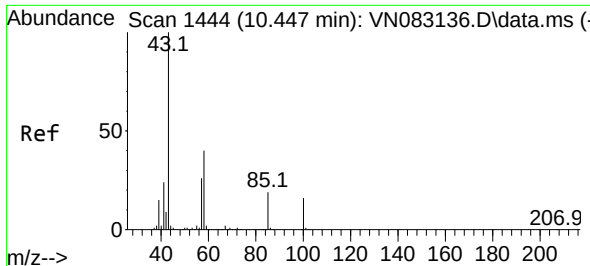
Tgt Ion: 98 Resp: 284798

Ion Ratio Lower Upper

98 100

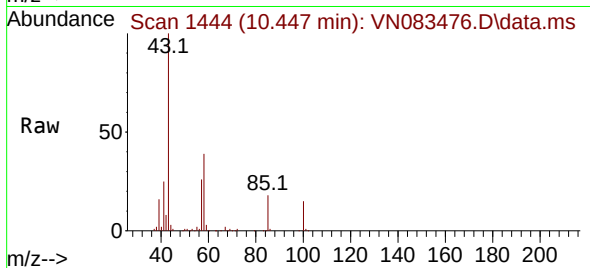
100 64.6 51.5 77.3





#51
4-Methyl-2-Pentanone
Concen: 106.778 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN083476.D
Acq: 26 Aug 2024 12:31

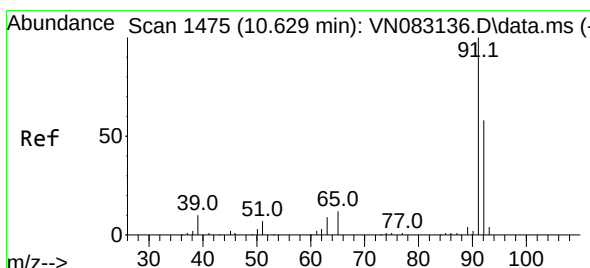
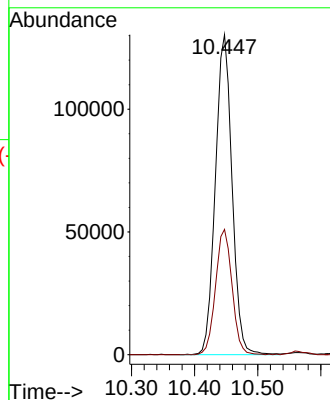
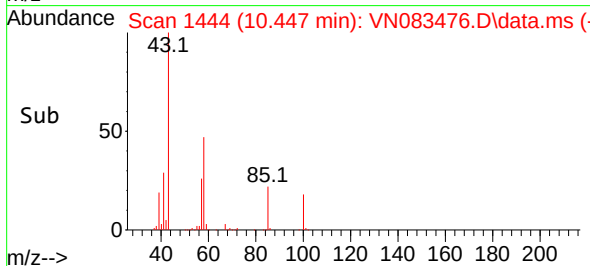
Instrument :
MSVOA_N
ClientSampleId :
VN0826WBS02



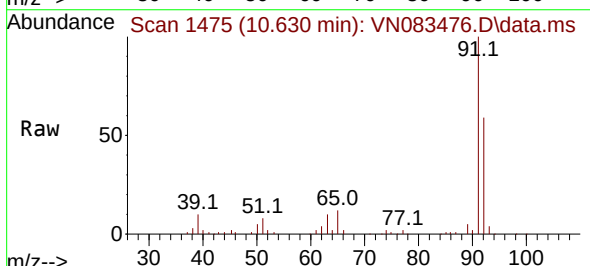
Tgt Ion: 43 Resp: 23902
Ion Ratio Lower Upper
43 100
58 38.8 28.2 42.4

Manual Integrations
APPROVED

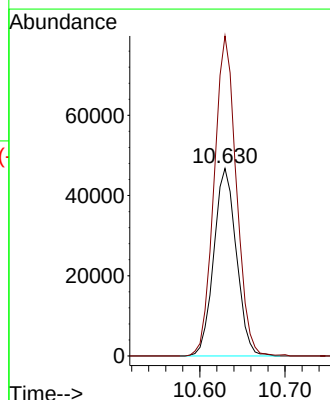
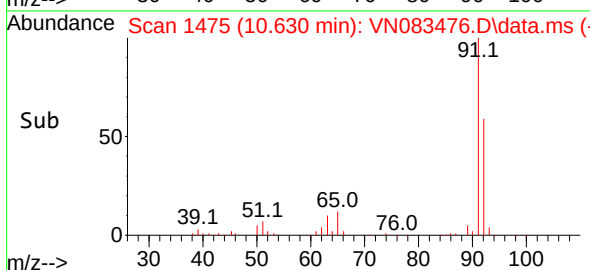
Reviewed By :John Carlone 08/27/2024
Supervised By :Mahesh Dadoda 08/27/2024

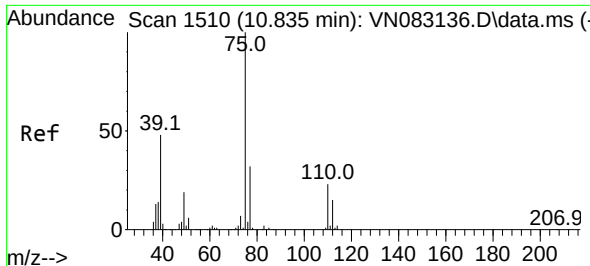


#52
Toluene
Concen: 21.590 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN083476.D
Acq: 26 Aug 2024 12:31



Tgt Ion: 92 Resp: 85917
Ion Ratio Lower Upper
92 100
91 168.5 139.4 209.0





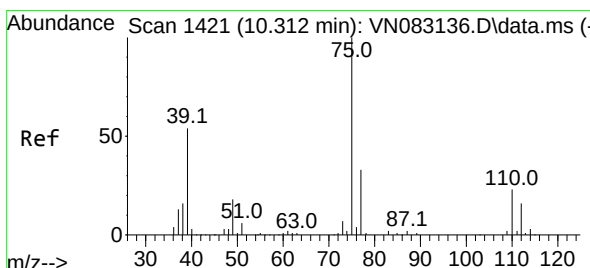
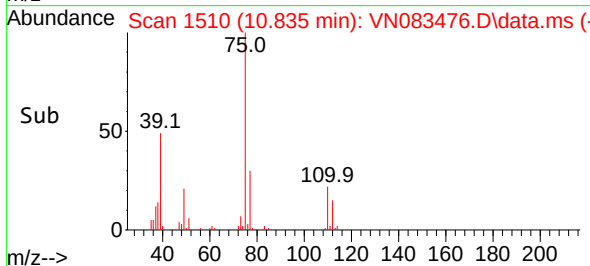
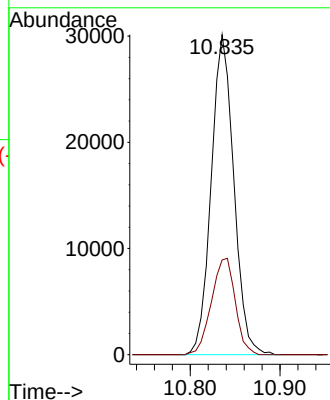
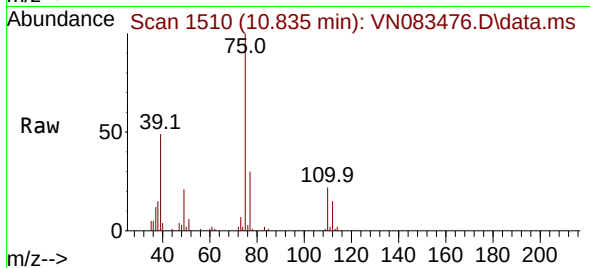
#53
t-1,3-Dichloropropene
Concen: 21.346 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. 0.000 min
Lab File: VN083476.D
Acq: 26 Aug 2024 12:31

Instrument :
MSVOA_N
ClientSampleId :
VN0826WBS02

Tgt Ion: 75 Resp: 5268
Ion Ratio Lower Upper
75 100
77 29.6 25.7 38.5

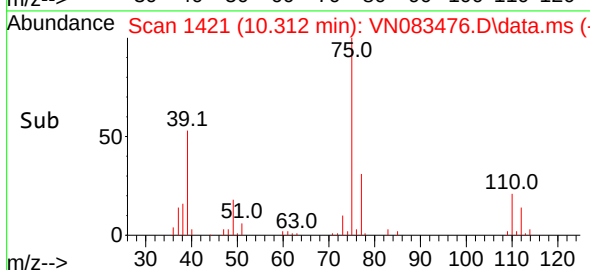
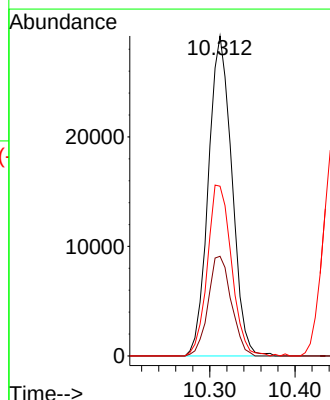
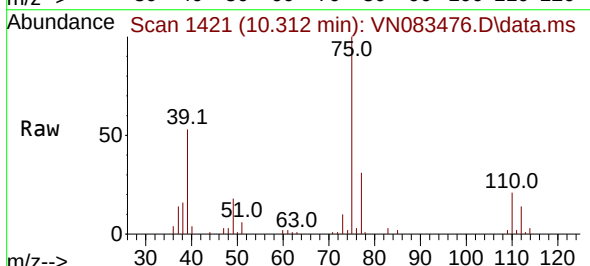
Manual Integrations
APPROVED

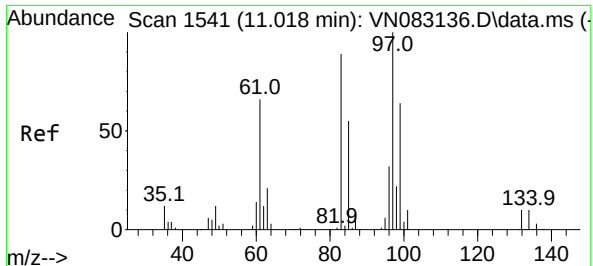
Reviewed By :John Carlone 08/27/2024
Supervised By :Mahesh Dadoda 08/27/2024



#54
cis-1,3-Dichloropropene
Concen: 21.302 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.000 min
Lab File: VN083476.D
Acq: 26 Aug 2024 12:31

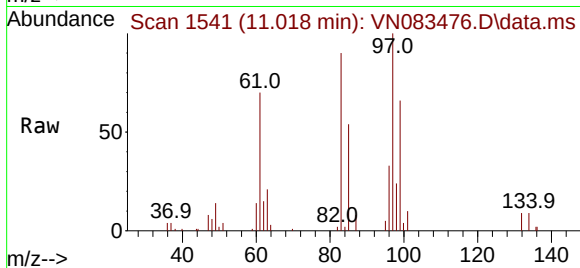
Tgt Ion: 75 Resp: 55921
Ion Ratio Lower Upper
75 100
77 31.2 24.3 36.5
39 53.1 50.5 75.7





#55
1,1,2-Trichloroethane
Concen: 22.927 ug/l
RT: 11.018 min Scan# 1541
Delta R.T. 0.000 min
Lab File: VN083476.D
Acq: 26 Aug 2024 12:31

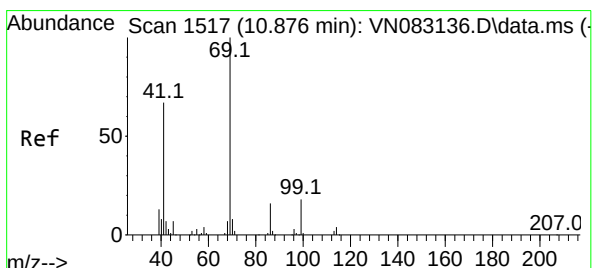
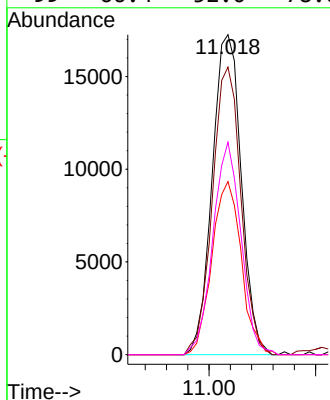
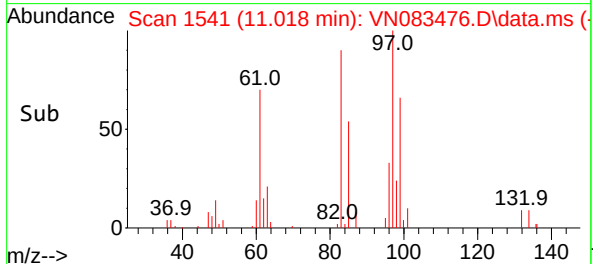
Instrument :
MSVOA_N
ClientSampleId :
VN0826WBS02



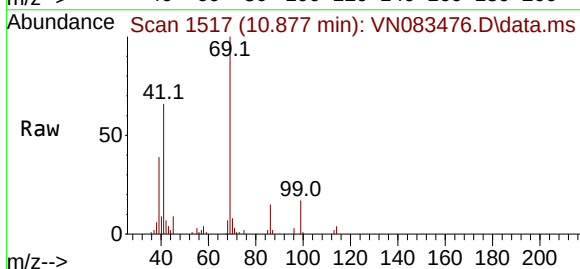
Tgt Ion: 97 Resp: 32690
Ion Ratio Lower Upper
97 100
83 89.9 71.4 107.0
85 54.1 45.8 68.6
99 66.4 52.0 78.0

Manual Integrations
APPROVED

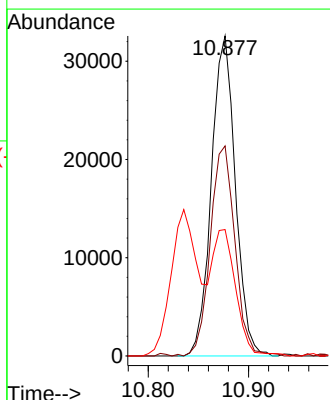
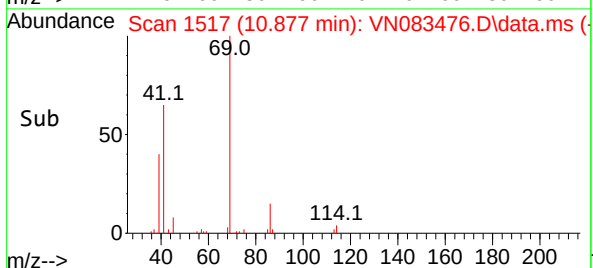
Reviewed By :John Carlone 08/27/2024
Supervised By :Mahesh Dadoda 08/27/2024

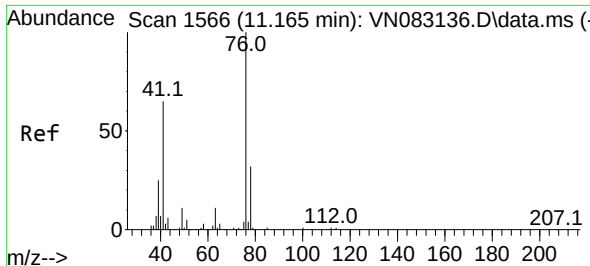


#56
Ethyl methacrylate
Concen: 20.121 ug/l
RT: 10.877 min Scan# 1517
Delta R.T. 0.000 min
Lab File: VN083476.D
Acq: 26 Aug 2024 12:31



Tgt Ion: 69 Resp: 54094
Ion Ratio Lower Upper
69 100
41 67.7 63.4 95.2
39 37.8 37.4 56.0





#57

1,3-Dichloropropane

Concen: 22.531 ug/l

RT: 11.165 min Scan# 1566

Delta R.T. 0.000 min

Lab File: VN083476.D

Acq: 26 Aug 2024 12:31

Instrument :

MSVOA_N

ClientSampleId :

VN0826WBS02

Tgt Ion: 76 Resp: 5727

Ion Ratio Lower Upper

76 100

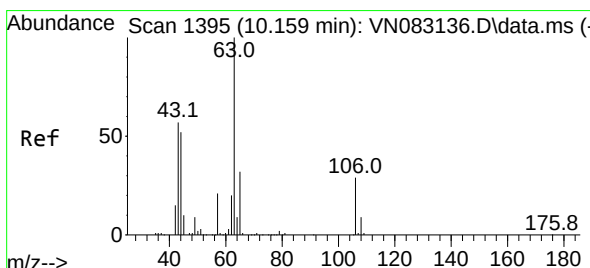
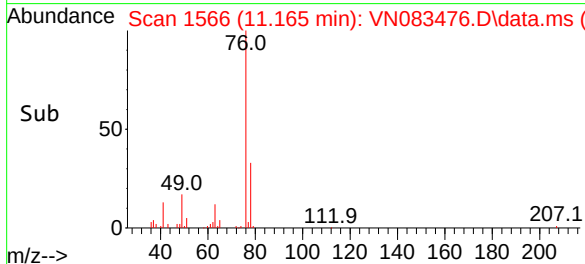
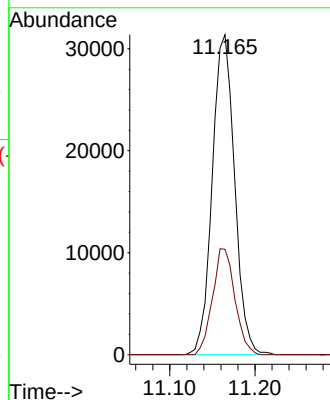
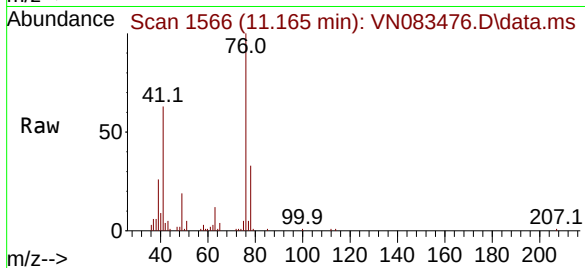
78 33.1 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/27/2024

Supervised By :Mahesh Dadoda 08/27/2024



#58

2-Chloroethyl Vinyl ether

Concen: 90.257 ug/l

RT: 10.159 min Scan# 1395

Delta R.T. 0.000 min

Lab File: VN083476.D

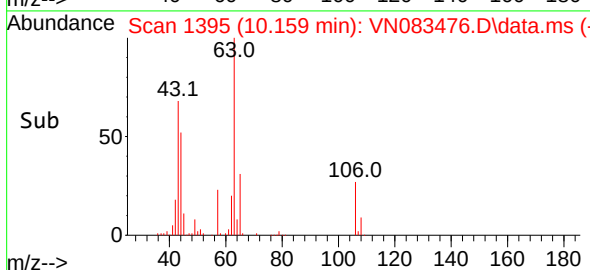
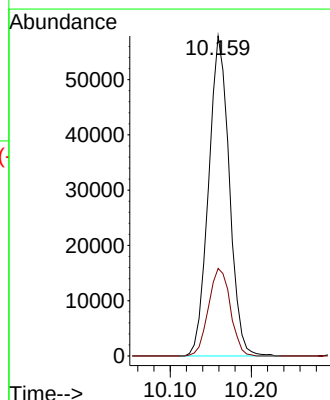
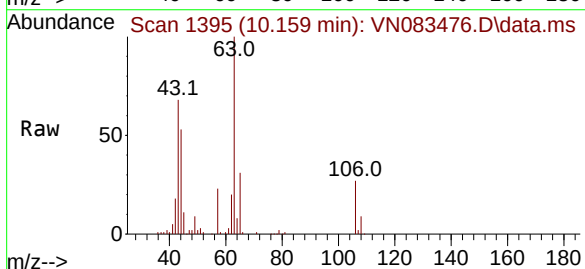
Acq: 26 Aug 2024 12:31

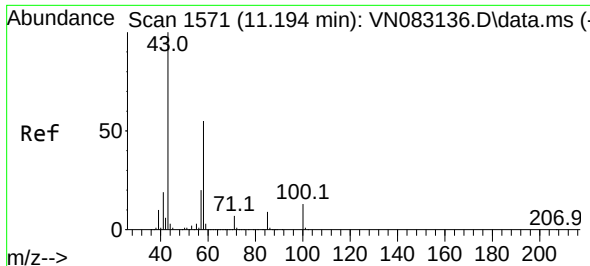
Tgt Ion: 63 Resp: 102570

Ion Ratio Lower Upper

63 100

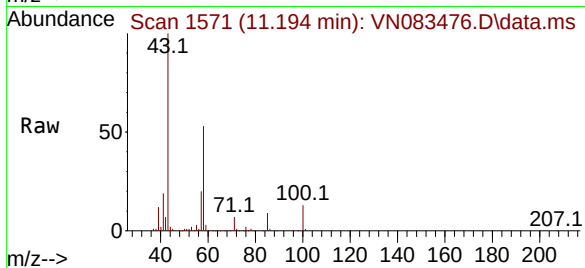
106 28.8 21.4 32.0





#59
2-Hexanone
Concen: 101.499 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. 0.000 min
Lab File: VN083476.D
Acq: 26 Aug 2024 12:31

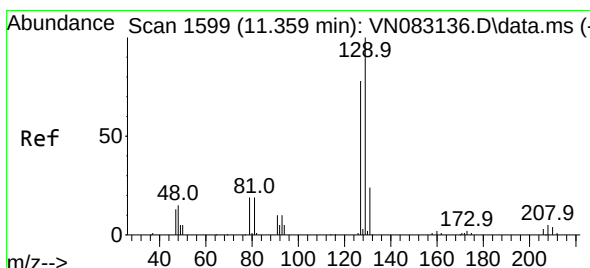
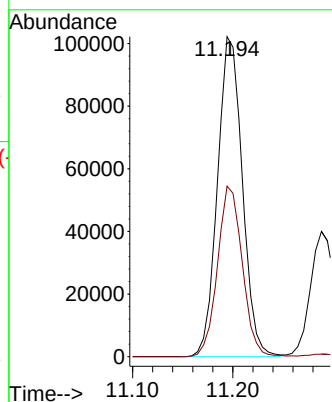
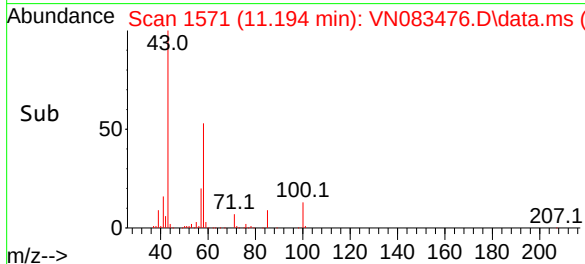
Instrument :
MSVOA_N
ClientSampleId :
VN0826WBS02



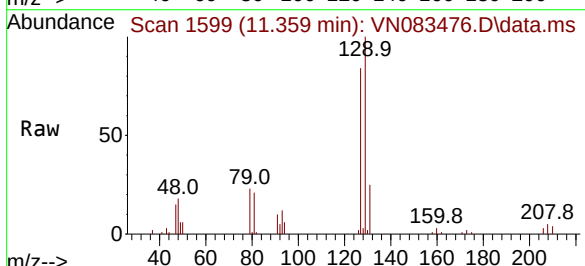
Tgt Ion: 43 Resp: 175774
Ion Ratio Lower Upper
43 100
58 53.1 24.6 73.8

Manual Integrations
APPROVED

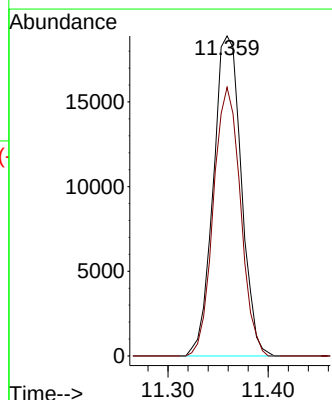
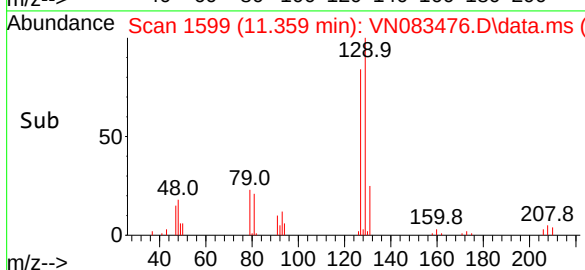
Reviewed By :John Carlone 08/27/2024
Supervised By :Mahesh Dadoda 08/27/2024

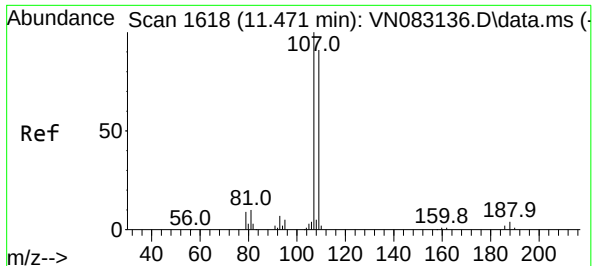


#60
Dibromochloromethane
Concen: 21.247 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VN083476.D
Acq: 26 Aug 2024 12:31



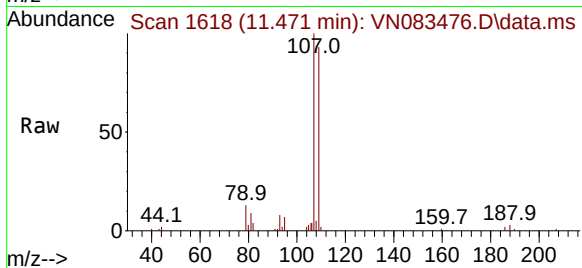
Tgt Ion:129 Resp: 36635
Ion Ratio Lower Upper
129 100
127 81.1 39.2 117.6





#61
1,2-Dibromoethane
Concen: 21.679 ug/l
RT: 11.471 min Scan# 1618
Delta R.T. 0.000 min
Lab File: VN083476.D
Acq: 26 Aug 2024 12:31

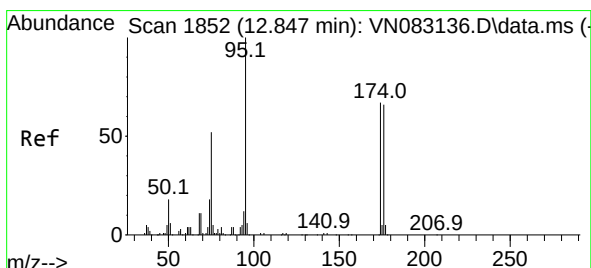
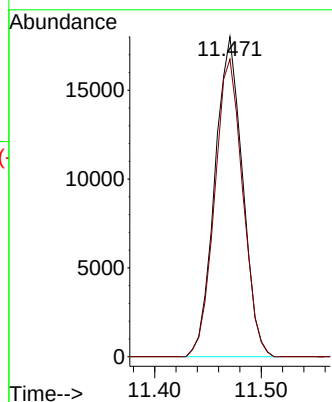
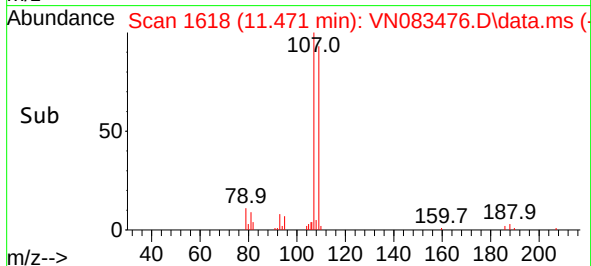
Instrument :
MSVOA_N
ClientSampleId :
VN0826WBS02



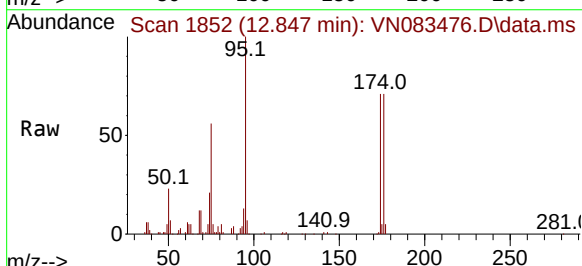
Tgt Ion:107 Resp: 32478
Ion Ratio Lower Upper
107 100
109 94.3 73.7 110.5

Manual Integrations
APPROVED

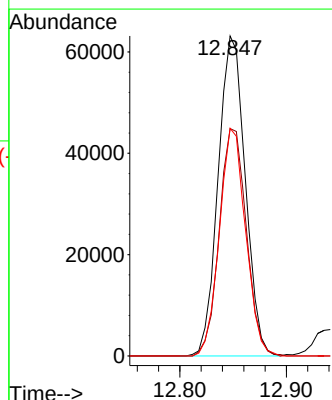
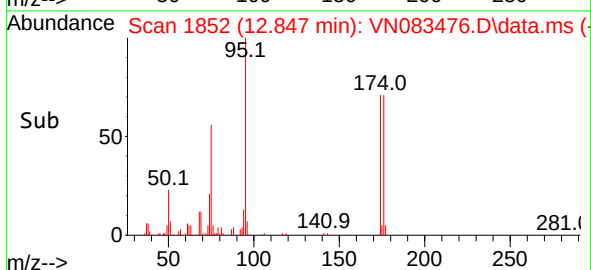
Reviewed By :John Carlone 08/27/2024
Supervised By :Mahesh Dadoda 08/27/2024

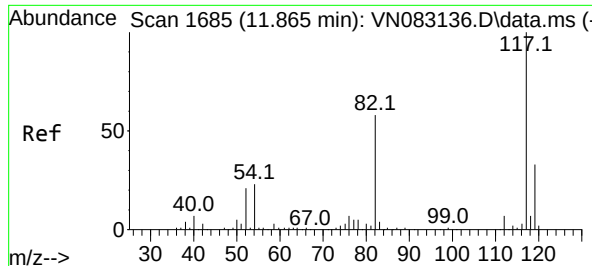


#62
4-Bromofluorobenzene
Concen: 54.772 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN083476.D
Acq: 26 Aug 2024 12:31



Tgt Ion: 95 Resp: 111323
Ion Ratio Lower Upper
95 100
174 71.2 0.0 159.2
176 68.9 0.0 147.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN083476.D

Acq: 26 Aug 2024 12:31

Instrument :

MSVOA_N

ClientSampleId :

VN0826WBS02

Tgt Ion:117 Resp: 199889

Ion Ratio Lower Upper

117 100

82 60.8 47.5 71.3

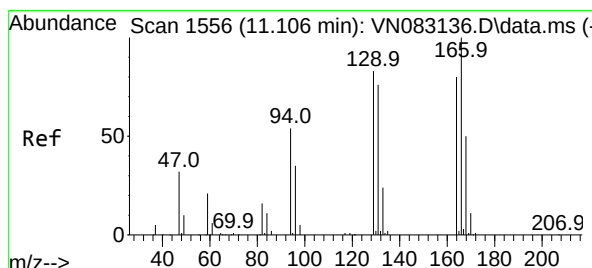
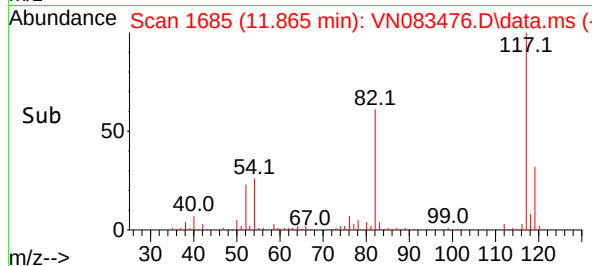
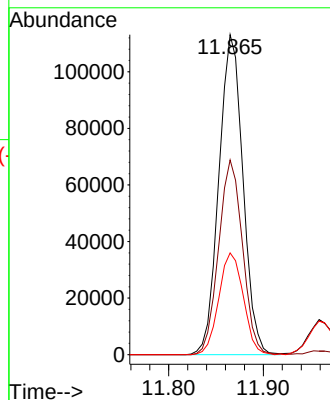
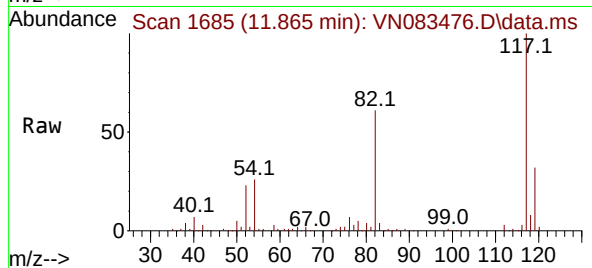
119 31.8 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/27/2024

Supervised By :Mahesh Dadoda 08/27/2024



#64

Tetrachloroethene

Concen: 20.328 ug/l

RT: 11.106 min Scan# 1556

Delta R.T. 0.000 min

Lab File: VN083476.D

Acq: 26 Aug 2024 12:31

Tgt Ion:164 Resp: 26911

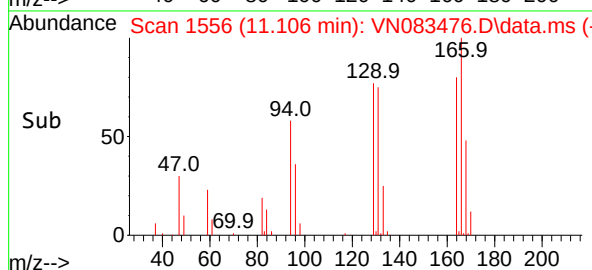
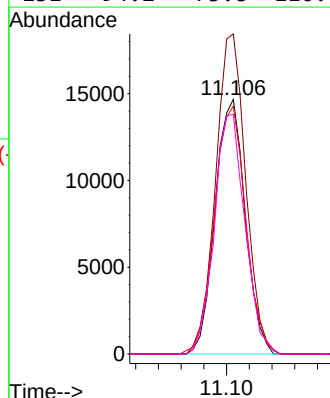
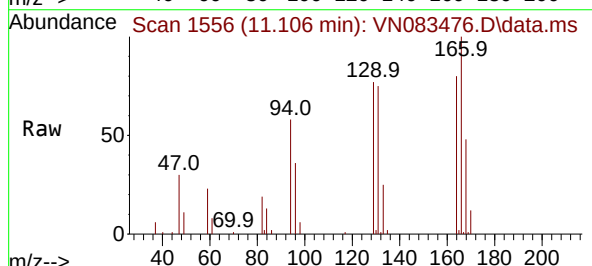
Ion Ratio Lower Upper

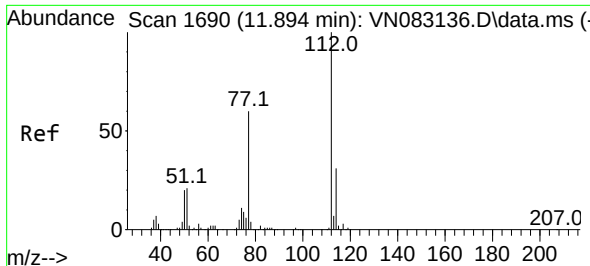
164 100

166 125.7 101.4 152.0

129 97.4 75.7 113.5

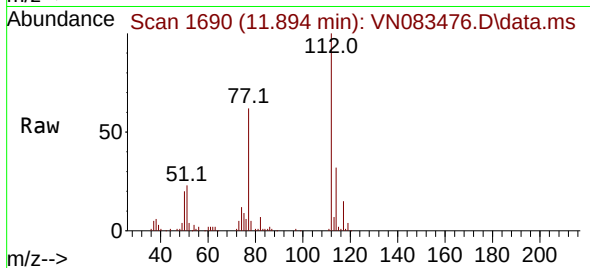
131 94.2 73.8 110.6





#65
Chlorobenzene
Concen: 20.683 ug/l
RT: 11.894 min Scan# 1189
Delta R.T. 0.000 min
Lab File: VN083476.D
Acq: 26 Aug 2024 12:31

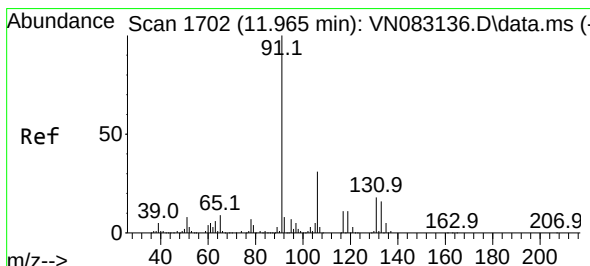
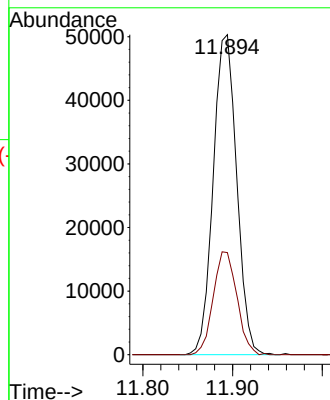
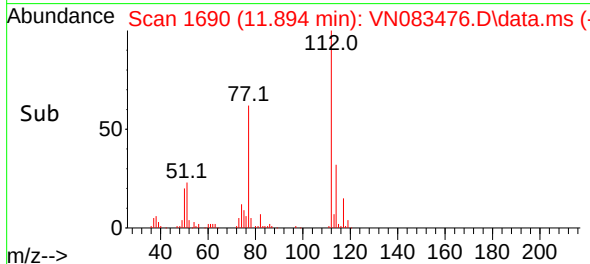
Instrument :
MSVOA_N
ClientSampleId :
VN0826WBS02



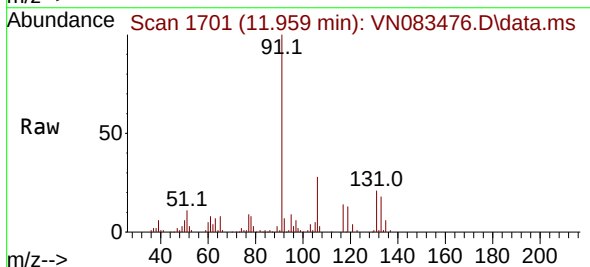
Tgt Ion:112 Resp: 91364
Ion Ratio Lower Upper
112 100
114 31.9 26.2 39.2

Manual Integrations
APPROVED

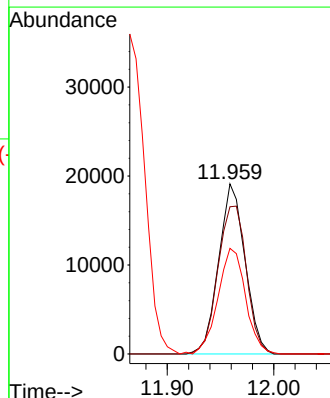
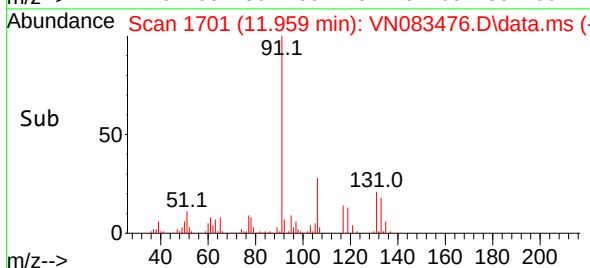
Reviewed By :John Carlone 08/27/2024
Supervised By :Mahesh Dadoda 08/27/2024

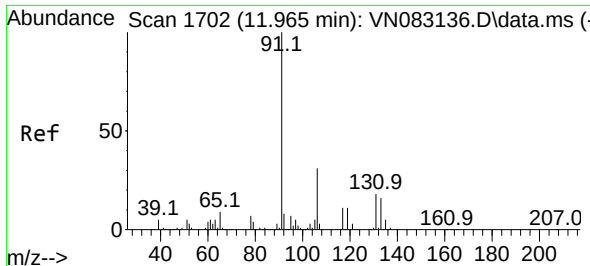


#66
1,1,1,2-Tetrachloroethane
Concen: 21.134 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.006 min
Lab File: VN083476.D
Acq: 26 Aug 2024 12:31



Tgt Ion:131 Resp: 32924
Ion Ratio Lower Upper
131 100
133 94.1 47.3 142.0
119 64.9 32.5 97.4





#67

Ethyl Benzene

Concen: 20.024 ug/l

RT: 11.965 min Scan# 1702

Delta R.T. 0.000 min

Lab File: VN083476.D

Acq: 26 Aug 2024 12:31

Instrument :

MSVOA_N

ClientSampleId :

VN0826WBS02

Tgt Ion: 91 Resp: 162264

Ion Ratio Lower Upper

91 100

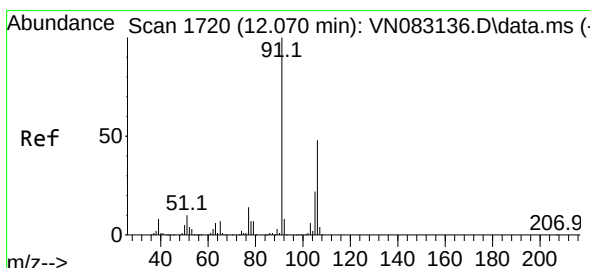
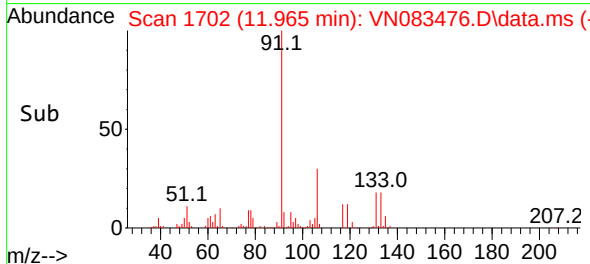
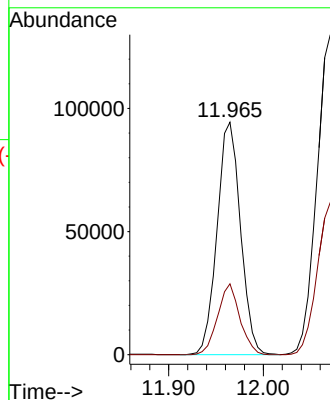
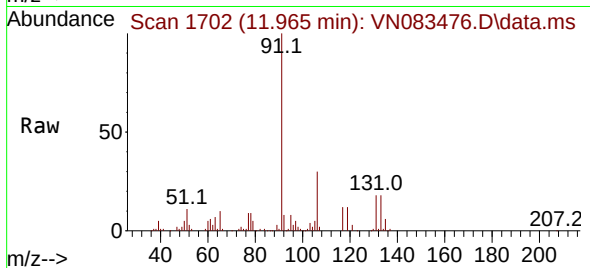
106 30.5 24.0 36.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/27/2024

Supervised By :Mahesh Dadoda 08/27/2024



#68

m/p-Xylenes

Concen: 39.789 ug/l

RT: 12.071 min Scan# 1720

Delta R.T. 0.000 min

Lab File: VN083476.D

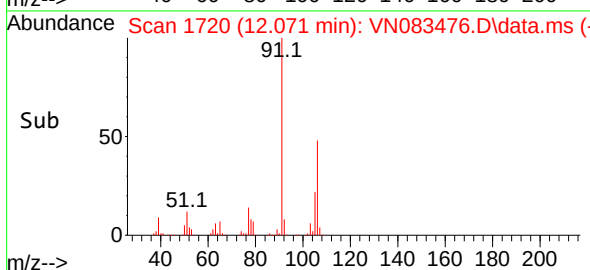
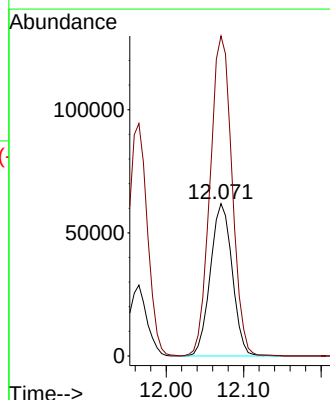
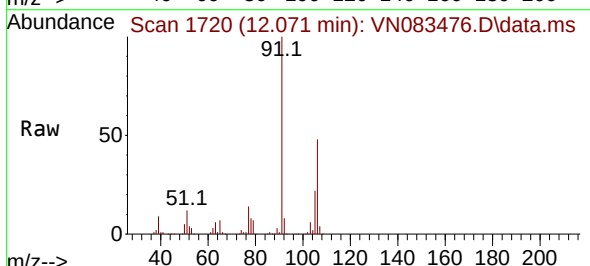
Acq: 26 Aug 2024 12:31

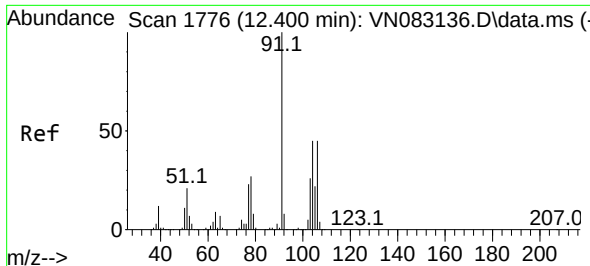
Tgt Ion:106 Resp: 120779

Ion Ratio Lower Upper

106 100

91 212.0 166.1 249.1





#69

o-Xylene

Concen: 19.740 ug/l

RT: 12.400 min Scan# 1776

Delta R.T. 0.000 min

Lab File: VN083476.D

Acq: 26 Aug 2024 12:31

Instrument :

MSVOA_N

ClientSampleId :

VN0826WBS02

Tgt Ion:106 Resp: 59098

Ion Ratio Lower Upper

106 100

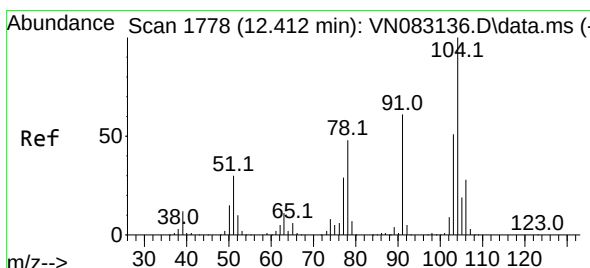
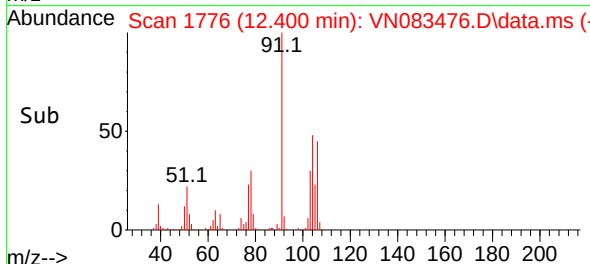
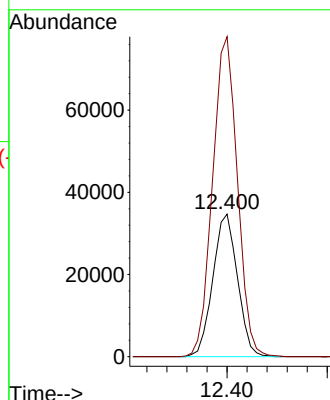
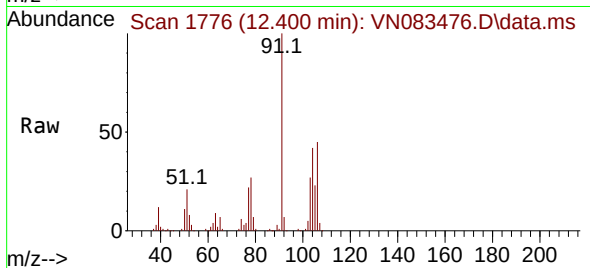
91 226.4 111.3 333.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/27/2024

Supervised By :Mahesh Dadoda 08/27/2024



#70

Styrene

Concen: 19.523 ug/l

RT: 12.412 min Scan# 1778

Delta R.T. 0.000 min

Lab File: VN083476.D

Acq: 26 Aug 2024 12:31

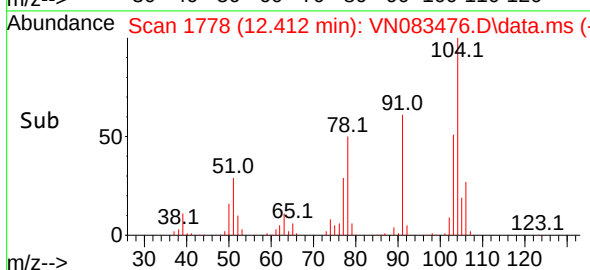
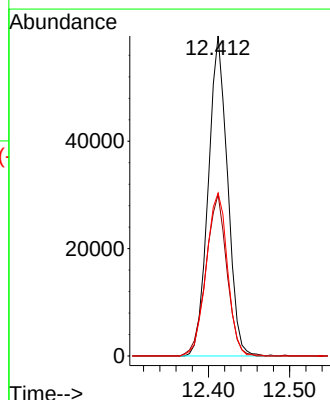
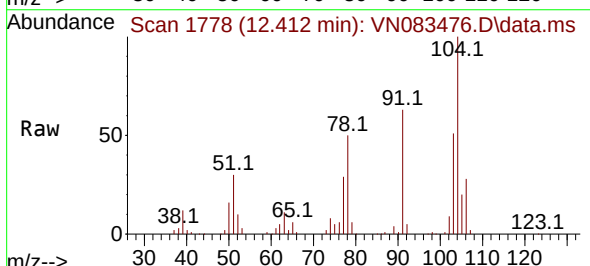
Tgt Ion:104 Resp: 98164

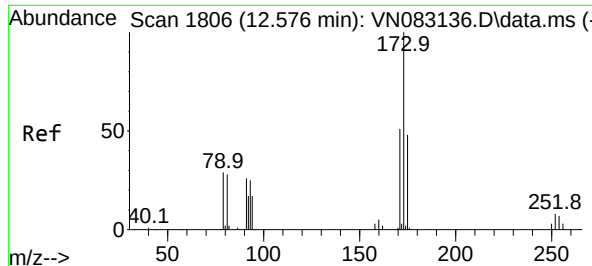
Ion Ratio Lower Upper

104 100

78 54.8 41.6 62.4

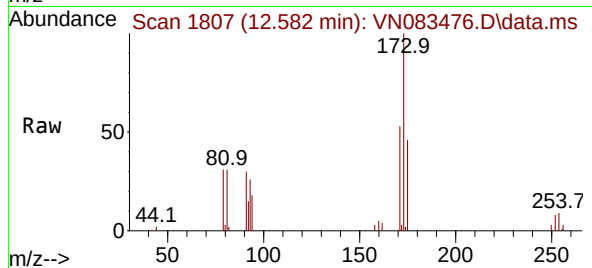
103 56.3 44.0 66.0





#71
Bromoform
Concen: 20.348 ug/l
RT: 12.582 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN083476.D
Acq: 26 Aug 2024 12:31

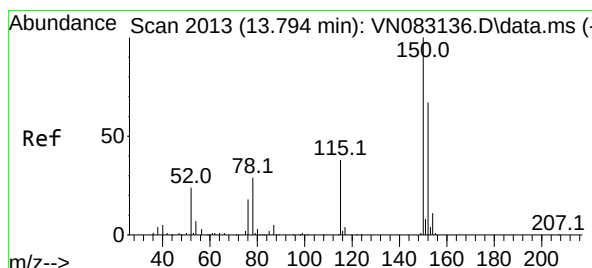
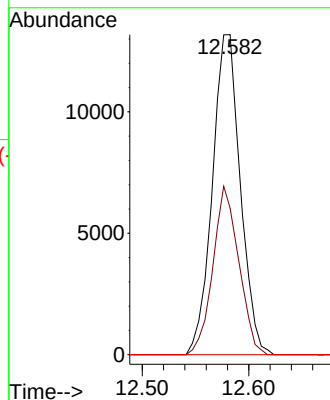
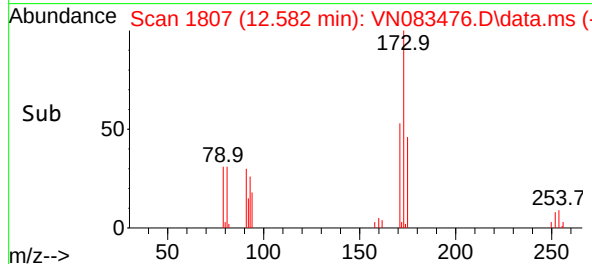
Instrument :
MSVOA_N
ClientSampleId :
VN0826WBS02



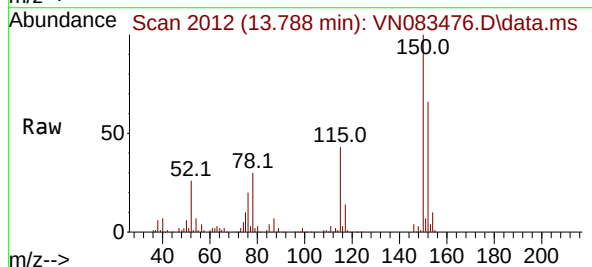
Tgt Ion:173 Resp: 2401
Ion Ratio Lower Upper
173 100
175 48.6 24.0 72.0
254 0.0 0.0 0.0

Manual Integrations
APPROVED

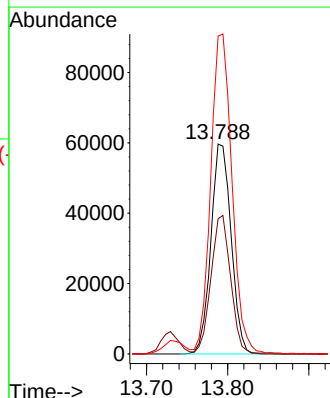
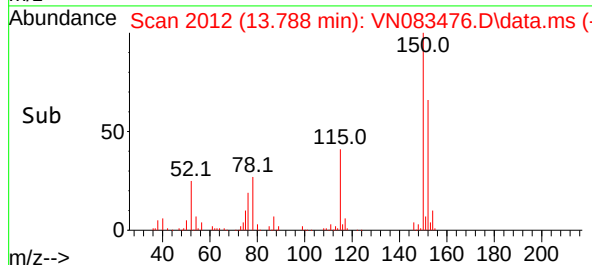
Reviewed By :John Carlone 08/27/2024
Supervised By :Mahesh Dadoda 08/27/2024

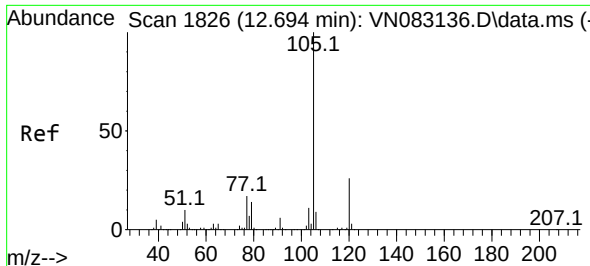


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.006 min
Lab File: VN083476.D
Acq: 26 Aug 2024 12:31



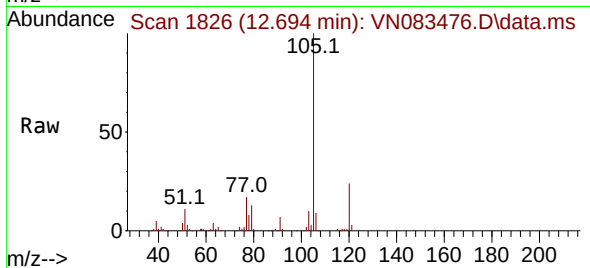
Tgt Ion:152 Resp: 103520
Ion Ratio Lower Upper
152 100
115 63.7 30.6 91.6
150 159.9 0.0 348.6





#73
Isopropylbenzene
Concen: 17.708 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN083476.D
Acq: 26 Aug 2024 12:31

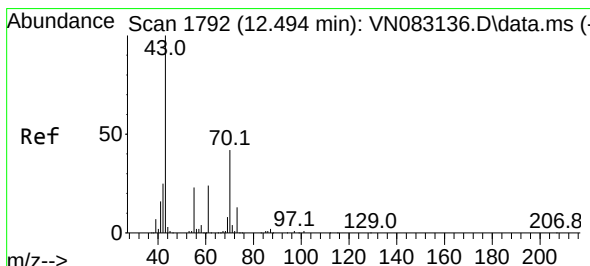
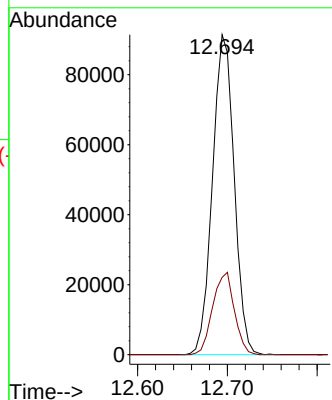
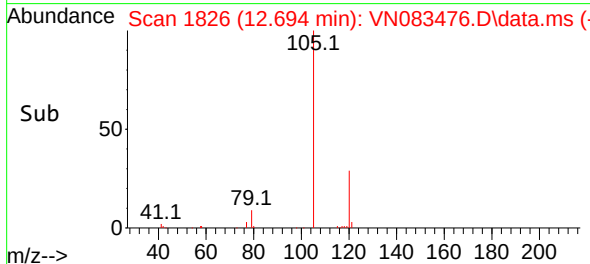
Instrument :
MSVOA_N
ClientSampleId :
VN0826WBS02



Tgt Ion: 105 Resp: 153324
Ion Ratio Lower Upper
105 100
120 25.7 12.9 38.6

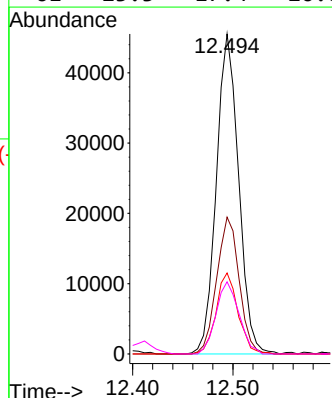
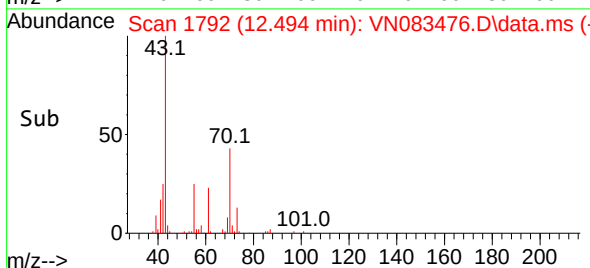
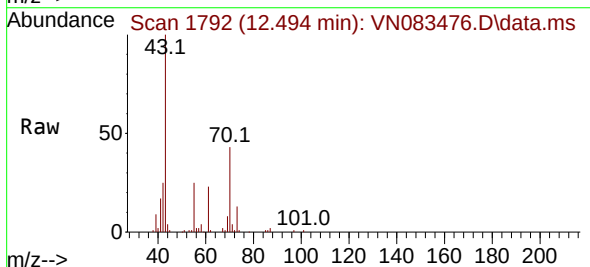
Manual Integrations
APPROVED

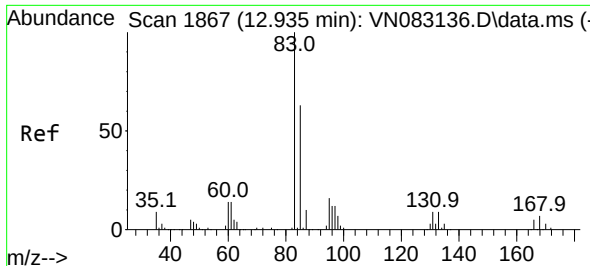
Reviewed By :John Carlone 08/27/2024
Supervised By :Mahesh Dadoda 08/27/2024



#74
N-ethyl acetate
Concen: 16.558 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VN083476.D
Acq: 26 Aug 2024 12:31

Tgt Ion: 43 Resp: 70127
Ion Ratio Lower Upper
43 100
70 43.0 29.8 44.6
55 24.9 18.7 28.1
61 23.3 17.4 26.0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.856 ug/l

RT: 12.935 min Scan# 1867

Delta R.T. 0.000 min

Lab File: VN083476.D

Acq: 26 Aug 2024 12:31

Instrument :

MSVOA_N

ClientSampleId :

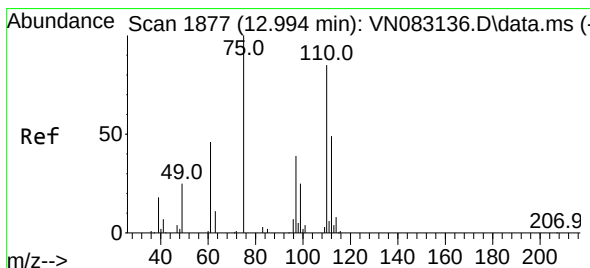
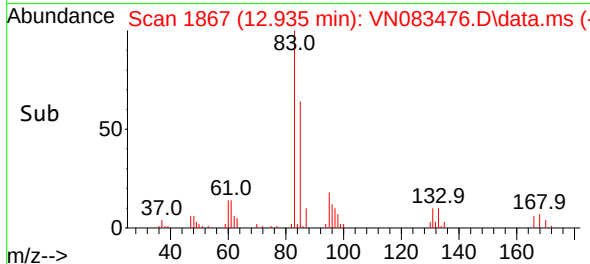
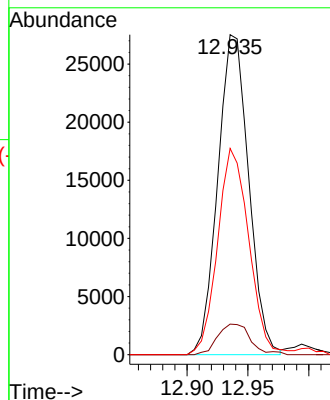
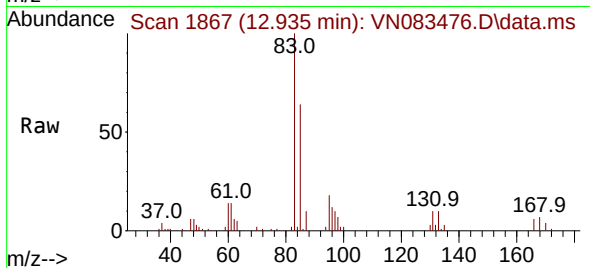
VN0826WBS02

Tgt Ion:	83	Resp:	4862
Ion	Ratio	Lower	Upper
83	100		
131	10.1	5.0	14.9
85	65.1	31.9	95.7

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/27/2024

Supervised By :Mahesh Dadoda 08/27/2024



#76

1,2,3-Trichloropropane

Concen: 19.180 ug/l m

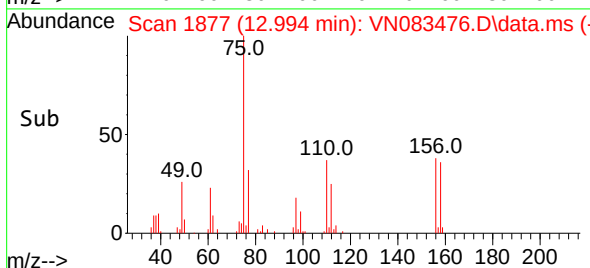
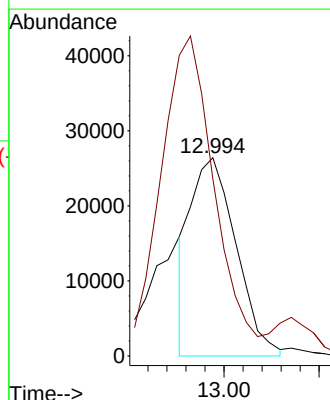
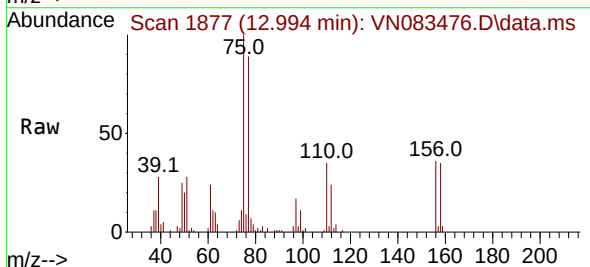
RT: 12.994 min Scan# 1877

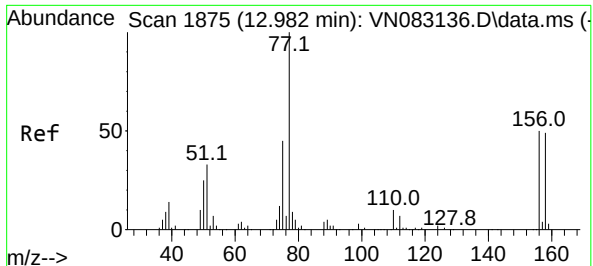
Delta R.T. 0.000 min

Lab File: VN083476.D

Acq: 26 Aug 2024 12:31

Tgt Ion:	75	Resp:	43576
Ion	Ratio	Lower	Upper
75	100		
77	192.6	110.9	332.6





#77

Bromobenzene

Concen: 18.356 ug/l

RT: 12.976 min Scan# 1874

Delta R.T. -0.006 min

Lab File: VN083476.D

Acq: 26 Aug 2024 12:31

Instrument :

MSVOA_N

ClientSampleId :

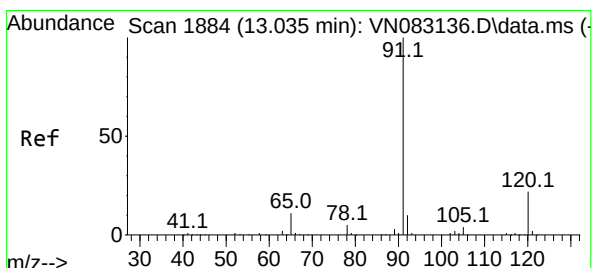
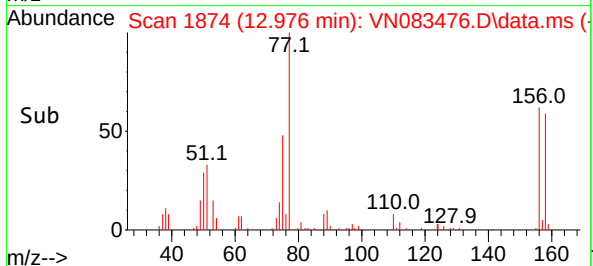
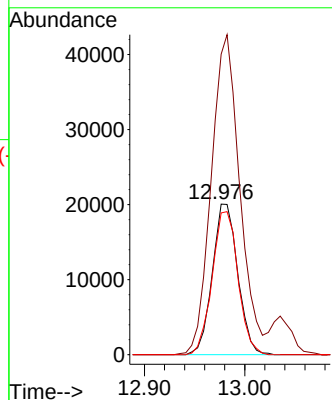
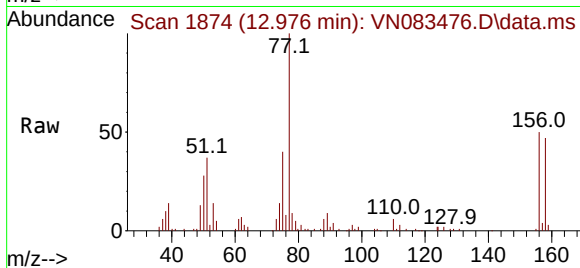
VN0826WBS02

Tgt Ion	Ratio	Lower	Upper
156	100		
77	237.7	111.3	333.8
158	96.6	48.3	144.9

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/27/2024

Supervised By :Mahesh Dadoda 08/27/2024



#78

n-propylbenzene

Concen: 17.560 ug/l

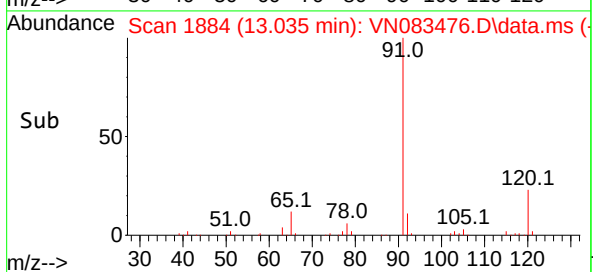
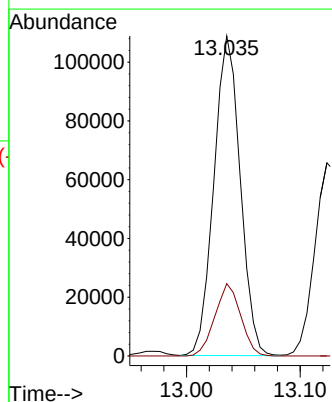
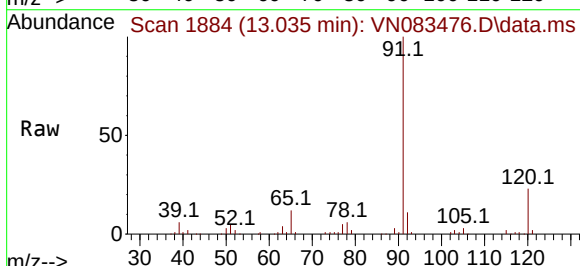
RT: 13.035 min Scan# 1884

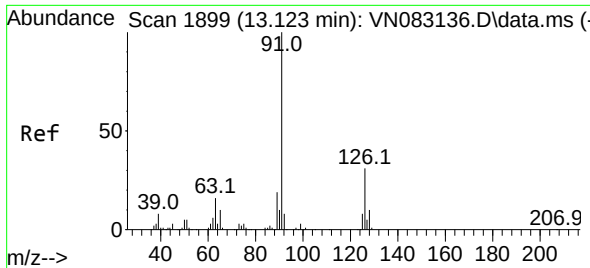
Delta R.T. 0.000 min

Lab File: VN083476.D

Acq: 26 Aug 2024 12:31

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.2	10.9	32.9





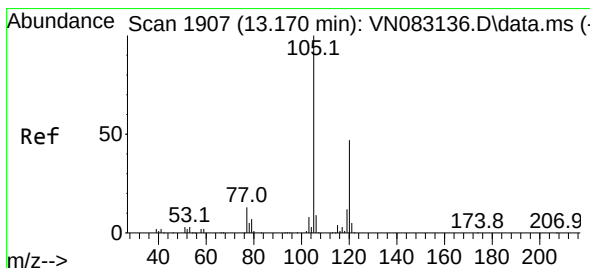
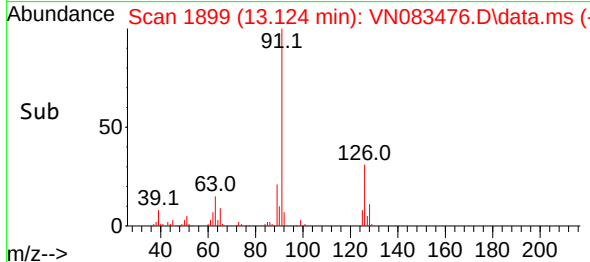
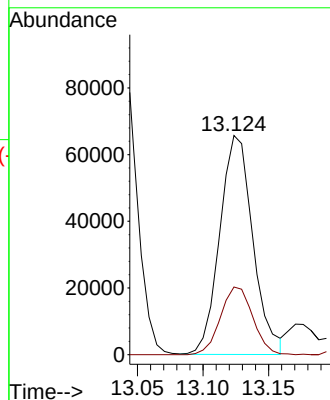
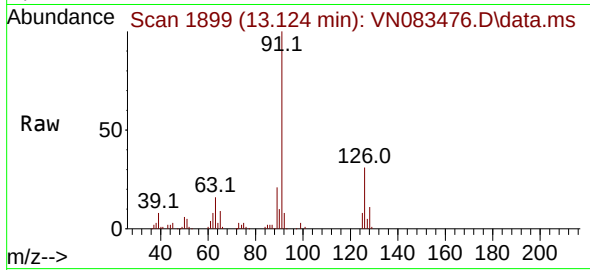
#79
2-Chlorotoluene
Concen: 18.254 ug/l
RT: 13.124 min Scan# 1899
Delta R.T. 0.000 min
Lab File: VN083476.D
Acq: 26 Aug 2024 12:31

Instrument :
MSVOA_N
ClientSampleId :
VN0826WBS02

Tgt Ion: 91 Resp: 115380
Ion Ratio Lower Upper
91 100
126 30.2 16.2 48.6

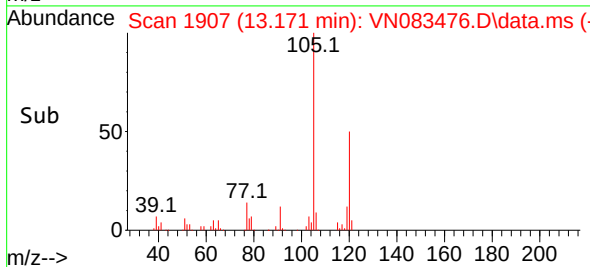
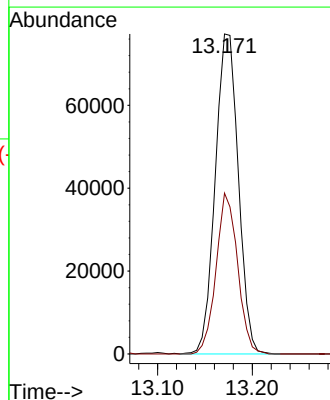
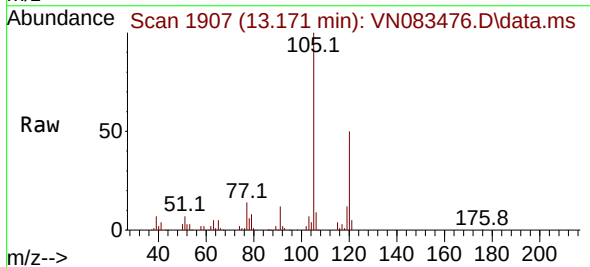
Manual Integrations
APPROVED

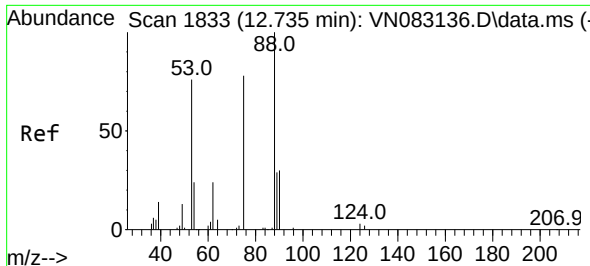
Reviewed By :John Carlone 08/27/2024
Supervised By :Mahesh Dadoda 08/27/2024



#80
1,3,5-Trimethylbenzene
Concen: 18.061 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN083476.D
Acq: 26 Aug 2024 12:31

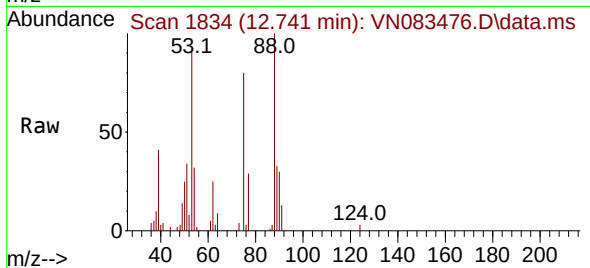
Tgt Ion:105 Resp: 130924
Ion Ratio Lower Upper
105 100
120 46.8 24.3 72.8





#81
trans-1,4-Dichloro-2-butene
Concen: 15.390 ug/l
RT: 12.741 min Scan# 1833
Delta R.T. 0.006 min
Lab File: VN083476.D
Acq: 26 Aug 2024 12:31

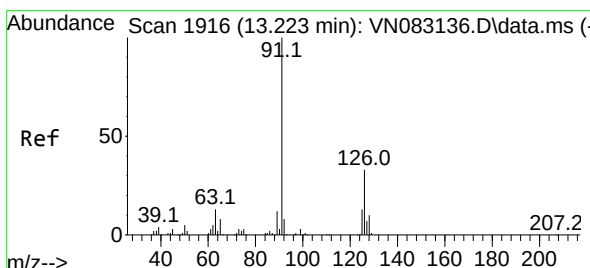
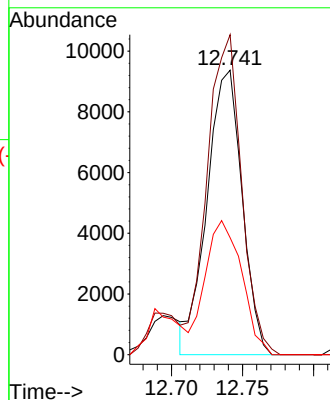
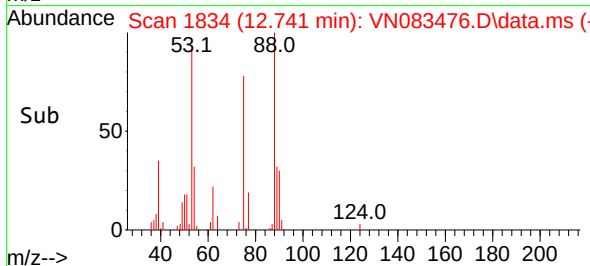
Instrument :
MSVOA_N
ClientSampleId :
VN0826WBS02



Tgt Ion: 75 Resp: 1607
Ion Ratio Lower Upper
75 100
53 110.5 88.4 132.6
89 49.0 36.3 54.5

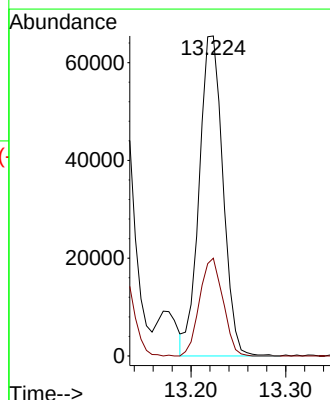
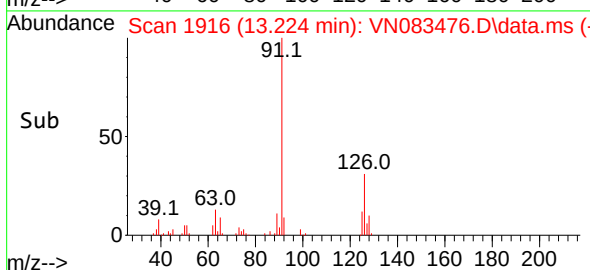
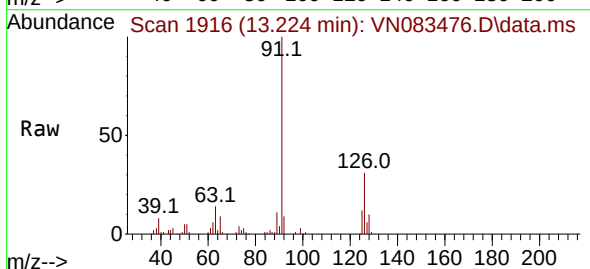
Manual Integrations
APPROVED

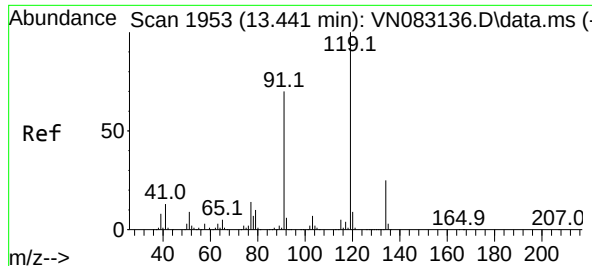
Reviewed By :John Carlone 08/27/2024
Supervised By :Mahesh Dadoda 08/27/2024



#82
4-Chlorotoluene
Concen: 17.961 ug/l
RT: 13.224 min Scan# 1916
Delta R.T. 0.000 min
Lab File: VN083476.D
Acq: 26 Aug 2024 12:31

Tgt Ion: 91 Resp: 113884
Ion Ratio Lower Upper
91 100
126 30.1 16.2 48.6





#83

tert-Butylbenzene

Concen: 17.450 ug/l

RT: 13.441 min Scan# 1953

Delta R.T. 0.000 min

Lab File: VN083476.D

Acq: 26 Aug 2024 12:31

Instrument :

MSVOA_N

ClientSampleId :

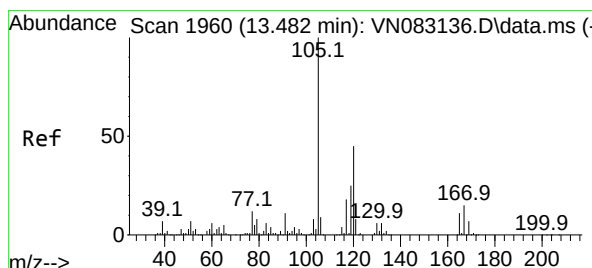
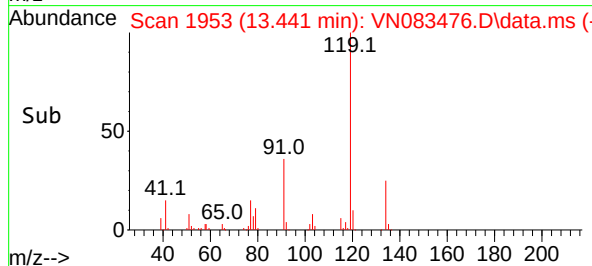
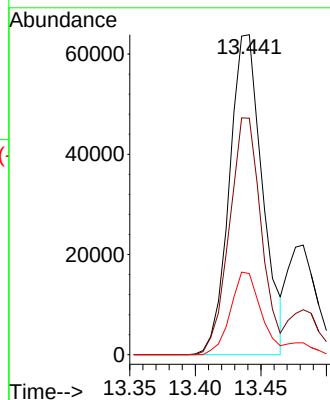
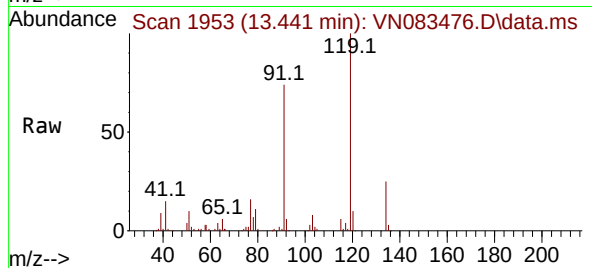
VN0826WBS02

Tgt Ion:	119	Resp:	11202
Ion Ratio	Lower	Upper	
119	100		
91	71.5	35.0	105.1
134	24.5	13.3	39.8

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/27/2024

Supervised By :Mahesh Dadoda 08/27/2024



#84

1,2,4-Trimethylbenzene

Concen: 18.145 ug/l

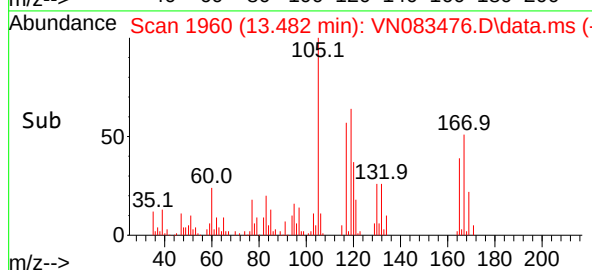
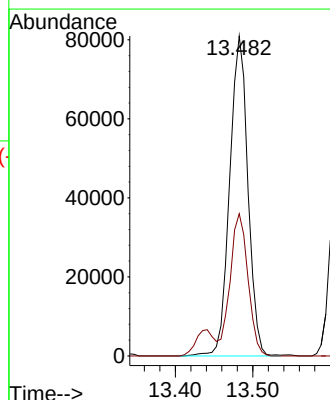
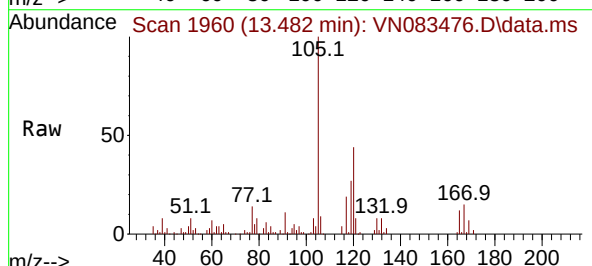
RT: 13.482 min Scan# 1960

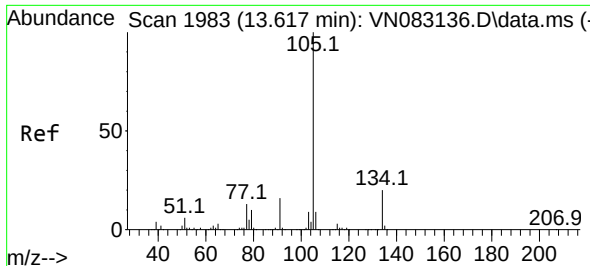
Delta R.T. 0.000 min

Lab File: VN083476.D

Acq: 26 Aug 2024 12:31

Tgt Ion:	105	Resp:	132558
Ion Ratio	Lower	Upper	
105	100		
120	43.9	21.9	65.8





#85

sec-Butylbenzene

Concen: 17.480 ug/l

RT: 13.618 min Scan# 1983

Delta R.T. 0.000 min

Lab File: VN083476.D

Acq: 26 Aug 2024 12:31

Instrument :

MSVOA_N

ClientSampleId :

VN0826WBS02

Tgt Ion:105 Resp: 153110

Ion Ratio Lower Upper

105 100

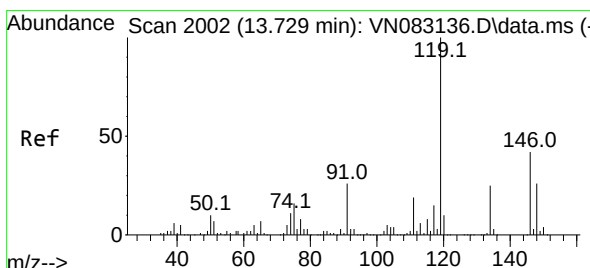
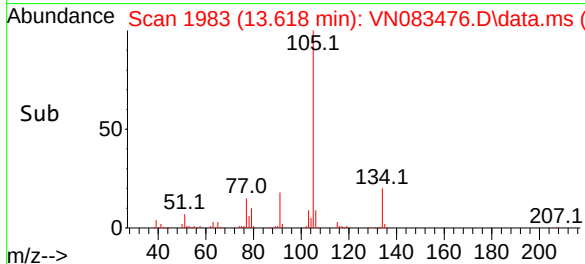
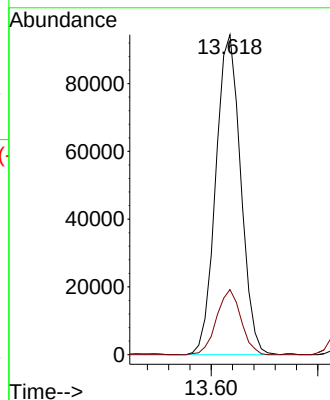
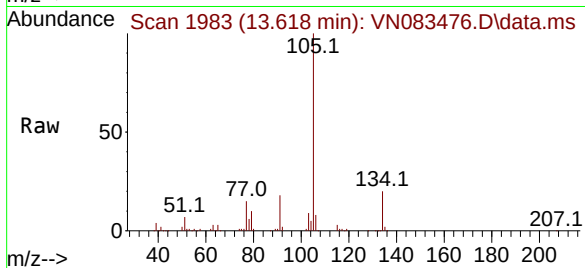
134 19.9 9.8 29.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/27/2024

Supervised By :Mahesh Dadoda 08/27/2024



#86

p-Isopropyltoluene

Concen: 17.410 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. 0.000 min

Lab File: VN083476.D

Acq: 26 Aug 2024 12:31

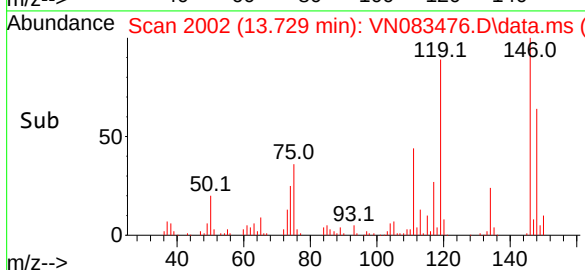
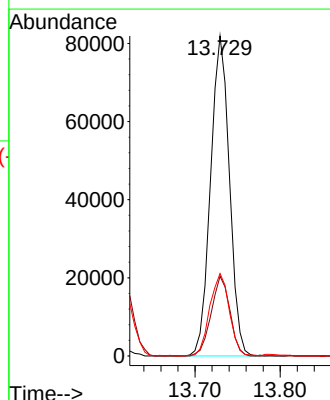
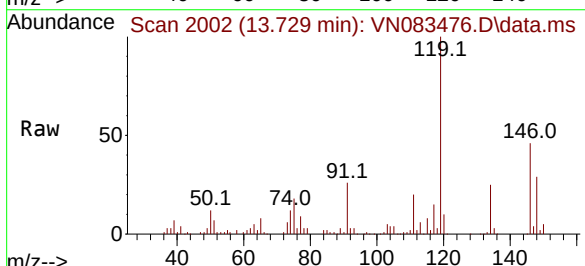
Tgt Ion:119 Resp: 125923

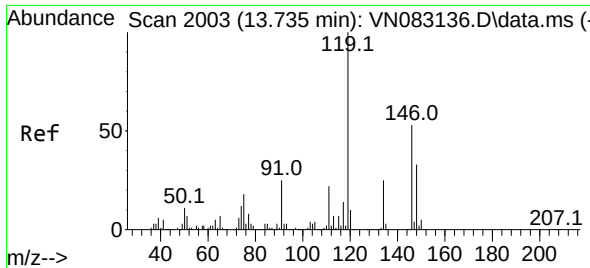
Ion Ratio Lower Upper

119 100

134 24.7 13.0 39.0

91 26.8 12.3 36.9





#87

1,3-Dichlorobenzene

Concen: 18.588 ug/l

RT: 13.735 min Scan# 2003

Delta R.T. 0.000 min

Lab File: VN083476.D

Acq: 26 Aug 2024 12:31

Instrument :

MSVOA_N

ClientSampleId :

VN0826WBS02

Tgt Ion:146 Resp: 6727

Ion Ratio Lower Upper

146 100

111 43.4 20.6 61.9

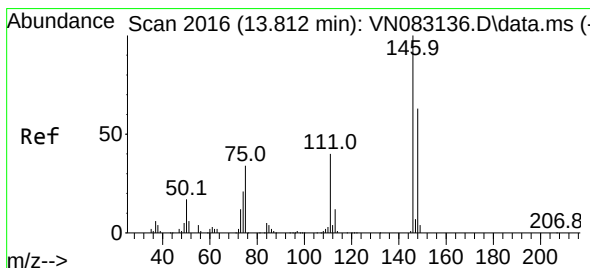
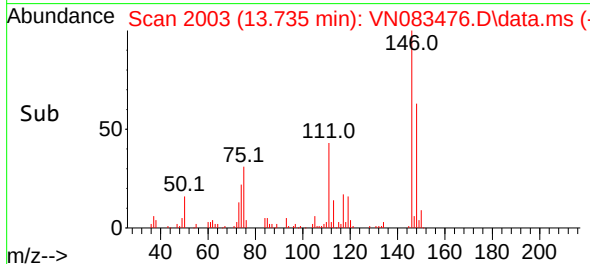
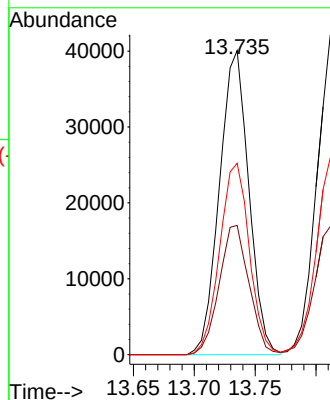
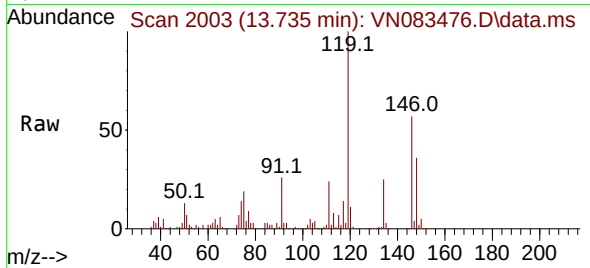
148 63.8 31.8 95.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/27/2024

Supervised By :Mahesh Dadoda 08/27/2024



#88

1,4-Dichlorobenzene

Concen: 18.365 ug/l

RT: 13.812 min Scan# 2016

Delta R.T. 0.000 min

Lab File: VN083476.D

Acq: 26 Aug 2024 12:31

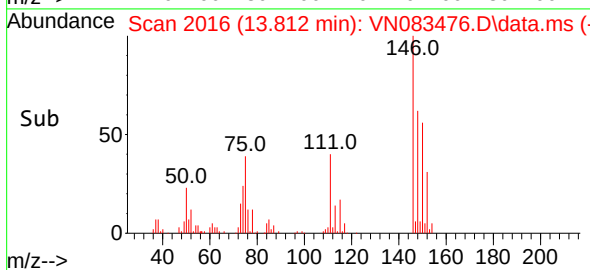
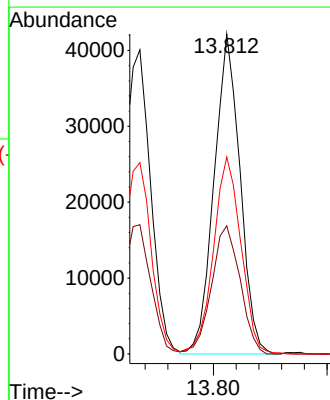
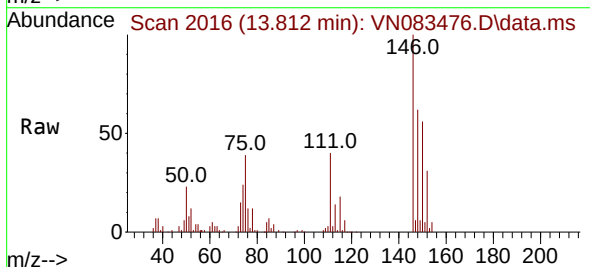
Tgt Ion:146 Resp: 67010

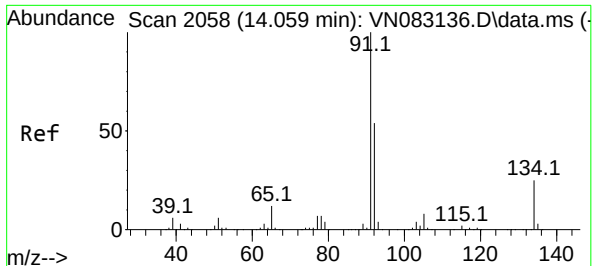
Ion Ratio Lower Upper

146 100

111 44.1 20.1 60.3

148 65.2 32.2 96.6





#89

n-Butylbenzene

Concen: 16.996 ug/l

RT: 14.053 min Scan# 2058

Delta R.T. -0.006 min

Lab File: VN083476.D

Acq: 26 Aug 2024 12:31

Instrument :

MSVOA_N

ClientSampleId :

VN0826WBS02

Tgt Ion: 91 Resp: 106514

Ion Ratio Lower Upper

91 100

92 53.7 26.1 78.3

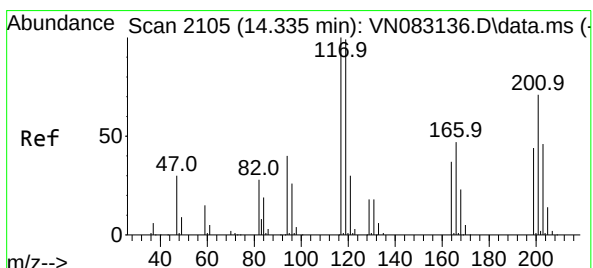
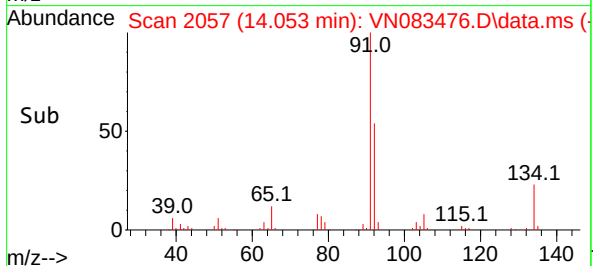
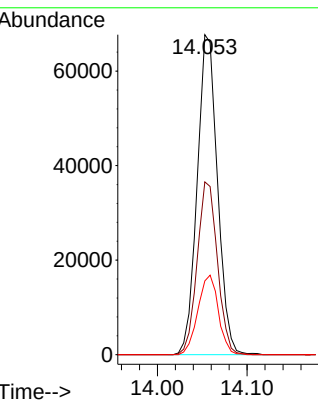
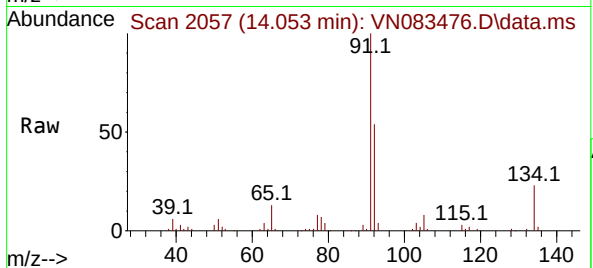
134 25.0 12.1 36.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/27/2024

Supervised By :Mahesh Dadoda 08/27/2024



#90

Hexachloroethane

Concen: 17.885 ug/l

RT: 14.335 min Scan# 2105

Delta R.T. 0.000 min

Lab File: VN083476.D

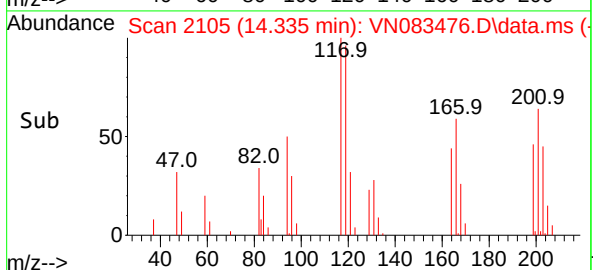
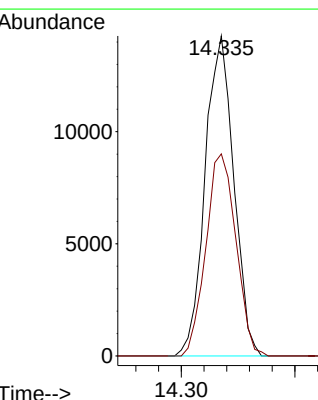
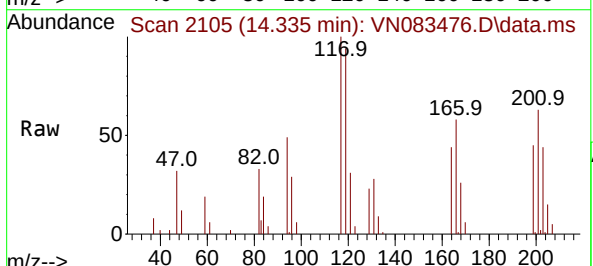
Acq: 26 Aug 2024 12:31

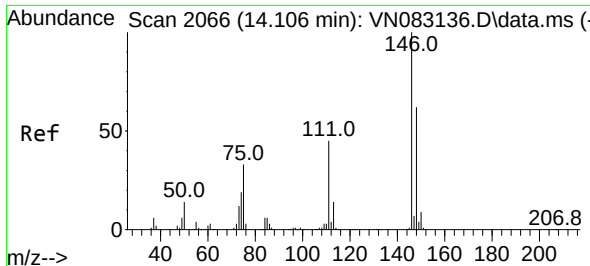
Tgt Ion:117 Resp: 24991

Ion Ratio Lower Upper

117 100

201 66.3 35.8 107.3





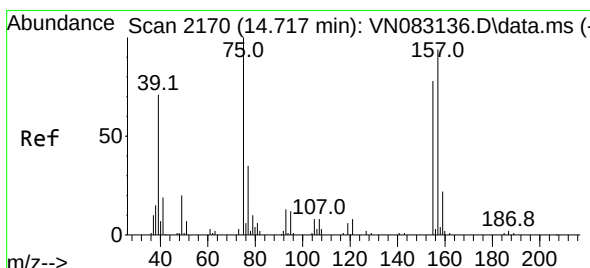
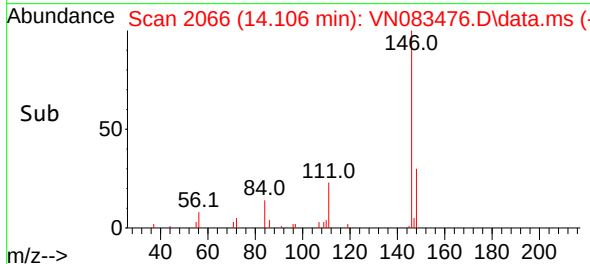
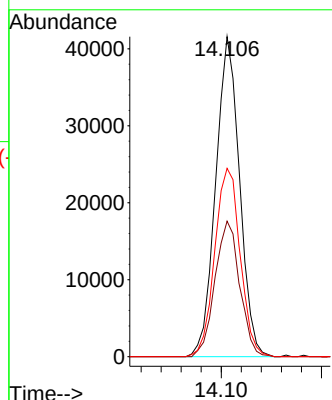
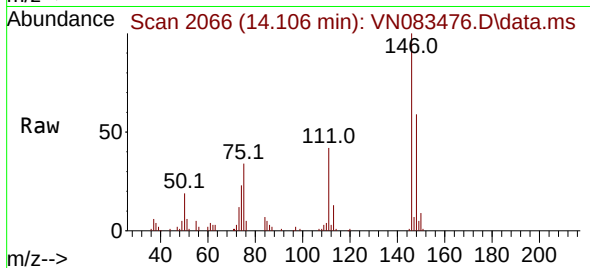
#91
1,2-Dichlorobenzene
Concen: 19.639 ug/l
RT: 14.106 min Scan# 2066
Delta R.T. 0.000 min
Lab File: VN083476.D
Acq: 26 Aug 2024 12:31

Instrument :
MSVOA_N
ClientSampleId :
VN0826WBS02

Tgt Ion:146 Resp: 6878
Ion Ratio Lower Upper
146 100
111 43.8 21.4 64.2
148 62.6 32.1 96.5

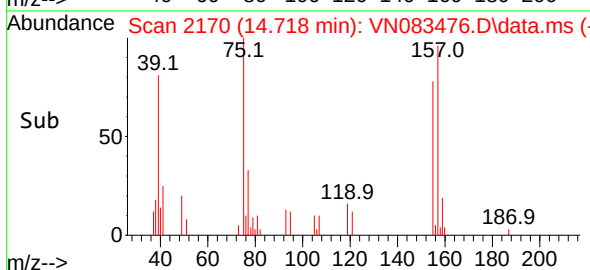
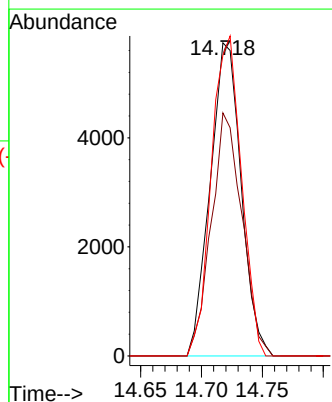
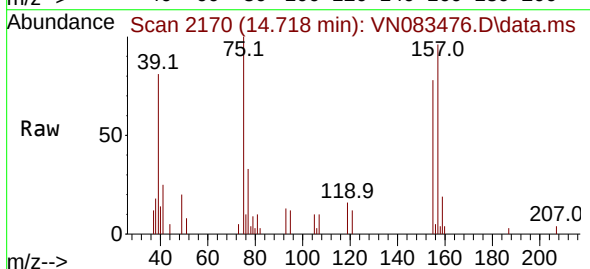
Manual Integrations
APPROVED

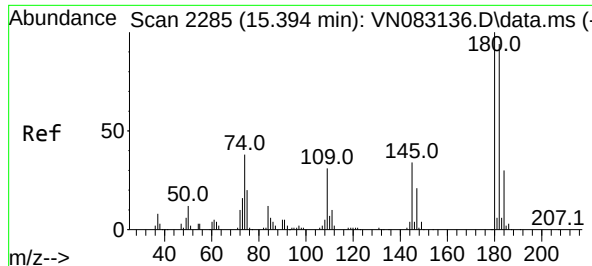
Reviewed By :John Carlone 08/27/2024
Supervised By :Mahesh Dadoda 08/27/2024



#92
1,2-Dibromo-3-Chloropropane
Concen: 17.082 ug/l
RT: 14.718 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN083476.D
Acq: 26 Aug 2024 12:31

Tgt Ion: 75 Resp: 10151
Ion Ratio Lower Upper
75 100
155 76.9 36.6 109.8
157 99.1 46.9 140.6





#93

1,2,4-Trichlorobenzene

Concen: 17.166 ug/l

RT: 15.394 min Scan# 2285

Delta R.T. 0.000 min

Lab File: VN083476.D

Acq: 26 Aug 2024 12:31

Instrument :

MSVOA_N

ClientSampleId :

VN0826WBS02

Tgt Ion:180 Resp: 3368

Ion Ratio Lower Upper

180 100

182 95.2 47.3 141.8

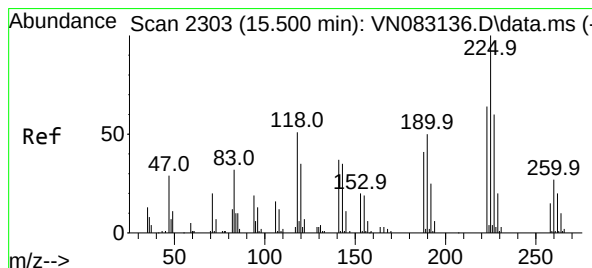
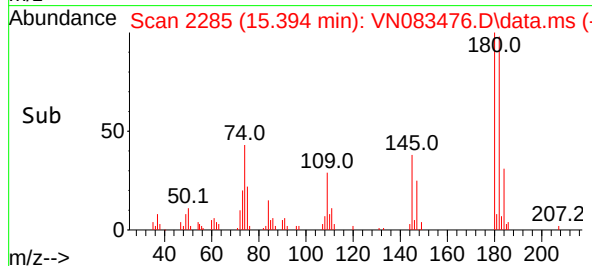
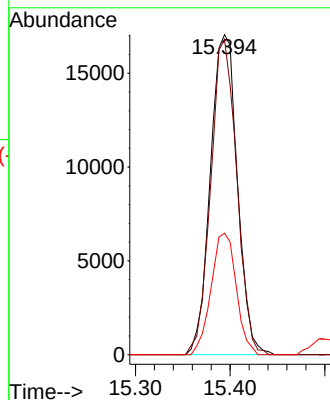
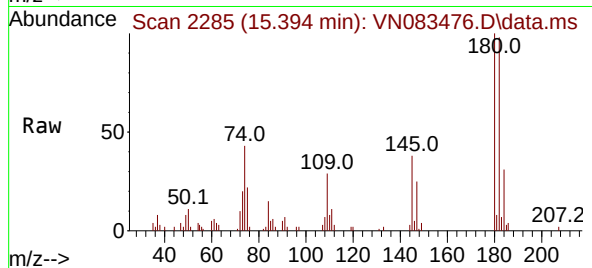
145 35.5 15.7 47.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/27/2024

Supervised By :Mahesh Dadoda 08/27/2024



#94

Hexachlorobutadiene

Concen: 17.190 ug/l

RT: 15.500 min Scan# 2303

Delta R.T. 0.000 min

Lab File: VN083476.D

Acq: 26 Aug 2024 12:31

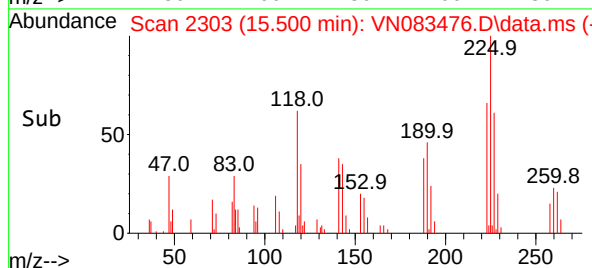
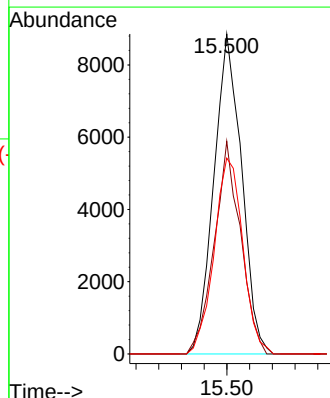
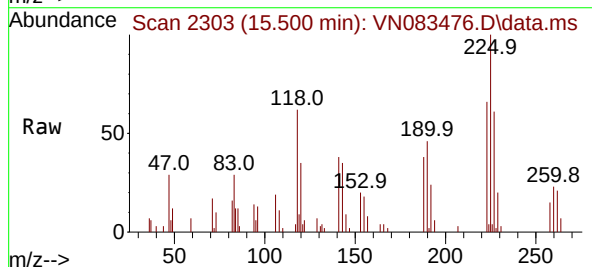
Tgt Ion:225 Resp: 15000

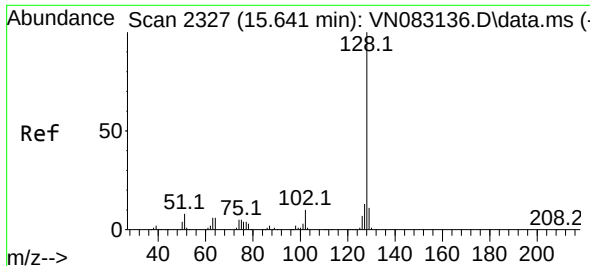
Ion Ratio Lower Upper

225 100

223 63.2 31.9 95.7

227 63.5 32.5 97.5





#95

Naphthalene

Concen: 16.354 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. 0.000 min

Lab File: VN083476.D

Acq: 26 Aug 2024 12:31

Instrument :

MSVOA_N

ClientSampleId :

VN0826WBS02

Tgt Ion:128 Resp: 11366

Ion Ratio Lower Upper

128 100

127 13.0 10.6 16.0

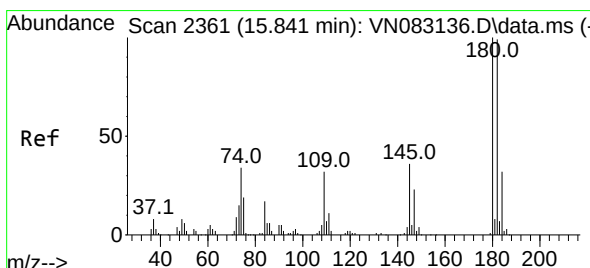
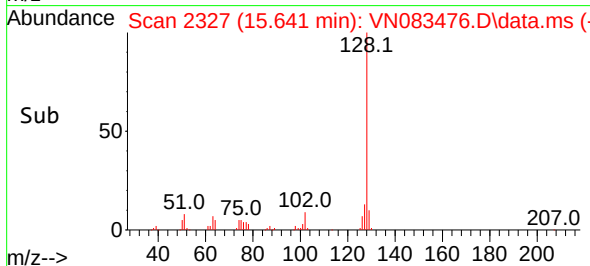
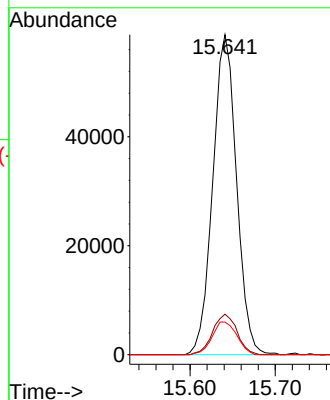
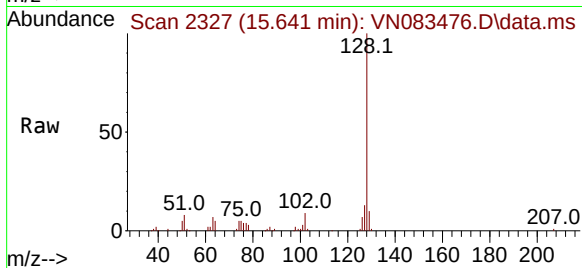
129 10.7 8.6 12.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/27/2024

Supervised By :Mahesh Dadoda 08/27/2024



#96

1,2,3-Trichlorobenzene

Concen: 17.199 ug/l

RT: 15.841 min Scan# 2361

Delta R.T. 0.000 min

Lab File: VN083476.D

Acq: 26 Aug 2024 12:31

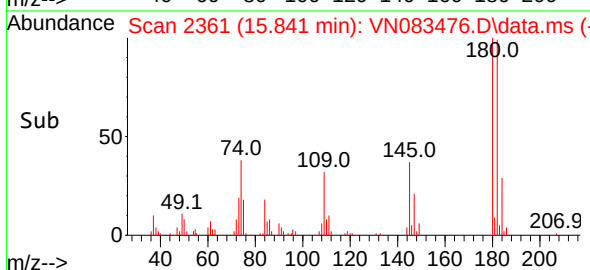
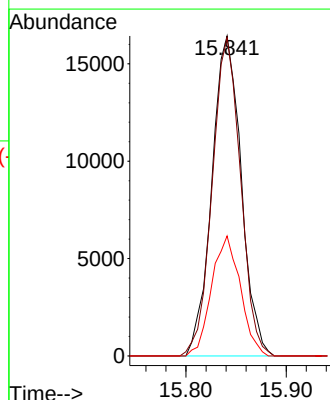
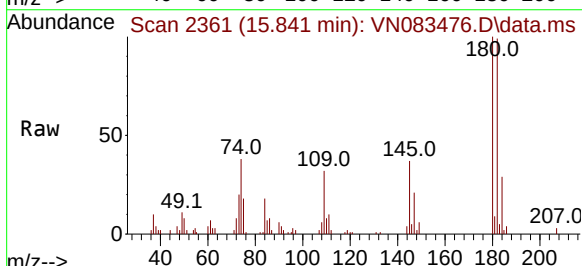
Tgt Ion:180 Resp: 33392

Ion Ratio Lower Upper

180 100

182 95.6 48.9 146.8

145 36.8 16.8 50.4



Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	NYSDEC Andrews St Site #E828144	Date Received:	
Client Sample ID:	VN0827WBS02	SDG No.:	P3716
Lab Sample ID:	VN0827WBS02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
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
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN083502.D	1		08/27/24 12:16	VN082724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	18.4		0.21	1.00	ug/L
74-87-3	Chloromethane	20.8		0.35	1.00	ug/L
75-01-4	Vinyl Chloride	21.8		0.34	1.00	ug/L
74-83-9	Bromomethane	17.9		1.40	5.00	ug/L
75-00-3	Chloroethane	22.7		0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	23.8		0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	23.5		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	21.4		0.26	1.00	ug/L
67-64-1	Acetone	110		1.40	5.00	ug/L
75-15-0	Carbon Disulfide	18.1		0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	22.7		0.16	1.00	ug/L
79-20-9	Methyl Acetate	22.7		0.60	1.00	ug/L
75-09-2	Methylene Chloride	21.2		0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	22.0		0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	24.2		0.23	1.00	ug/L
110-82-7	Cyclohexane	21.1		1.60	5.00	ug/L
78-93-3	2-Butanone	110		1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	22.6		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	22.6		0.25	1.00	ug/L
74-97-5	Bromochloromethane	23.7		0.18	1.00	ug/L
67-66-3	Chloroform	24.3		0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	24.0		0.19	1.00	ug/L
108-87-2	Methylcyclohexane	20.8		0.19	1.00	ug/L
71-43-2	Benzene	22.6		0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	24.2		0.24	1.00	ug/L
79-01-6	Trichloroethene	22.2		0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	24.0		0.19	1.00	ug/L
75-27-4	Bromodichloromethane	22.6		0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	110		0.75	5.00	ug/L
108-88-3	Toluene	22.1		0.18	1.00	ug/L

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	NYSDEC Andrews St Site #E828144	Date Received:	
Client Sample ID:	VN0827WBS02	SDG No.:	P3716
Lab Sample ID:	VN0827WBS02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
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
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN083502.D	1		08/27/24 12:16	VN082724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	21.7		0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	22.6		0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	23.8		0.21	1.00	ug/L
591-78-6	2-Hexanone	110		1.10	5.00	ug/L
124-48-1	Dibromochloromethane	22.2		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	22.4		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	21.3		0.25	1.00	ug/L
108-90-7	Chlorobenzene	22.0		0.13	1.00	ug/L
100-41-4	Ethyl Benzene	21.5		0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	43.1		0.31	2.00	ug/L
95-47-6	o-Xylene	21.4		0.14	1.00	ug/L
100-42-5	Styrene	21.0		0.16	1.00	ug/L
75-25-2	Bromoform	21.3		0.21	1.00	ug/L
98-82-8	Isopropylbenzene	19.6		0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	21.5		0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	20.0		0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.5		0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	20.9		0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	20.2		0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	18.4		0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	18.5		0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	62.3		74 - 125	125%	SPK: 50
1868-53-7	Dibromofluoromethane	59.2		75 - 124	118%	SPK: 50
2037-26-5	Toluene-d8	56.0		86 - 113	112%	SPK: 50
460-00-4	4-Bromofluorobenzene	57.2		77 - 121	114%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	136000	8.218			
540-36-3	1,4-Difluorobenzene	240000	9.1			
3114-55-4	Chlorobenzene-d5	206000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	105000	13.794			

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	NYSDEC Andrews St Site #E828144	Date Received:	
Client Sample ID:	VN0827WBS02	SDG No.:	P3716
Lab Sample ID:	VN0827WBS02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
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
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN083502.D	1		08/27/24 12:16	VN082724

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\VN082724\
 Data File : VN083502.D
 Acq On : 27 Aug 2024 12:16
 Operator : JC\MD
 Sample : VN0827WBS02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0827WBS02

Quant Time: Aug 28 01:43:07 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 08 06:30:41 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 08/31/2024
 Supervised By :Mahesh Dadoda 08/31/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	136048	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	239756	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	206153	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	105331	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	120684	62.321	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 124.640%			
35) Dibromofluoromethane	8.165	113	88616	59.215	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 118.440%			
50) Toluene-d8	10.565	98	312687	56.014	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 112.020%			
62) 4-Bromofluorobenzene	12.847	95	124498	57.206	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 114.420%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	28393	18.404	ug/l	99
3) Chloromethane	2.359	50	32914	20.838	ug/l	100
4) Vinyl Chloride	2.512	62	35073	21.761	ug/l	98
5) Bromomethane	2.901	94	17883	17.882	ug/l	98
6) Chloroethane	3.065	64	22861	22.672	ug/l	95
7) Trichlorofluoromethane	3.465	101	63391	23.809	ug/l	95
8) Diethyl Ether	3.953	74	23927	24.150	ug/l	80
9) 1,1,2-Trichlorotrifluo...	4.353	101	34515	23.513	ug/l	99
10) Methyl Iodide	4.577	142	43838	22.703	ug/l #	96
11) Tert butyl alcohol	5.542	59	37739	93.776	ug/l #	85
12) 1,1-Dichloroethene	4.330	96	32239	21.377	ug/l	87
13) Acrolein	4.171	56	28674	109.323	ug/l	100
14) Allyl chloride	5.012	41	61271	21.499	ug/l	90
15) Acrylonitrile	5.718	53	92040	111.203	ug/l	99
16) Acetone	4.436	43	82211	108.495	ug/l	100
17) Carbon Disulfide	4.695	76	79875	18.101	ug/l	100
18) Methyl Acetate	5.024	43	51211	22.683	ug/l	92
19) Methyl tert-butyl Ether	5.800	73	123484	22.685	ug/l	97
20) Methylene Chloride	5.271	84	36962	21.195	ug/l #	81
21) trans-1,2-Dichloroethene	5.777	96	34246	21.971	ug/l	91
22) Diisopropyl ether	6.665	45	123443	23.043	ug/l	99
23) Vinyl Acetate	6.600	43	670709m	122.147	ug/l	
24) 1,1-Dichloroethane	6.565	63	70575	24.169	ug/l	99
25) 2-Butanone	7.483	43	124863	107.318	ug/l	92
26) 2,2-Dichloropropane	7.489	77	67593	24.926	ug/l	100
27) cis-1,2-Dichloroethene	7.489	96	42467	22.578	ug/l	93
28) Bromochloromethane	7.812	49	28308	23.722	ug/l	89
29) Tetrahydrofuran	7.841	42	82297	109.420	ug/l	89
30) Chloroform	7.965	83	73675	24.286	ug/l	95
31) Cyclohexane	8.253	56	60529	21.092	ug/l	96
32) 1,1,1-Trichloroethane	8.171	97	68829	23.970	ug/l	93
36) 1,1-Dichloropropene	8.371	75	49089	21.684	ug/l	100
37) Ethyl Acetate	7.565	43	52159	20.578	ug/l #	94
38) Carbon Tetrachloride	8.359	117	57721	22.638	ug/l	99
39) Methylcyclohexane	9.600	83	57885	20.818	ug/l	99
40) Benzene	8.606	78	152337	22.589	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082724\
 Data File : VN083502.D
 Acq On : 27 Aug 2024 12:16
 Operator : JC\MD
 Sample : VN0827WBS02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0827WBS02

Quant Time: Aug 28 01:43:07 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 08 06:30:41 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 08/31/2024
 Supervised By :Mahesh Dadoda 08/31/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	29311	20.338	ug/l	95
42) 1,2-Dichloroethane	8.671	62	59340	24.155	ug/l	100
43) Isopropyl Acetate	8.688	43	144180	31.806	ug/l #	91
44) Trichloroethene	9.347	130	35666	22.219	ug/l	96
45) 1,2-Dichloropropane	9.618	63	38389	23.981	ug/l	94
46) Dibromomethane	9.706	93	27027	23.587	ug/l	97
47) Bromodichloromethane	9.888	83	58153	22.603	ug/l	98
48) Methyl methacrylate	9.682	41	43888	20.944	ug/l	94
49) 1,4-Dioxane	9.700	88	15641	413.719	ug/l #	77
51) 4-Methyl-2-Pentanone	10.447	43	259854	108.412	ug/l	93
52) Toluene	10.630	92	94116	22.087	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	57430	21.731	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	63430	22.565	ug/l	91
55) 1,1,2-Trichloroethane	11.018	97	36333	23.793	ug/l	95
56) Ethyl methacrylate	10.877	69	59672	20.729	ug/l	92
57) 1,3-Dichloropropane	11.159	76	64303	23.625	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	125590	103.209	ug/l	96
59) 2-Hexanone	11.200	43	196788	106.123	ug/l	94
60) Dibromochloromethane	11.359	129	40979	22.196	ug/l	99
61) 1,2-Dibromoethane	11.471	107	35892	22.374	ug/l	98
64) Tetrachloroethene	11.100	164	29056	21.282	ug/l	97
65) Chlorobenzene	11.894	112	100165	21.987	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.959	131	35825	22.297	ug/l	100
67) Ethyl Benzene	11.965	91	179472	21.475	ug/l	99
68) m/p-Xylenes	12.071	106	134795	43.057	ug/l	98
69) o-Xylene	12.400	106	65937	21.355	ug/l	98
70) Styrene	12.412	104	108916	21.003	ug/l	97
71) Bromoform	12.576	173	25869	21.253	ug/l #	94
73) Isopropylbenzene	12.694	105	172781	19.612	ug/l	98
74) N-amyl acetate	12.494	43	79589	18.469	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.941	83	53622	21.519	ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	54855m	23.729	ug/l	
77) Bromobenzene	12.982	156	38756	19.803	ug/l	94
78) n-propylbenzene	13.035	91	195597	19.281	ug/l	99
79) 2-Chlorotoluene	13.123	91	126397	19.652	ug/l	98
80) 1,3,5-Trimethylbenzene	13.171	105	145965	19.789	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.741	75	18084	17.016	ug/l	99
82) 4-Chlorotoluene	13.223	91	122044	18.917	ug/l	99
83) tert-Butylbenzene	13.441	119	129839	19.877	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	145589	19.586	ug/l	100
85) sec-Butylbenzene	13.618	105	170884	19.172	ug/l	99
86) p-Isopropyltoluene	13.729	119	142837	19.409	ug/l	97
87) 1,3-Dichlorobenzene	13.735	146	73499	19.959	ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	72536	19.538	ug/l	98
89) n-Butylbenzene	14.059	91	118428	18.572	ug/l	98
90) Hexachloroethane	14.335	117	28242	19.864	ug/l	96
91) 1,2-Dichlorobenzene	14.106	146	74591	20.931	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	12214	20.200	ug/l	97
93) 1,2,4-Trichlorobenzene	15.394	180	36800	18.433	ug/l	99
94) Hexachlorobutadiene	15.500	225	16155	18.195	ug/l	99
95) Naphthalene	15.641	128	122298	17.294	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	36507	18.480	ug/l	95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082724\
Data File : VN083502.D
Acq On : 27 Aug 2024 12:16
Operator : JC\MD
Sample : VN0827WBS02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 28 01:43:07 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 08 06:30:41 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0827WBS02

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 08/31/2024
Supervised By :Mahesh Dadoda 08/31/2024

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

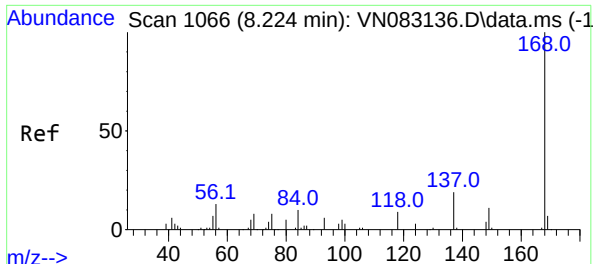
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_N
ClientSampleId :
VN0827WBS02

Manual Integrations

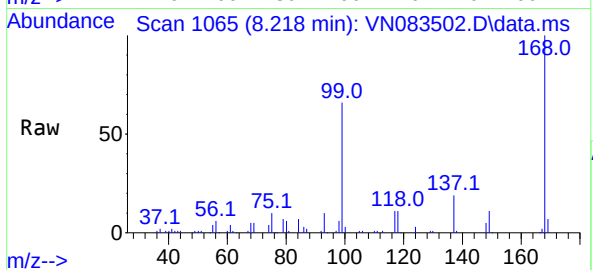
Reviewed By :Semsettin Yesilyurt 08/31/2024
Supervised By :Mahesh Dadoda 08/31/2024





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1066
Delta R.T. -0.006 min
Lab File: VN083502.D
Acq: 27 Aug 2024 12:16

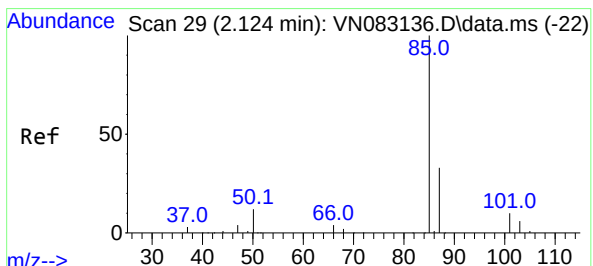
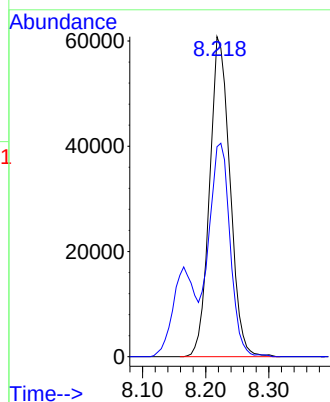
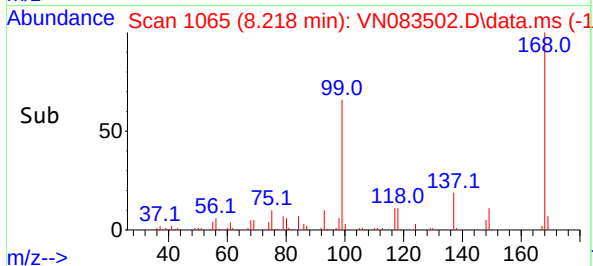
Instrument :
MSVOA_N
Client SampleId :
VN0827WBS02



Tgt Ion:168 Resp: 136048
Ion Ratio Lower Upper
168 100
99 65.6 48.2 72.4

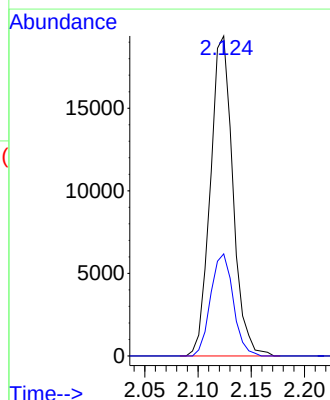
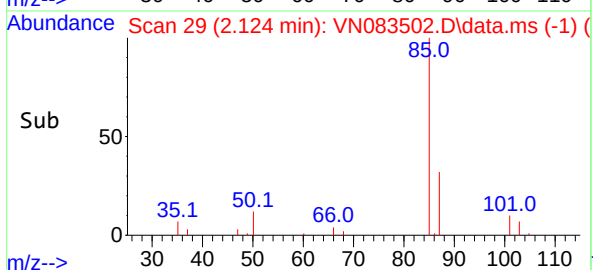
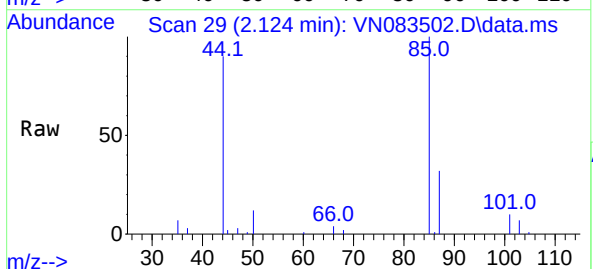
Manual Integrations
APPROVED

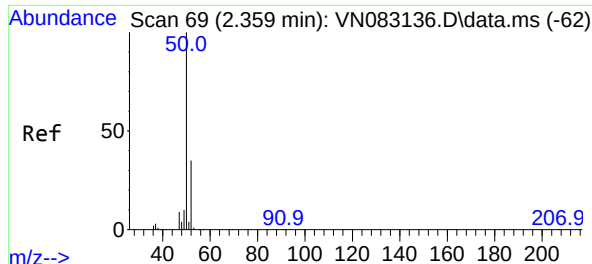
Reviewed By :Semsettin Yesilyurt 08/31/2024
Supervised By :Mahesh Dadoda 08/31/2024



#2
Dichlorodifluoromethane
Concen: 18.404 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN083502.D
Acq: 27 Aug 2024 12:16

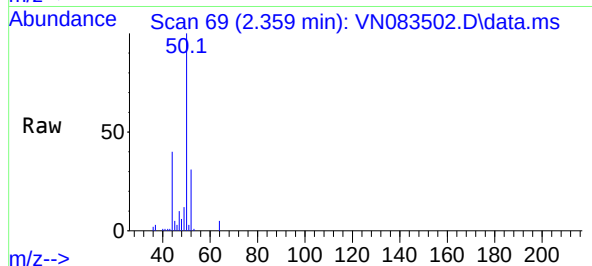
Tgt Ion: 85 Resp: 28393
Ion Ratio Lower Upper
85 100
87 31.9 15.7 47.0





#3
Chloromethane
Concen: 20.838 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN083502.D
Acq: 27 Aug 2024 12:16

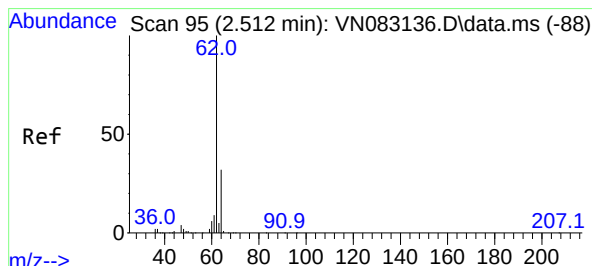
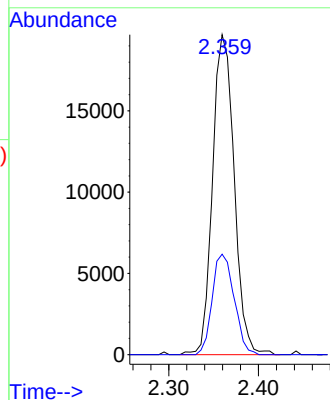
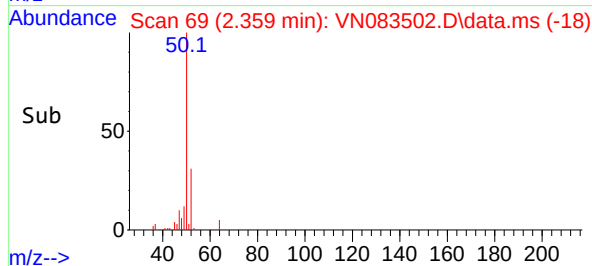
Instrument :
MSVOA_N
ClientSampleId :
VN0827WBS02



Tgt Ion: 50 Resp: 32914
Ion Ratio Lower Upper
50 100
52 31.4 25.0 37.4

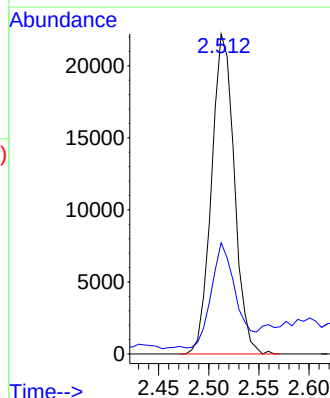
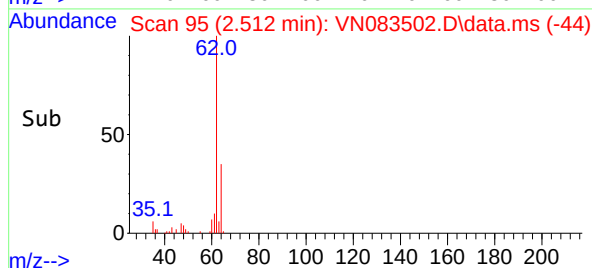
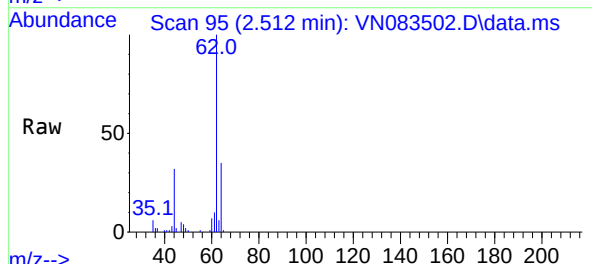
Manual Integrations APPROVED

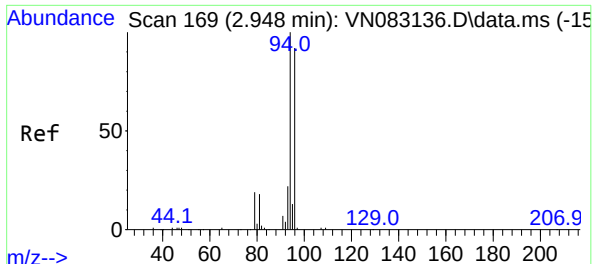
Reviewed By :Semsettin Yesilyurt 08/31/2024
Supervised By :Mahesh Dadoda 08/31/2024



#4
Vinyl Chloride
Concen: 21.761 ug/l
RT: 2.512 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN083502.D
Acq: 27 Aug 2024 12:16

Tgt Ion: 62 Resp: 35073
Ion Ratio Lower Upper
62 100
64 32.4 25.0 37.6





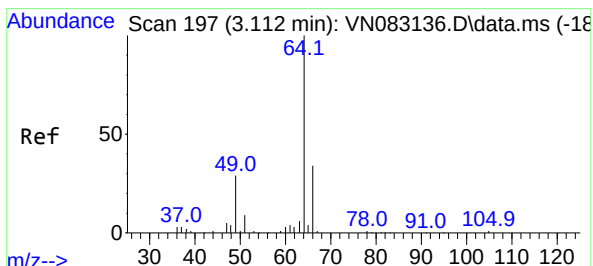
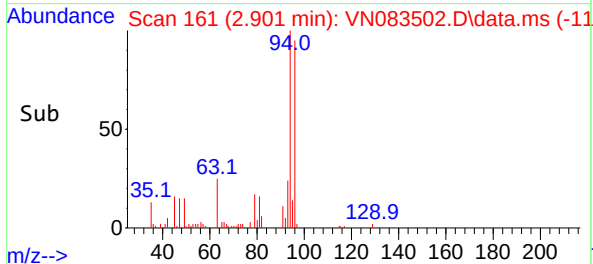
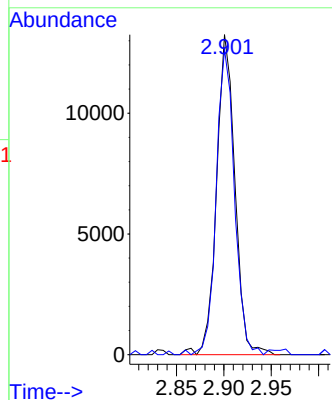
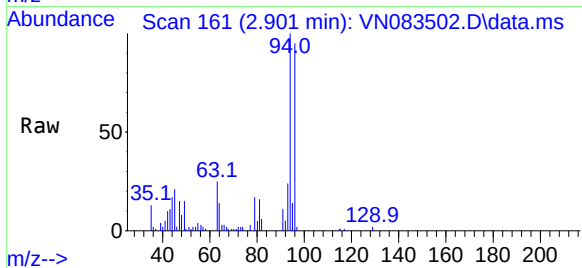
#5
Bromomethane
Concen: 17.882 ug/l
RT: 2.901 min Scan# 11
Delta R.T. -0.047 min
Lab File: VN083502.D
Acq: 27 Aug 2024 12:16

Instrument :
MSVOA_N
ClientSampleId :
VN0827WBS02

Tgt Ion: 94 Resp: 1788
Ion Ratio Lower Upper
94 100
96 95.4 78.0 117.0

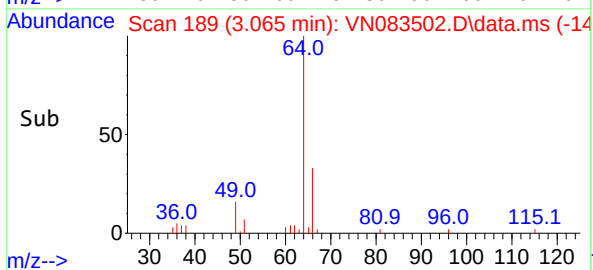
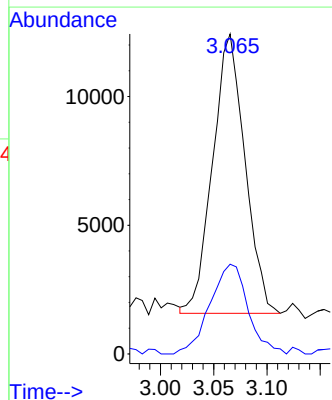
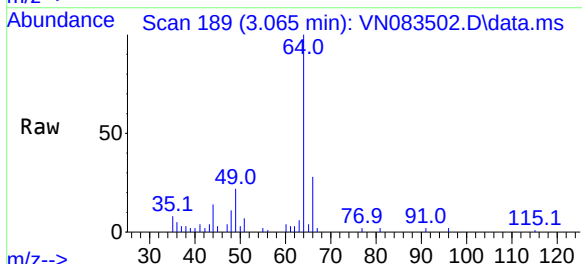
Manual Integrations
APPROVED

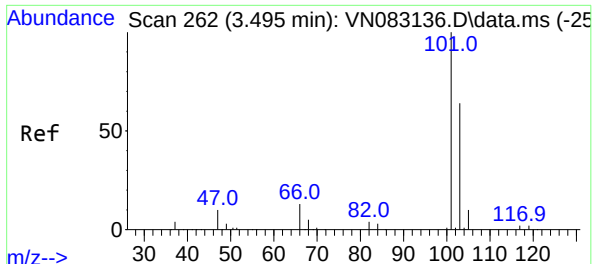
Reviewed By :Semsettin Yesilyurt 08/31/2024
Supervised By :Mahesh Dadoda 08/31/2024



#6
Chloroethane
Concen: 22.672 ug/l
RT: 3.065 min Scan# 189
Delta R.T. -0.047 min
Lab File: VN083502.D
Acq: 27 Aug 2024 12:16

Tgt Ion: 64 Resp: 22861
Ion Ratio Lower Upper
64 100
66 30.6 26.6 40.0





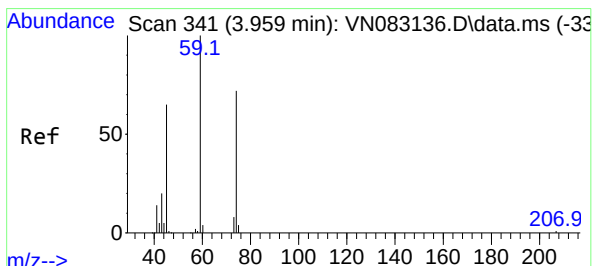
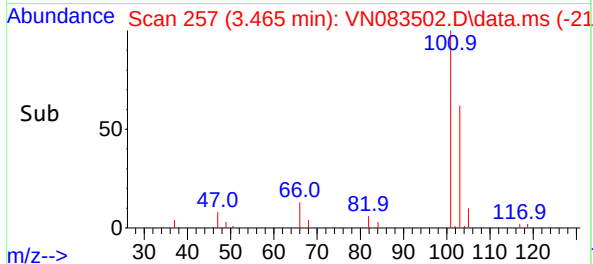
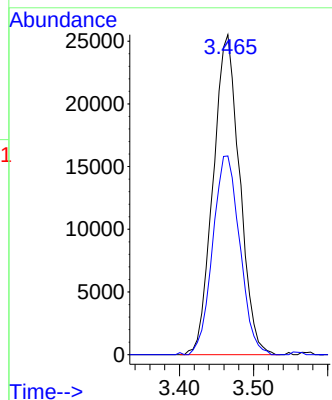
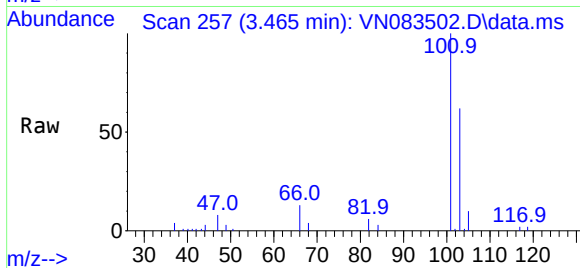
#7
Trichlorofluoromethane
Concen: 23.809 ug/l
RT: 3.465 min Scan# 21
Delta R.T. -0.030 min
Lab File: VN083502.D
Acq: 27 Aug 2024 12:16

Instrument :
MSVOA_N
ClientSampleId :
VN0827WBS02

Tgt Ion:101 Resp: 6339
Ion Ratio Lower Upper
101 100
103 62.1 52.7 79.1

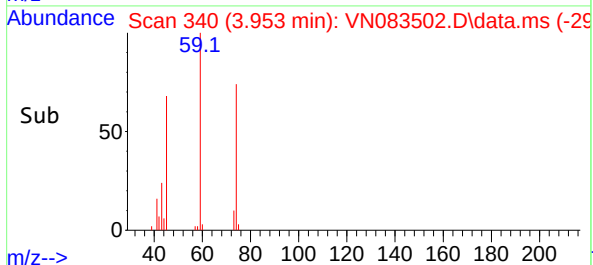
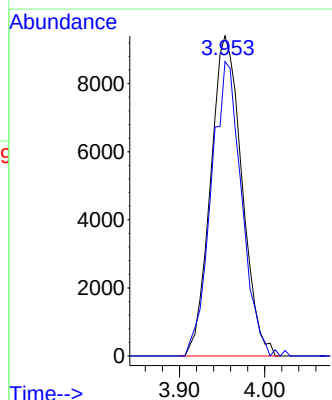
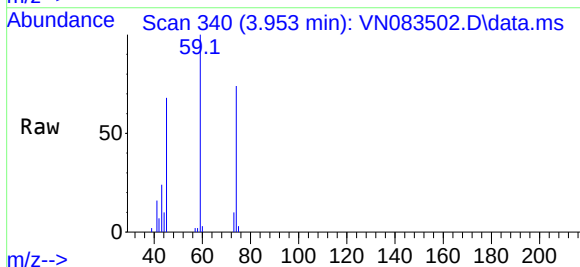
Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 08/31/2024
Supervised By :Mahesh Dadoda 08/31/2024

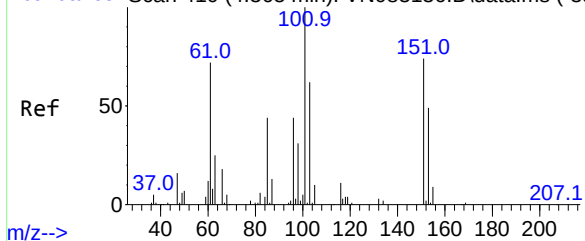


#8
Diethyl Ether
Concen: 24.150 ug/l
RT: 3.953 min Scan# 340
Delta R.T. -0.006 min
Lab File: VN083502.D
Acq: 27 Aug 2024 12:16

Tgt Ion: 74 Resp: 23927
Ion Ratio Lower Upper
74 100
45 89.7 55.5 166.3



Abundance Scan 410 (4.365 min): VN083136.D\data.ms (-39



#9
1,1,2-Trichlorotrifluoroethane
Concen: 23.513 ug/l
RT: 4.353 min Scan# 408
Delta R.T. -0.012 min
Lab File: VN083502.D
Acq: 27 Aug 2024 12:16

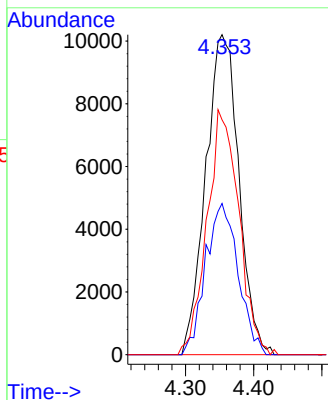
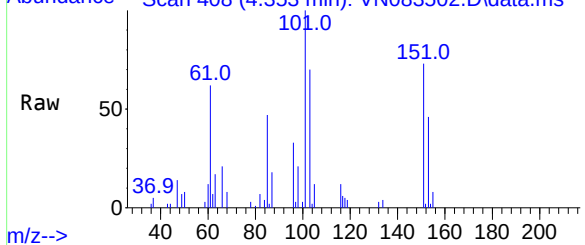
Instrument :
MSVOA_N
ClientSampleId :
VN0827WBS02

Tgt Ion	101	Resp	3451
Ion	Ratio	Lower	Upper
101	100		
85	46.6	38.3	57.5
151	73.5	59.3	88.9

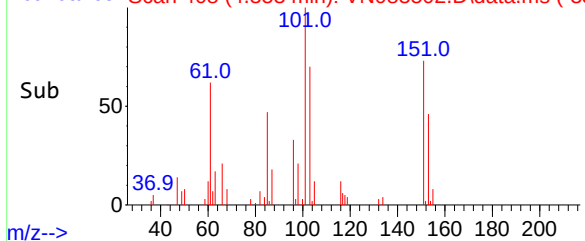
Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 08/31/2024
Supervised By :Mahesh Dadoda 08/31/2024

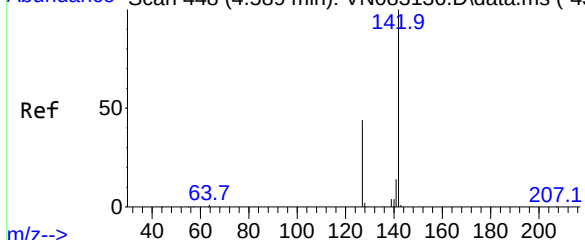
Abundance Scan 408 (4.353 min): VN083502.D\data.ms



Abundance Scan 408 (4.353 min): VN083502.D\data.ms (-35



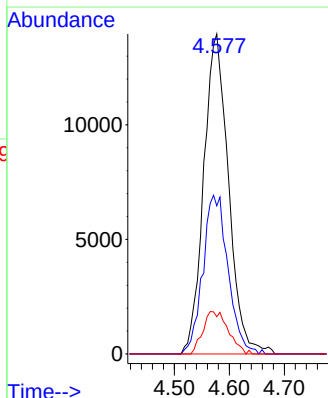
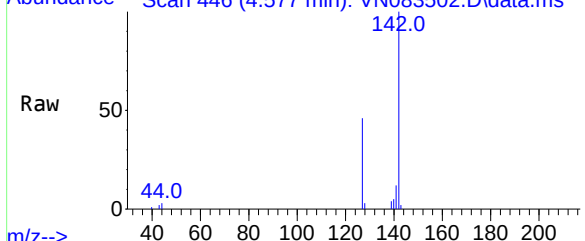
Abundance Scan 448 (4.589 min): VN083136.D\data.ms (-43



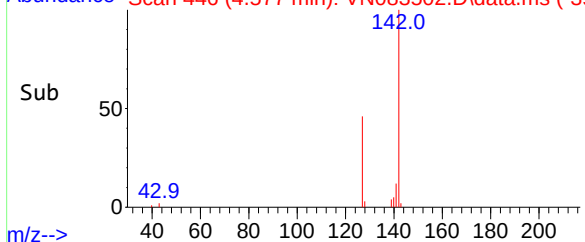
#10
Methyl Iodide
Concen: 22.703 ug/l
RT: 4.577 min Scan# 446
Delta R.T. -0.012 min
Lab File: VN083502.D
Acq: 27 Aug 2024 12:16

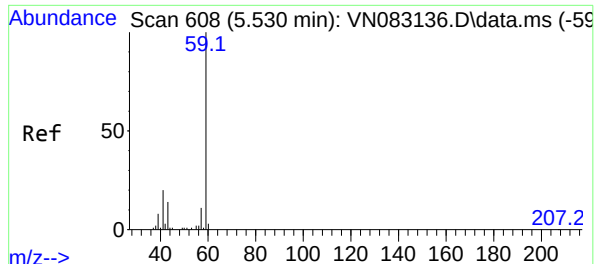
Tgt Ion	142	Resp	43838
Ion	Ratio	Lower	Upper
142	100		
127	46.3	37.5	56.3
141	11.6	13.1	19.7

Abundance Scan 446 (4.577 min): VN083502.D\data.ms



Abundance Scan 446 (4.577 min): VN083502.D\data.ms (-39





#11

Tert butyl alcohol

Concen: 93.776 ug/l

RT: 5.542 min Scan# 610

Delta R.T. 0.012 min

Lab File: VN083502.D

Acq: 27 Aug 2024 12:16

Instrument :

MSVOA_N

ClientSampleId :

VN0827WBS02

Tgt Ion: 59 Resp: 37739

Ion Ratio Lower Upper

59 100

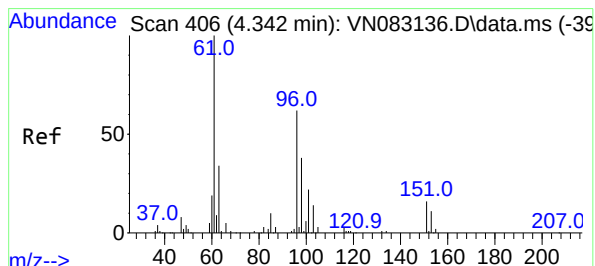
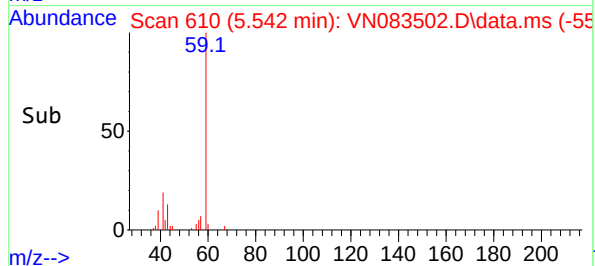
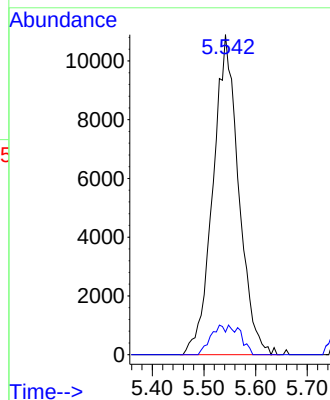
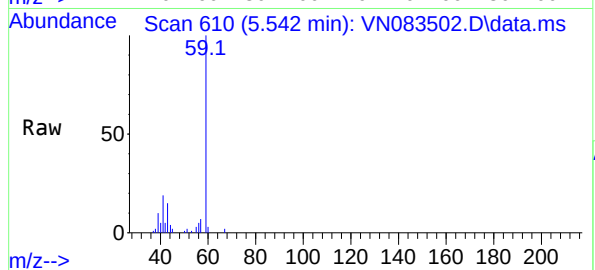
57 5.3 8.9 13.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/31/2024

Supervised By :Mahesh Dadoda 08/31/2024



#12

1,1-Dichloroethene

Concen: 21.377 ug/l

RT: 4.330 min Scan# 404

Delta R.T. -0.012 min

Lab File: VN083502.D

Acq: 27 Aug 2024 12:16

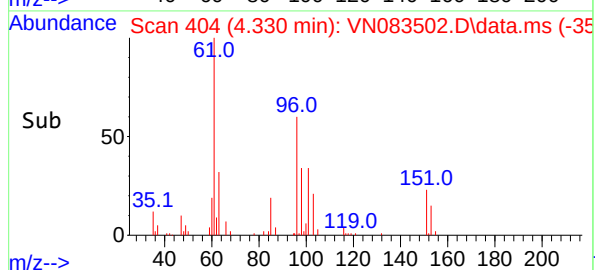
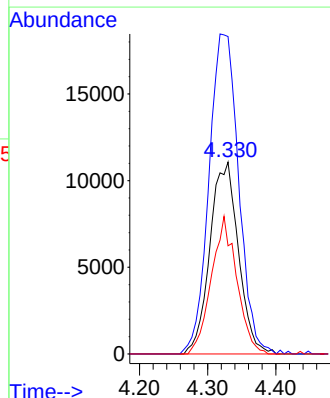
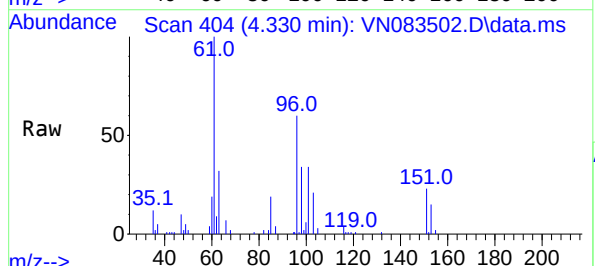
Tgt Ion: 96 Resp: 32239

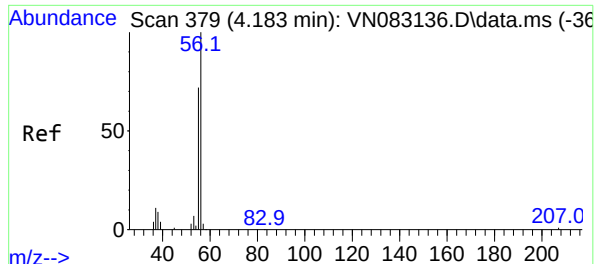
Ion Ratio Lower Upper

96 100

61 165.4 149.7 224.5

98 56.4 50.1 75.1





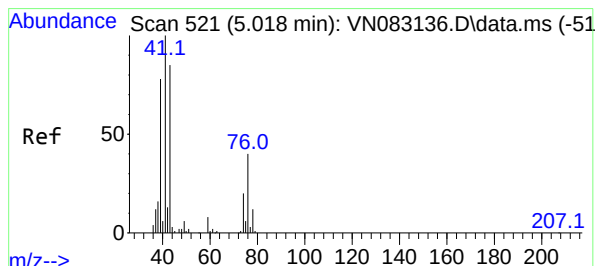
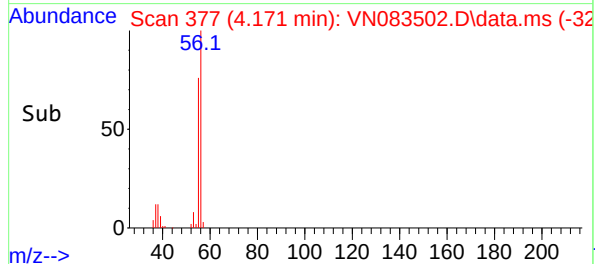
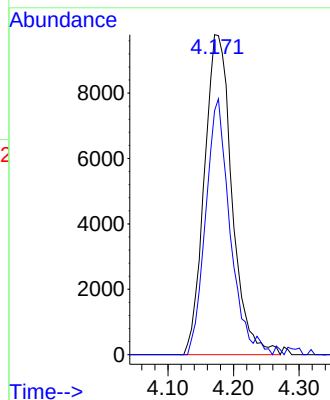
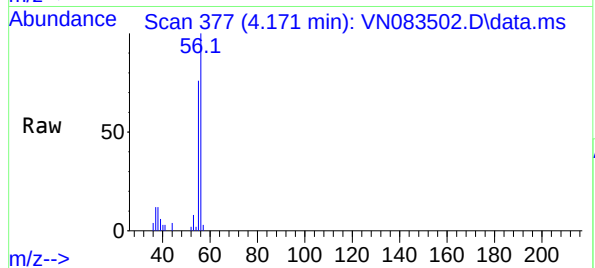
#13
Acrolein
Concen: 109.323 ug/l
RT: 4.171 min Scan# 31
Delta R.T. -0.012 min
Lab File: VN083502.D
Acq: 27 Aug 2024 12:16

Instrument :
MSVOA_N
ClientSampleId :
VN0827WBS02

Tgt Ion: 56 Resp: 28674
Ion Ratio Lower Upper
56 100
55 70.7 56.4 84.6

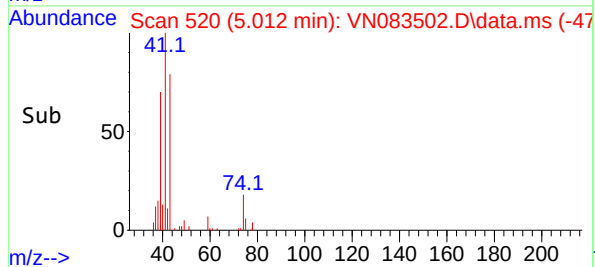
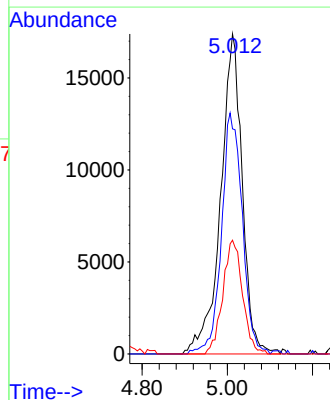
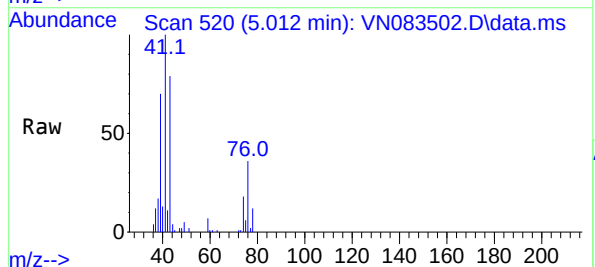
Manual Integrations
APPROVED

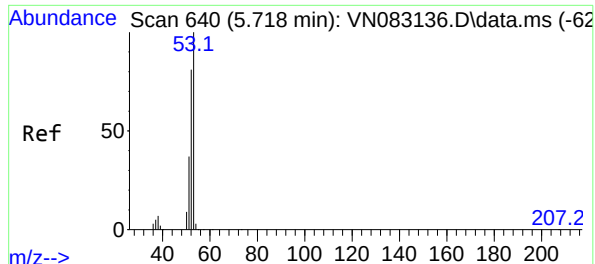
Reviewed By :Semsettin Yesilyurt 08/31/2024
Supervised By :Mahesh Dadoda 08/31/2024



#14
Allyl chloride
Concen: 21.499 ug/l
RT: 5.012 min Scan# 520
Delta R.T. -0.006 min
Lab File: VN083502.D
Acq: 27 Aug 2024 12:16

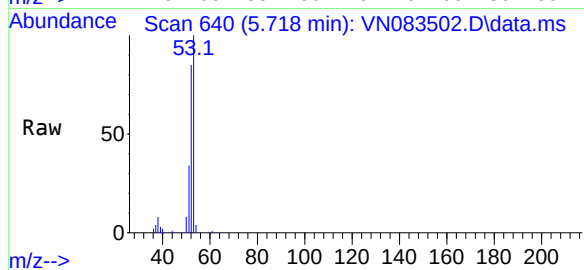
Tgt Ion: 41 Resp: 61271
Ion Ratio Lower Upper
41 100
39 72.5 67.8 101.6
76 32.5 25.8 38.8





#15
Acrylonitrile
Concen: 111.203 ug/l
RT: 5.718 min Scan# 640
Delta R.T. 0.000 min
Lab File: VN083502.D
Acq: 27 Aug 2024 12:16

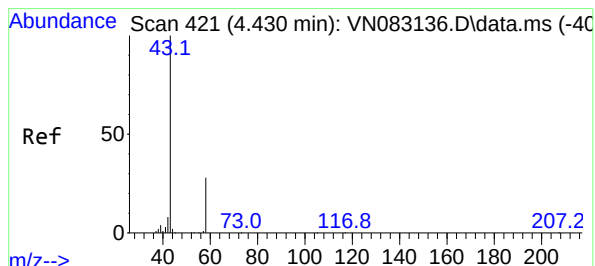
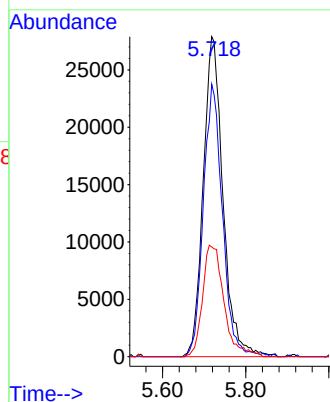
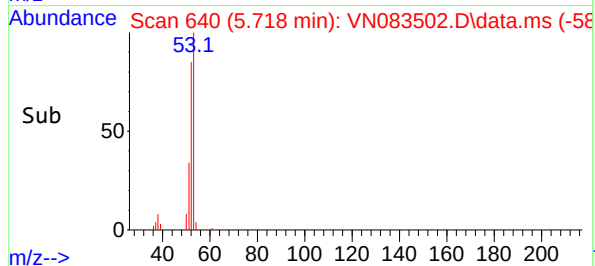
Instrument :
MSVOA_N
ClientSampleId :
VN0827WBS02



Tgt Ion: 53 Resp: 92040
Ion Ratio Lower Upper
53 100
52 82.1 66.6 100.0
51 37.7 30.1 45.1

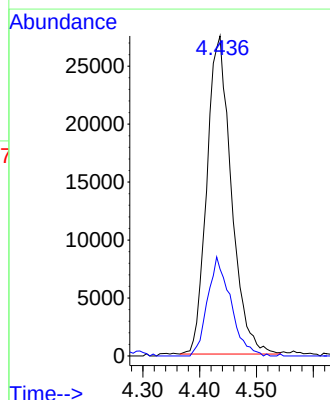
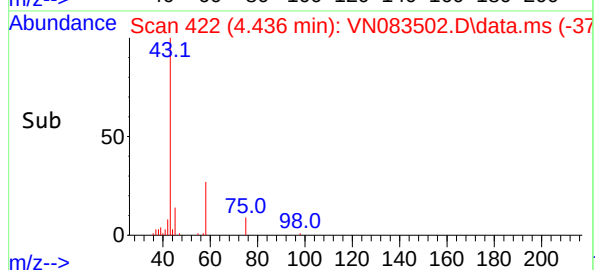
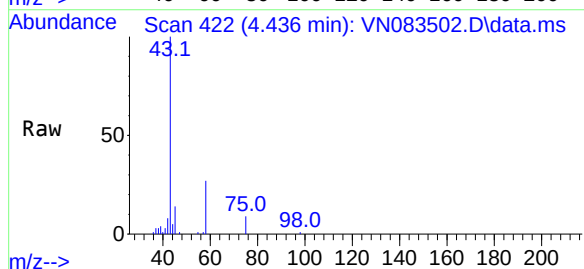
Manual Integrations
APPROVED

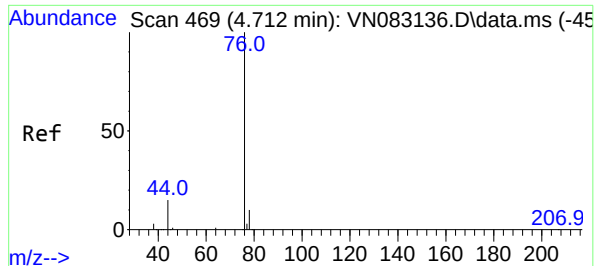
Reviewed By :Semsettin Yesilyurt 08/31/2024
Supervised By :Mahesh Dadoda 08/31/2024



#16
Acetone
Concen: 108.495 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.006 min
Lab File: VN083502.D
Acq: 27 Aug 2024 12:16

Tgt Ion: 43 Resp: 82211
Ion Ratio Lower Upper
43 100
58 27.3 21.8 32.6





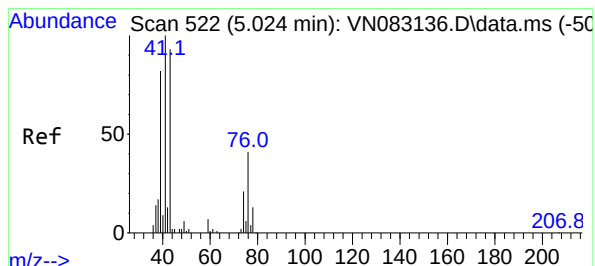
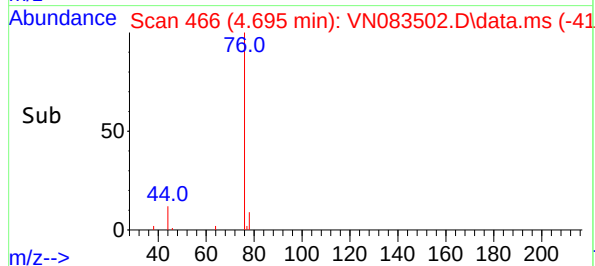
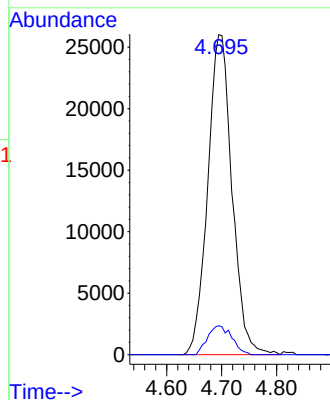
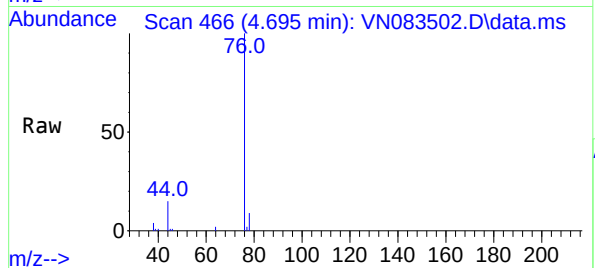
#17
Carbon Disulfide
Concen: 18.101 ug/l
RT: 4.695 min Scan# 466
Delta R.T. -0.018 min
Lab File: VN083502.D
Acq: 27 Aug 2024 12:16

Instrument :
MSVOA_N
ClientSampleId :
VN0827WBS02

Tgt Ion: 76 Resp: 7987
Ion Ratio Lower Upper
76 100
78 9.1 7.2 10.8

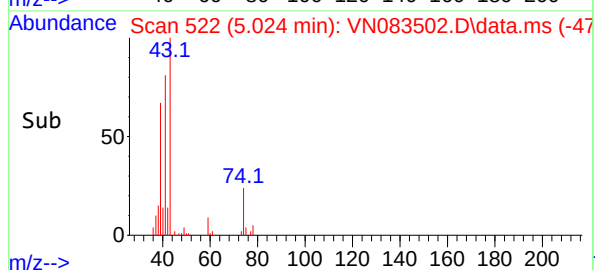
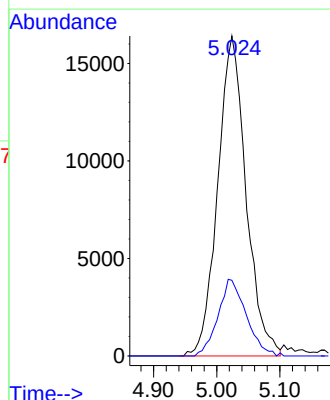
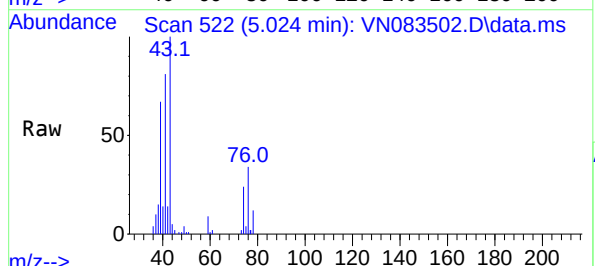
Manual Integrations
APPROVED

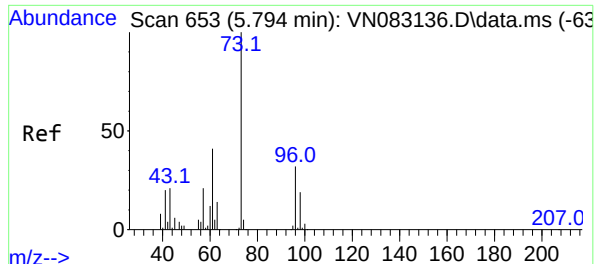
Reviewed By :Semsettin Yesilyurt 08/31/2024
Supervised By :Mahesh Dadoda 08/31/2024



#18
Methyl Acetate
Concen: 22.683 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.000 min
Lab File: VN083502.D
Acq: 27 Aug 2024 12:16

Tgt Ion: 43 Resp: 51211
Ion Ratio Lower Upper
43 100
74 23.9 16.3 24.5





#19

Methyl tert-butyl Ether

Concen: 22.685 ug/l

RT: 5.800 min Scan# 61

Delta R.T. 0.006 min

Lab File: VN083502.D

Acq: 27 Aug 2024 12:16

Instrument :

MSVOA_N

ClientSampleId :

VN0827WBS02

Tgt Ion: 73 Resp: 123484

Ion Ratio Lower Upper

73 100

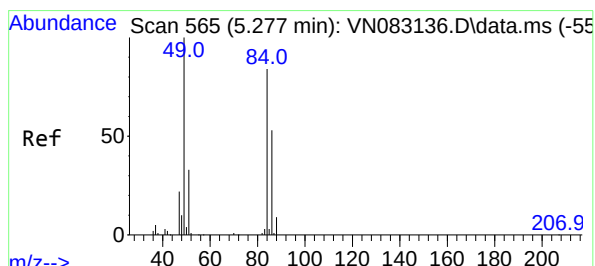
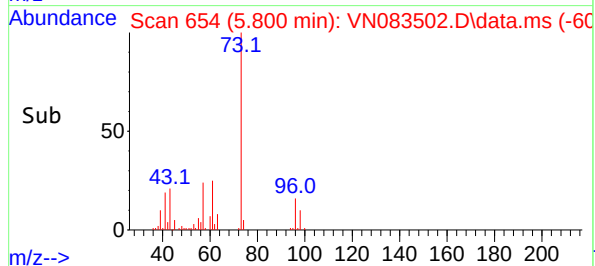
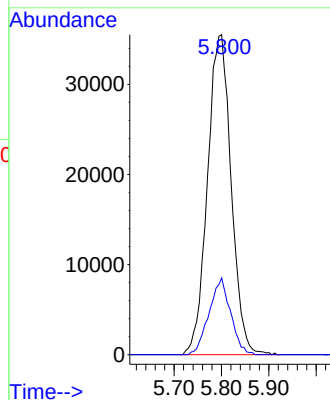
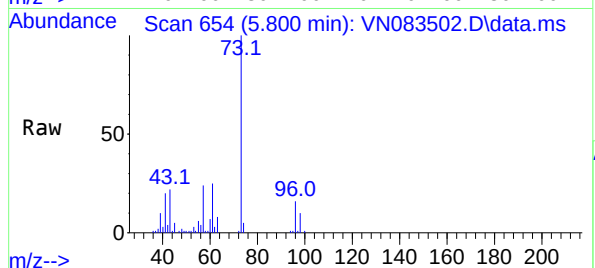
57 24.0 17.9 26.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/31/2024

Supervised By :Mahesh Dadoda 08/31/2024



#20

Methylene Chloride

Concen: 21.195 ug/l

RT: 5.271 min Scan# 564

Delta R.T. -0.006 min

Lab File: VN083502.D

Acq: 27 Aug 2024 12:16

Tgt Ion: 84 Resp: 36962

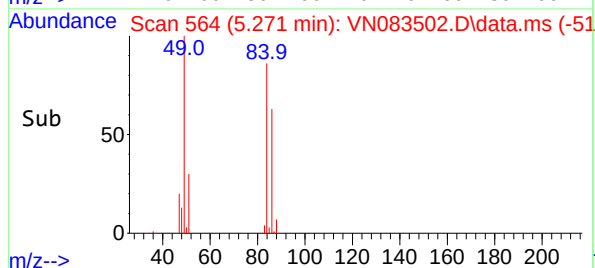
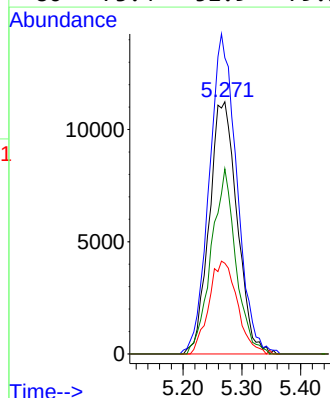
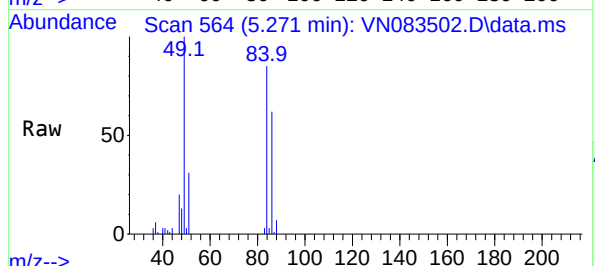
Ion Ratio Lower Upper

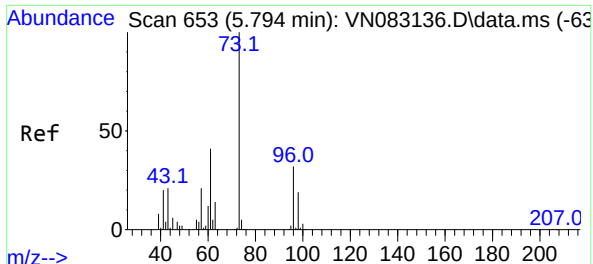
84 100

49 117.5 119.6 179.4#

51 36.0 34.8 52.2

86 73.4 52.9 79.3





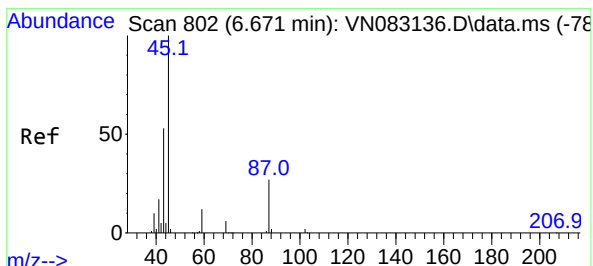
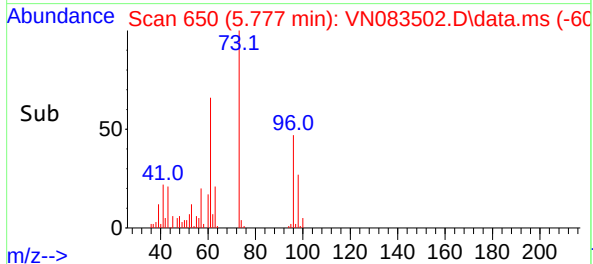
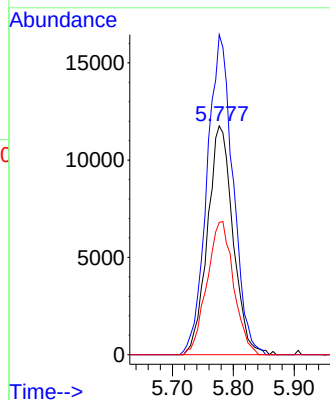
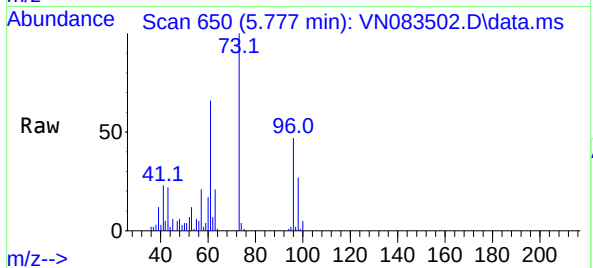
#21
trans-1,2-Dichloroethene
Concen: 21.971 ug/l
RT: 5.777 min Scan# 61
Delta R.T. -0.018 min
Lab File: VN083502.D
Acq: 27 Aug 2024 12:16

Instrument :
MSVOA_N
ClientSampleId :
VN0827WBS02

Tgt Ion: 96 Resp: 34240
Ion Ratio Lower Upper
96 100
61 139.9 123.4 185.2
98 57.8 49.3 73.9

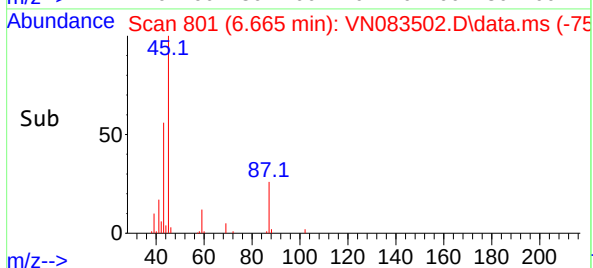
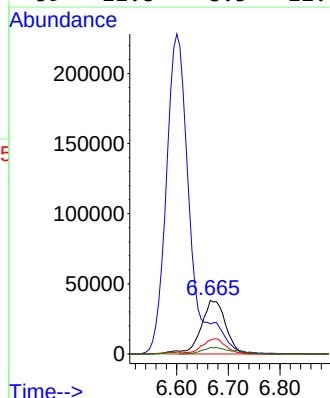
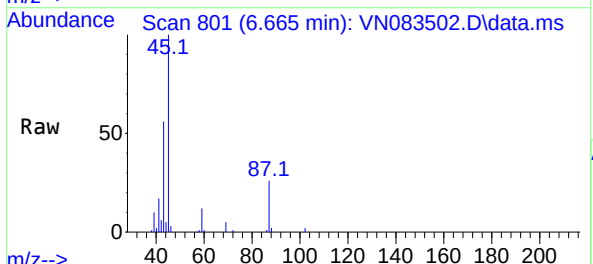
Manual Integrations
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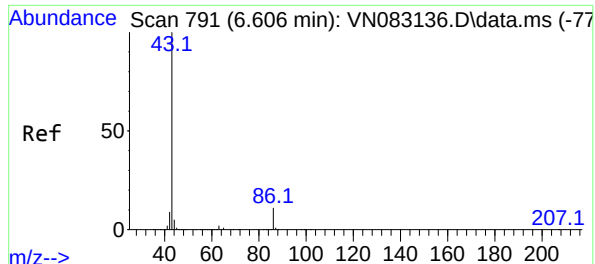
Reviewed By :Semsettin Yesilyurt 08/31/2024
Supervised By :Mahesh Dadoda 08/31/2024



#22
Diisopropyl ether
Concen: 23.043 ug/l
RT: 6.665 min Scan# 801
Delta R.T. -0.006 min
Lab File: VN083502.D
Acq: 27 Aug 2024 12:16

Tgt Ion: 45 Resp: 123443
Ion Ratio Lower Upper
45 100
43 55.1 44.0 66.0
87 25.9 19.7 29.5
59 11.8 8.5 12.7





#23

Vinyl Acetate

Concen: 122.147 ug/l m

RT: 6.600 min Scan# 791

Delta R.T. -0.006 min

Lab File: VN083502.D

Acq: 27 Aug 2024 12:16

Instrument :

MSVOA_N

ClientSampleId :

VN0827WBS02

Tgt Ion: 43 Resp: 670709

Ion Ratio Lower Upper

43

100

86

9.9

7.3

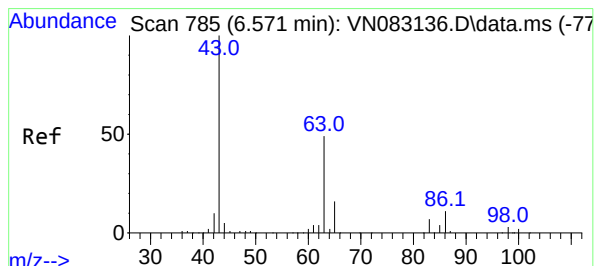
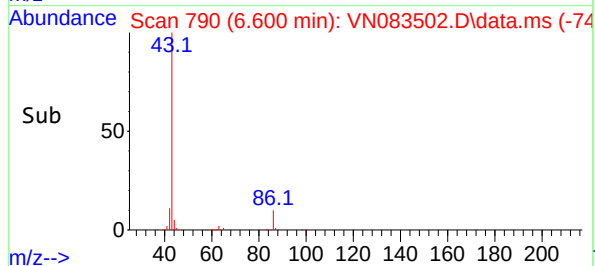
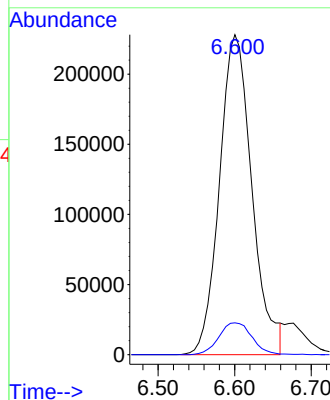
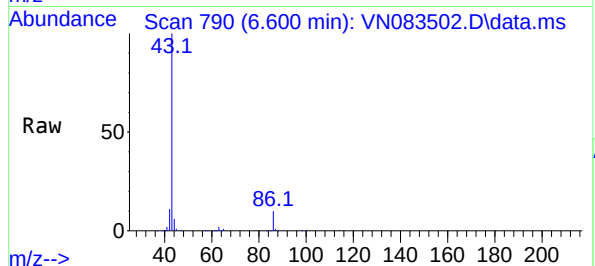
10.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/31/2024

Supervised By :Mahesh Dadoda 08/31/2024



#24

1,1-Dichloroethane

Concen: 24.169 ug/l

RT: 6.565 min Scan# 784

Delta R.T. -0.006 min

Lab File: VN083502.D

Acq: 27 Aug 2024 12:16

Tgt Ion: 63 Resp: 70575

Ion Ratio Lower Upper

63

100

98

100

7.2

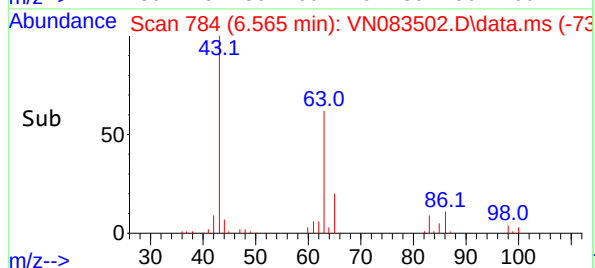
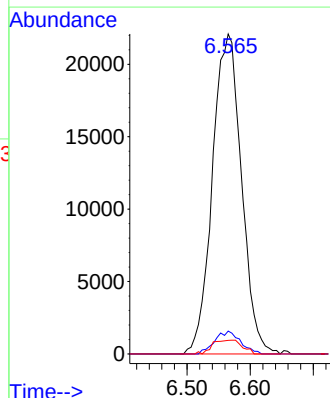
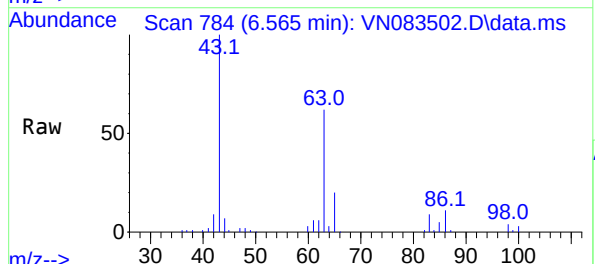
4.2

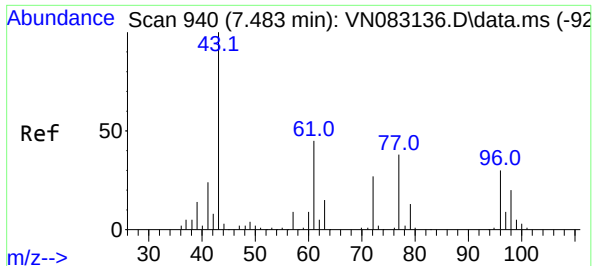
3.3

2.0

9.9

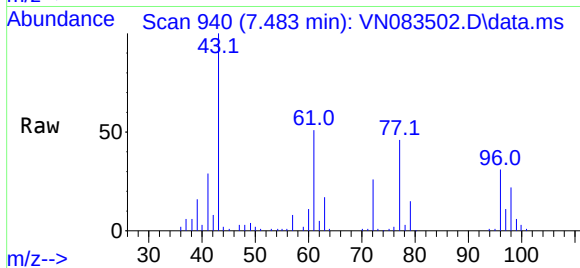
6.0





#25
2-Butanone
Concen: 107.318 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN083502.D
Acq: 27 Aug 2024 12:16

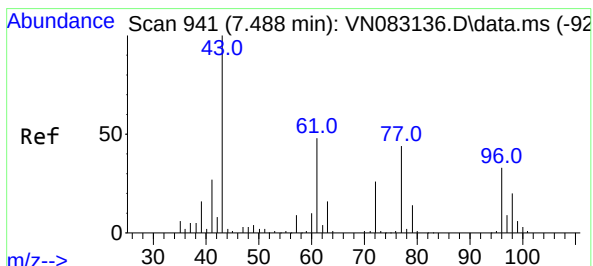
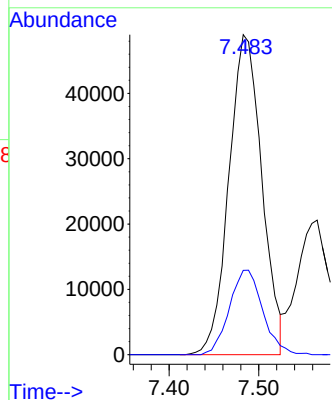
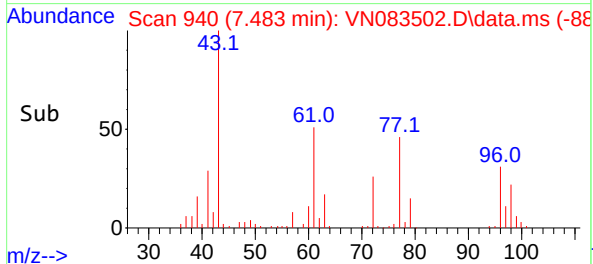
Instrument :
MSVOA_N
ClientSampleId :
VN0827WBS02



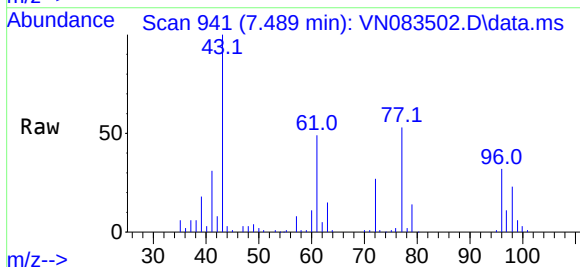
Tgt Ion: 43 Resp: 12486
Ion Ratio Lower Upper
43 100
72 26.4 18.2 27.2

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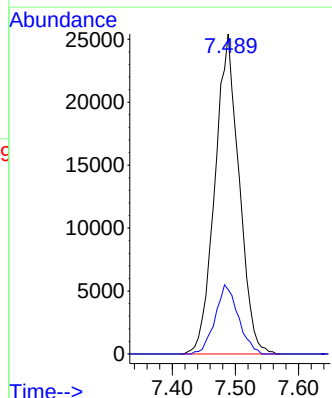
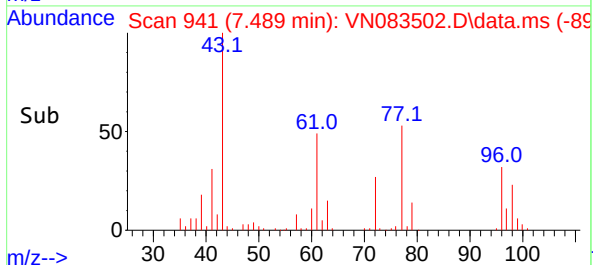
Reviewed By :Semsettin Yesilyurt 08/31/2024
Supervised By :Mahesh Dadoda 08/31/2024

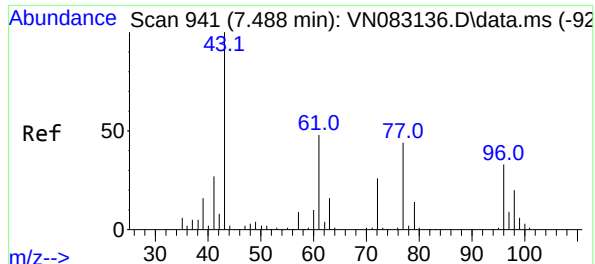


#26
2,2-Dichloropropane
Concen: 24.926 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN083502.D
Acq: 27 Aug 2024 12:16



Tgt Ion: 77 Resp: 67593
Ion Ratio Lower Upper
77 100
97 20.7 10.3 30.9





#27

cis-1,2-Dichloroethene

Concen: 22.578 ug/l

RT: 7.489 min Scan# 941

Delta R.T. 0.000 min

Lab File: VN083502.D

Acq: 27 Aug 2024 12:16

Instrument :

MSVOA_N

ClientSampleId :

VN0827WBS02

Tgt Ion: 96 Resp: 4246

Ion Ratio Lower Upper

96 100

61 152.6 0.0 329.6

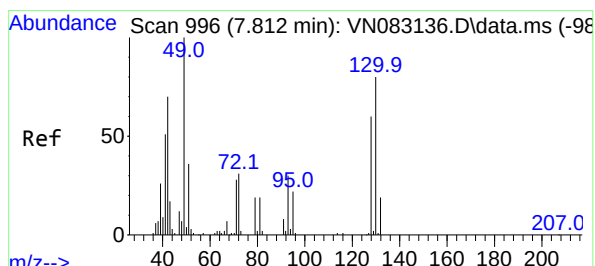
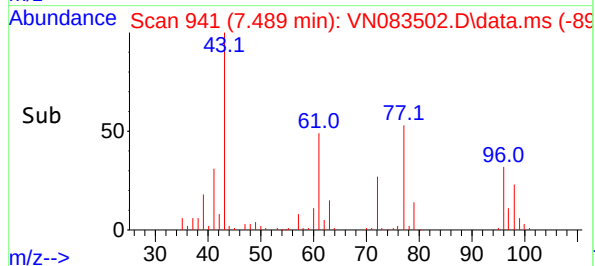
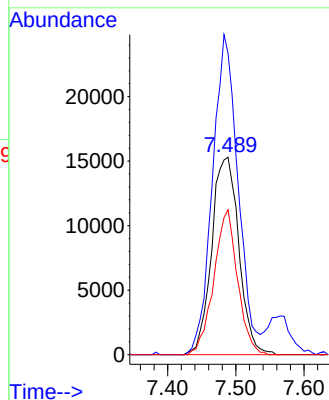
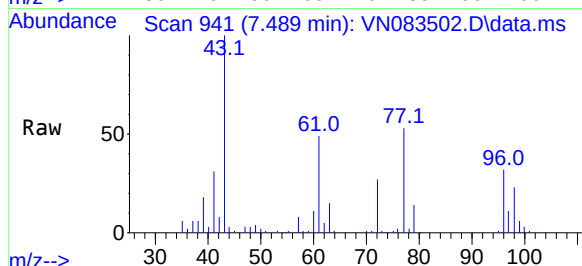
98 64.1 0.0 128.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/31/2024

Supervised By :Mahesh Dadoda 08/31/2024



#28

Bromochloromethane

Concen: 23.722 ug/l

RT: 7.812 min Scan# 996

Delta R.T. 0.000 min

Lab File: VN083502.D

Acq: 27 Aug 2024 12:16

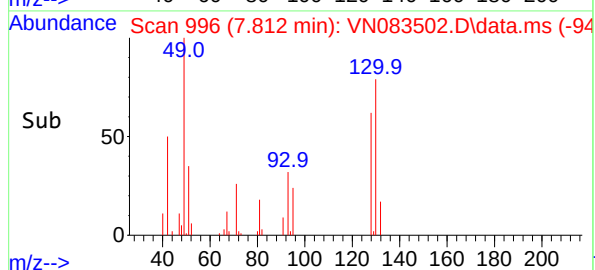
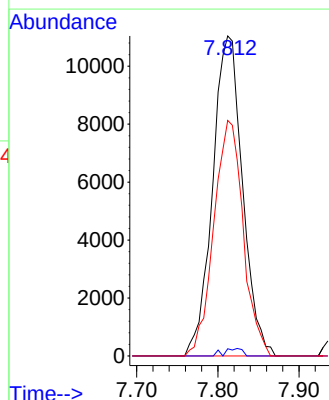
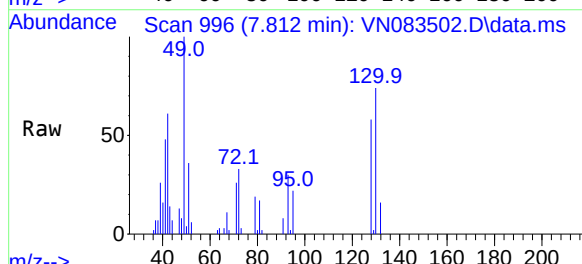
Tgt Ion: 49 Resp: 28308

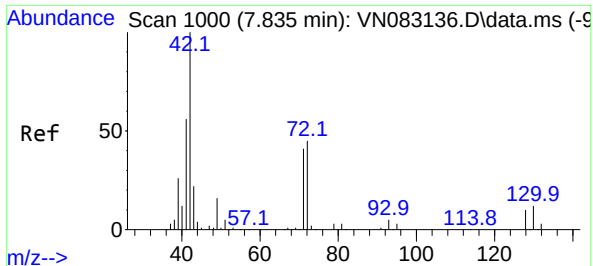
Ion Ratio Lower Upper

49 100

129 1.4 0.0 3.8

130 72.1 50.5 75.7





#29

Tetrahydrofuran

Concen: 109.420 ug/l

RT: 7.841 min Scan# 1000

Delta R.T. 0.006 min

Lab File: VN083502.D

Acq: 27 Aug 2024 12:16

Instrument :

MSVOA_N

ClientSampleId :

VN0827WBS02

Tgt Ion: 42 Resp: 8229

Ion Ratio Lower Upper

42 100

72 43.5 30.0 45.0

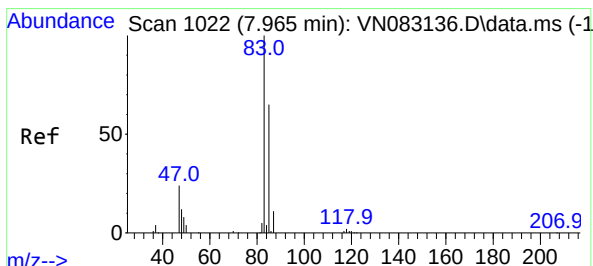
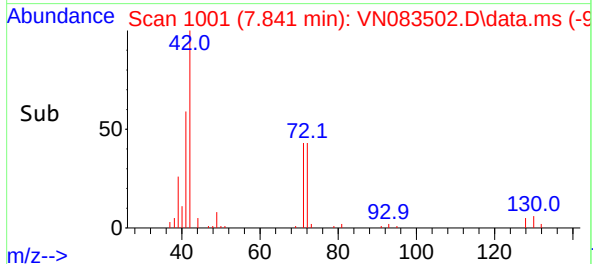
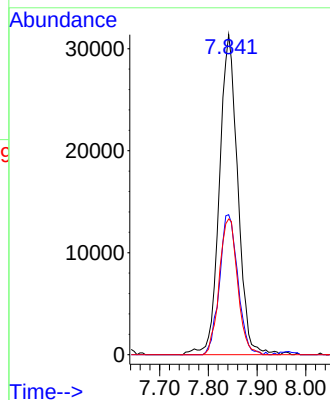
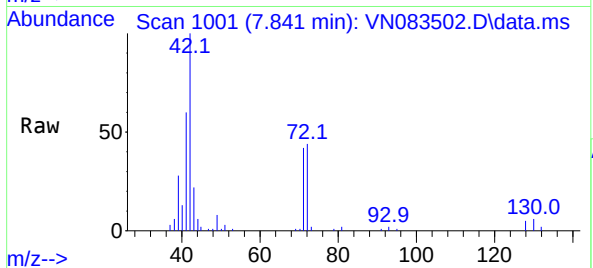
71 42.3 28.3 42.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/31/2024

Supervised By :Mahesh Dadoda 08/31/2024



#30

Chloroform

Concen: 24.286 ug/l

RT: 7.965 min Scan# 1022

Delta R.T. 0.000 min

Lab File: VN083502.D

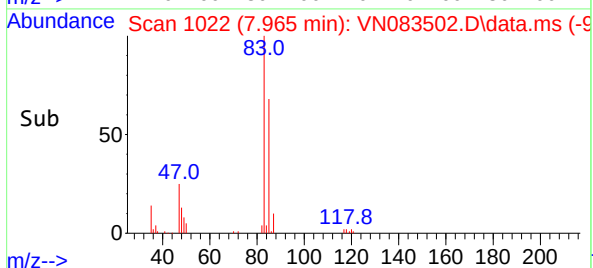
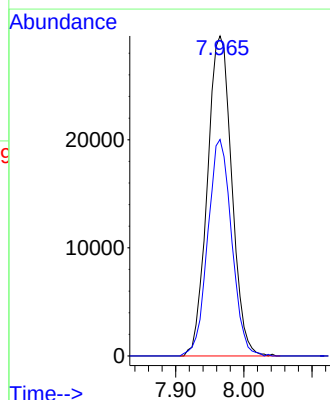
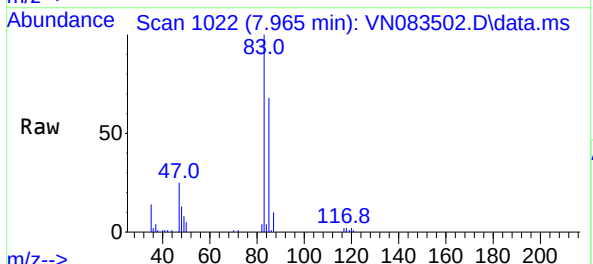
Acq: 27 Aug 2024 12:16

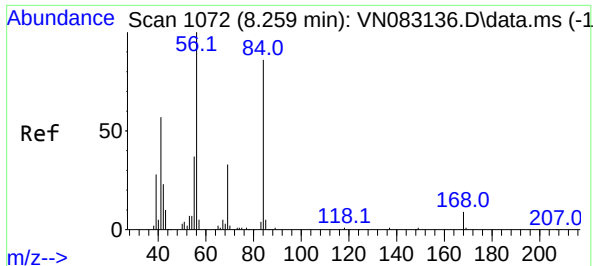
Tgt Ion: 83 Resp: 73675

Ion Ratio Lower Upper

83 100

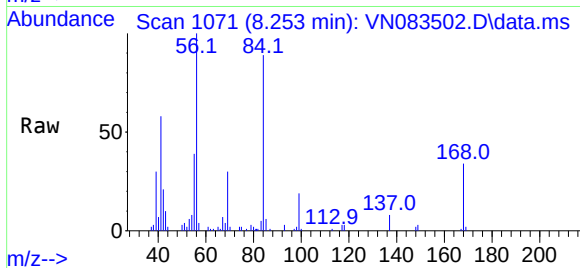
85 67.6 50.9 76.3





#31
Cyclohexane
Concen: 21.092 ug/l
RT: 8.253 min Scan# 1071
Delta R.T. -0.006 min
Lab File: VN083502.D
Acq: 27 Aug 2024 12:16

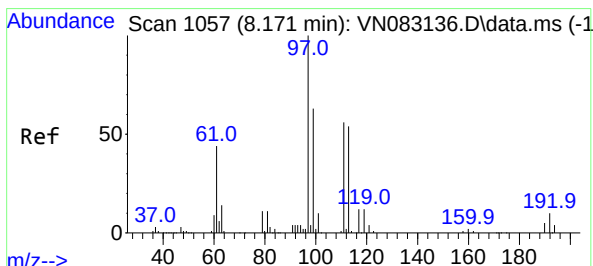
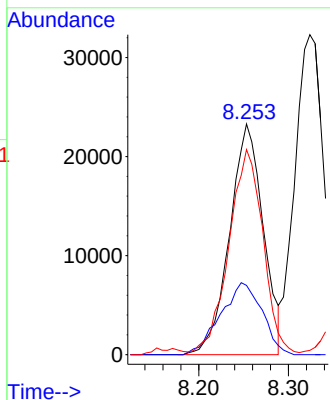
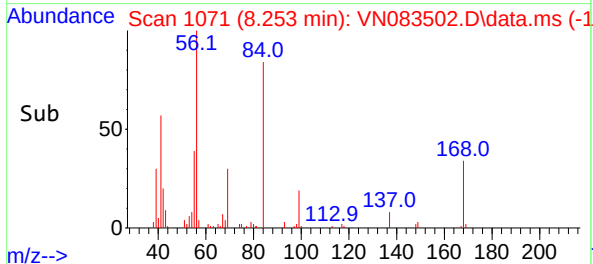
Instrument :
MSVOA_N
ClientSampleId :
VN0827WBS02



Tgt Ion: 56 Resp: 60529
Ion Ratio Lower Upper
56 100
69 30.0 24.5 36.7
84 86.9 66.0 99.0

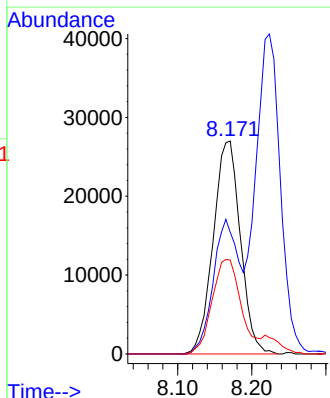
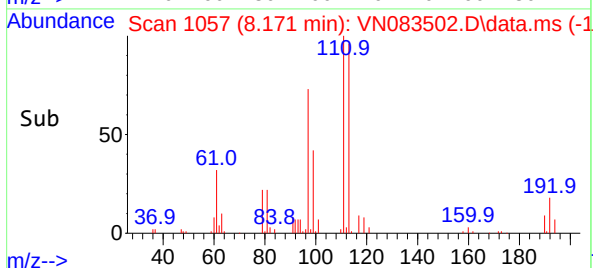
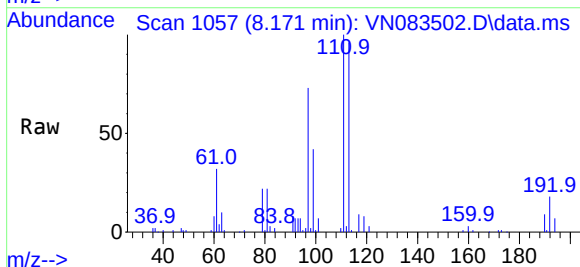
Manual Integrations
APPROVED

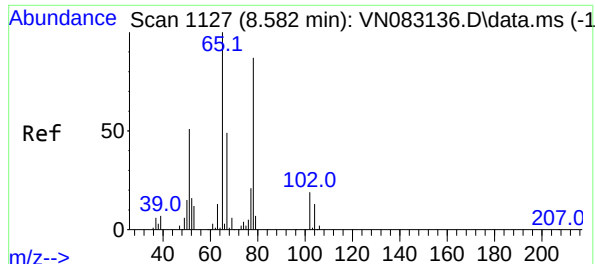
Reviewed By :Semsettin Yesilyurt 08/31/2024
Supervised By :Mahesh Dadoda 08/31/2024



#32
1,1,1-Trichloroethane
Concen: 23.970 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VN083502.D
Acq: 27 Aug 2024 12:16

Tgt Ion: 97 Resp: 68829
Ion Ratio Lower Upper
97 100
99 60.1 52.0 78.0
61 47.7 42.1 63.1





#33

1,2-Dichloroethane-d4

Concen: 62.321 ug/l

RT: 8.577 min Scan# 1127

Delta R.T. -0.005 min

Lab File: VN083502.D

Acq: 27 Aug 2024 12:16

Instrument :

MSVOA_N

ClientSampleId :

VN0827WBS02

Tgt Ion: 65 Resp: 120684

Ion Ratio Lower Upper

65 100

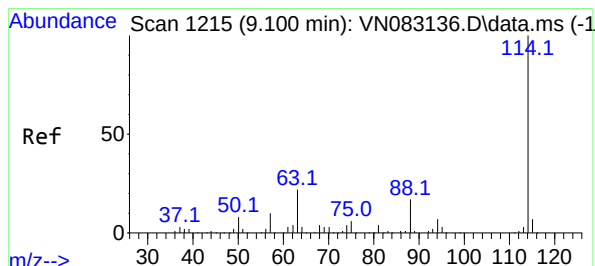
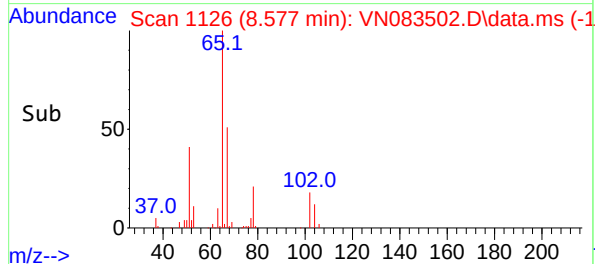
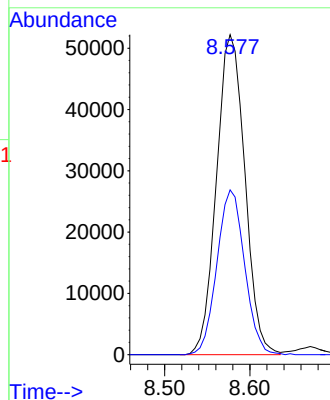
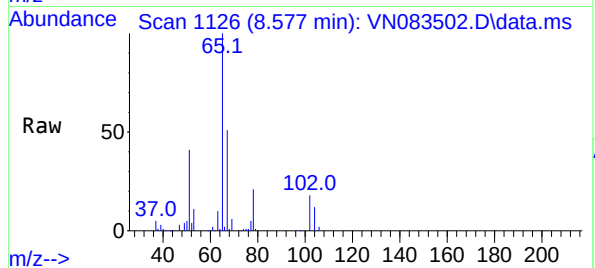
67 50.3 0.0 104.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/31/2024

Supervised By :Mahesh Dadoda 08/31/2024



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN083502.D

Acq: 27 Aug 2024 12:16

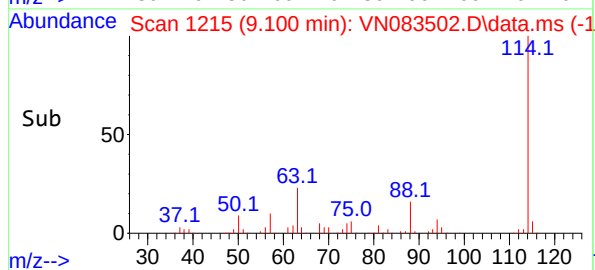
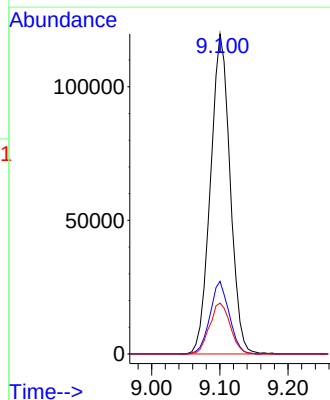
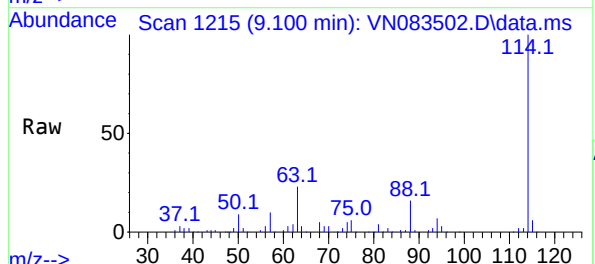
Tgt Ion:114 Resp: 239756

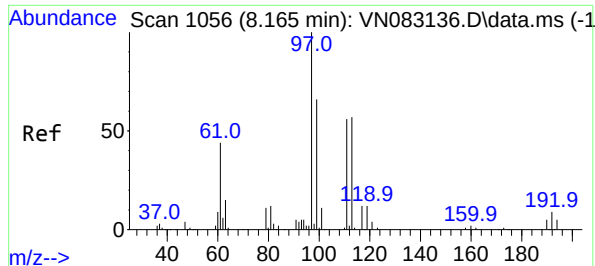
Ion Ratio Lower Upper

114 100

63 22.7 0.0 44.6

88 15.9 0.0 31.4





#35

Dibromofluoromethane

Concen: 59.215 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN083502.D

Acq: 27 Aug 2024 12:16

Instrument :

MSVOA_N

ClientSampleId :

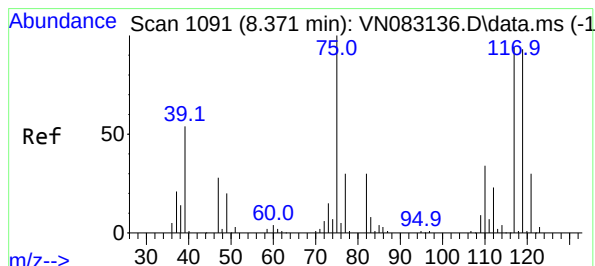
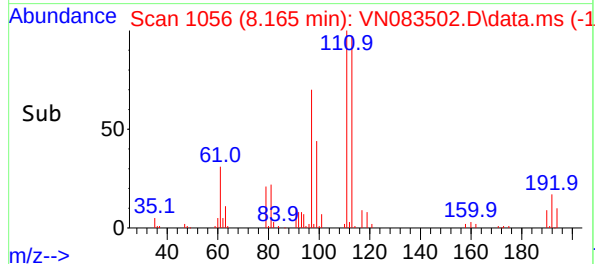
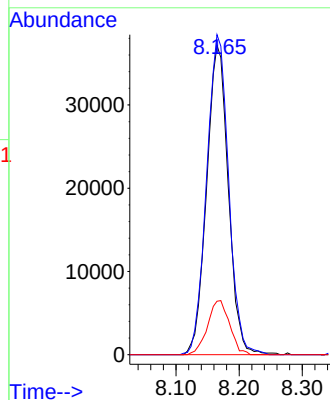
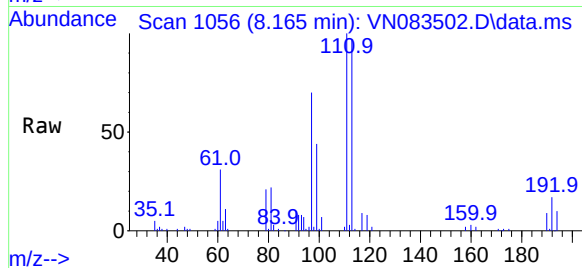
VN0827WBS02

Tgt Ion:	113	Resp:	88610
Ion	Ratio	Lower	Upper
113	100		
111	104.9	82.4	123.6
192	17.8	14.9	22.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/31/2024
Supervised By :Mahesh Dadoda 08/31/2024



#36

1,1-Dichloropropene

Concen: 21.684 ug/l

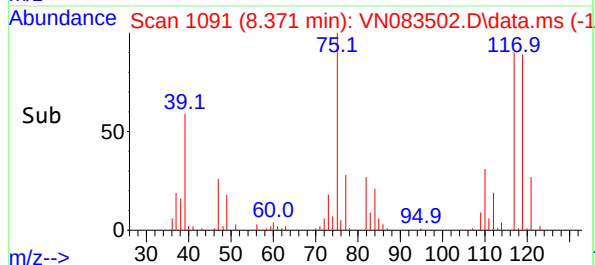
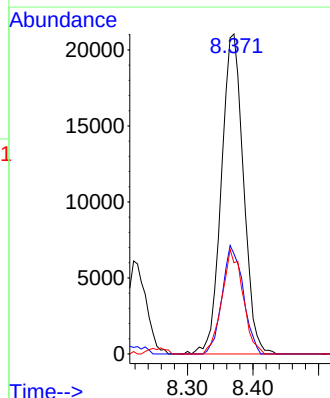
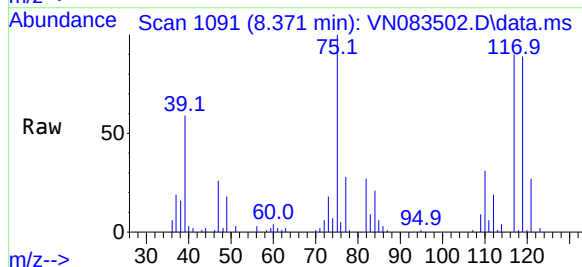
RT: 8.371 min Scan# 1091

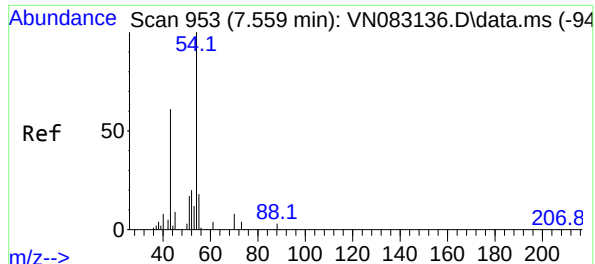
Delta R.T. 0.000 min

Lab File: VN083502.D

Acq: 27 Aug 2024 12:16

Tgt Ion:	75	Resp:	49089
Ion	Ratio	Lower	Upper
75	100		
110	32.3	16.3	48.9
77	31.0	24.6	37.0





#37

Ethyl Acetate

Concen: 20.578 ug/l

RT: 7.565 min Scan# 954

Delta R.T. 0.006 min

Lab File: VN083502.D

Acq: 27 Aug 2024 12:16

Instrument :

MSVOA_N

ClientSampleId :

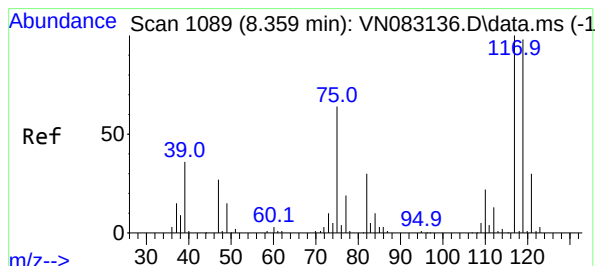
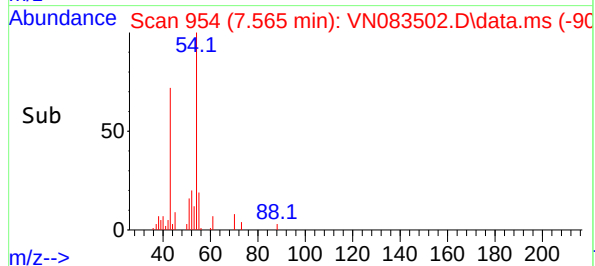
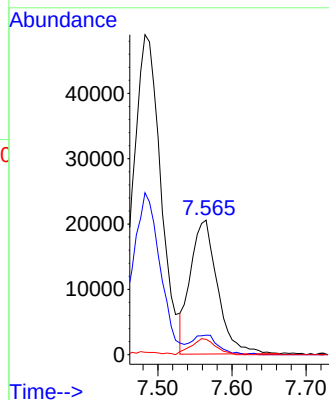
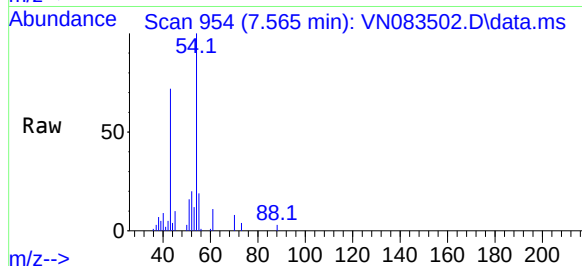
VN0827WBS02

Tgt Ion:	43	Resp:	5215
Ion	Ratio	Lower	Upper
43	100		
61	14.2	9.3	13.9
70	10.8	7.0	10.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/31/2024
Supervised By :Mahesh Dadoda 08/31/2024



#38

Carbon Tetrachloride

Concen: 22.638 ug/l

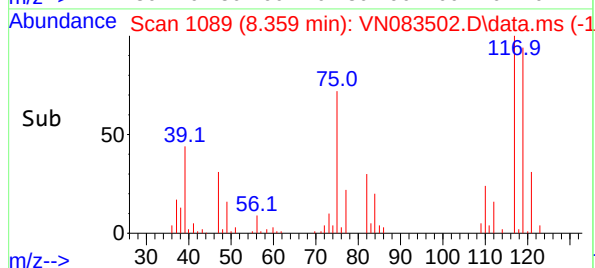
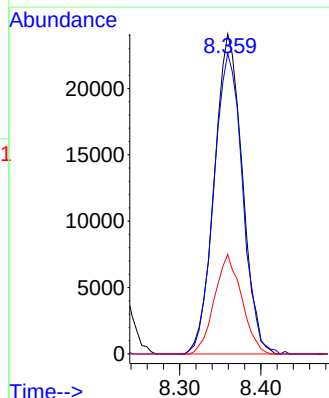
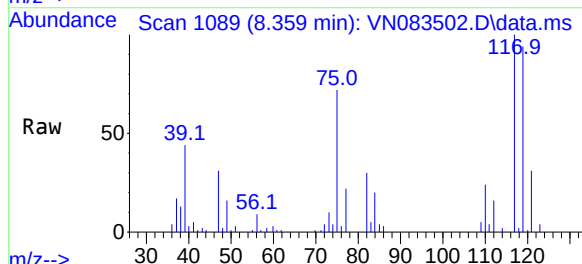
RT: 8.359 min Scan# 1089

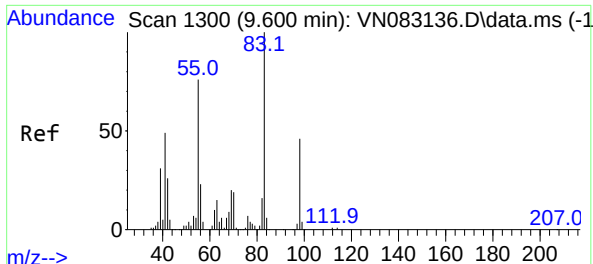
Delta R.T. 0.000 min

Lab File: VN083502.D

Acq: 27 Aug 2024 12:16

Tgt Ion:	117	Resp:	57721
Ion	Ratio	Lower	Upper
117	100		
119	94.0	74.9	112.3
121	31.1	24.3	36.5





#39

Methylcyclohexane

Concen: 20.818 ug/l

RT: 9.600 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VN083502.D

Acq: 27 Aug 2024 12:16

Instrument :

MSVOA_N

ClientSampleId :

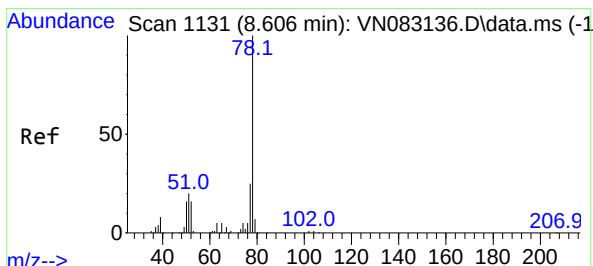
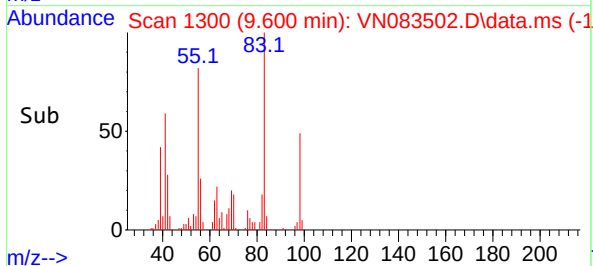
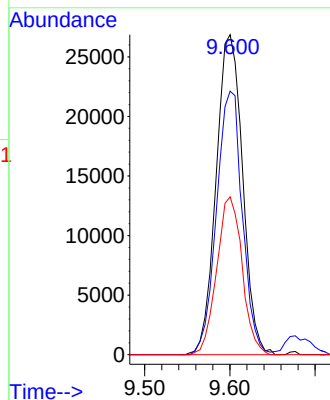
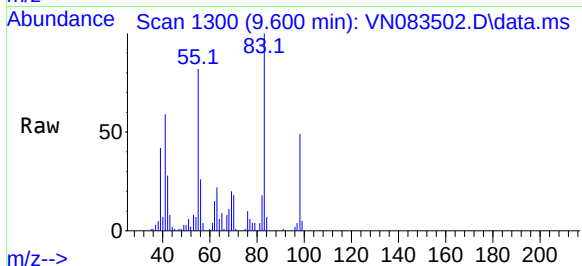
VN0827WBS02

Tgt Ion:	83	Resp:	5788
Ion	Ratio	Lower	Upper
83	100		
55	82.4	66.4	99.6
98	49.3	40.7	61.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/31/2024
Supervised By :Mahesh Dadoda 08/31/2024



#40

Benzene

Concen: 22.589 ug/l

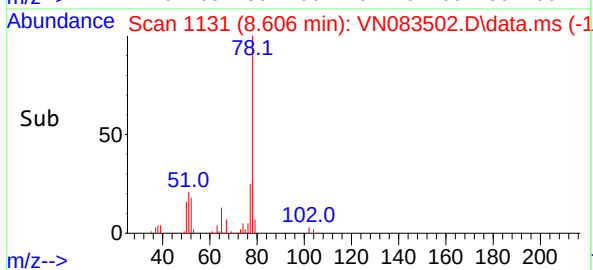
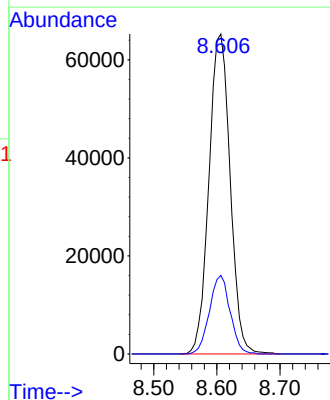
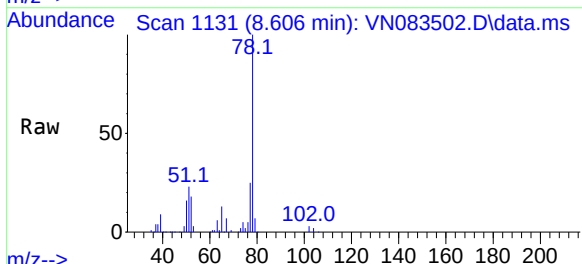
RT: 8.606 min Scan# 1131

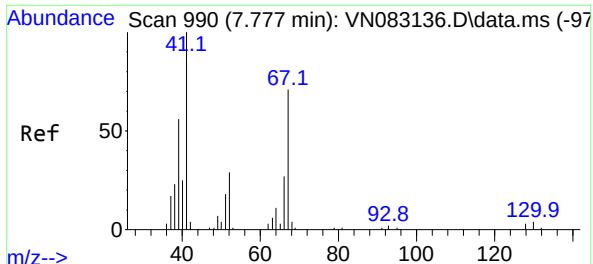
Delta R.T. 0.000 min

Lab File: VN083502.D

Acq: 27 Aug 2024 12:16

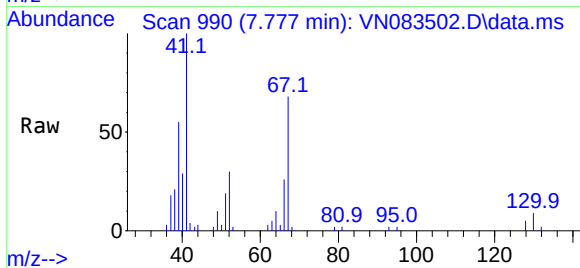
Tgt Ion:	78	Resp:	152337
Ion	Ratio	Lower	Upper
78	100		
77	24.6	19.0	28.4





#41
Methacrylonitrile
Concen: 20.338 ug/l
RT: 7.777 min Scan# 990
Delta R.T. 0.000 min
Lab File: VN083502.D
Acq: 27 Aug 2024 12:16

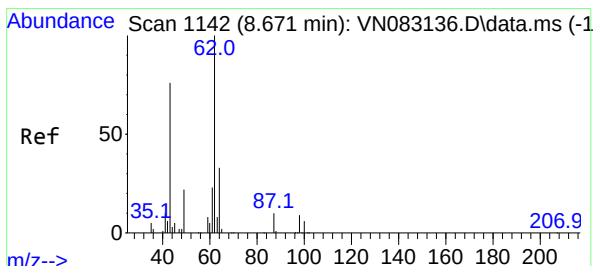
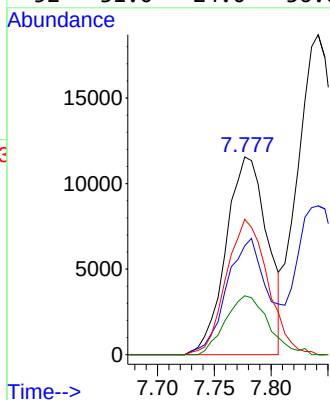
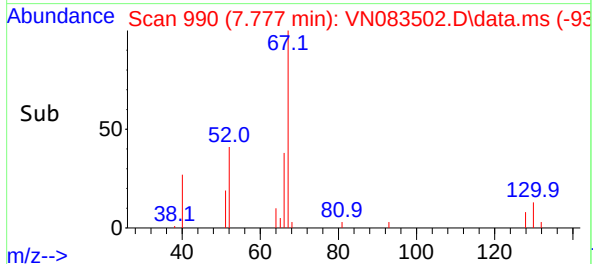
Instrument :
MSVOA_N
ClientSampleId :
VN0827WBS02



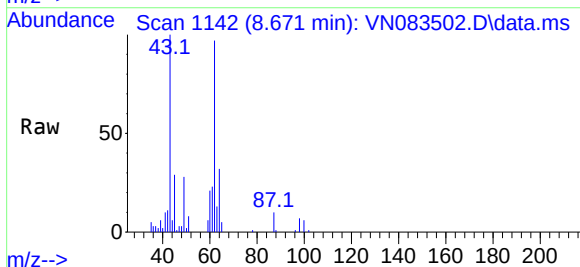
Tgt Ion: 41 Resp: 2931
Ion Ratio Lower Upper
41 100
39 60.6 45.5 68.3
67 68.6 50.5 75.7
52 31.0 24.0 36.0

Manual Integrations
APPROVED

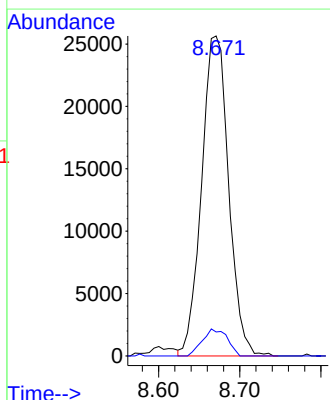
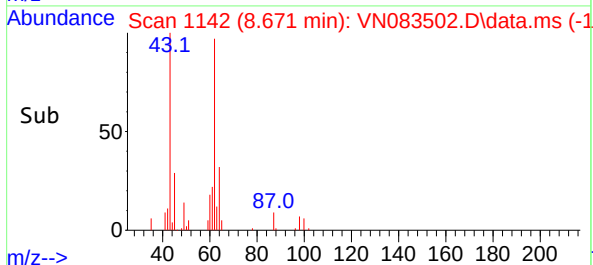
Reviewed By :Semsettin Yesilyurt 08/31/2024
Supervised By :Mahesh Dadoda 08/31/2024



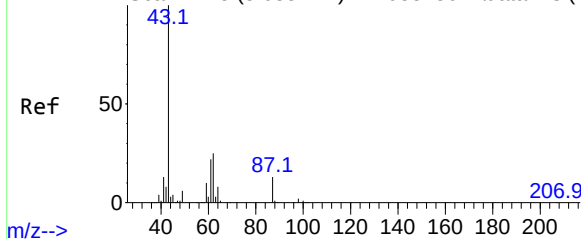
#42
1,2-Dichloroethane
Concen: 24.155 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VN083502.D
Acq: 27 Aug 2024 12:16



Tgt Ion: 62 Resp: 59340
Ion Ratio Lower Upper
62 100
98 7.8 0.0 15.8



Abundance Scan 1145 (8.688 min): VN083136.D\data.ms (-1



#43

Isopropyl Acetate

Concen: 31.806 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VN083502.D

Acq: 27 Aug 2024 12:16

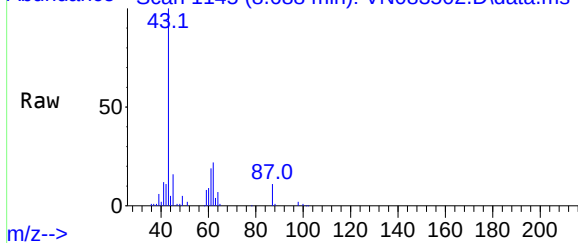
Instrument :

MSVOA_N

ClientSampleId :

VN0827WBS02

Abundance Scan 1145 (8.688 min): VN083502.D\data.ms



Tgt Ion: 43 Resp: 144180

Ion Ratio Lower Upper

43

100

61

87

16.7

8.4

17.8

8.2

26.6

12.2

12.2

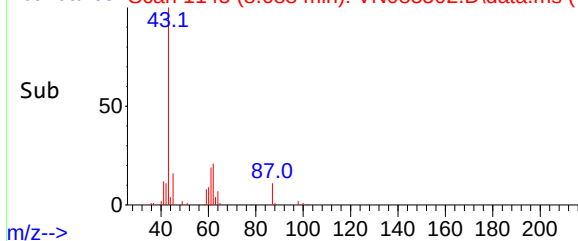
Manual Integrations

APPROVED

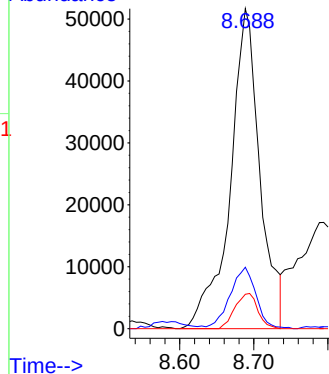
Reviewed By :Semsettin Yesilyurt 08/31/2024

Supervised By :Mahesh Dadoda 08/31/2024

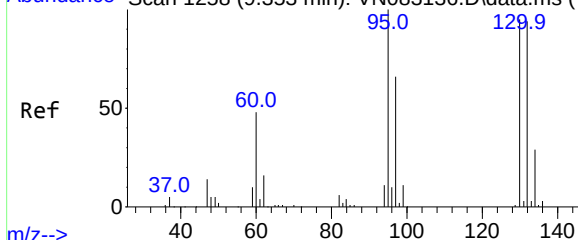
Abundance Scan 1145 (8.688 min): VN083502.D\data.ms (-1



Abundance



Abundance Scan 1258 (9.353 min): VN083136.D\data.ms (-1



#44

Trichloroethene

Concen: 22.219 ug/l

RT: 9.347 min Scan# 1257

Delta R.T. -0.006 min

Lab File: VN083502.D

Acq: 27 Aug 2024 12:16

Tgt Ion:130 Resp: 35666

Ion Ratio Lower Upper

130

100

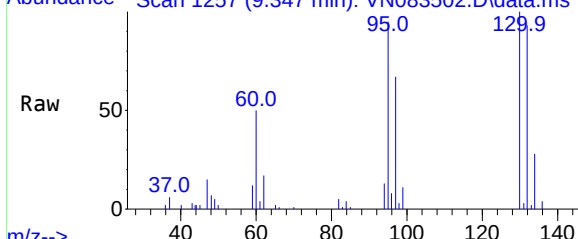
95

95.3

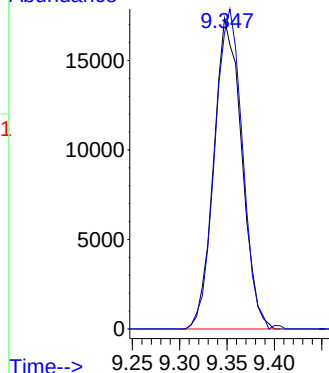
0.0

197.8

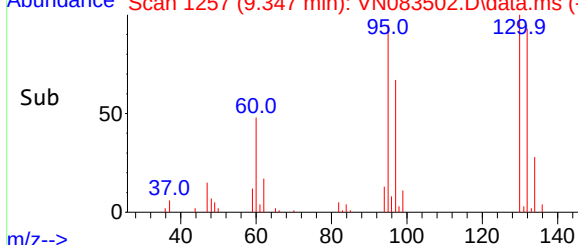
Abundance Scan 1257 (9.347 min): VN083502.D\data.ms

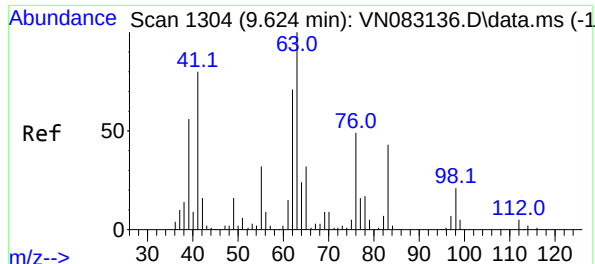


Abundance



Abundance Scan 1257 (9.347 min): VN083502.D\data.ms (-1





#45

1,2-Dichloropropane

Concen: 23.981 ug/l

RT: 9.618 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN083502.D

Acq: 27 Aug 2024 12:16

Instrument :

MSVOA_N

ClientSampleId :

VN0827WBS02

Tgt Ion: 63 Resp: 3838

Ion Ratio Lower Upper

63 100

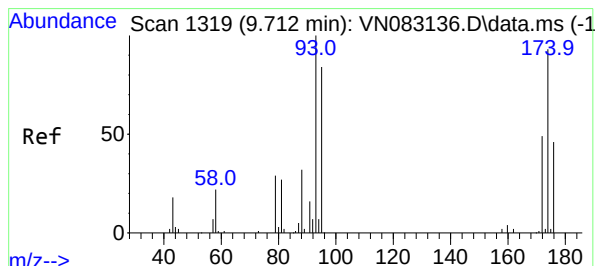
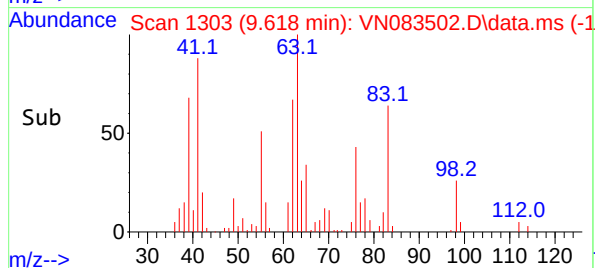
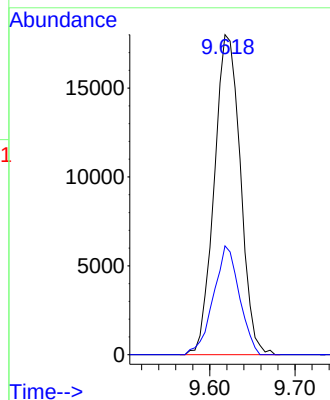
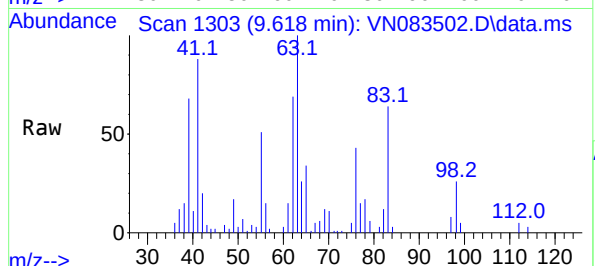
65 34.0 24.4 36.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/31/2024

Supervised By :Mahesh Dadoda 08/31/2024



#46

Dibromomethane

Concen: 23.587 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. -0.006 min

Lab File: VN083502.D

Acq: 27 Aug 2024 12:16

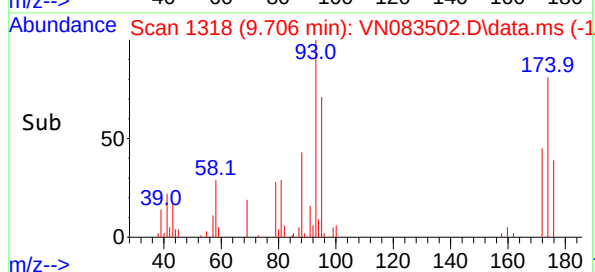
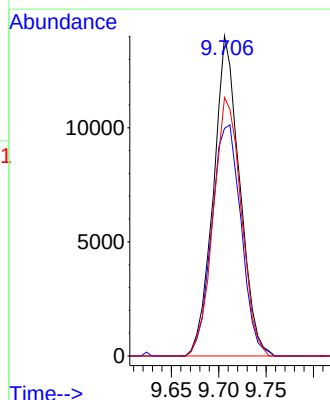
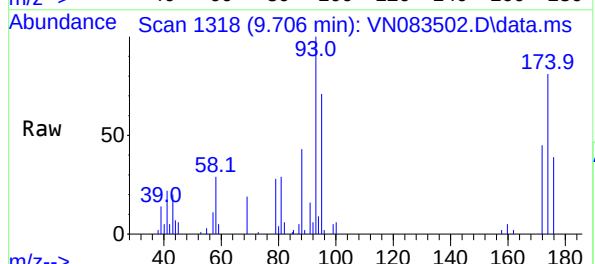
Tgt Ion: 93 Resp: 27027

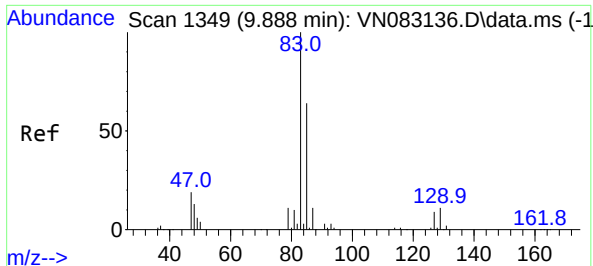
Ion Ratio Lower Upper

93 100

95 80.7 65.8 98.6

174 85.9 71.7 107.5





#47

Bromodichloromethane

Concen: 22.603 ug/l

RT: 9.888 min Scan# 1349

Delta R.T. 0.000 min

Lab File: VN083502.D

Acq: 27 Aug 2024 12:16

Instrument :

MSVOA_N

ClientSampleId :

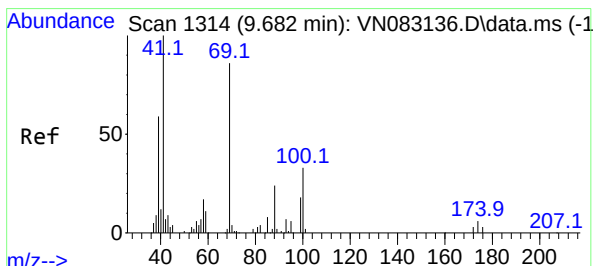
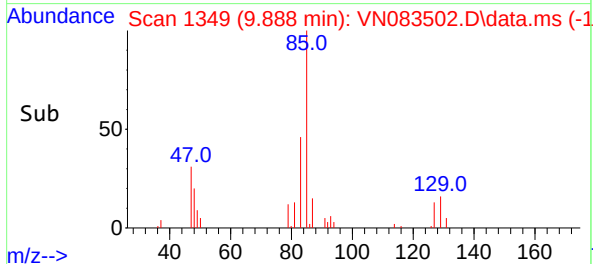
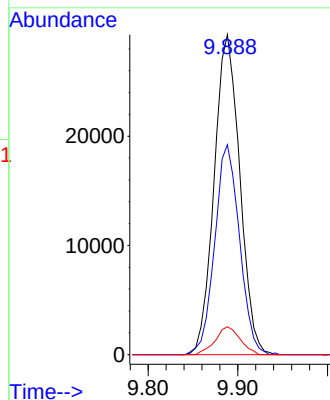
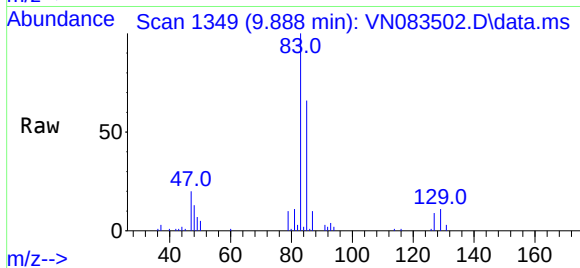
VN0827WBS02

Tgt Ion:	83	Resp:	5815
Ion	Ratio	Lower	Upper
83	100		
85	65.6	51.1	76.7
127	8.8	7.2	10.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/31/2024
Supervised By :Mahesh Dadoda 08/31/2024



#48

Methyl methacrylate

Concen: 20.944 ug/l

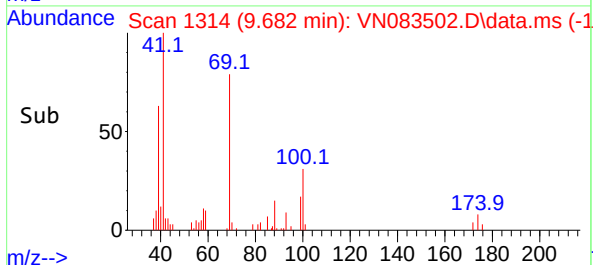
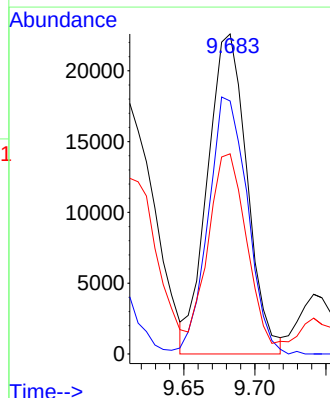
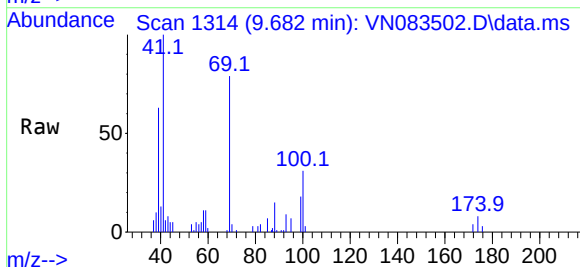
RT: 9.682 min Scan# 1314

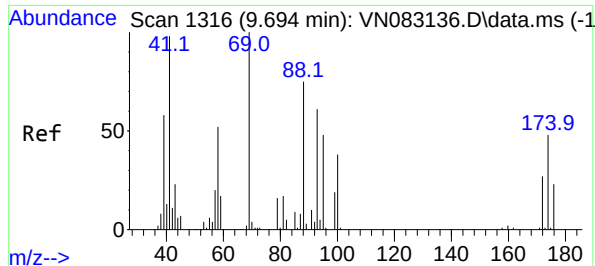
Delta R.T. 0.000 min

Lab File: VN083502.D

Acq: 27 Aug 2024 12:16

Tgt Ion:	41	Resp:	43888
Ion	Ratio	Lower	Upper
41	100		
69	79.5	56.3	84.5
39	62.2	50.3	75.5





#49

1,4-Dioxane

Concen: 413.719 ug/l

RT: 9.700 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN083502.D

Acq: 27 Aug 2024 12:16

Instrument :

MSVOA_N

ClientSampleId :

VN0827WBS02

Tgt Ion: 88 Resp: 1564

Ion Ratio Lower Upper

88 100

43 0.0 27.8 41.8

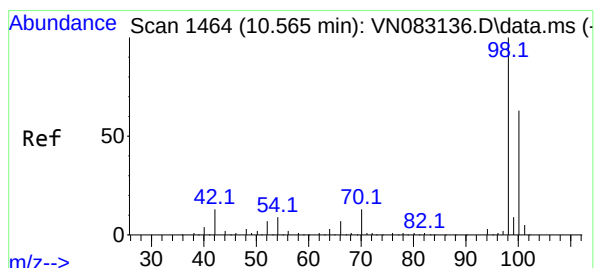
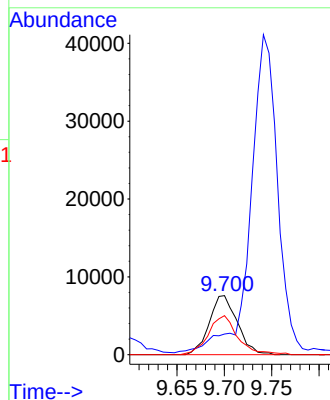
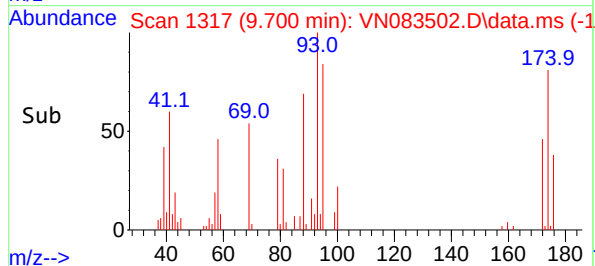
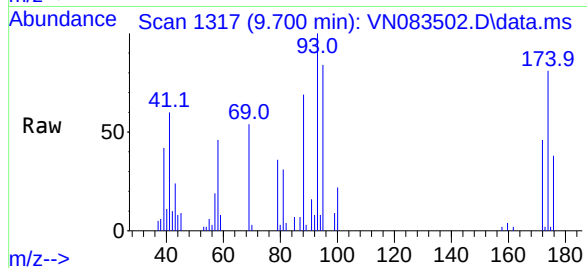
58 69.2 59.4 89.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/31/2024

Supervised By :Mahesh Dadoda 08/31/2024



#50

Toluene-d8

Concen: 56.014 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN083502.D

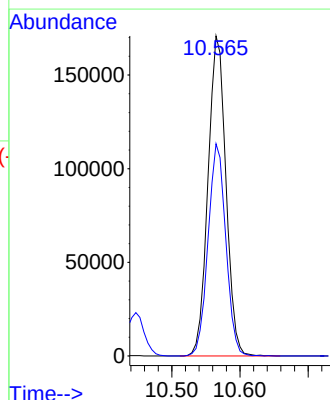
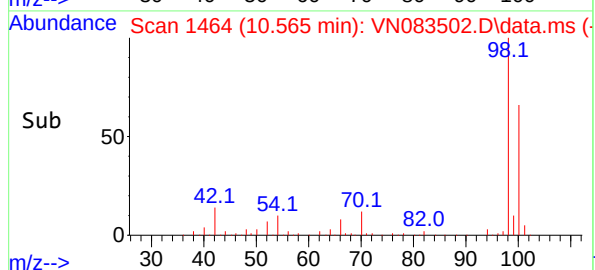
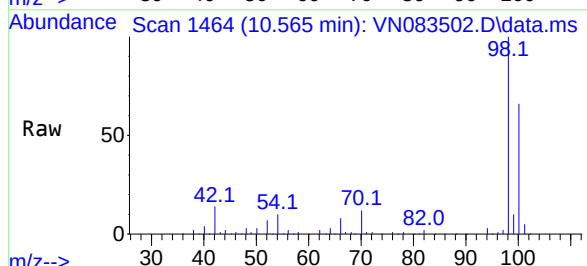
Acq: 27 Aug 2024 12:16

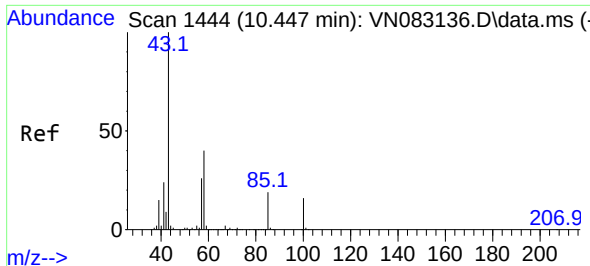
Tgt Ion: 98 Resp: 312687

Ion Ratio Lower Upper

98 100

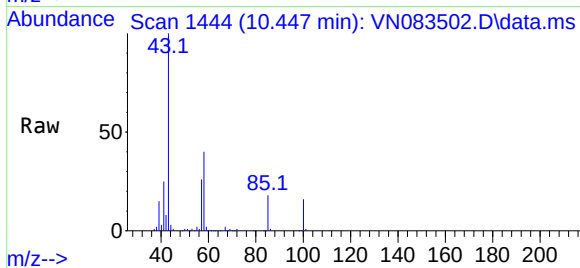
100 65.6 51.5 77.3





#51
4-Methyl-2-Pentanone
Concen: 108.412 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN083502.D
Acq: 27 Aug 2024 12:16

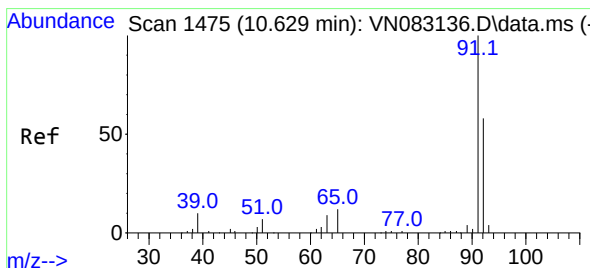
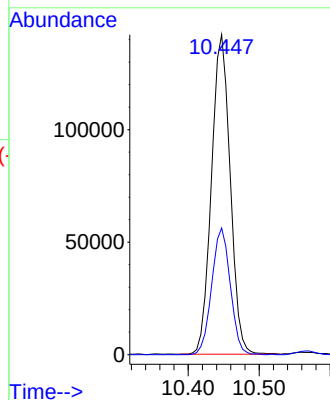
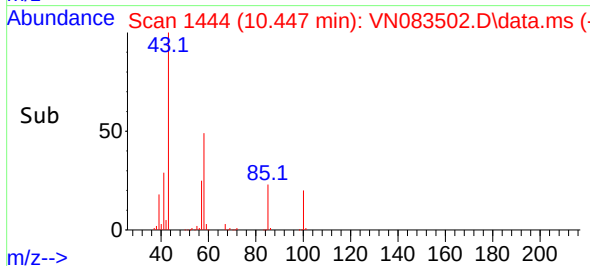
Instrument :
MSVOA_N
ClientSampleId :
VN0827WBS02



Tgt Ion: 43 Resp: 259854
Ion Ratio Lower Upper
43 100
58 39.3 28.2 42.4

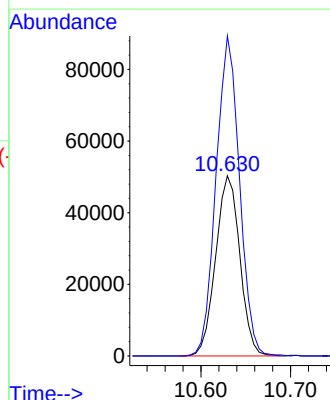
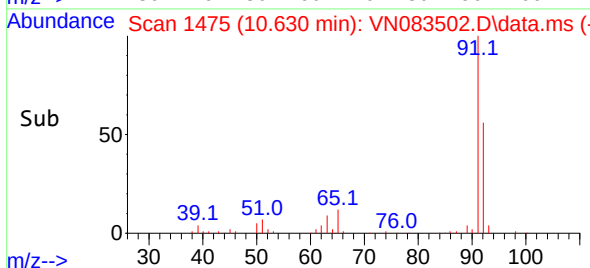
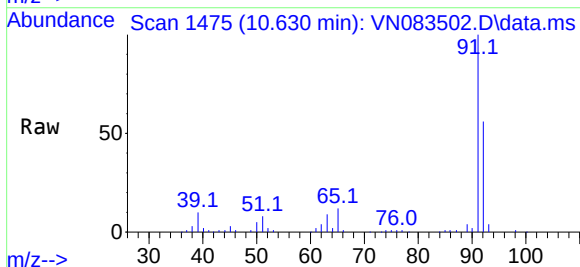
Manual Integrations
APPROVED

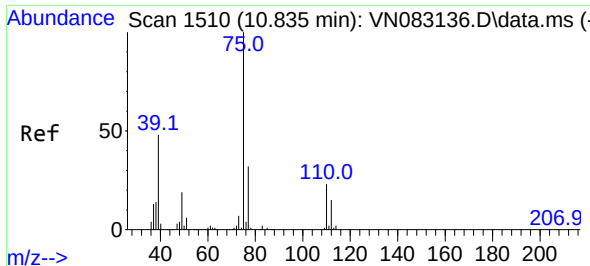
Reviewed By :Semsettin Yesilyurt 08/31/2024
Supervised By :Mahesh Dadoda 08/31/2024



#52
Toluene
Concen: 22.087 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN083502.D
Acq: 27 Aug 2024 12:16

Tgt Ion: 92 Resp: 94116
Ion Ratio Lower Upper
92 100
91 172.5 139.4 209.0





#53

t-1,3-Dichloropropene

Concen: 21.731 ug/l

RT: 10.835 min Scan# 1510

Delta R.T. 0.000 min

Lab File: VN083502.D

Acq: 27 Aug 2024 12:16

Instrument :

MSVOA_N

ClientSampleId :

VN0827WBS02

Tgt Ion: 75 Resp: 57430

Ion Ratio Lower Upper

75 100

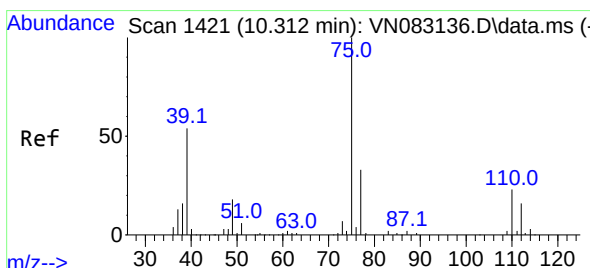
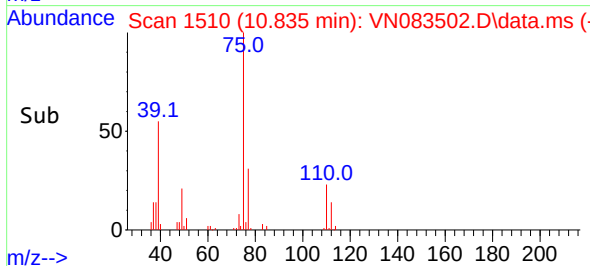
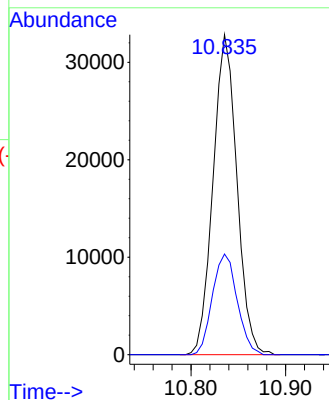
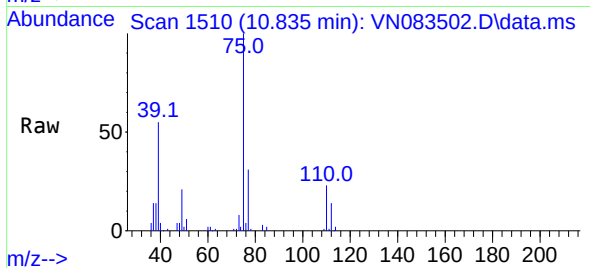
77 31.5 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/31/2024

Supervised By :Mahesh Dadoda 08/31/2024



#54

cis-1,3-Dichloropropene

Concen: 22.565 ug/l

RT: 10.312 min Scan# 1421

Delta R.T. 0.000 min

Lab File: VN083502.D

Acq: 27 Aug 2024 12:16

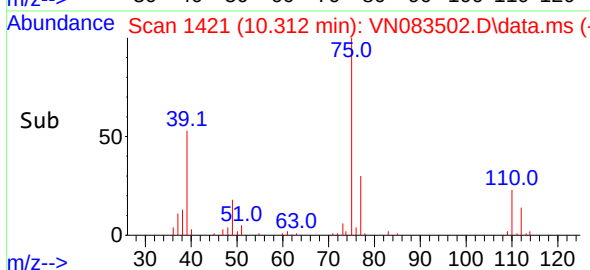
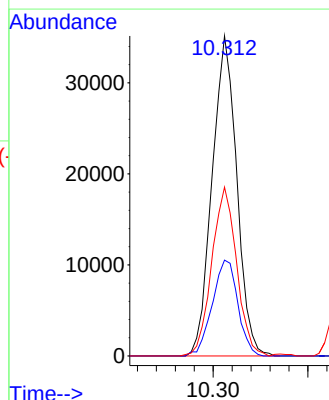
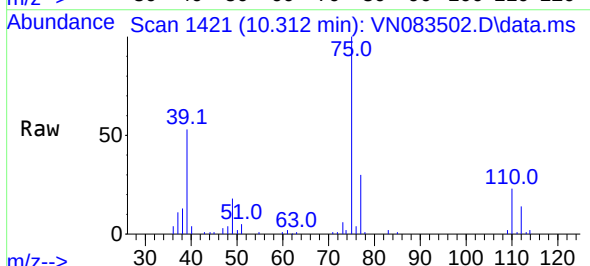
Tgt Ion: 75 Resp: 63430

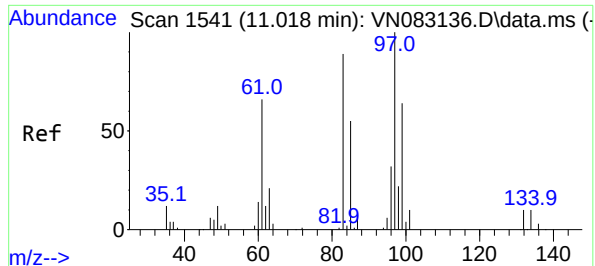
Ion Ratio Lower Upper

75 100

77 29.9 24.3 36.5

39 52.8 50.5 75.7





#55

1,1,2-Trichloroethane

Concen: 23.793 ug/l

RT: 11.018 min Scan# 1541

Delta R.T. 0.000 min

Lab File: VN083502.D

Acq: 27 Aug 2024 12:16

Instrument :

MSVOA_N

ClientSampleId :

VN0827WBS02

Tgt Ion: 97 Resp: 3633

Ion Ratio Lower Upper

97 100

83 85.1 71.4 107.0

85 53.2 45.8 68.6

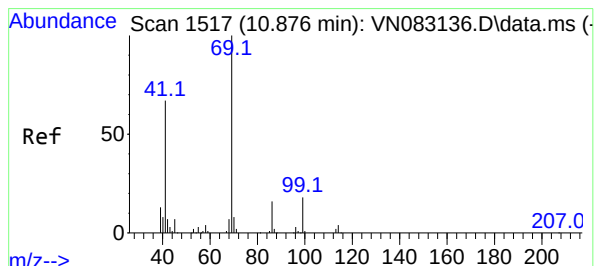
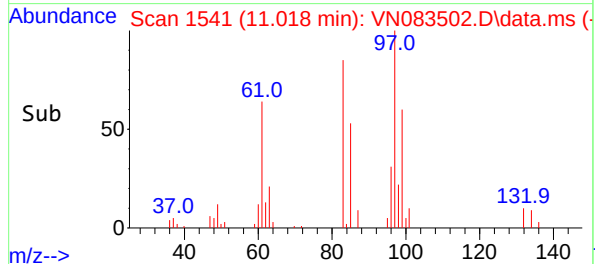
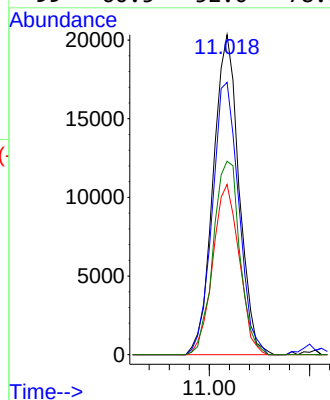
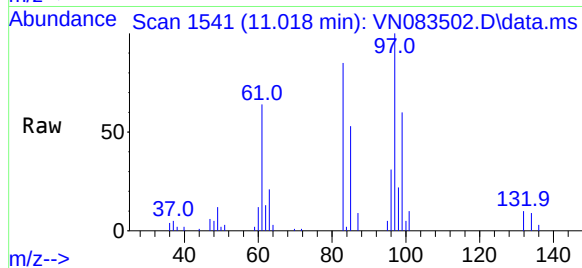
99 60.5 52.0 78.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/31/2024

Supervised By :Mahesh Dadoda 08/31/2024



#56

Ethyl methacrylate

Concen: 20.729 ug/l

RT: 10.877 min Scan# 1517

Delta R.T. 0.000 min

Lab File: VN083502.D

Acq: 27 Aug 2024 12:16

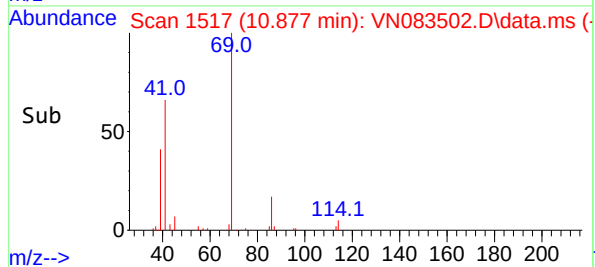
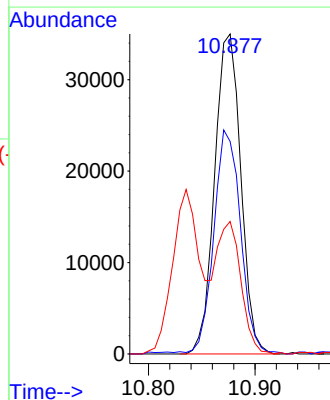
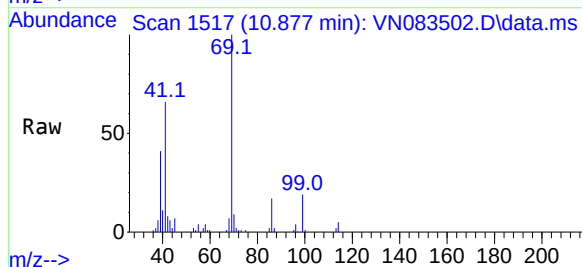
Tgt Ion: 69 Resp: 59672

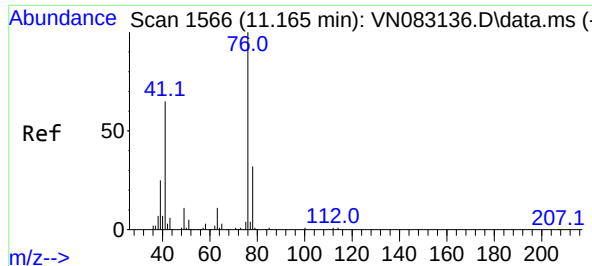
Ion Ratio Lower Upper

69 100

41 71.6 63.4 95.2

39 42.1 37.4 56.0





#57

1,3-Dichloropropane

Concen: 23.625 ug/l

RT: 11.159 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN083502.D

Acq: 27 Aug 2024 12:16

Instrument :

MSVOA_N

ClientSampleId :

VN0827WBS02

Tgt Ion: 76 Resp: 6430

Ion Ratio Lower Upper

76 100

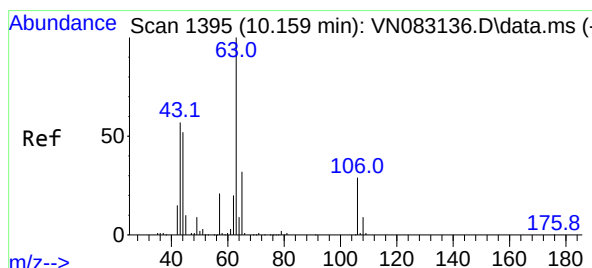
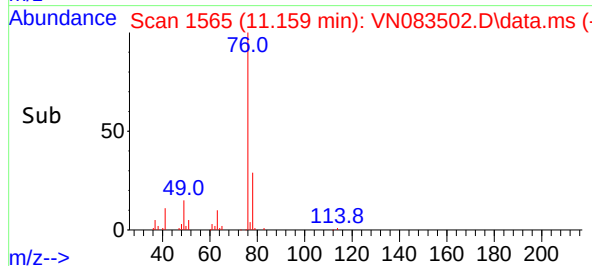
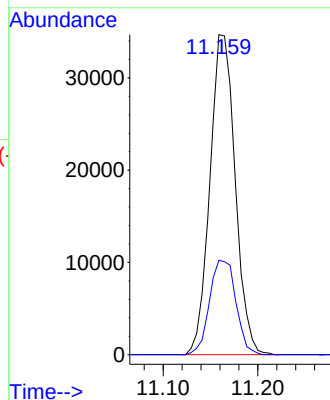
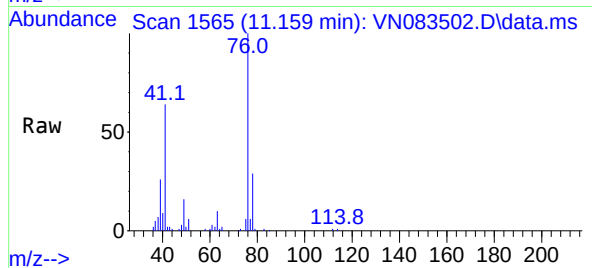
78 30.7 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/31/2024

Supervised By :Mahesh Dadoda 08/31/2024



#58

2-Chloroethyl Vinyl ether

Concen: 103.209 ug/l

RT: 10.159 min Scan# 1395

Delta R.T. 0.000 min

Lab File: VN083502.D

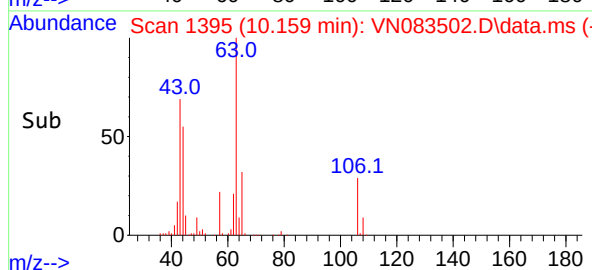
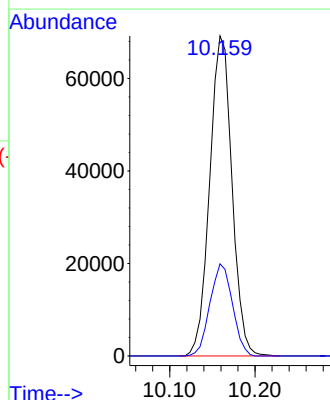
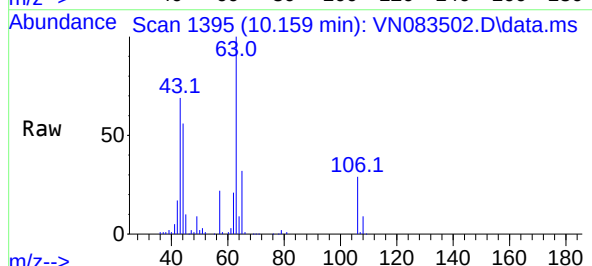
Acq: 27 Aug 2024 12:16

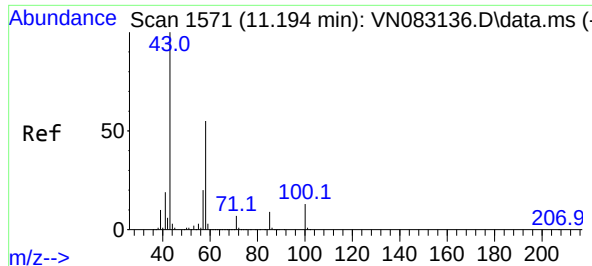
Tgt Ion: 63 Resp: 125590

Ion Ratio Lower Upper

63 100

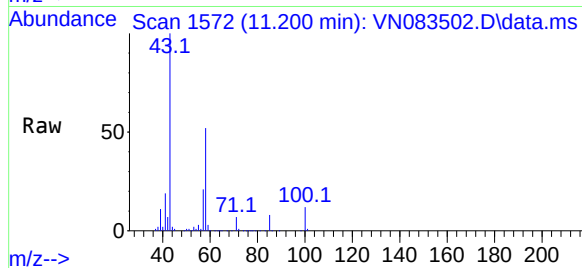
106 29.0 21.4 32.0





#59
2-Hexanone
Concen: 106.123 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.006 min
Lab File: VN083502.D
Acq: 27 Aug 2024 12:16

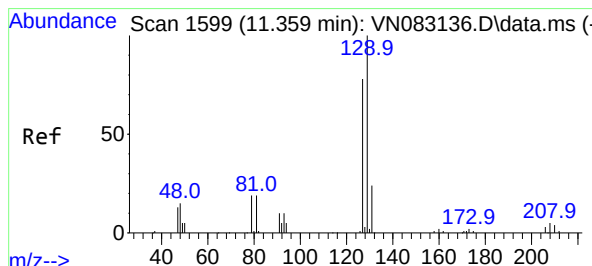
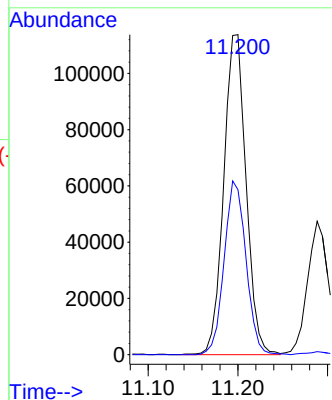
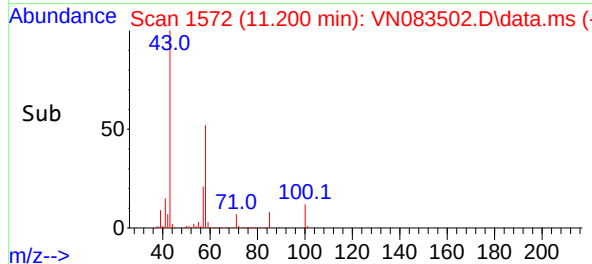
Instrument :
MSVOA_N
ClientSampleId :
VN0827WBS02



Tgt Ion: 43 Resp: 196788
Ion Ratio Lower Upper
43 100
58 53.0 24.6 73.8

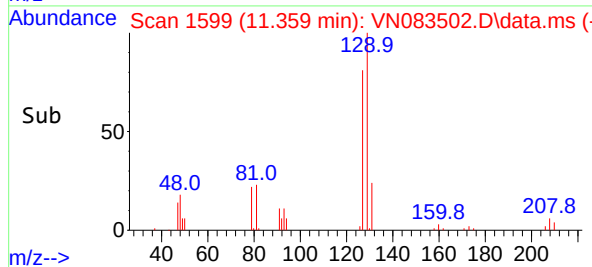
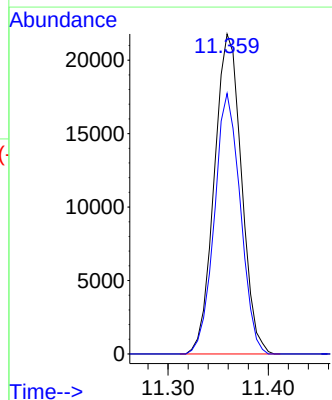
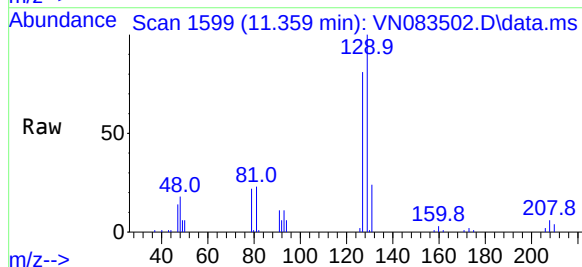
Manual Integrations
APPROVED

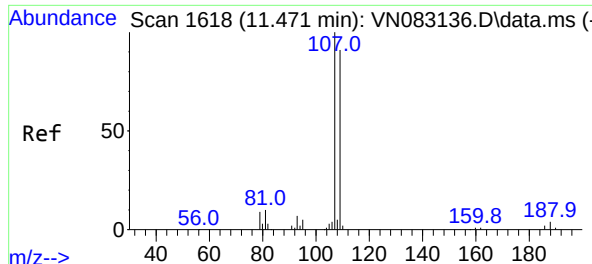
Reviewed By :Semsettin Yesilyurt 08/31/2024
Supervised By :Mahesh Dadoda 08/31/2024



#60
Dibromochloromethane
Concen: 22.196 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VN083502.D
Acq: 27 Aug 2024 12:16

Tgt Ion:129 Resp: 40979
Ion Ratio Lower Upper
129 100
127 77.8 39.2 117.6





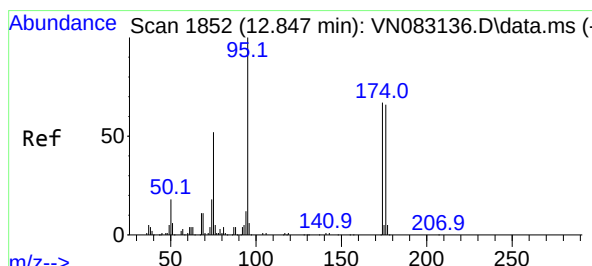
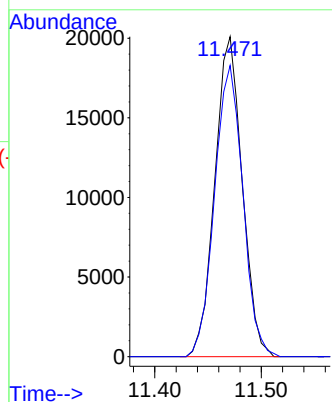
#61
1,2-Dibromoethane
Concen: 22.374 ug/l
RT: 11.471 min Scan# 1618
Delta R.T. 0.000 min
Lab File: VN083502.D
Acq: 27 Aug 2024 12:16

Instrument :
MSVOA_N
ClientSampleId :
VN0827WBS02

Tgt Ion:107 Resp: 35892
Ion Ratio Lower Upper
107 100
109 94.0 73.7 110.5

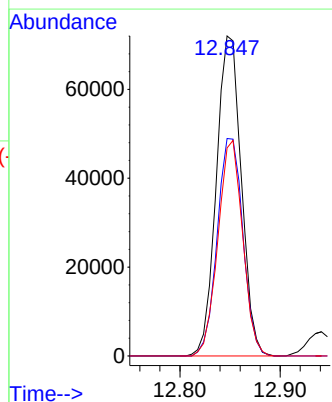
Manual Integrations
APPROVED

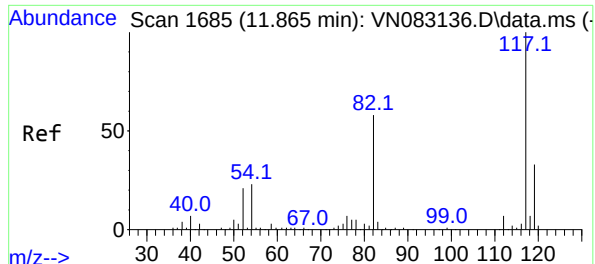
Reviewed By :Semsettin Yesilyurt 08/31/2024
Supervised By :Mahesh Dadoda 08/31/2024



#62
4-Bromofluorobenzene
Concen: 57.206 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN083502.D
Acq: 27 Aug 2024 12:16

Tgt Ion: 95 Resp: 124498
Ion Ratio Lower Upper
95 100
174 69.9 0.0 159.2
176 66.6 0.0 147.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN083502.D

Acq: 27 Aug 2024 12:16

Instrument :

MSVOA_N

ClientSampleId :

VN0827WBS02

Tgt Ion:117 Resp: 20615

Ion Ratio Lower Upper

117 100

82 59.9 47.5 71.3

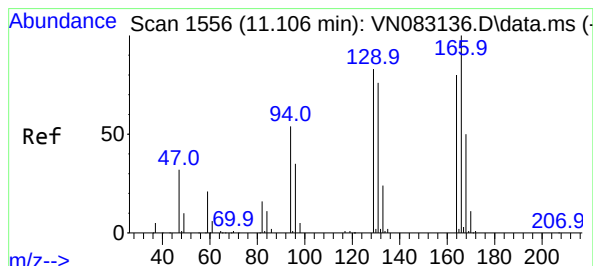
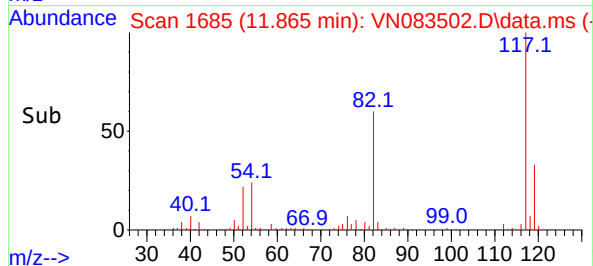
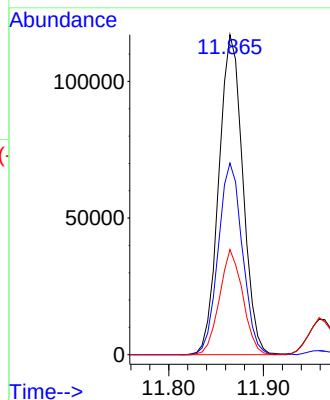
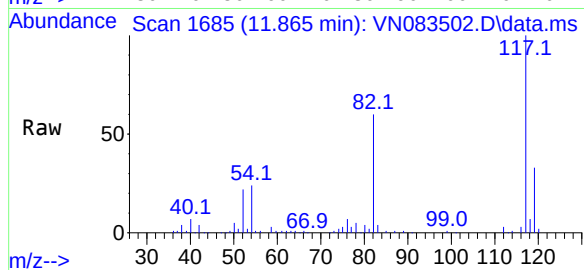
119 32.9 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/31/2024

Supervised By :Mahesh Dadoda 08/31/2024



#64

Tetrachloroethene

Concen: 21.282 ug/l

RT: 11.100 min Scan# 1555

Delta R.T. -0.006 min

Lab File: VN083502.D

Acq: 27 Aug 2024 12:16

Tgt Ion:164 Resp: 29056

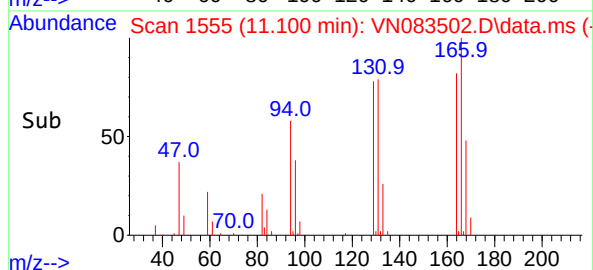
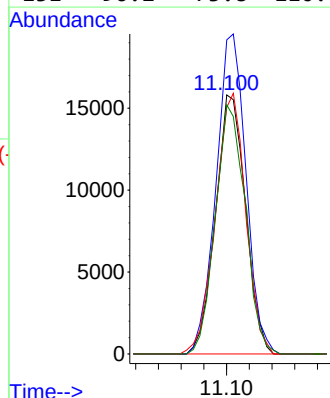
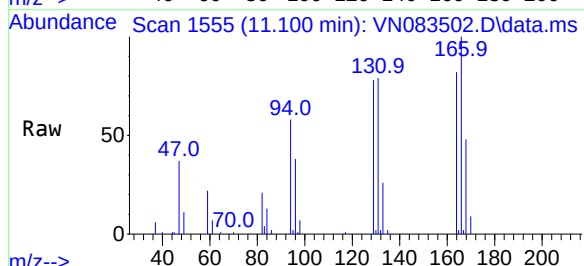
Ion Ratio Lower Upper

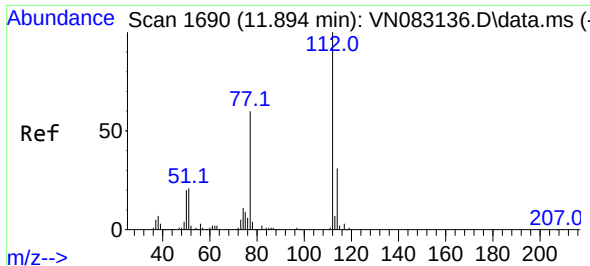
164 100

166 121.2 101.4 152.0

129 95.2 75.7 113.5

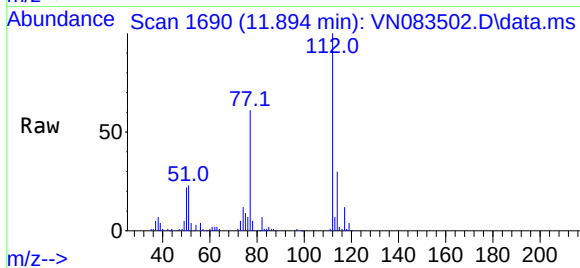
131 96.2 73.8 110.6





#65
Chlorobenzene
Concen: 21.987 ug/l
RT: 11.894 min Scan# 1100
Delta R.T. 0.000 min
Lab File: VN083502.D
Acq: 27 Aug 2024 12:16

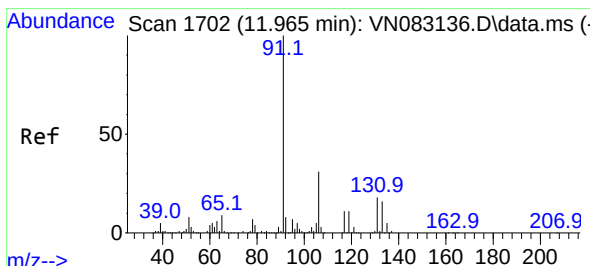
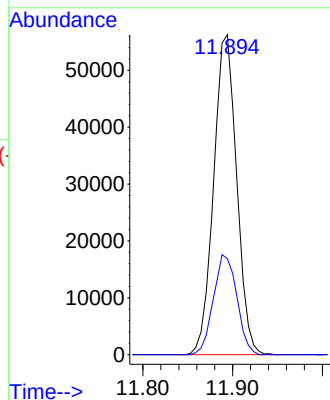
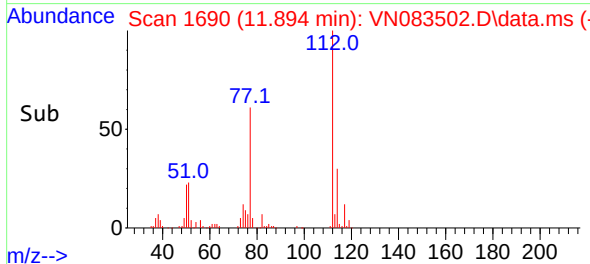
Instrument :
MSVOA_N
ClientSampleId :
VN0827WBS02



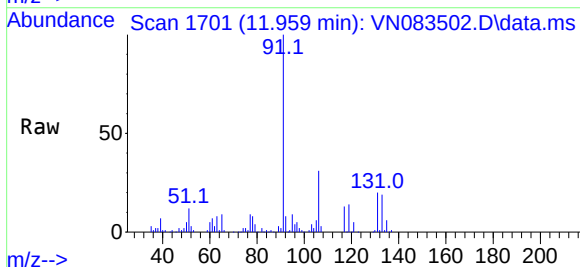
Tgt Ion:112 Resp: 10016
Ion Ratio Lower Upper
112 100
114 30.0 26.2 39.2

Manual Integrations
APPROVED

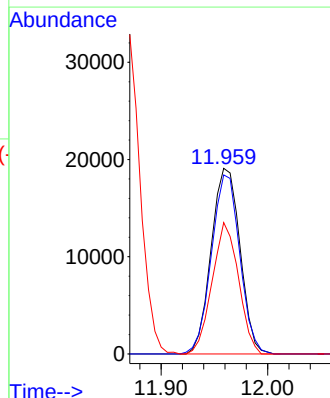
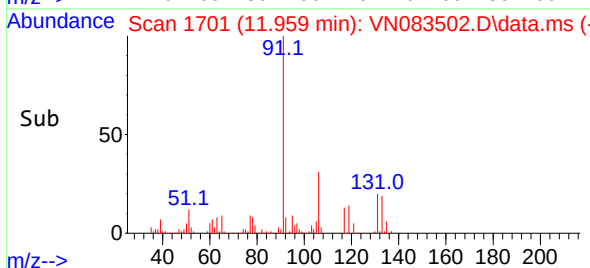
Reviewed By :Semsettin Yesilyurt 08/31/2024
Supervised By :Mahesh Dadoda 08/31/2024

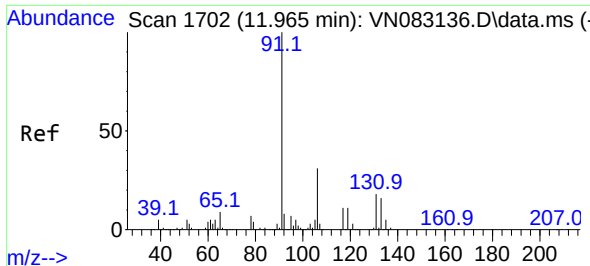


#66
1,1,1,2-Tetrachloroethane
Concen: 22.297 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.006 min
Lab File: VN083502.D
Acq: 27 Aug 2024 12:16



Tgt Ion:131 Resp: 35825
Ion Ratio Lower Upper
131 100
133 95.0 47.3 142.0
119 64.9 32.5 97.4





#67

Ethyl Benzene

Concen: 21.475 ug/l

RT: 11.965 min Scan# 1702

Delta R.T. 0.000 min

Lab File: VN083502.D

Acq: 27 Aug 2024 12:16

Instrument :

MSVOA_N

ClientSampleId :

VN0827WBS02

Tgt Ion: 91 Resp: 179472

Ion Ratio Lower Upper

91 100

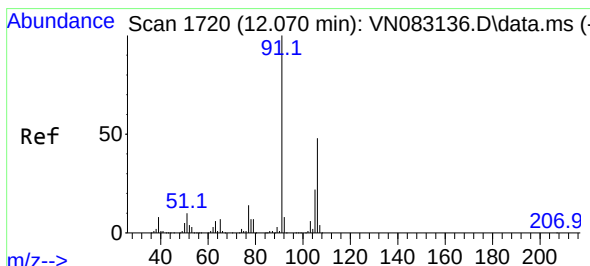
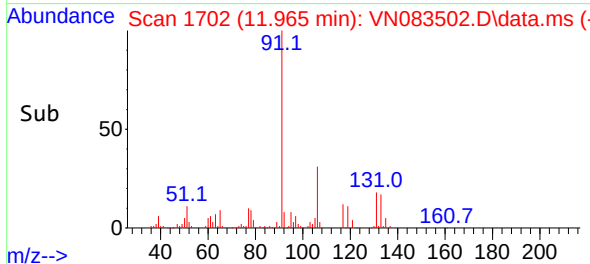
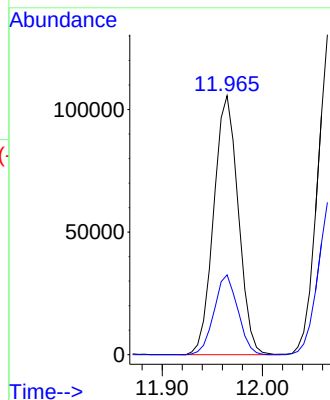
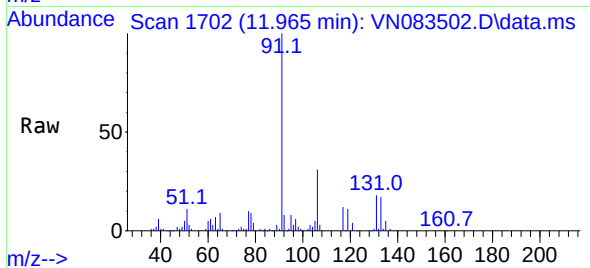
106 30.8 24.0 36.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/31/2024

Supervised By :Mahesh Dadoda 08/31/2024



#68

m/p-Xylenes

Concen: 43.057 ug/l

RT: 12.071 min Scan# 1720

Delta R.T. 0.000 min

Lab File: VN083502.D

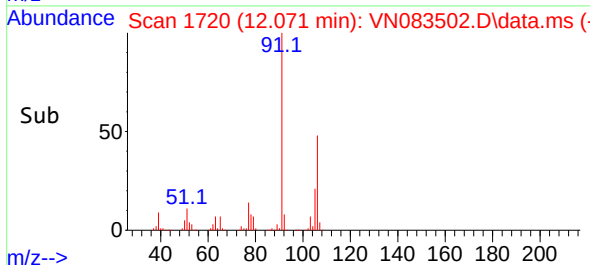
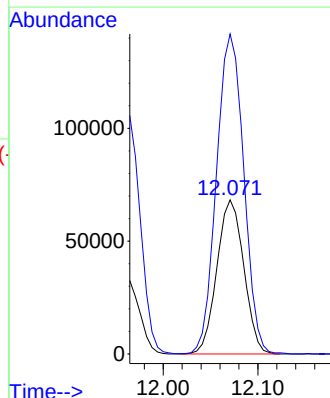
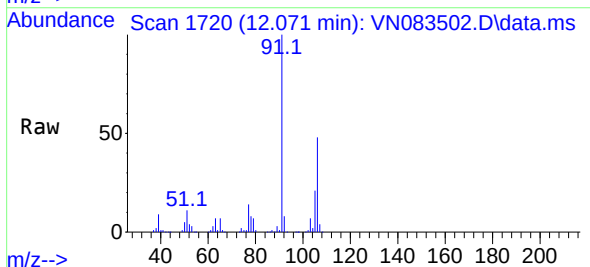
Acq: 27 Aug 2024 12:16

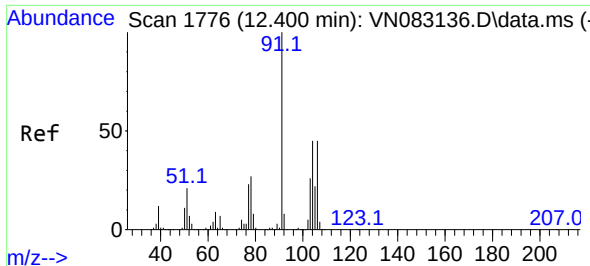
Tgt Ion:106 Resp: 134795

Ion Ratio Lower Upper

106 100

91 210.7 166.1 249.1





#69

o-Xylene

Concen: 21.355 ug/l

RT: 12.400 min Scan# 1776

Delta R.T. 0.000 min

Lab File: VN083502.D

Acq: 27 Aug 2024 12:16

Instrument :

MSVOA_N

ClientSampleId :

VN0827WBS02

Tgt Ion:106 Resp: 6593

Ion Ratio Lower Upper

106 100

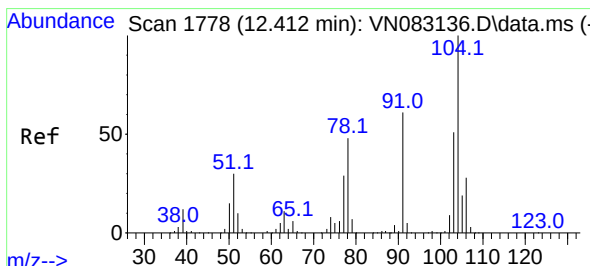
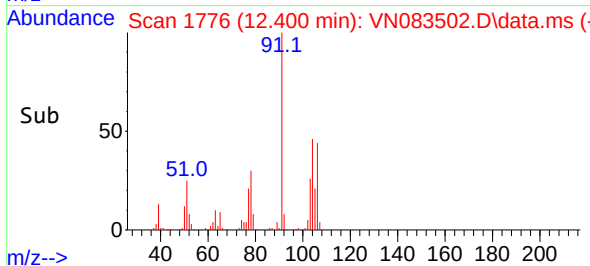
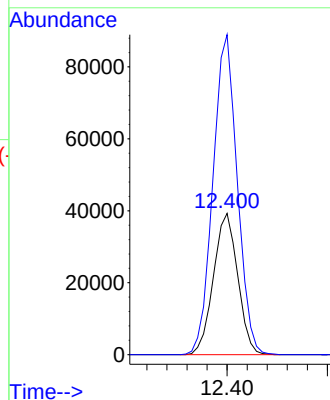
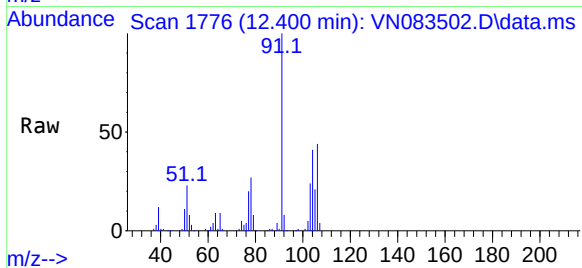
91 226.6 111.3 333.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/31/2024

Supervised By :Mahesh Dadoda 08/31/2024



#70

Styrene

Concen: 21.003 ug/l

RT: 12.412 min Scan# 1778

Delta R.T. 0.000 min

Lab File: VN083502.D

Acq: 27 Aug 2024 12:16

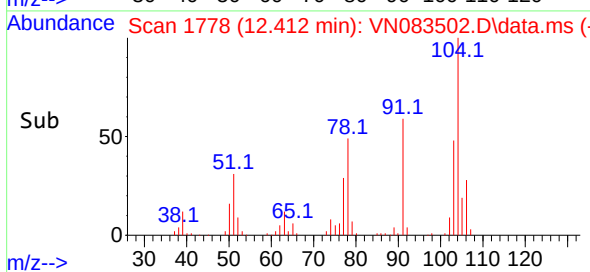
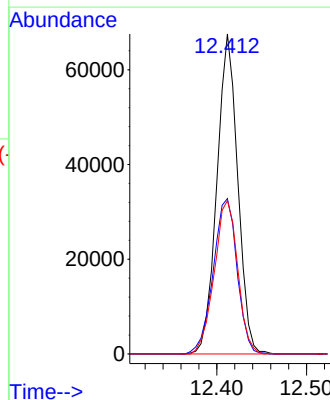
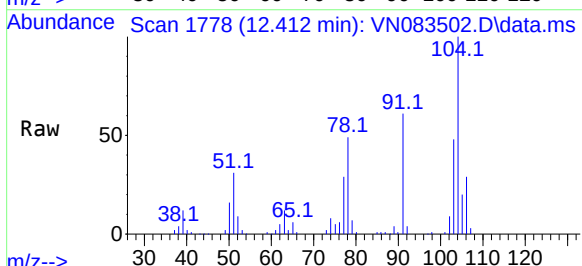
Tgt Ion:104 Resp: 108916

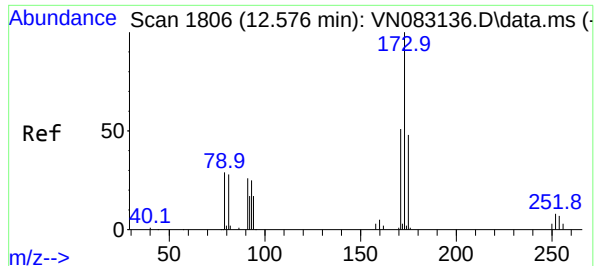
Ion Ratio Lower Upper

104 100

78 55.6 41.6 62.4

103 53.8 44.0 66.0





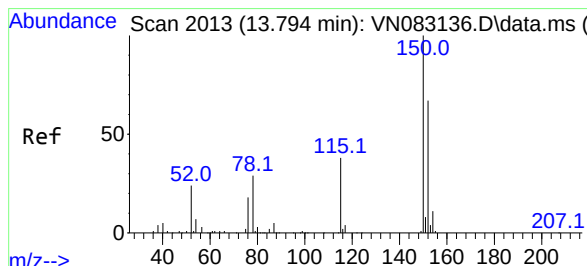
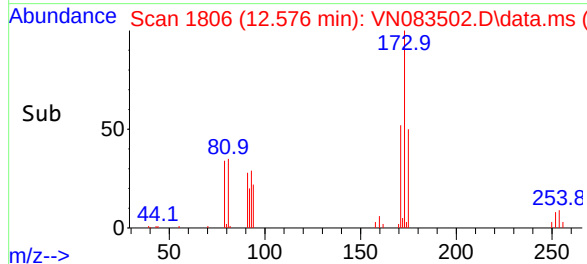
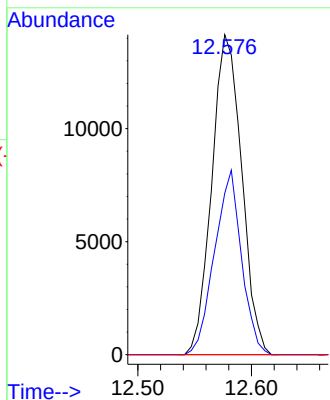
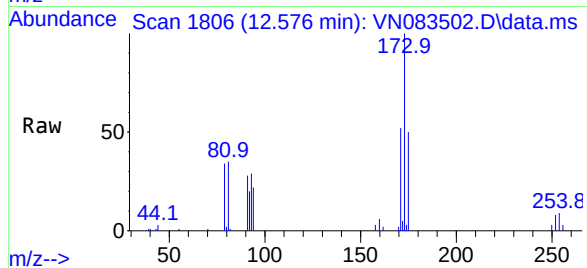
#71
Bromoform
Concen: 21.253 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VN083502.D
Acq: 27 Aug 2024 12:16

Instrument :
MSVOA_N
ClientSampleId :
VN0827WBS02

Tgt Ion:173 Resp: 25869
Ion Ratio Lower Upper
173 100
175 52.1 24.0 72.0
254 0.0 0.0 0.0

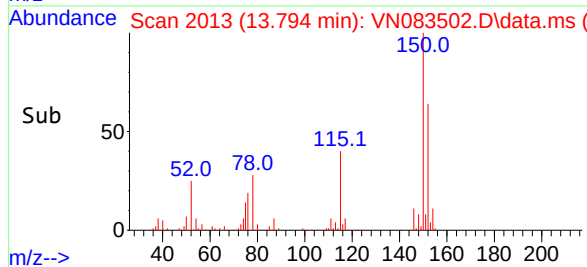
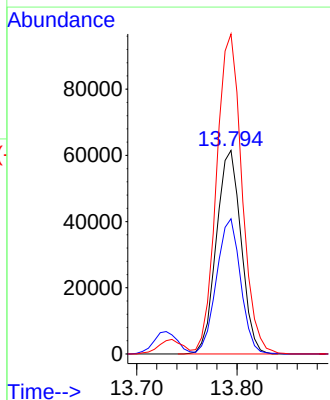
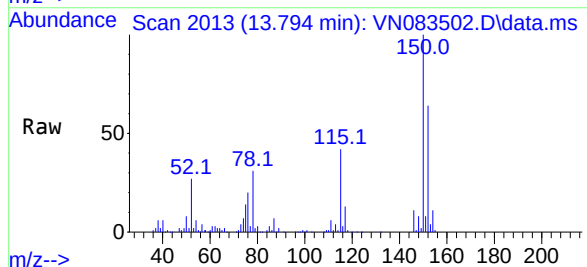
Manual Integrations
APPROVED

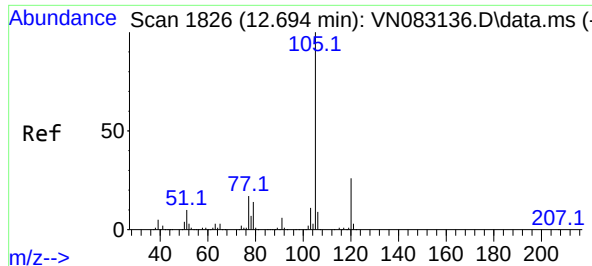
Reviewed By :Semsettin Yesilyurt 08/31/2024
Supervised By :Mahesh Dadoda 08/31/2024



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN083502.D
Acq: 27 Aug 2024 12:16

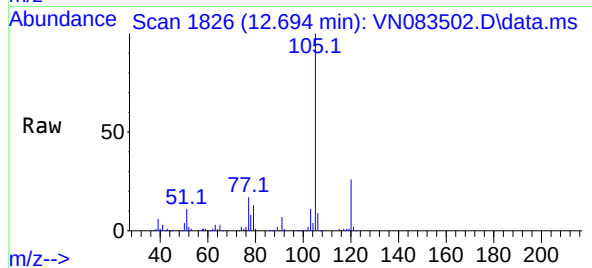
Tgt Ion:152 Resp: 105331
Ion Ratio Lower Upper
152 100
115 64.9 30.6 91.6
150 161.7 0.0 348.6





#73
Isopropylbenzene
Concen: 19.612 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN083502.D
Acq: 27 Aug 2024 12:16

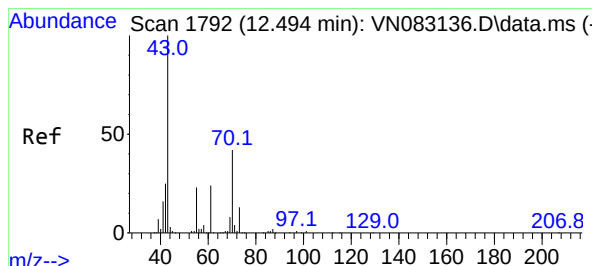
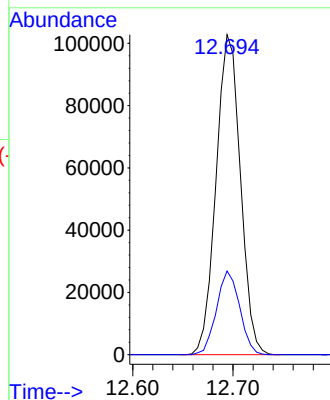
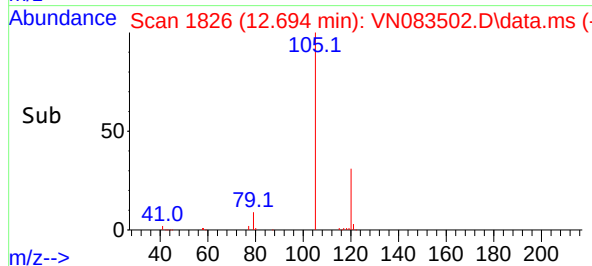
Instrument :
MSVOA_N
ClientSampleId :
VN0827WBS02



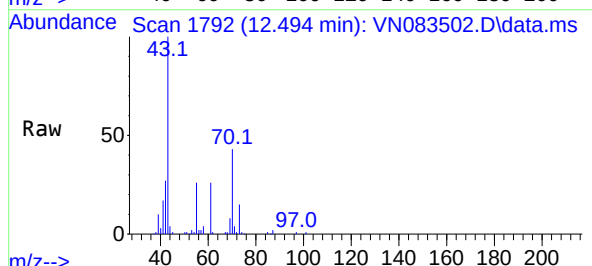
Tgt Ion: 105 Resp: 17278
Ion Ratio Lower Upper
105 100
120 24.9 12.9 38.6

Manual Integrations
APPROVED

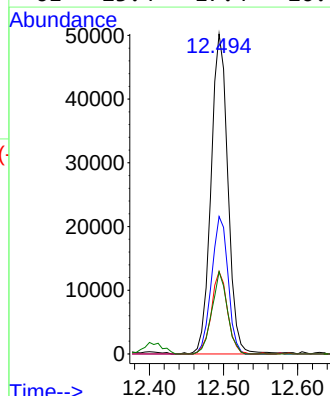
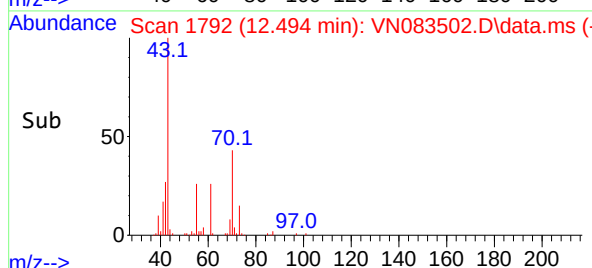
Reviewed By :Semsettin Yesilyurt 08/31/2024
Supervised By :Mahesh Dadoda 08/31/2024

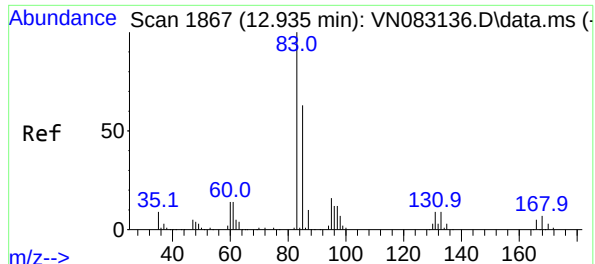


#74
N-ethyl acetate
Concen: 18.469 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VN083502.D
Acq: 27 Aug 2024 12:16



Tgt Ion: 43 Resp: 79589
Ion Ratio Lower Upper
43 100
70 41.8 29.8 44.6
55 24.5 18.7 28.1
61 23.4 17.4 26.0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.519 ug/l

RT: 12.941 min Scan# 1868

Delta R.T. 0.006 min

Lab File: VN083502.D

Acq: 27 Aug 2024 12:16

Instrument :

MSVOA_N

ClientSampleId :

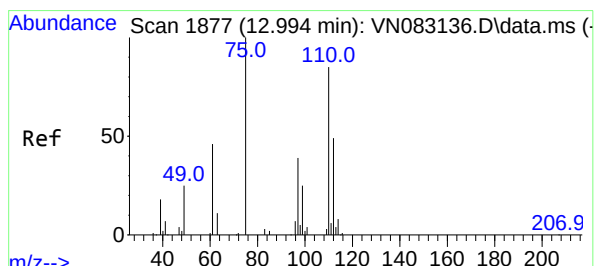
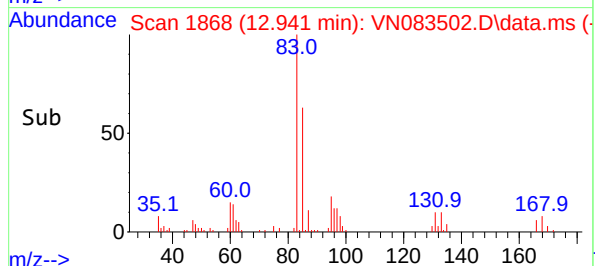
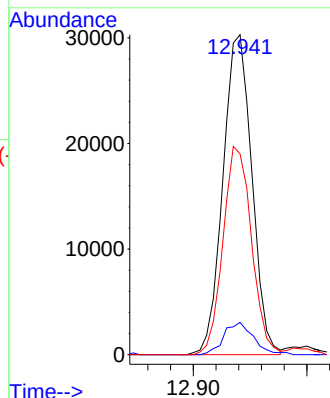
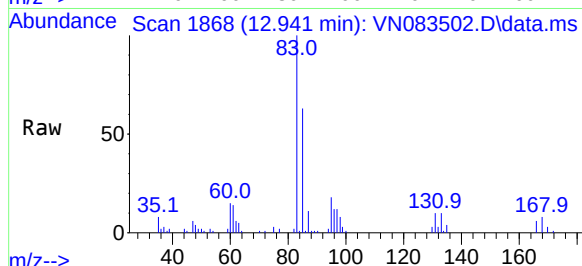
VN0827WBS02

Tgt Ion:	83	Resp:	5362
Ion	Ratio	Lower	Upper
83	100		
131	10.4	5.0	14.9
85	64.1	31.9	95.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/31/2024
Supervised By :Mahesh Dadoda 08/31/2024



#76

1,2,3-Trichloropropane

Concen: 23.729 ug/l m

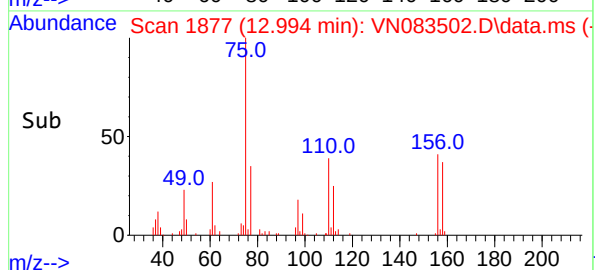
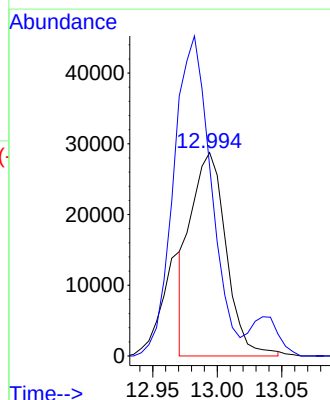
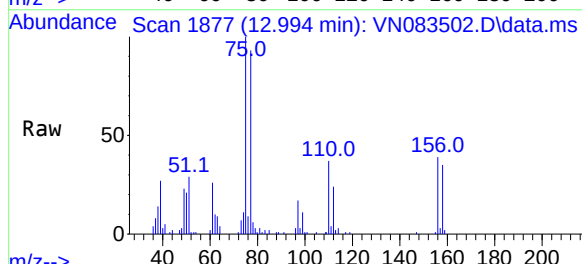
RT: 12.994 min Scan# 1877

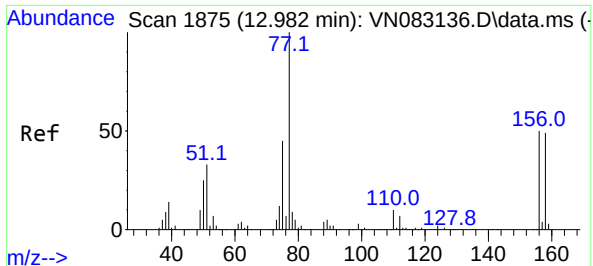
Delta R.T. 0.000 min

Lab File: VN083502.D

Acq: 27 Aug 2024 12:16

Tgt Ion:	75	Resp:	54855
Ion	Ratio	Lower	Upper
75	100		
77	166.1	110.9	332.6





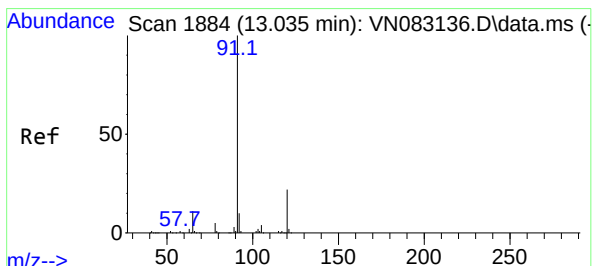
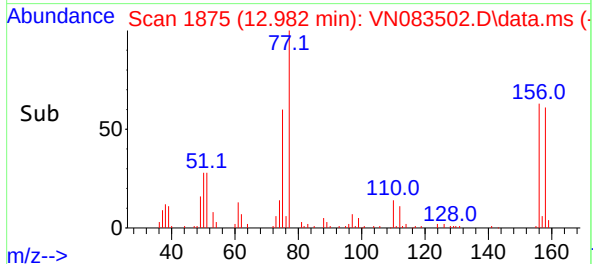
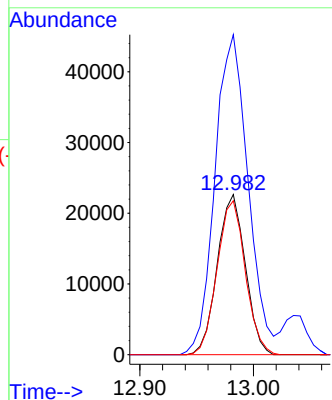
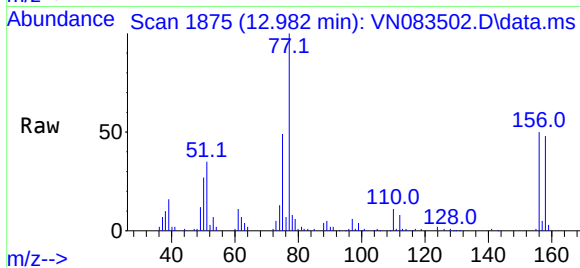
#77
Bromobenzene
Concen: 19.803 ug/l
RT: 12.982 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VN083502.D
Acq: 27 Aug 2024 12:16

Instrument :
MSVOA_N
ClientSampleId :
VN0827WBS02

Tgt Ion:156 Resp: 38750
Ion Ratio Lower Upper
156 100
77 235.1 111.3 333.8
158 96.9 48.3 144.9

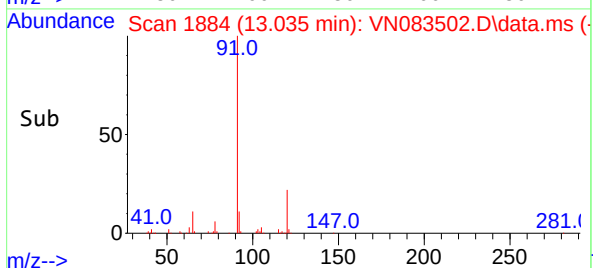
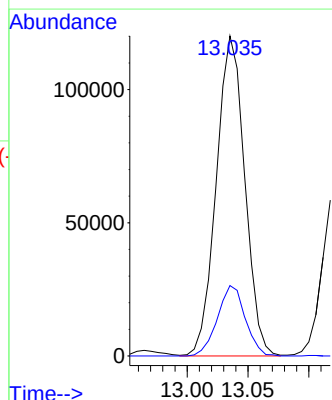
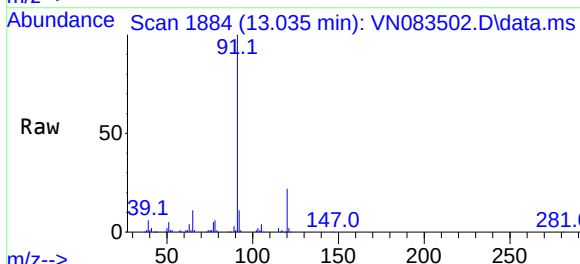
Manual Integrations
APPROVED

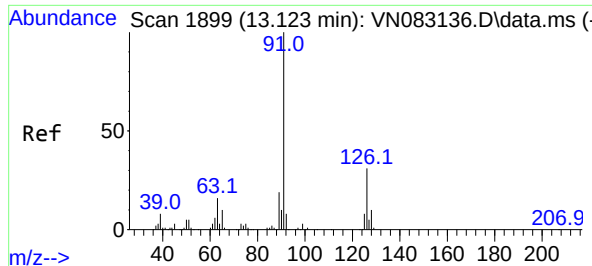
Reviewed By :Semsettin Yesilyurt 08/31/2024
Supervised By :Mahesh Dadoda 08/31/2024



#78
n-propylbenzene
Concen: 19.281 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN083502.D
Acq: 27 Aug 2024 12:16

Tgt Ion: 91 Resp: 195597
Ion Ratio Lower Upper
91 100
120 21.5 10.9 32.9





#79

2-Chlorotoluene

Concen: 19.652 ug/l

RT: 13.123 min Scan# 1899

Delta R.T. 0.000 min

Lab File: VN083502.D

Acq: 27 Aug 2024 12:16

Instrument :

MSVOA_N

ClientSampleId :

VN0827WBS02

Tgt Ion: 91 Resp: 12639

Ion Ratio Lower Upper

91 100

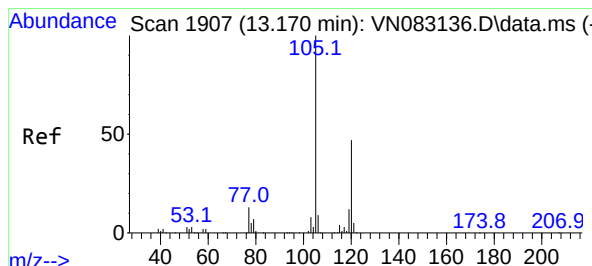
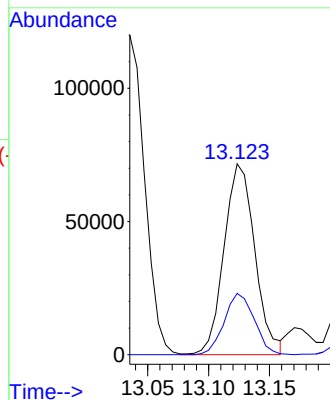
126 31.2 16.2 48.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/31/2024

Supervised By :Mahesh Dadoda 08/31/2024



#80

1,3,5-Trimethylbenzene

Concen: 19.789 ug/l

RT: 13.171 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VN083502.D

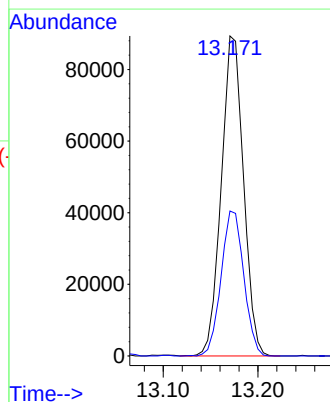
Acq: 27 Aug 2024 12:16

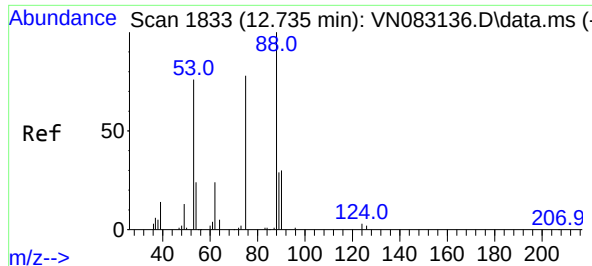
Tgt Ion:105 Resp: 145965

Ion Ratio Lower Upper

105 100

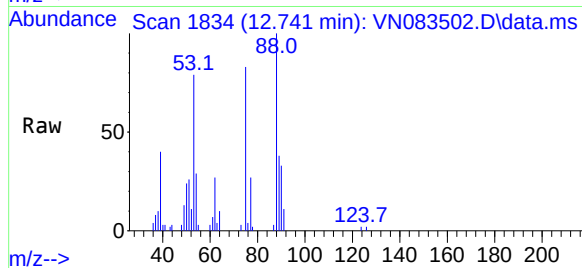
120 46.2 24.3 72.8





#81
trans-1,4-Dichloro-2-butene
Concen: 17.016 ug/l
RT: 12.741 min Scan# 1834
Delta R.T. 0.006 min
Lab File: VN083502.D
Acq: 27 Aug 2024 12:16

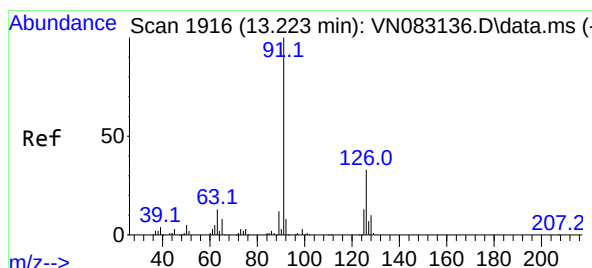
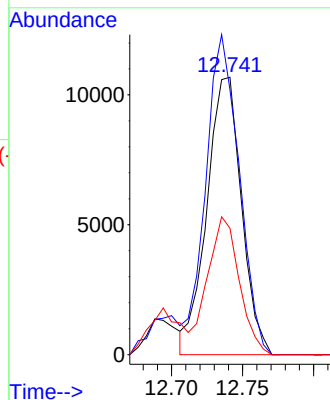
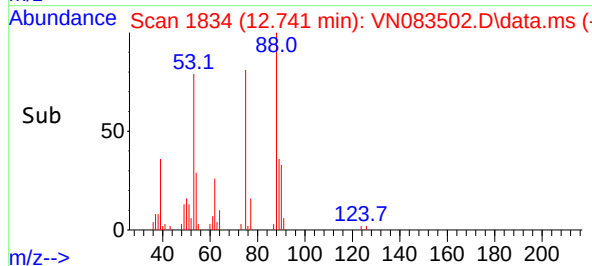
Instrument :
MSVOA_N
ClientSampleId :
VN0827WBS02



Tgt Ion: 75 Resp: 18084
Ion Ratio Lower Upper
75 100
53 112.0 88.4 132.6
89 45.6 36.3 54.5

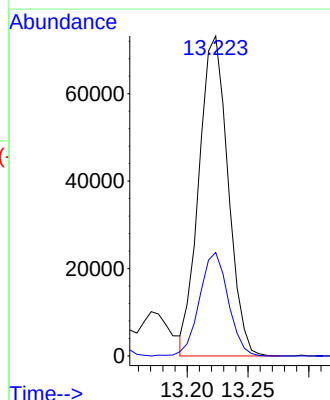
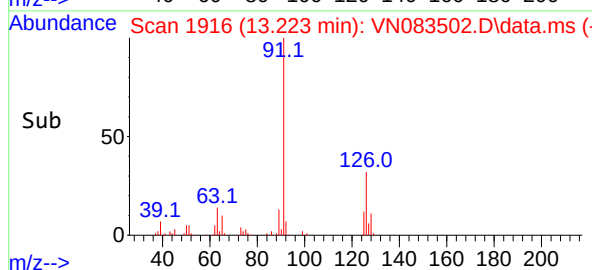
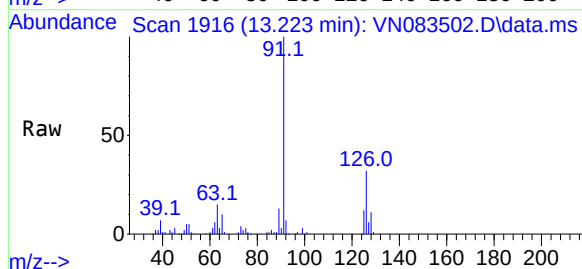
Manual Integrations
APPROVED

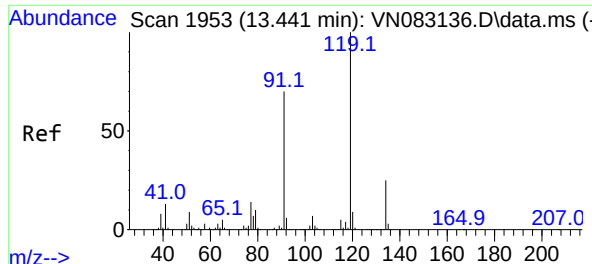
Reviewed By :Semsettin Yesilyurt 08/31/2024
Supervised By :Mahesh Dadoda 08/31/2024



#82
4-Chlorotoluene
Concen: 18.917 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. 0.000 min
Lab File: VN083502.D
Acq: 27 Aug 2024 12:16

Tgt Ion: 91 Resp: 122044
Ion Ratio Lower Upper
91 100
126 31.8 16.2 48.6





#83

tert-Butylbenzene

Concen: 19.877 ug/l

RT: 13.441 min Scan# 1953

Delta R.T. 0.000 min

Lab File: VN083502.D

Acq: 27 Aug 2024 12:16

Instrument :

MSVOA_N

ClientSampleId :

VN0827WBS02

Tgt Ion:119 Resp: 129839

Ion Ratio Lower Upper

119 100

91 70.7 35.0 105.1

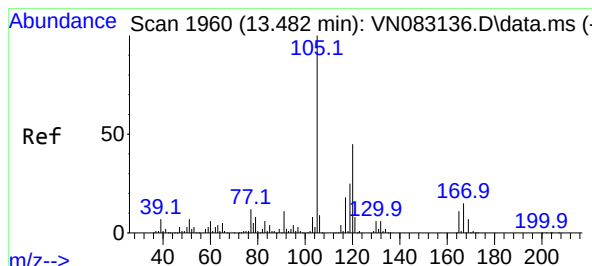
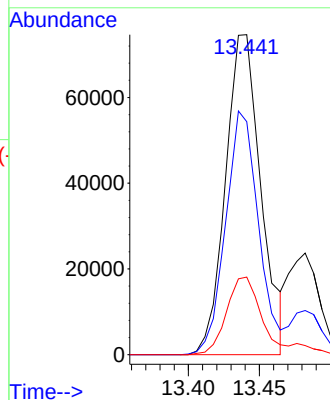
134 25.8 13.3 39.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/31/2024

Supervised By :Mahesh Dadoda 08/31/2024



#84

1,2,4-Trimethylbenzene

Concen: 19.586 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. 0.000 min

Lab File: VN083502.D

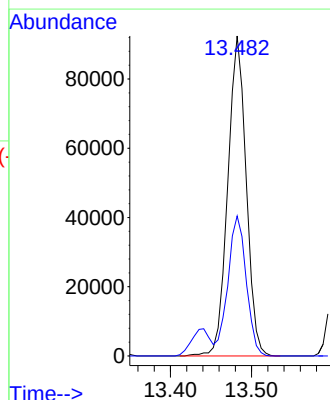
Acq: 27 Aug 2024 12:16

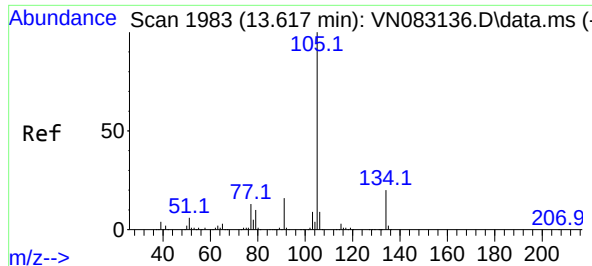
Tgt Ion:105 Resp: 145589

Ion Ratio Lower Upper

105 100

120 43.6 21.9 65.8





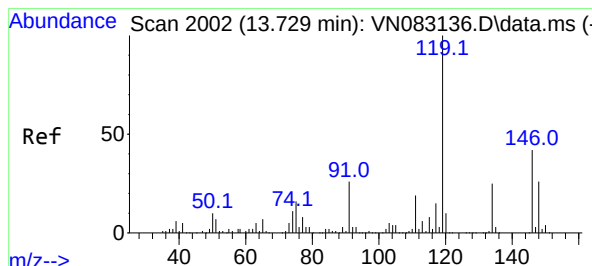
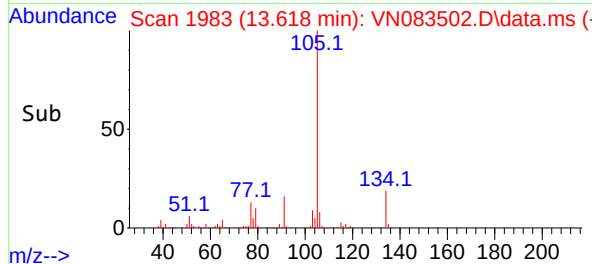
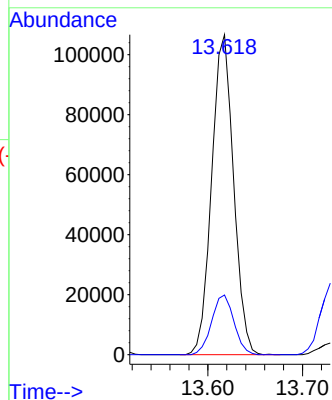
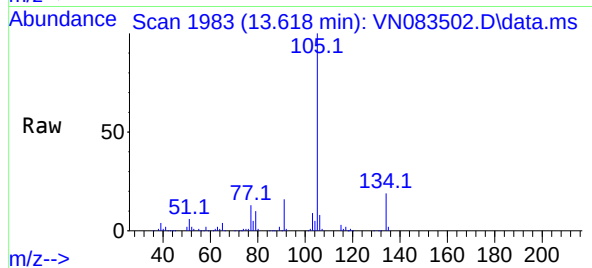
#85
sec-Butylbenzene
Concen: 19.172 ug/l
RT: 13.618 min Scan# 1983
Delta R.T. 0.000 min
Lab File: VN083502.D
Acq: 27 Aug 2024 12:16

Instrument :
MSVOA_N
ClientSampleId :
VN0827WBS02

Tgt Ion:105 Resp: 170884
Ion Ratio Lower Upper
105 100
134 19.0 9.8 29.3

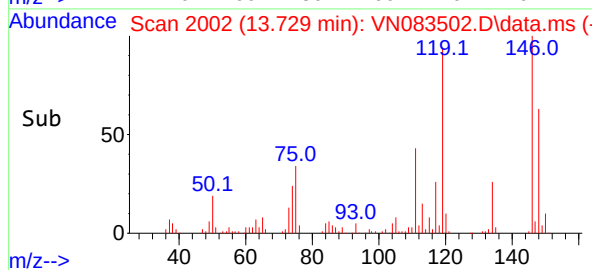
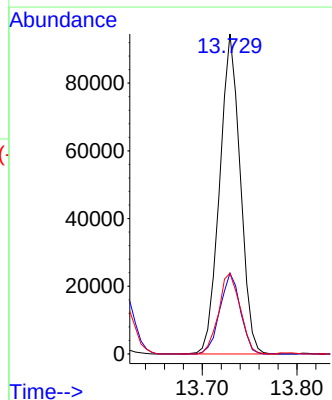
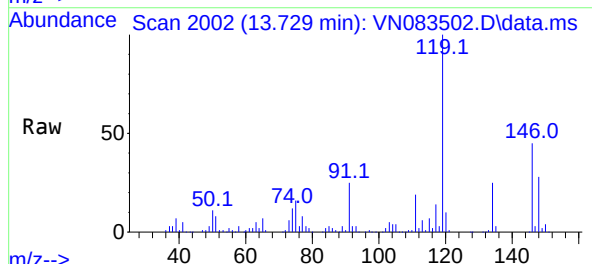
Manual Integrations
APPROVED

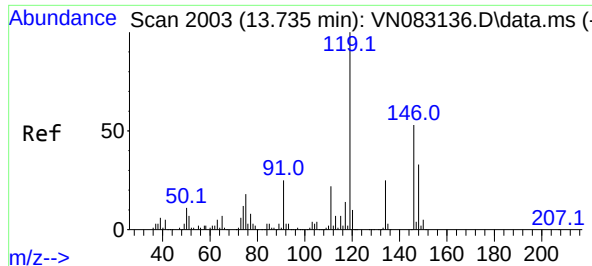
Reviewed By :Semsettin Yesilyurt 08/31/2024
Supervised By :Mahesh Dadoda 08/31/2024



#86
p-Isopropyltoluene
Concen: 19.409 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN083502.D
Acq: 27 Aug 2024 12:16

Tgt Ion:119 Resp: 142837
Ion Ratio Lower Upper
119 100
134 25.0 13.0 39.0
91 26.5 12.3 36.9





#87

1,3-Dichlorobenzene

Concen: 19.959 ug/l

RT: 13.735 min Scan# 2003

Delta R.T. 0.000 min

Lab File: VN083502.D

Acq: 27 Aug 2024 12:16

Instrument :

MSVOA_N

ClientSampleId :

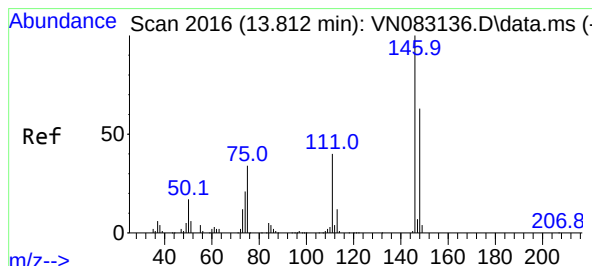
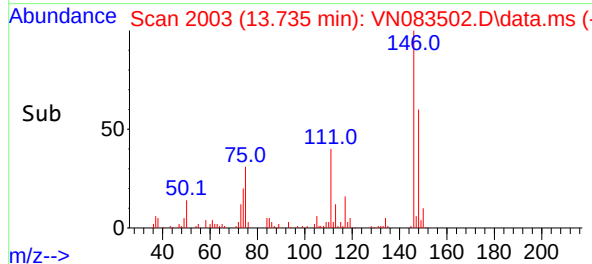
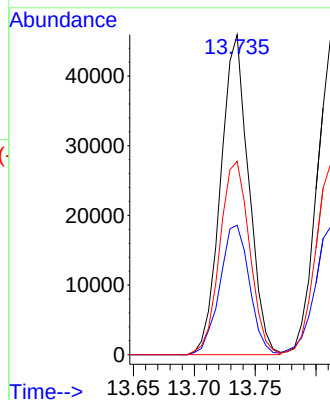
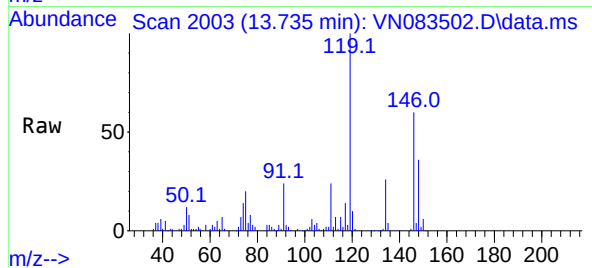
VN0827WBS02

Tgt Ion:	146	Resp:	7349
Ion	Ratio	Lower	Upper
146	100		
111	42.9	20.6	61.9
148	64.3	31.8	95.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/31/2024
Supervised By :Mahesh Dadoda 08/31/2024



#88

1,4-Dichlorobenzene

Concen: 19.538 ug/l

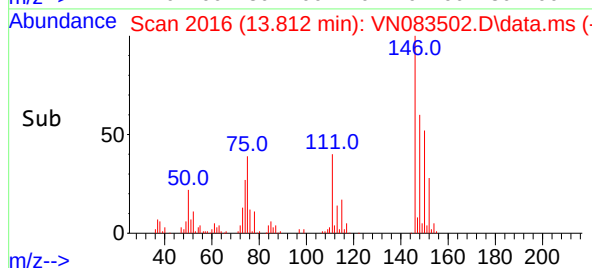
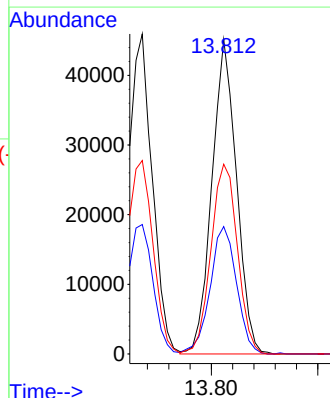
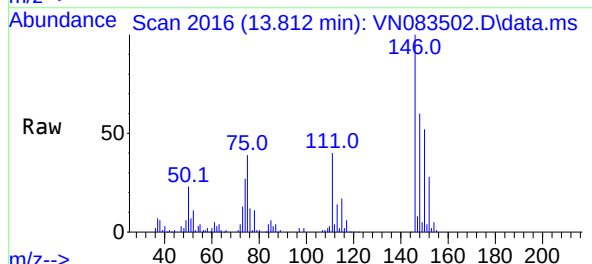
RT: 13.812 min Scan# 2016

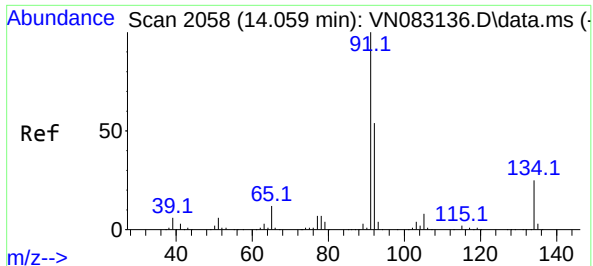
Delta R.T. 0.000 min

Lab File: VN083502.D

Acq: 27 Aug 2024 12:16

Tgt Ion:	146	Resp:	72536
Ion	Ratio	Lower	Upper
146	100		
111	43.5	20.1	60.3
148	64.9	32.2	96.6





#89

n-Butylbenzene

Concen: 18.572 ug/l

RT: 14.059 min Scan# 2058

Delta R.T. 0.000 min

Lab File: VN083502.D

Acq: 27 Aug 2024 12:16

Instrument :

MSVOA_N

ClientSampleId :

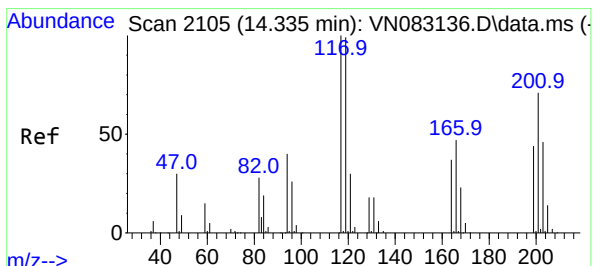
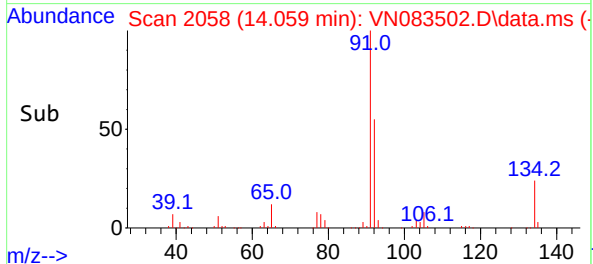
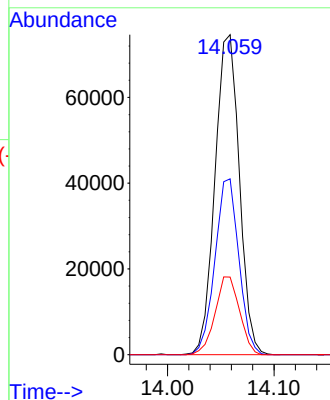
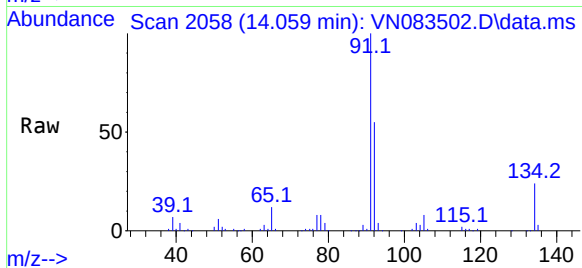
VN0827WBS02

Tgt Ion:	91	Resp:	118428
Ion	Ratio	Lower	Upper
91	100		
92	53.9	26.1	78.3
134	24.5	12.1	36.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/31/2024
Supervised By :Mahesh Dadoda 08/31/2024



#90

Hexachloroethane

Concen: 19.864 ug/l

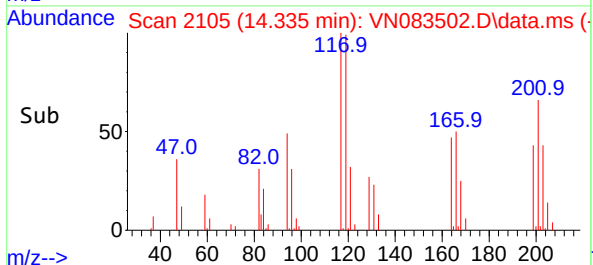
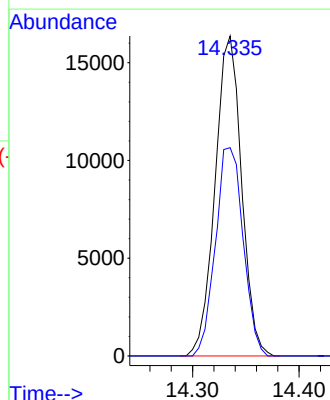
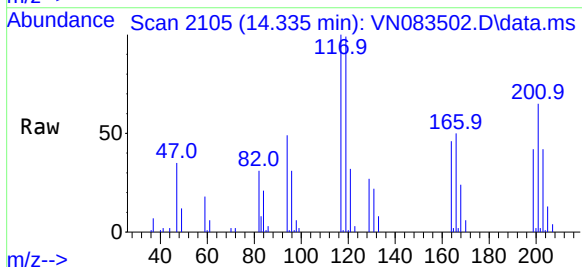
RT: 14.335 min Scan# 2105

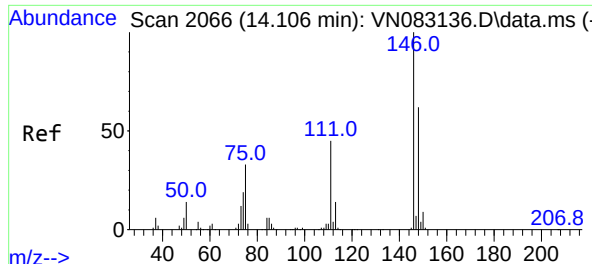
Delta R.T. 0.000 min

Lab File: VN083502.D

Acq: 27 Aug 2024 12:16

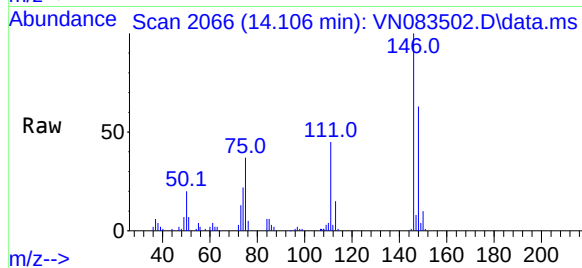
Tgt Ion:	117	Resp:	28242
Ion	Ratio	Lower	Upper
117	100		
201	68.0	35.8	107.3





#91
1,2-Dichlorobenzene
Concen: 20.931 ug/l
RT: 14.106 min Scan# 2066
Delta R.T. 0.000 min
Lab File: VN083502.D
Acq: 27 Aug 2024 12:16

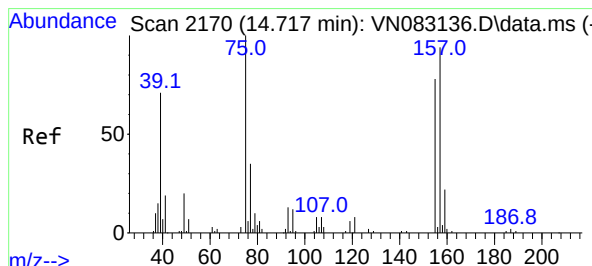
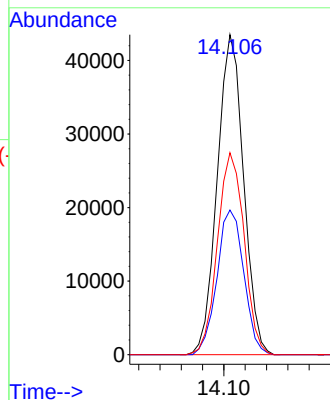
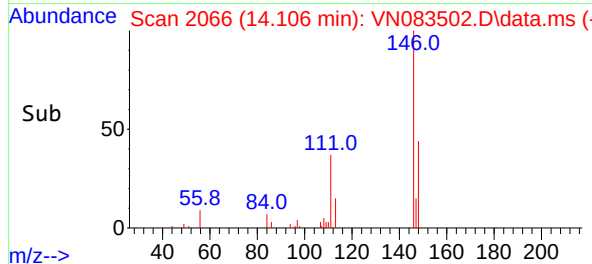
Instrument :
MSVOA_N
ClientSampleId :
VN0827WBS02



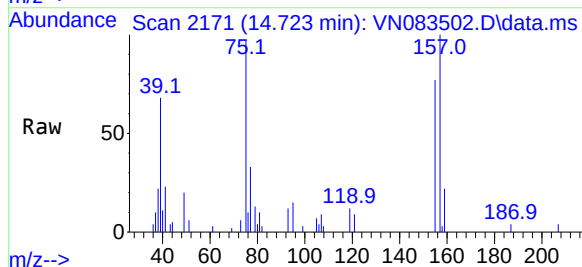
Tgt Ion:146 Resp: 7459
Ion Ratio Lower Upper
146 100
111 46.1 21.4 64.2
148 63.9 32.1 96.5

Manual Integrations
APPROVED

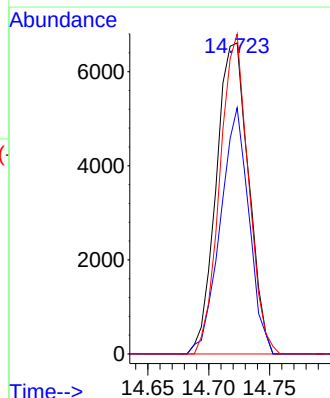
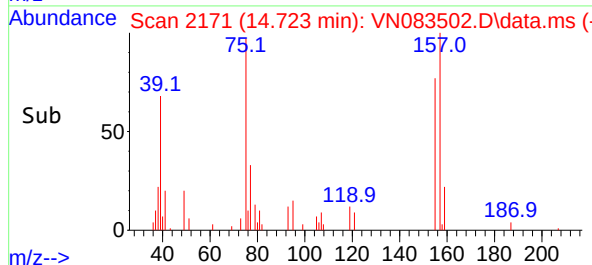
Reviewed By :Semsettin Yesilyurt 08/31/2024
Supervised By :Mahesh Dadoda 08/31/2024

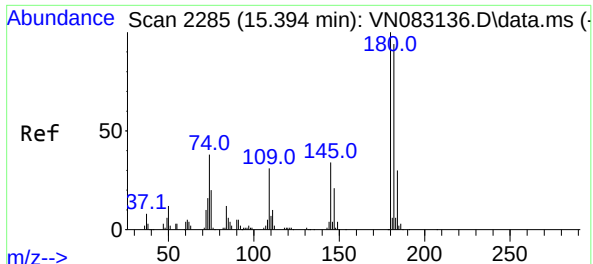


#92
1,2-Dibromo-3-Chloropropane
Concen: 20.200 ug/l
RT: 14.723 min Scan# 2171
Delta R.T. 0.006 min
Lab File: VN083502.D
Acq: 27 Aug 2024 12:16



Tgt Ion: 75 Resp: 12214
Ion Ratio Lower Upper
75 100
155 70.0 36.6 109.8
157 91.0 46.9 140.6





#93

1,2,4-Trichlorobenzene

Concen: 18.433 ug/l

RT: 15.394 min Scan# 2285

Delta R.T. 0.000 min

Lab File: VN083502.D

Acq: 27 Aug 2024 12:16

Instrument :

MSVOA_N

ClientSampleId :

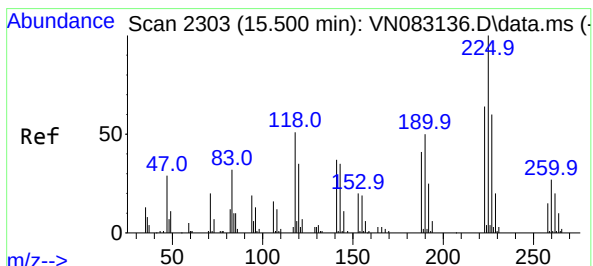
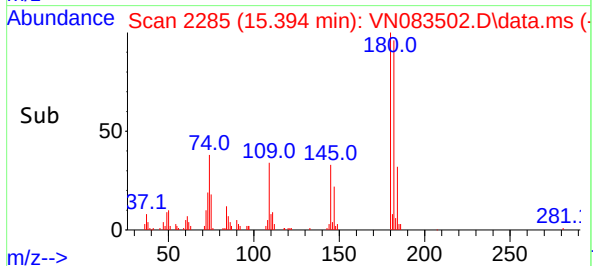
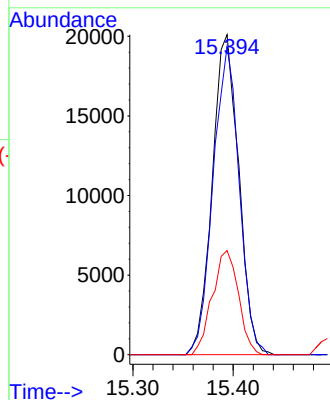
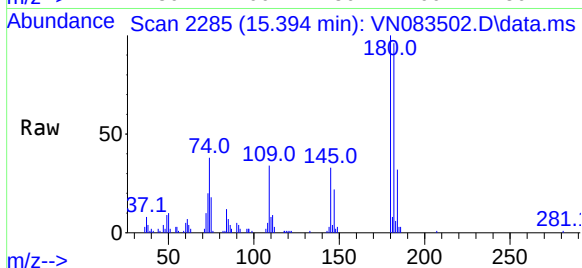
VN0827WBS02

Tgt Ion:180	Resp:	36800
Ion Ratio	Lower	Upper
180	100	
182	94.9	47.3 141.8
145	32.2	15.7 47.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/31/2024
Supervised By :Mahesh Dadoda 08/31/2024



#94

Hexachlorobutadiene

Concen: 18.195 ug/l

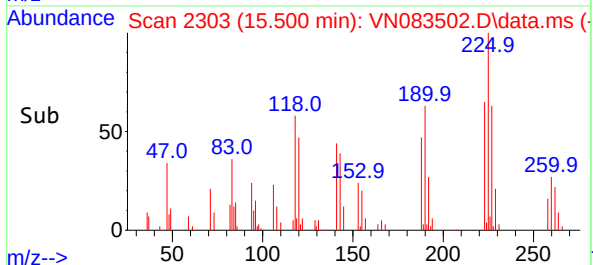
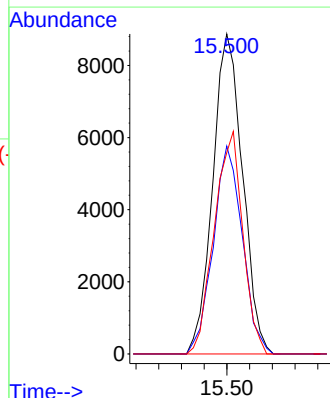
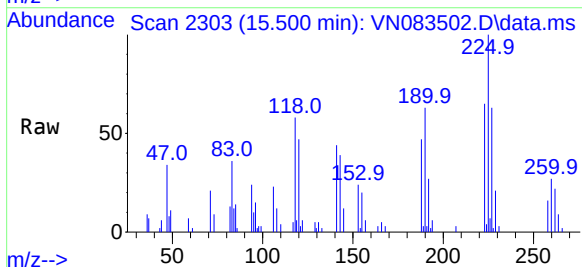
RT: 15.500 min Scan# 2303

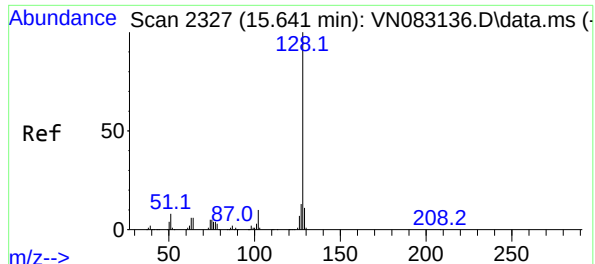
Delta R.T. 0.000 min

Lab File: VN083502.D

Acq: 27 Aug 2024 12:16

Tgt Ion:225	Resp:	16155
Ion Ratio	Lower	Upper
225	100	
223	63.7	31.9 95.7
227	66.5	32.5 97.5





#95

Naphthalene

Concen: 17.294 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. 0.000 min

Lab File: VN083502.D

Acq: 27 Aug 2024 12:16

Instrument :

MSVOA_N

ClientSampleId :

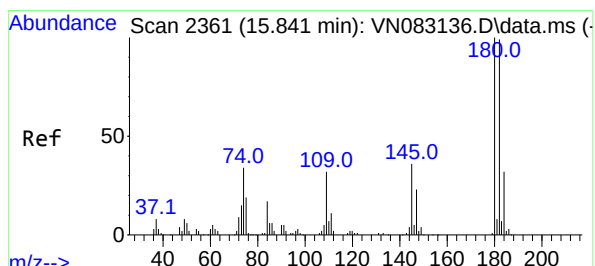
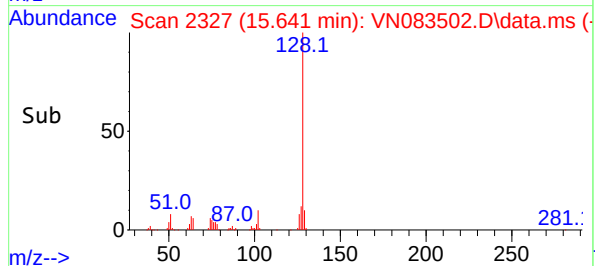
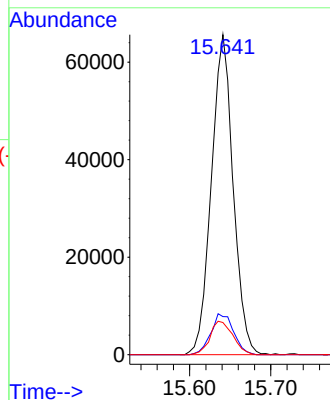
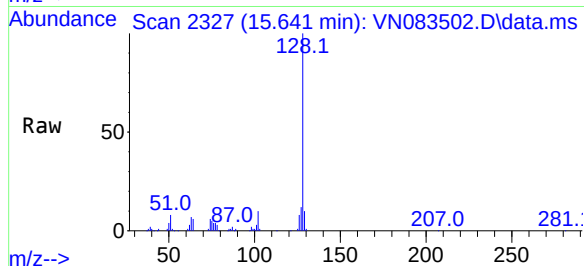
VN0827WBS02

Tgt Ion:128	Resp:	122298
Ion Ratio	Lower	Upper
128	100	
127	13.4	10.6 16.0
129	11.0	8.6 12.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/31/2024
Supervised By :Mahesh Dadoda 08/31/2024



#96

1,2,3-Trichlorobenzene

Concen: 18.480 ug/l

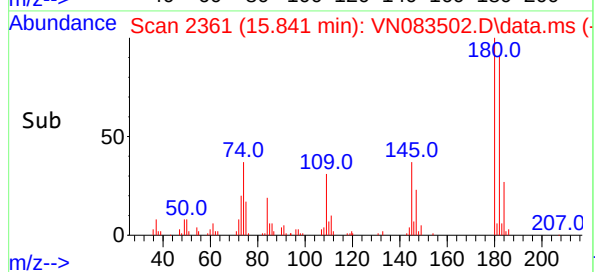
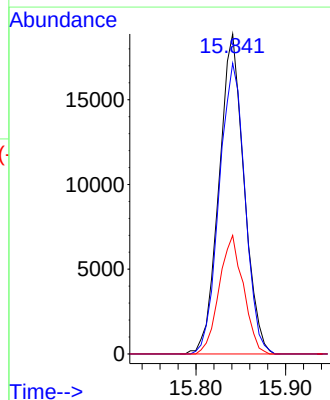
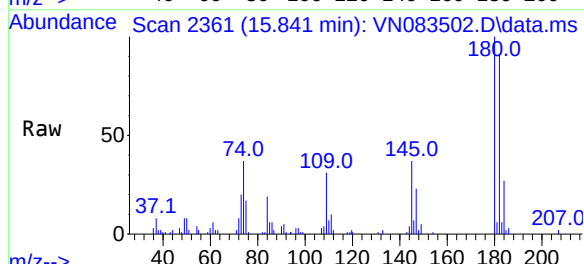
RT: 15.841 min Scan# 2361

Delta R.T. 0.000 min

Lab File: VN083502.D

Acq: 27 Aug 2024 12:16

Tgt Ion:180	Resp:	36507
Ion Ratio	Lower	Upper
180	100	
182	93.1	48.9 146.8
145	35.9	16.8 50.4



Report of Analysis

Client:	Day Environmental, Inc.		Date Collected:	08/20/24	
Project:	NYSDEC Andrews St Site #E828144		Date Received:	08/22/24	
Client Sample ID:	1049-MW-02(23.8)MS		SDG No.:	P3716	
Lab Sample ID:	P3716-03MS		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
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	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN083468.D	1		08/23/24 18:21	VN082324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	47.9		0.21	1.00	ug/L
74-87-3	Chloromethane	49.1		0.35	1.00	ug/L
75-01-4	Vinyl Chloride	52.9		0.34	1.00	ug/L
74-83-9	Bromomethane	40.5		1.40	5.00	ug/L
75-00-3	Chloroethane	55.3		0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	51.4		0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	50.7		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	46.9		0.26	1.00	ug/L
67-64-1	Acetone	220		1.40	5.00	ug/L
75-15-0	Carbon Disulfide	39.2		0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	49.1		0.16	1.00	ug/L
79-20-9	Methyl Acetate	50.7		0.60	1.00	ug/L
75-09-2	Methylene Chloride	46.2		0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	47.1		0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	52.0		0.23	1.00	ug/L
110-82-7	Cyclohexane	44.0		1.60	5.00	ug/L
78-93-3	2-Butanone	240		1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	48.3		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	78.4		0.25	1.00	ug/L
74-97-5	Bromochloromethane	58.4		0.18	1.00	ug/L
67-66-3	Chloroform	52.2		0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	50.7		0.19	1.00	ug/L
108-87-2	Methylcyclohexane	43.5		0.19	1.00	ug/L
71-43-2	Benzene	49.0		0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	51.3		0.24	1.00	ug/L
79-01-6	Trichloroethene	77.8		0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	51.4		0.19	1.00	ug/L
75-27-4	Bromodichloromethane	48.3		0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	240		0.75	5.00	ug/L
108-88-3	Toluene	48.0		0.18	1.00	ug/L

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	08/20/24
Project:	NYSDEC Andrews St Site #E828144	Date Received:	08/22/24
Client Sample ID:	1049-MW-02(23.8)MS	SDG No.:	P3716
Lab Sample ID:	P3716-03MS	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
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
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN083468.D	1		08/23/24 18:21	VN082324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	46.8		0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	45.5		0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	50.8		0.21	1.00	ug/L
591-78-6	2-Hexanone	240		1.10	5.00	ug/L
124-48-1	Dibromochloromethane	49.6		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	49.7		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	100	E	0.25	1.00	ug/L
108-90-7	Chlorobenzene	45.1		0.13	1.00	ug/L
100-41-4	Ethyl Benzene	45.5		0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	92.3		0.31	2.00	ug/L
95-47-6	o-Xylene	44.5		0.14	1.00	ug/L
100-42-5	Styrene	45.0		0.16	1.00	ug/L
75-25-2	Bromoform	44.9		0.21	1.00	ug/L
98-82-8	Isopropylbenzene	39.7		0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	43.4		0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	40.8		0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	40.5		0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	42.8		0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	40.1		0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	36.6		0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	37.6		0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	60.3		74 - 125	121%	SPK: 50
1868-53-7	Dibromofluoromethane	56.9		75 - 124	114%	SPK: 50
2037-26-5	Toluene-d8	54.9		86 - 113	110%	SPK: 50
460-00-4	4-Bromofluorobenzene	58.3		77 - 121	117%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	150000	8.224			
540-36-3	1,4-Difluorobenzene	266000	9.1			
3114-55-4	Chlorobenzene-d5	242000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	129000	13.794			

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	08/20/24
Project:	NYSDEC Andrews St Site #E828144	Date Received:	08/22/24
Client Sample ID:	1049-MW-02(23.8)MS	SDG No.:	P3716
Lab Sample ID:	P3716-03MS	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
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
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN083468.D	1		08/23/24 18:21	VN082324

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\VN082324\
 Data File : VN083468.D
 Acq On : 23 Aug 2024 18:21
 Operator : JC\MD
 Sample : P3716-03MS
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 1049-MW-02(23.8)MS

Quant Time: Aug 24 00:06:22 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 08 06:30:41 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 08/26/2024
 Supervised By :Semsettin Yesilyurt 08/26/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	150043	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	266487	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	242218	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	128915	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	128781	60.299	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 120.600%			
35) Dibromofluoromethane	8.165	113	94570	56.855	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 113.700%			
50) Toluene-d8	10.565	98	340897	54.942	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 109.880%			
62) 4-Bromofluorobenzene	12.847	95	141110	58.335	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 116.680%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	81448	47.868	ug/l	97
3) Chloromethane	2.359	50	85465	49.061	ug/l	95
4) Vinyl Chloride	2.512	62	94082	52.929	ug/l	98
5) Bromomethane	2.900	94	44634	40.468	ug/l	97
6) Chloroethane	3.059	64	61504	55.306	ug/l	96
7) Trichlorofluoromethane	3.465	101	150914	51.394	ug/l	96
8) Diethyl Ether	3.953	74	51931	47.527	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.347	101	82038	50.674	ug/l	98
10) Methyl Iodide	4.571	142	103915	48.795	ug/l	94
11) Tert butyl alcohol	5.536	59	87466	197.068	ug/l	98
12) 1,1-Dichloroethene	4.324	96	78053	46.928	ug/l	94
13) Acrolein	4.177	56	33465	115.689	ug/l	100
14) Allyl chloride	5.012	41	140692	44.762	ug/l	90
15) Acrylonitrile	5.724	53	226663	248.313	ug/l	99
16) Acetone	4.430	43	187007	223.775	ug/l	94
17) Carbon Disulfide	4.694	76	190725	39.190	ug/l	99
18) Methyl Acetate	5.024	43	126191	50.682	ug/l	93
19) Methyl tert-butyl Ether	5.794	73	294946	49.129	ug/l	97
20) Methylene Chloride	5.271	84	88949	46.248	ug/l	87
21) trans-1,2-Dichloroethene	5.777	96	81041	47.143	ug/l	97
22) Diisopropyl ether	6.671	45	304602	51.556	ug/l	96
23) Vinyl Acetate	6.600	43	1441024	237.956	ug/l	96
24) 1,1-Dichloroethane	6.565	63	167493	52.010	ug/l	98
25) 2-Butanone	7.482	43	303225	236.308	ug/l	93
26) 2,2-Dichloropropane	7.488	77	121639	40.672	ug/l	94
27) cis-1,2-Dichloroethene	7.482	96	162675	78.421	ug/l	90
28) Bromochloromethane	7.812	49	76796	58.352	ug/l	90
29) Tetrahydrofuran	7.841	42	202008	243.533	ug/l	90
30) Chloroform	7.965	83	174809	52.249	ug/l	99
31) Cyclohexane	8.253	56	139218	43.987	ug/l	95
32) 1,1,1-Trichloroethane	8.165	97	160455	50.666	ug/l	98
36) 1,1-Dichloropropene	8.371	75	116459	46.284	ug/l	100
37) Ethyl Acetate	7.559	43	119938	42.572	ug/l #	94
38) Carbon Tetrachloride	8.359	117	136795	48.269	ug/l	97
39) Methylcyclohexane	9.600	83	134457	43.506	ug/l	96
40) Benzene	8.606	78	367651	49.047	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082324\
 Data File : VN083468.D
 Acq On : 23 Aug 2024 18:21
 Operator : JC\MD
 Sample : P3716-03MS
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 1049-MW-02(23.8)MS

Quant Time: Aug 24 00:06:22 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 08 06:30:41 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 08/26/2024
 Supervised By :Semsettin Yesilyurt 08/26/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	72563	45.299	ug/l	96
42) 1,2-Dichloroethane	8.671	62	140084	51.302	ug/l	99
43) Isopropyl Acetate	8.688	43	226026	46.000	ug/l	96
44) Trichloroethene	9.353	130	138741	77.762	ug/l	95
45) 1,2-Dichloropropane	9.623	63	91455	51.400	ug/l	96
46) Dibromomethane	9.712	93	63887	50.164	ug/l	99
47) Bromodichloromethane	9.888	83	138189	48.324	ug/l	99
48) Methyl methacrylate	9.682	41	107912	46.331	ug/l	94
49) 1,4-Dioxane	9.694	88	37245	886.344	ug/l #	80
51) 4-Methyl-2-Pentanone	10.447	43	651221	244.439	ug/l	94
52) Toluene	10.629	92	227503	48.036	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	137334	46.753	ug/l	100
54) cis-1,3-Dichloropropene	10.312	75	142061	45.469	ug/l	92
55) 1,1,2-Trichloroethane	11.018	97	86149	50.757	ug/l	96
56) Ethyl methacrylate	10.876	69	150700	47.098	ug/l	88
57) 1,3-Dichloropropane	11.165	76	151333	50.023	ug/l	98
59) 2-Hexanone	11.194	43	486192	235.892	ug/l	94
60) Dibromochloromethane	11.359	129	101878	49.646	ug/l	99
61) 1,2-Dibromoethane	11.470	107	88615	49.700	ug/l	99
64) Tetrachloroethene	11.106	164	166688	103.910	ug/l	96
65) Chlorobenzene	11.894	112	241266	45.074	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	87677	46.444	ug/l	99
67) Ethyl Benzene	11.965	91	446888	45.511	ug/l	100
68) m/p-Xylenes	12.070	106	339332	92.253	ug/l	98
69) o-Xylene	12.400	106	161578	44.539	ug/l	96
70) Styrene	12.412	104	274295	45.018	ug/l	98
71) Bromoform	12.576	173	64179	44.876	ug/l #	96
73) Isopropylbenzene	12.694	105	427755	39.670	ug/l	99
74) N-amyl acetate	12.494	43	188032	35.651	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.941	83	132386	43.409	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	117603m	41.565	ug/l	
77) Bromobenzene	12.982	156	97016	40.503	ug/l	95
78) n-propylbenzene	13.035	91	488753	39.364	ug/l	100
79) 2-Chlorotoluene	13.123	91	314144	39.908	ug/l	97
80) 1,3,5-Trimethylbenzene	13.170	105	357248	39.574	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	43284	33.277	ug/l	98
82) 4-Chlorotoluene	13.223	91	312623	39.593	ug/l	97
83) tert-Butylbenzene	13.441	119	315423	39.455	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	367048	40.345	ug/l	99
85) sec-Butylbenzene	13.617	105	426760	39.121	ug/l	99
86) p-Isopropyltoluene	13.729	119	354673	39.377	ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	184100	40.847	ug/l	97
88) 1,4-Dichlorobenzene	13.811	146	183970	40.488	ug/l	98
89) n-Butylbenzene	14.059	91	294650	37.754	ug/l	99
90) Hexachloroethane	14.335	117	68659	39.456	ug/l	93
91) 1,2-Dichlorobenzene	14.106	146	186756	42.819	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.717	75	29686	40.114	ug/l	95
93) 1,2,4-Trichlorobenzene	15.394	180	89431	36.600	ug/l	96
94) Hexachlorobutadiene	15.500	225	39286	36.152	ug/l	98
95) Naphthalene	15.641	128	321609	37.158	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	90827	37.567	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082324\
Data File : VN083468.D
Acq On : 23 Aug 2024 18:21
Operator : JC\MD
Sample : P3716-03MS
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 24 00:06:22 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 08 06:30:41 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
1049-MW-02(23.8)MS

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/26/2024
Supervised By :Semsettin Yesilyurt 08/26/2024

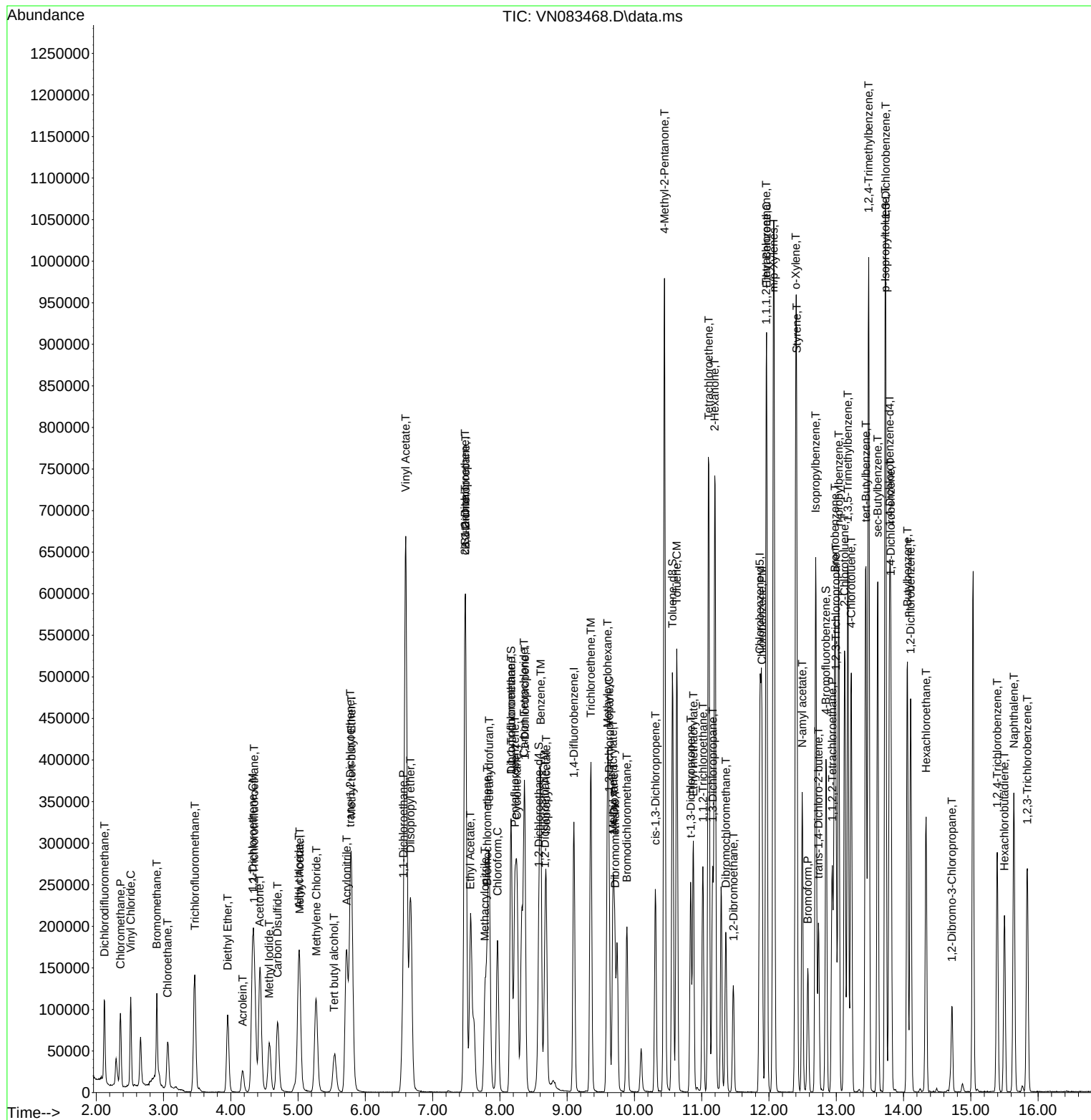
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

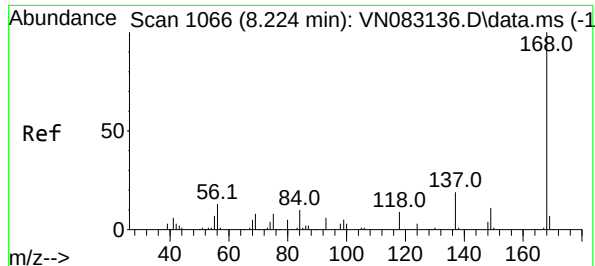
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

Instrument :
MSVOA_N
ClientSampleId :
1049-MW-02(23.8)MS

Manual Integrations APPROVED

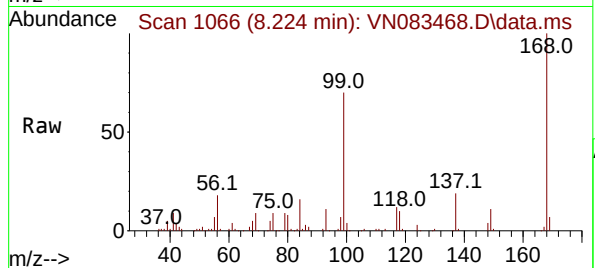
Reviewed By :John Carlone 08/26/2024
Supervised By :Semsettin Yesilyurt 08/26/2024





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083468.D
Acq: 23 Aug 2024 18:21

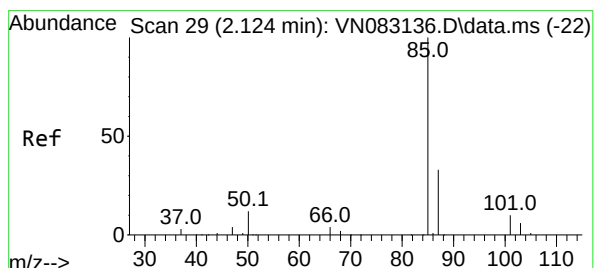
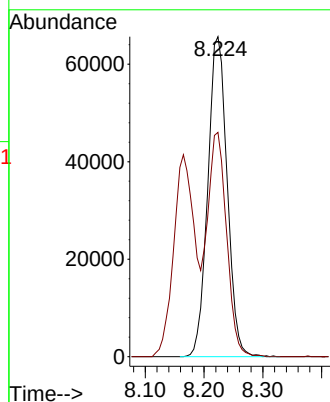
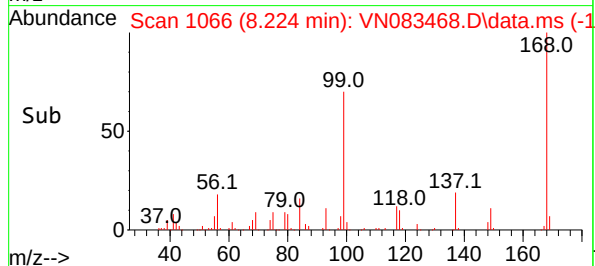
Instrument :
MSVOA_N
ClientSampleId :
1049-MW-02(23.8)MS



Tgt Ion:168 Resp: 15004
Ion Ratio Lower Upper
168 100
99 70.1 48.2 72.4

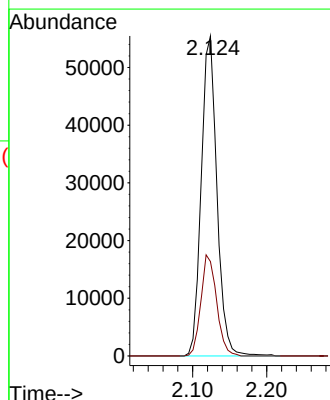
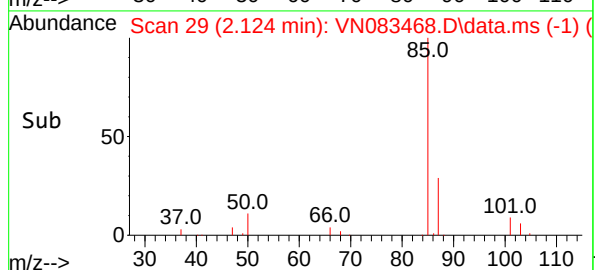
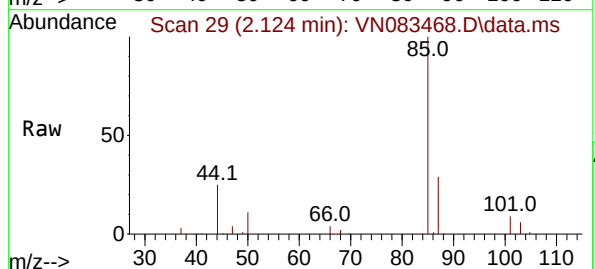
Manual Integrations
APPROVED

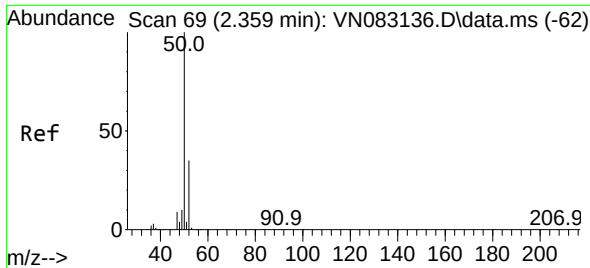
Reviewed By :John Carlone 08/26/2024
Supervised By :Semsettin Yesilyurt 08/26/2024



#2
Dichlorodifluoromethane
Concen: 47.868 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN083468.D
Acq: 23 Aug 2024 18:21

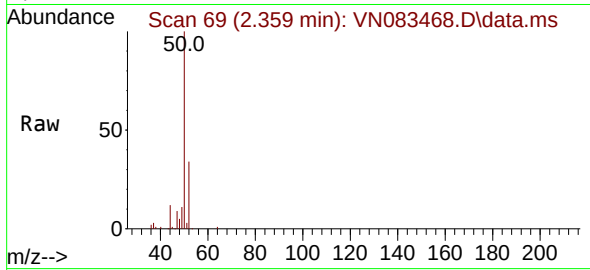
Tgt Ion: 85 Resp: 81448
Ion Ratio Lower Upper
85 100
87 29.5 15.7 47.0





#3
Chloromethane
Concen: 49.061 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN083468.D
Acq: 23 Aug 2024 18:21

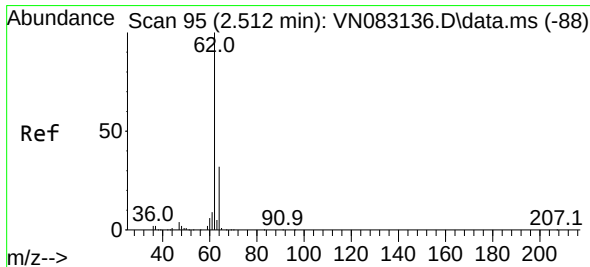
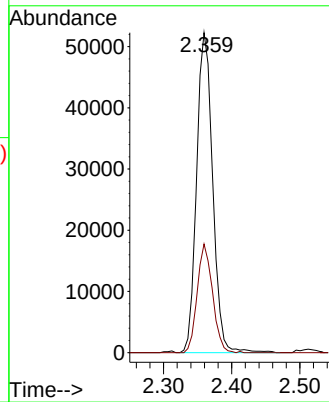
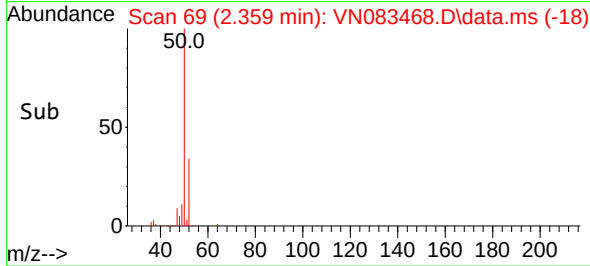
Instrument :
MSVOA_N
ClientSampleId :
1049-MW-02(23.8)MS



Tgt Ion: 50 Resp: 8546
Ion Ratio Lower Upper
50 100
52 34.0 25.0 37.4

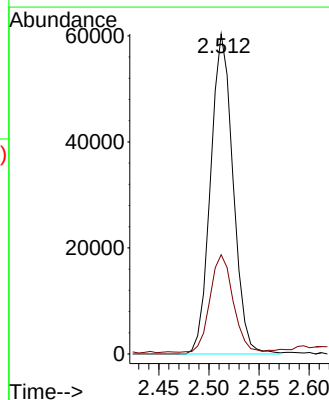
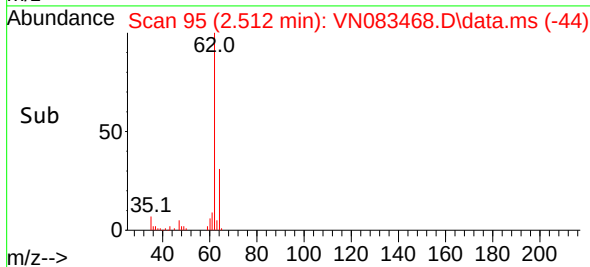
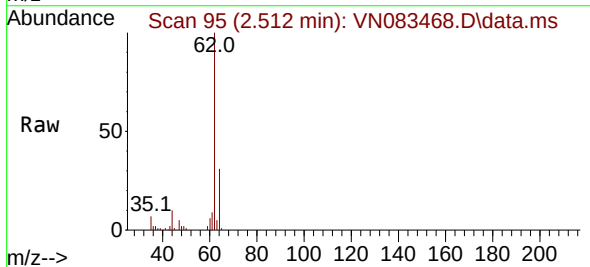
Manual Integrations
APPROVED

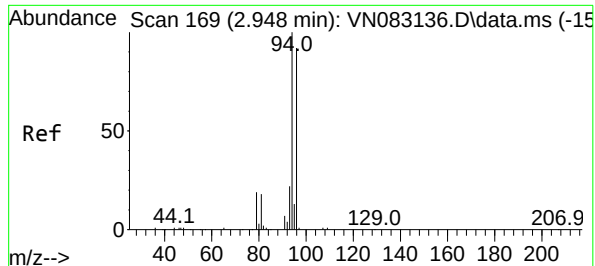
Reviewed By :John Carlone 08/26/2024
Supervised By :Semsettin Yesilyurt 08/26/2024



#4
Vinyl Chloride
Concen: 52.929 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN083468.D
Acq: 23 Aug 2024 18:21

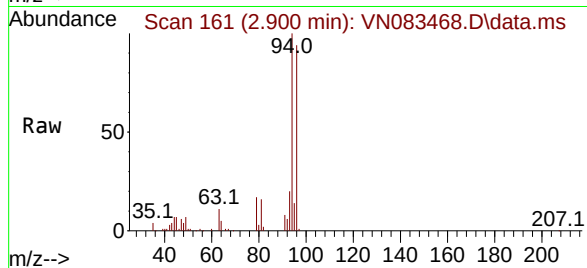
Tgt Ion: 62 Resp: 94082
Ion Ratio Lower Upper
62 100
64 30.5 25.0 37.6





#5
Bromomethane
Concen: 40.468 ug/l
RT: 2.900 min Scan# 110
Delta R.T. -0.047 min
Lab File: VN083468.D
Acq: 23 Aug 2024 18:21

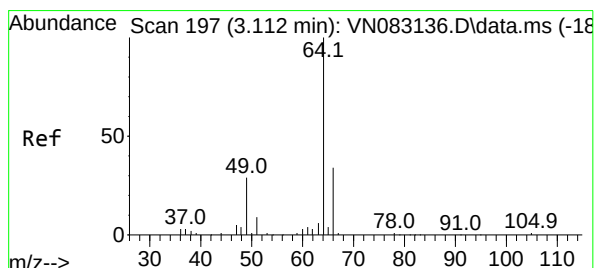
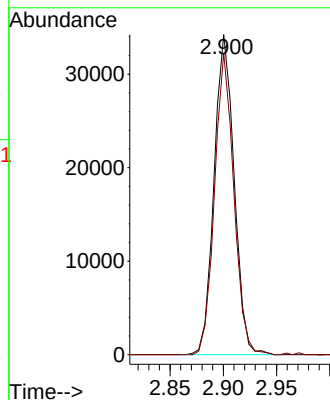
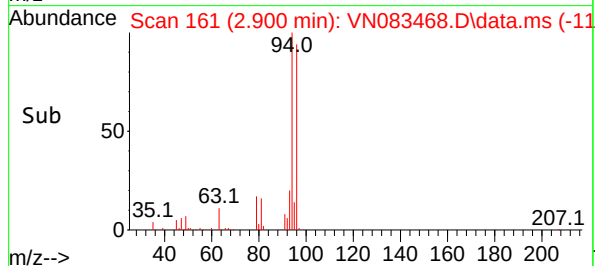
Instrument :
MSVOA_N
ClientSampleId :
1049-MW-02(23.8)MS



Tgt Ion: 94 Resp: 44634
Ion Ratio Lower Upper
94 100
96 94.2 78.0 117.0

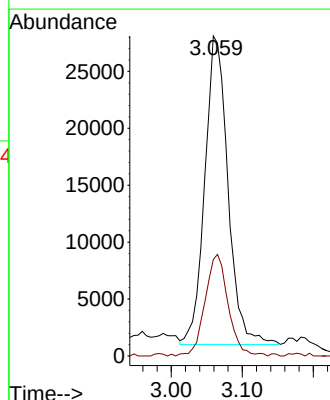
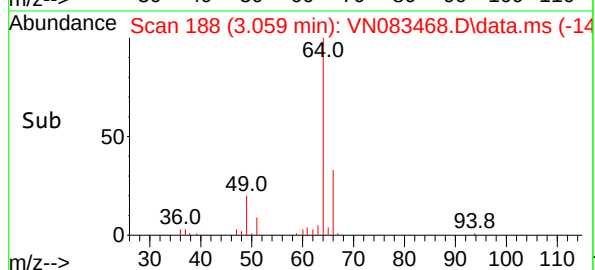
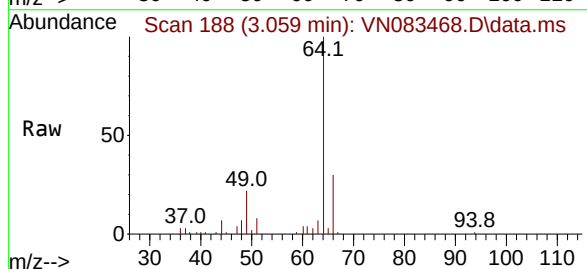
Manual Integrations
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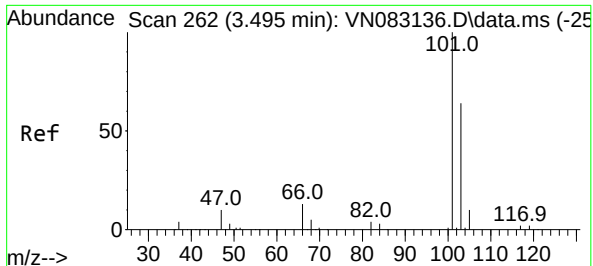
Reviewed By :John Carlone 08/26/2024
Supervised By :Semsettin Yesilyurt 08/26/2024



#6
Chloroethane
Concen: 55.306 ug/l
RT: 3.059 min Scan# 188
Delta R.T. -0.053 min
Lab File: VN083468.D
Acq: 23 Aug 2024 18:21

Tgt Ion: 64 Resp: 61504
Ion Ratio Lower Upper
64 100
66 31.3 26.6 40.0





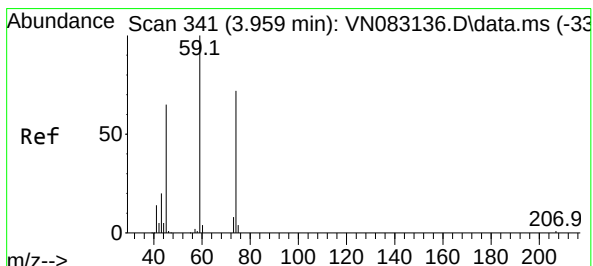
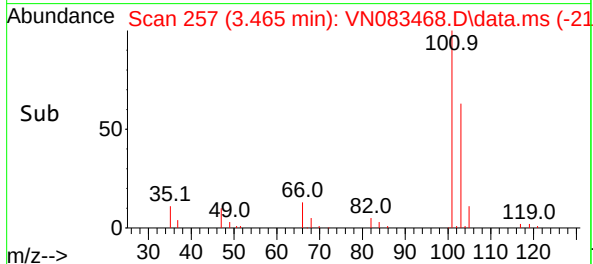
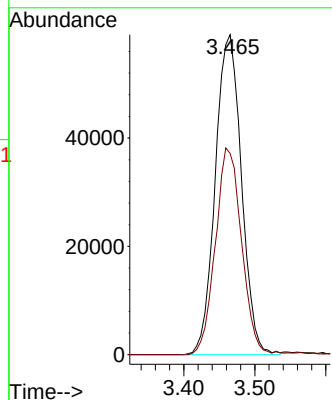
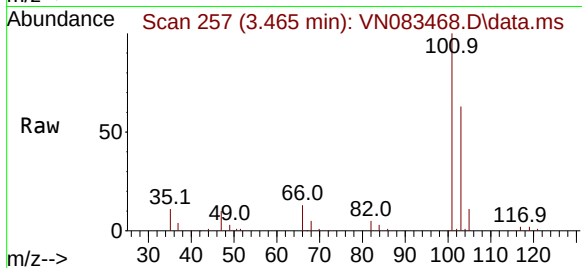
#7
Trichlorofluoromethane
Concen: 51.394 ug/l
RT: 3.465 min Scan# 21
Delta R.T. -0.030 min
Lab File: VN083468.D
Acq: 23 Aug 2024 18:21

Instrument :
MSVOA_N
ClientSampleId :
1049-MW-02(23.8)MS

Tgt Ion:101 Resp: 150914
Ion Ratio Lower Upper
101 100
103 62.9 52.7 79.1

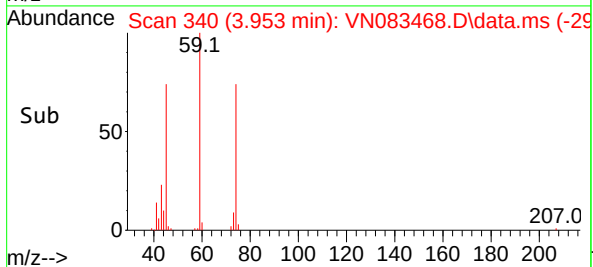
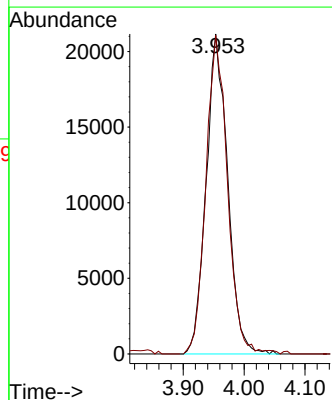
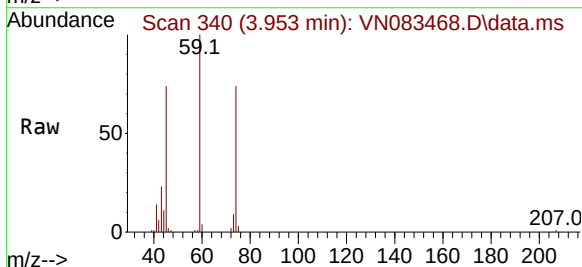
Manual Integrations
APPROVED

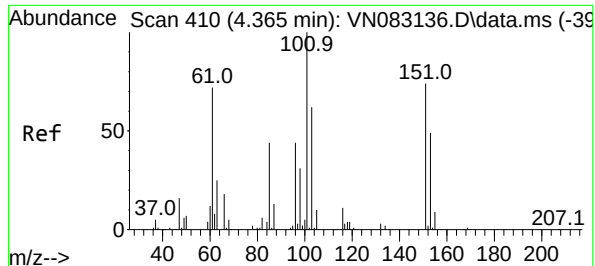
Reviewed By :John Carlone 08/26/2024
Supervised By :Semsettin Yesilyurt 08/26/2024



#8
Diethyl Ether
Concen: 47.527 ug/l
RT: 3.953 min Scan# 340
Delta R.T. -0.006 min
Lab File: VN083468.D
Acq: 23 Aug 2024 18:21

Tgt Ion: 74 Resp: 51931
Ion Ratio Lower Upper
74 100
45 100.0 55.5 166.3





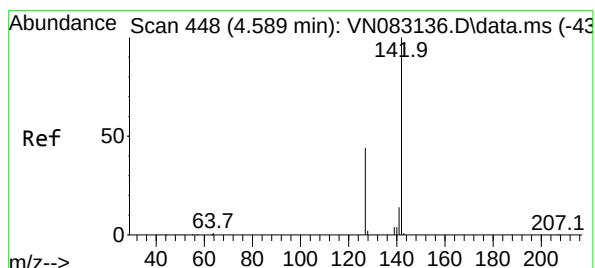
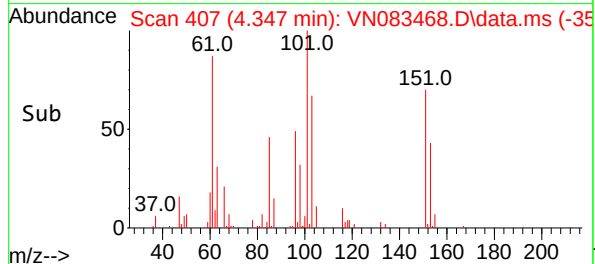
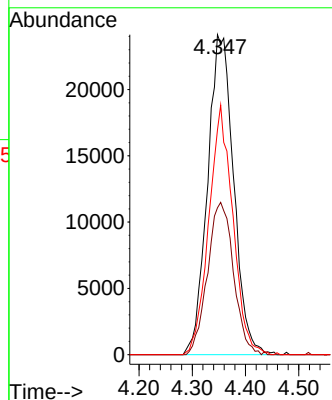
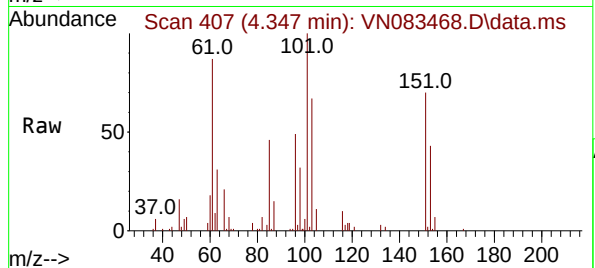
#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.674 ug/l
RT: 4.347 min Scan# 407
Delta R.T. -0.018 min
Lab File: VN083468.D
Acq: 23 Aug 2024 18:21

Instrument :
MSVOA_N
ClientSampleId :
1049-MW-02(23.8)MS

Tgt Ion:101 Resp: 82038
Ion Ratio Lower Upper
101 100
85 47.5 38.3 57.5
151 71.8 59.3 88.9

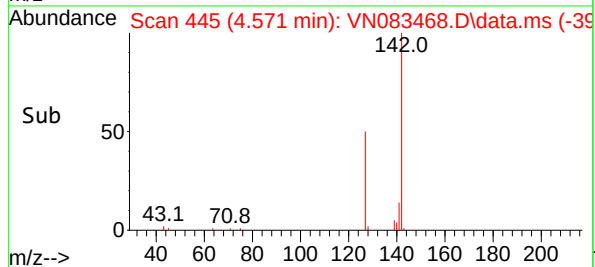
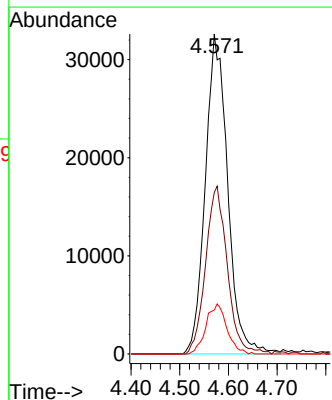
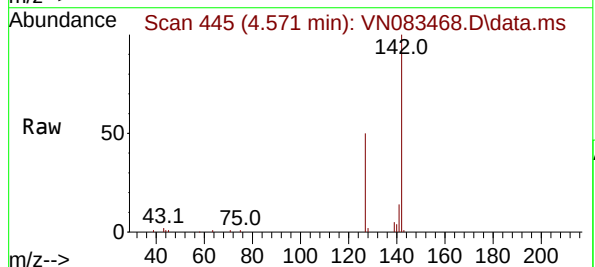
Manual Integrations
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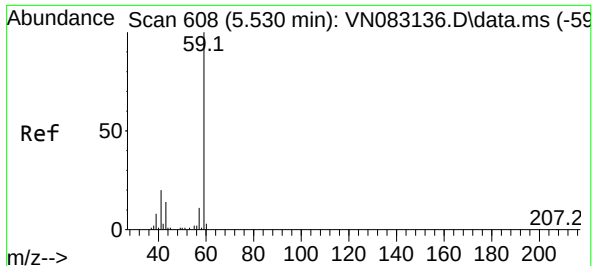
Reviewed By :John Carlone 08/26/2024
Supervised By :Semsettin Yesilyurt 08/26/2024



#10
Methyl Iodide
Concen: 48.795 ug/l
RT: 4.571 min Scan# 445
Delta R.T. -0.018 min
Lab File: VN083468.D
Acq: 23 Aug 2024 18:21

Tgt Ion:142 Resp: 103915
Ion Ratio Lower Upper
142 100
127 50.4 37.5 56.3
141 13.7 13.1 19.7





#11

Tert butyl alcohol

Concen: 197.068 ug/l

RT: 5.536 min Scan# 608

Delta R.T. 0.006 min

Lab File: VN083468.D

Acq: 23 Aug 2024 18:21

Instrument :

MSVOA_N

ClientSampleId :

1049-MW-02(23.8)MS

Tgt Ion: 59 Resp: 8746

Ion Ratio Lower Upper

59 100

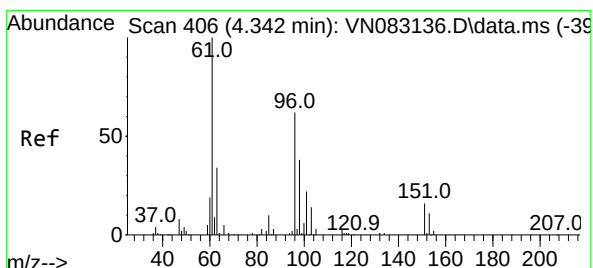
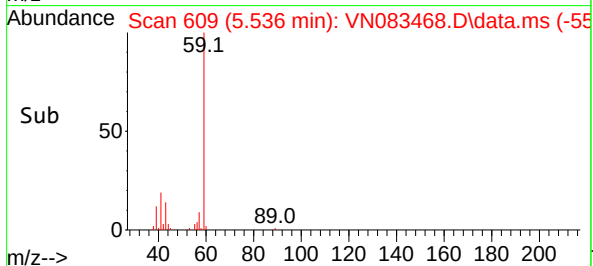
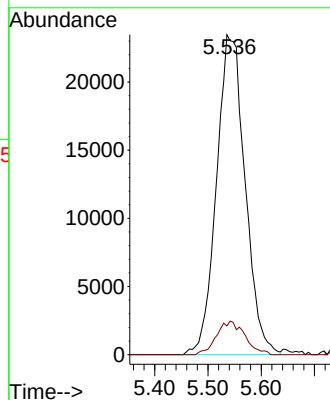
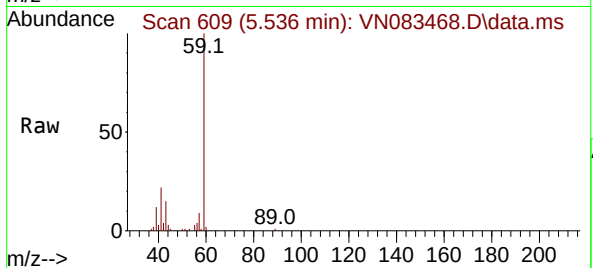
57 10.4 8.9 13.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/26/2024

Supervised By :Semsettin Yesilyurt 08/26/2024



#12

1,1-Dichloroethene

Concen: 46.928 ug/l

RT: 4.324 min Scan# 403

Delta R.T. -0.018 min

Lab File: VN083468.D

Acq: 23 Aug 2024 18:21

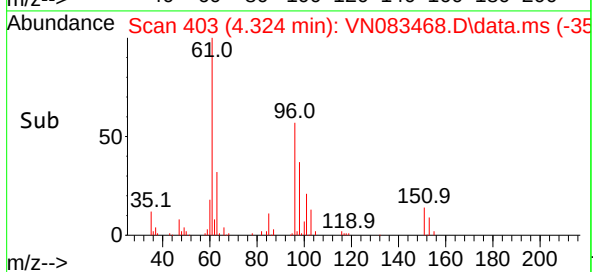
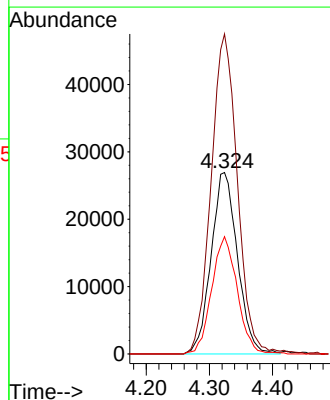
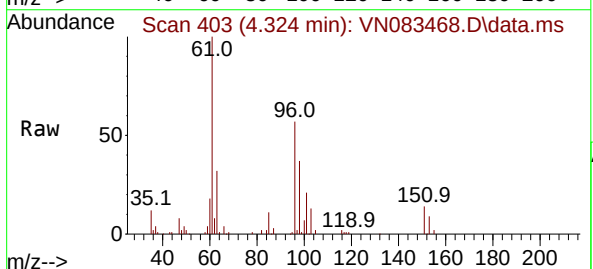
Tgt Ion: 96 Resp: 78053

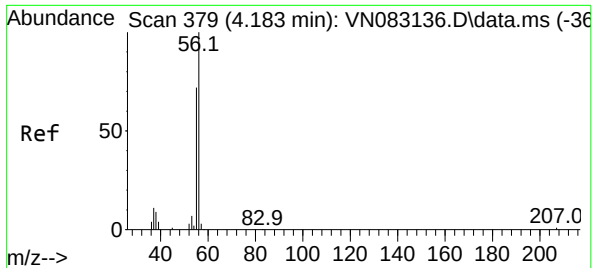
Ion Ratio Lower Upper

96 100

61 176.3 149.7 224.5

98 64.7 50.1 75.1





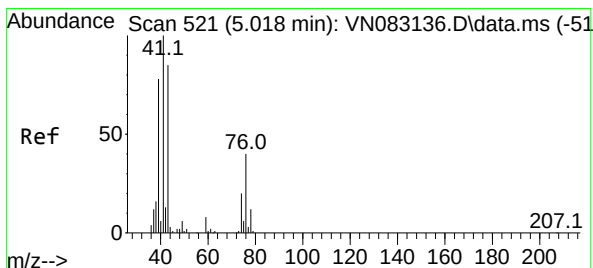
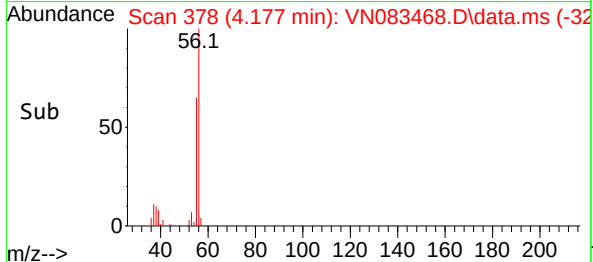
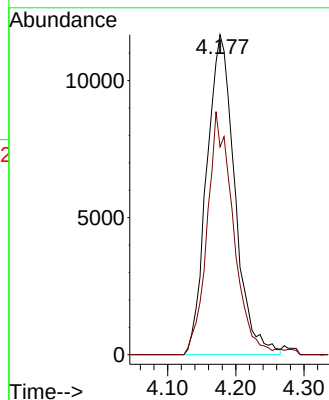
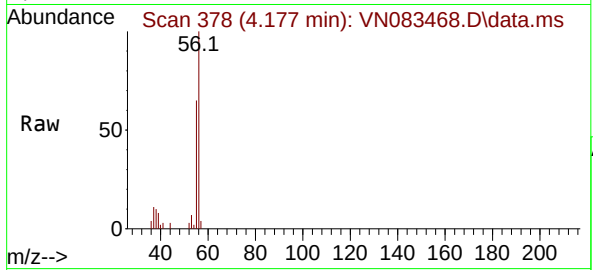
#13
Acrolein
Concen: 115.689 ug/l
RT: 4.177 min Scan# 31
Delta R.T. -0.006 min
Lab File: VN083468.D
Acq: 23 Aug 2024 18:21

Instrument :
MSVOA_N
ClientSampleId :
1049-MW-02(23.8)MS

Tgt Ion: 56 Resp: 3346
Ion Ratio Lower Upper
56 100
55 70.5 56.4 84.6

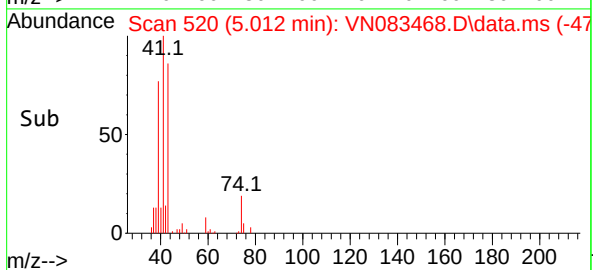
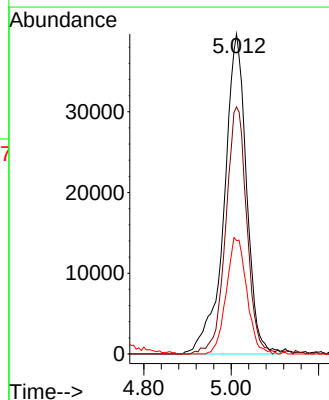
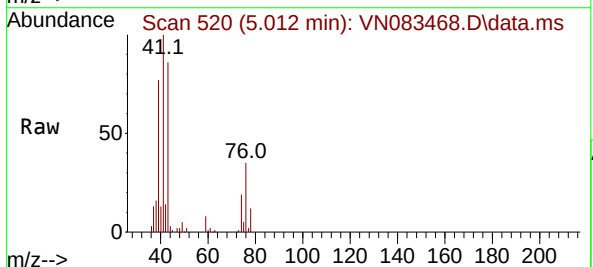
Manual Integrations
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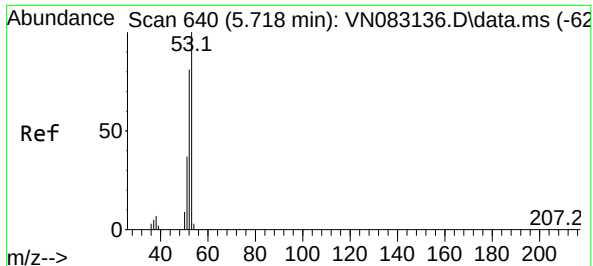
Reviewed By :John Carlone 08/26/2024
Supervised By :Semsettin Yesilyurt 08/26/2024



#14
Allyl chloride
Concen: 44.762 ug/l
RT: 5.012 min Scan# 520
Delta R.T. -0.006 min
Lab File: VN083468.D
Acq: 23 Aug 2024 18:21

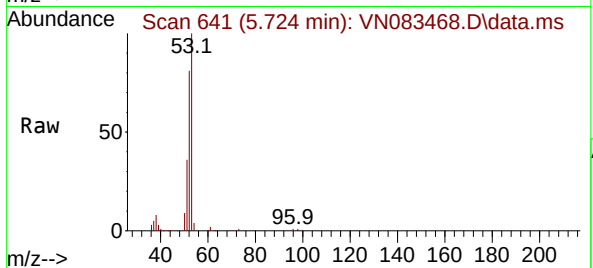
Tgt Ion: 41 Resp: 140692
Ion Ratio Lower Upper
41 100
39 72.6 67.8 101.6
76 33.3 25.8 38.8





#15
Acrylonitrile
Concen: 248.313 ug/l
RT: 5.724 min Scan# 641
Delta R.T. 0.006 min
Lab File: VN083468.D
Acq: 23 Aug 2024 18:21

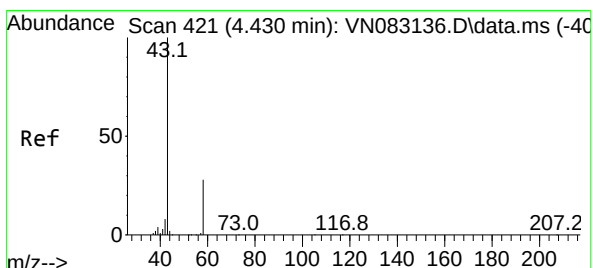
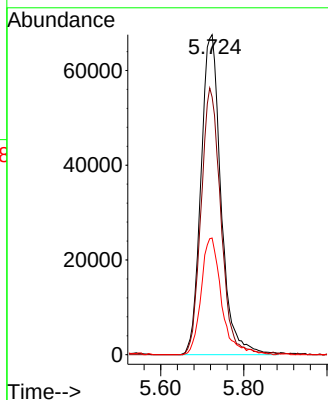
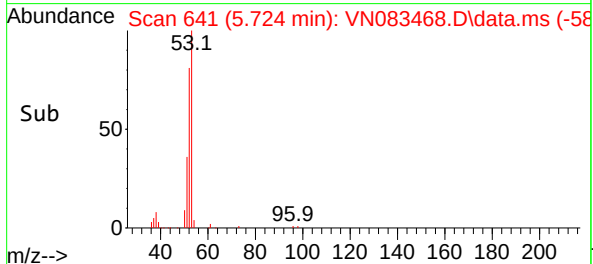
Instrument :
MSVOA_N
ClientSampleId :
1049-MW-02(23.8)MS



Tgt Ion: 53 Resp: 226663
Ion Ratio Lower Upper
53 100
52 81.8 66.6 100.0
51 37.1 30.1 45.1

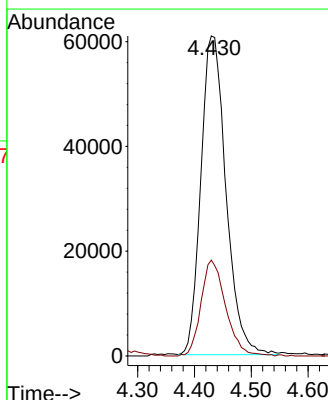
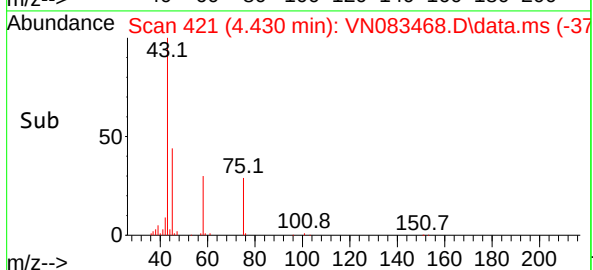
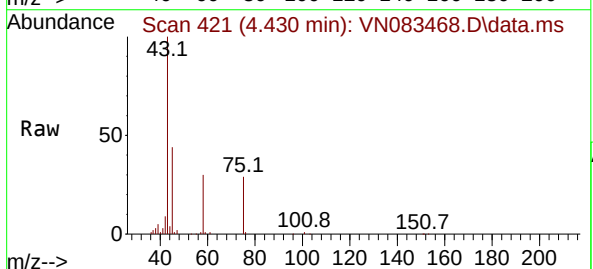
Manual Integrations
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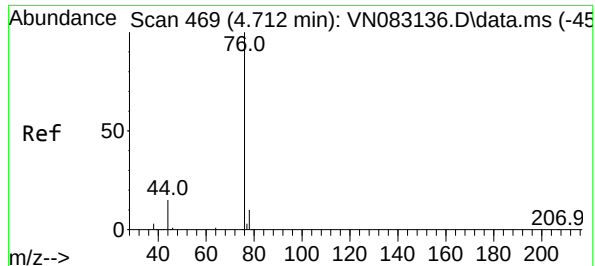
Reviewed By :John Carlone 08/26/2024
Supervised By :Semsettin Yesilyurt 08/26/2024



#16
Acetone
Concen: 223.775 ug/l
RT: 4.430 min Scan# 421
Delta R.T. -0.000 min
Lab File: VN083468.D
Acq: 23 Aug 2024 18:21

Tgt Ion: 43 Resp: 187007
Ion Ratio Lower Upper
43 100
58 30.1 21.8 32.6





#17

Carbon Disulfide

Concen: 39.190 ug/l

RT: 4.694 min Scan# 466

Delta R.T. -0.018 min

Lab File: VN083468.D

Acq: 23 Aug 2024 18:21

Instrument :

MSVOA_N

ClientSampleId :

1049-MW-02(23.8)MS

Tgt Ion: 76 Resp: 19072

Ion Ratio Lower Upper

76 100

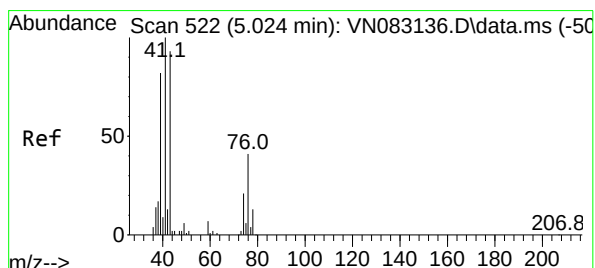
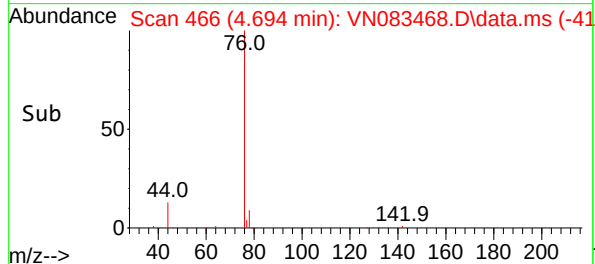
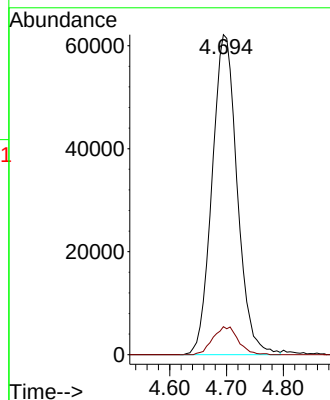
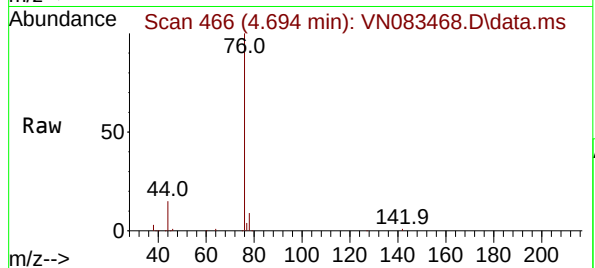
78 8.7 7.2 10.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/26/2024

Supervised By :Semsettin Yesilyurt 08/26/2024



#18

Methyl Acetate

Concen: 50.682 ug/l

RT: 5.024 min Scan# 522

Delta R.T. -0.000 min

Lab File: VN083468.D

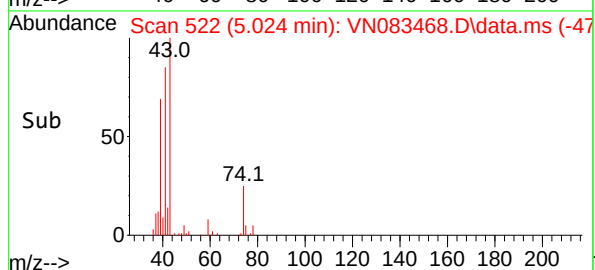
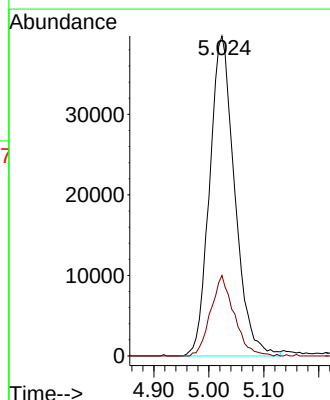
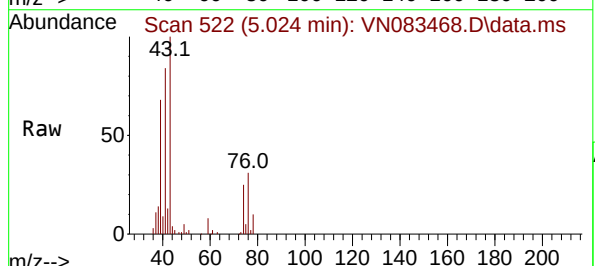
Acq: 23 Aug 2024 18:21

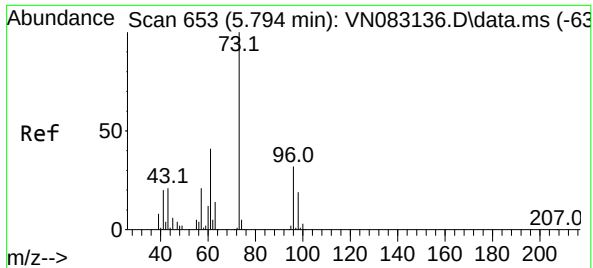
Tgt Ion: 43 Resp: 126191

Ion Ratio Lower Upper

43 100

74 23.5 16.3 24.5





#19

Methyl tert-butyl Ether

Concen: 49.129 ug/l

RT: 5.794 min Scan# 61

Delta R.T. -0.000 min

Lab File: VN083468.D

Acq: 23 Aug 2024 18:21

Instrument :

MSVOA_N

ClientSampleId :

1049-MW-02(23.8)MS

Tgt Ion: 73 Resp: 29494

Ion Ratio Lower Upper

73 100

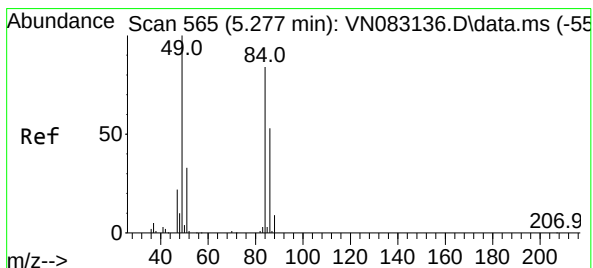
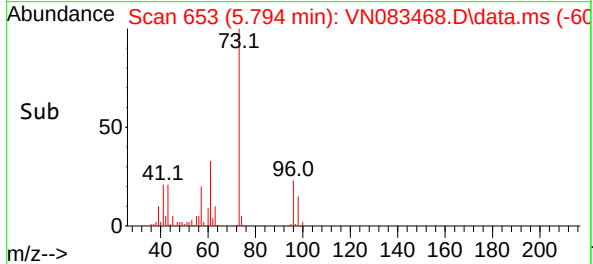
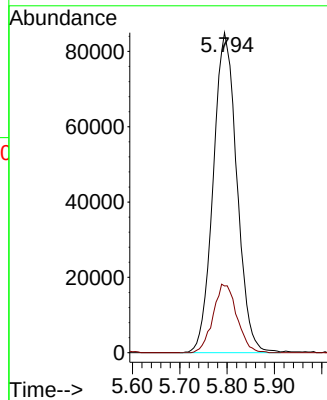
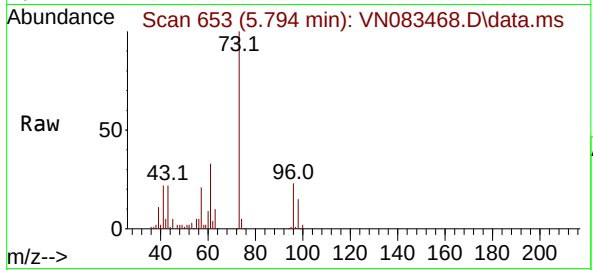
57 20.8 17.9 26.9

Manual Integrations

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Reviewed By :John Carlone 08/26/2024

Supervised By :Semsettin Yesilyurt 08/26/2024



#20

Methylene Chloride

Concen: 46.248 ug/l

RT: 5.271 min Scan# 564

Delta R.T. -0.006 min

Lab File: VN083468.D

Acq: 23 Aug 2024 18:21

Tgt Ion: 84 Resp: 88949

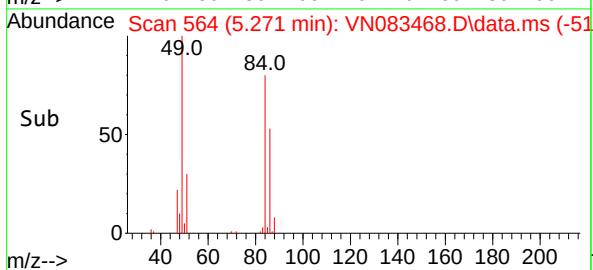
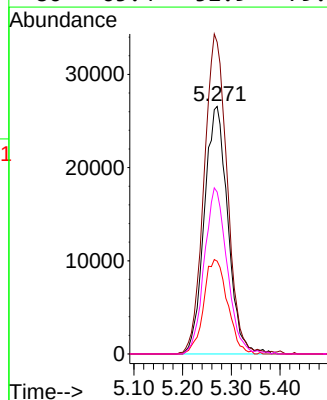
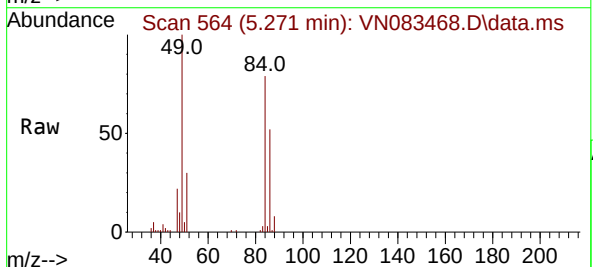
Ion Ratio Lower Upper

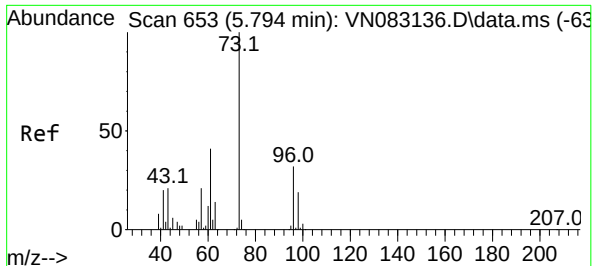
84 100

49 125.3 119.6 179.4

51 37.5 34.8 52.2

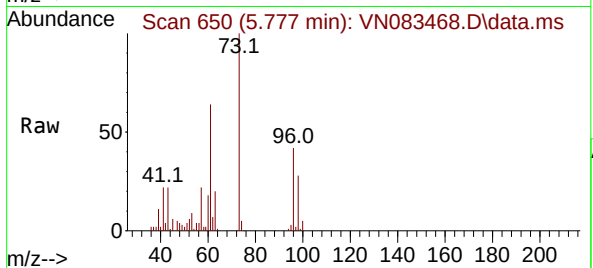
86 65.4 52.9 79.3





#21
trans-1,2-Dichloroethene
Concen: 47.143 ug/l
RT: 5.777 min Scan# 610
Delta R.T. -0.018 min
Lab File: VN083468.D
Acq: 23 Aug 2024 18:21

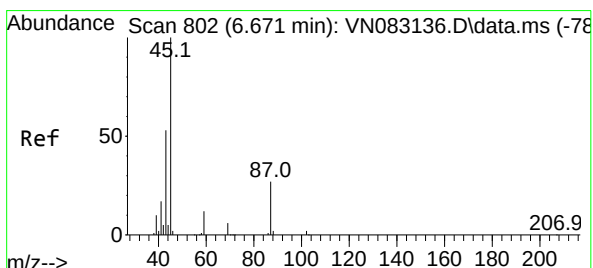
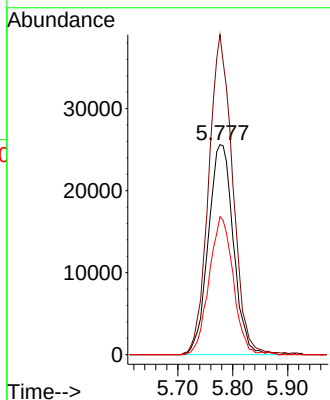
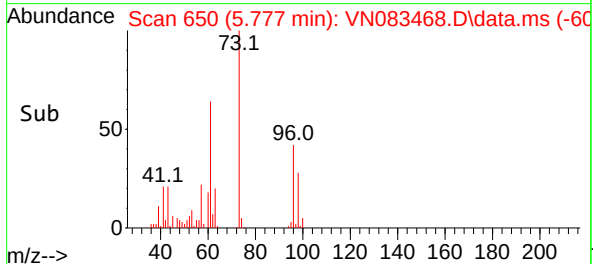
Instrument :
MSVOA_N
ClientSampleId :
1049-MW-02(23.8)MS



Tgt Ion: 96 Resp: 8104
Ion Ratio Lower Upper
96 100
61 152.4 123.4 185.2
98 65.8 49.3 73.9

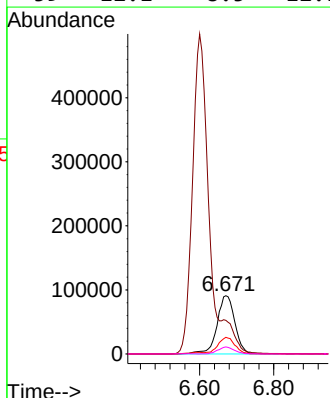
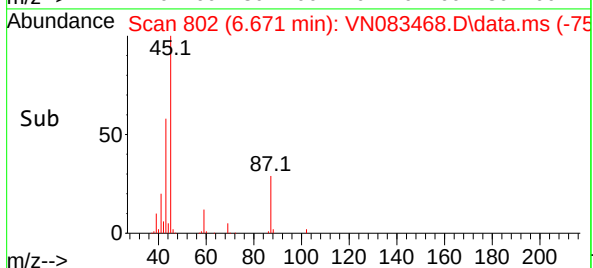
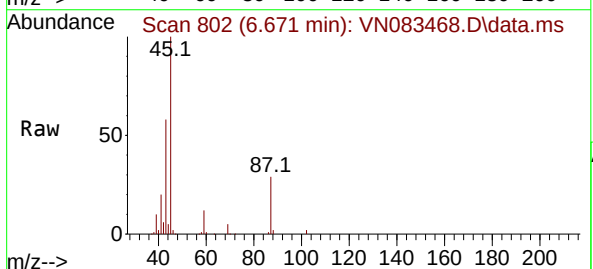
Manual Integrations
APPROVED

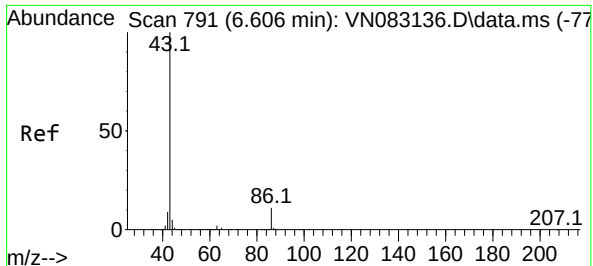
Reviewed By :John Carlone 08/26/2024
Supervised By :Semsettin Yesilyurt 08/26/2024



#22
Diisopropyl ether
Concen: 51.556 ug/l
RT: 6.671 min Scan# 802
Delta R.T. -0.000 min
Lab File: VN083468.D
Acq: 23 Aug 2024 18:21

Tgt Ion: 45 Resp: 304602
Ion Ratio Lower Upper
45 100
43 57.1 44.0 66.0
87 28.7 19.7 29.5
59 12.1 8.5 12.7





#23

Vinyl Acetate

Concen: 237.956 ug/l

RT: 6.600 min Scan# 791

Delta R.T. -0.006 min

Lab File: VN083468.D

Acq: 23 Aug 2024 18:21

Instrument :

MSVOA_N

ClientSampleId :

1049-MW-02(23.8)MS

Tgt Ion: 43 Resp: 1441024

Ion Ratio Lower Upper

43 100

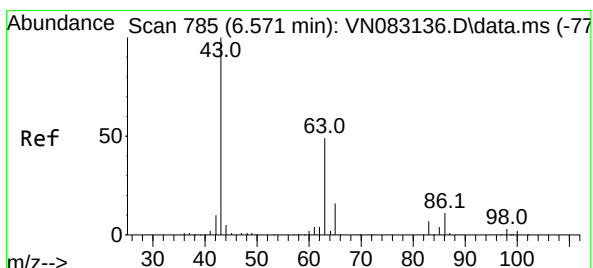
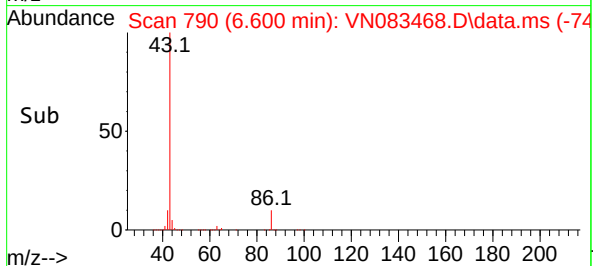
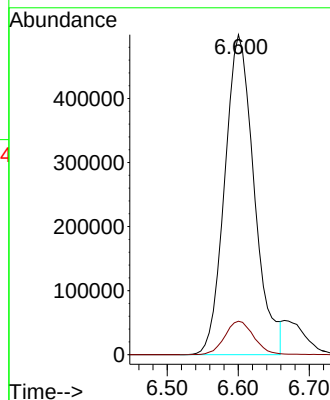
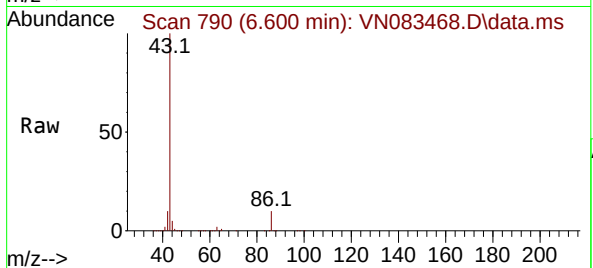
86 10.4 7.3 10.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/26/2024

Supervised By :Semsettin Yesilyurt 08/26/2024



#24

1,1-Dichloroethane

Concen: 52.010 ug/l

RT: 6.565 min Scan# 784

Delta R.T. -0.006 min

Lab File: VN083468.D

Acq: 23 Aug 2024 18:21

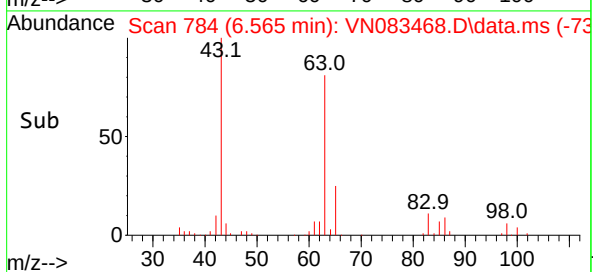
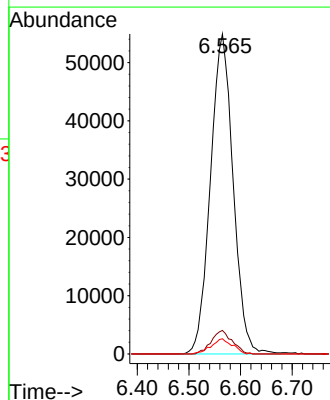
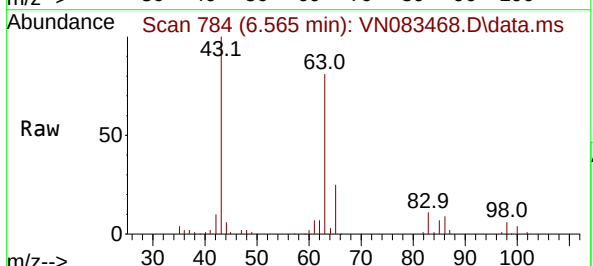
Tgt Ion: 63 Resp: 167493

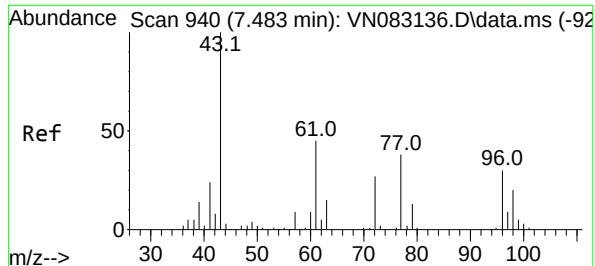
Ion Ratio Lower Upper

63 100

98 7.4 3.3 9.9

100 4.8 2.0 6.0





#25

2-Butanone

Concen: 236.308 ug/l

RT: 7.482 min Scan# 940

Delta R.T. -0.000 min

Lab File: VN083468.D

Acq: 23 Aug 2024 18:21

Instrument :

MSVOA_N

ClientSampleId :

1049-MW-02(23.8)MS

Tgt Ion: 43 Resp: 303225

Ion Ratio Lower Upper

43 100

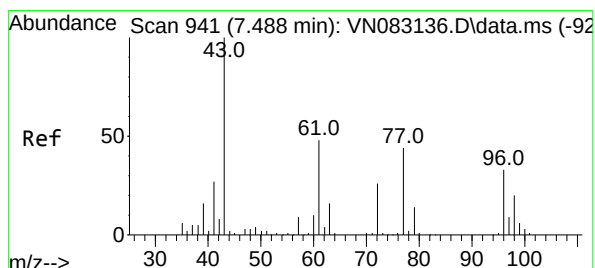
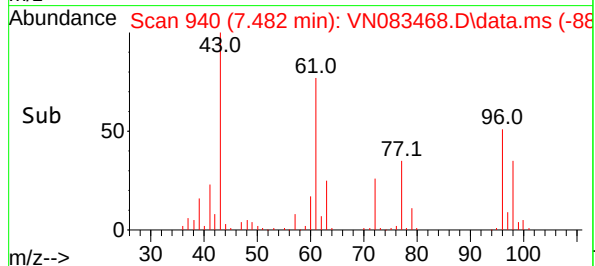
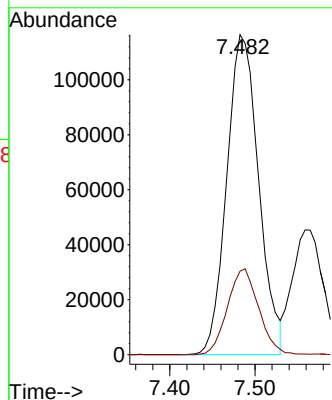
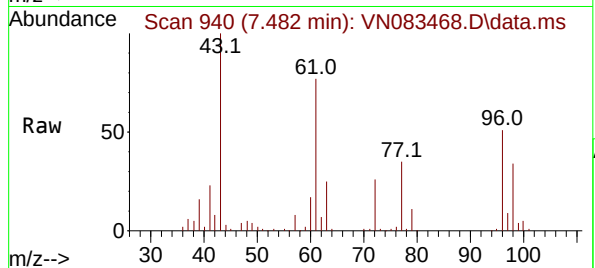
72 26.1 18.2 27.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/26/2024

Supervised By :Semsettin Yesilyurt 08/26/2024



#26

2,2-Dichloropropane

Concen: 40.672 ug/l

RT: 7.488 min Scan# 941

Delta R.T. -0.000 min

Lab File: VN083468.D

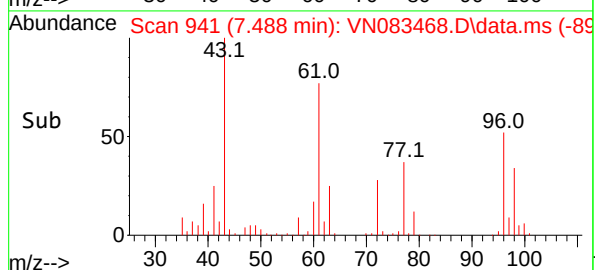
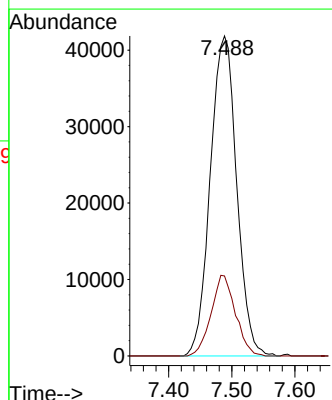
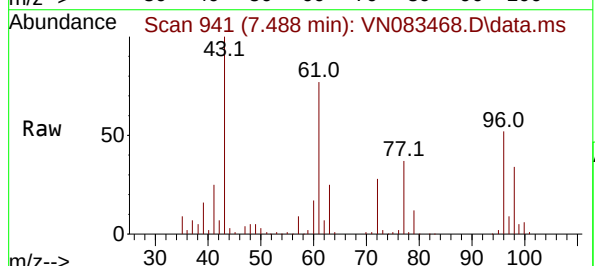
Acq: 23 Aug 2024 18:21

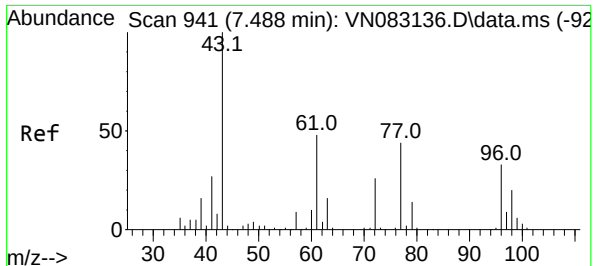
Tgt Ion: 77 Resp: 121639

Ion Ratio Lower Upper

77 100

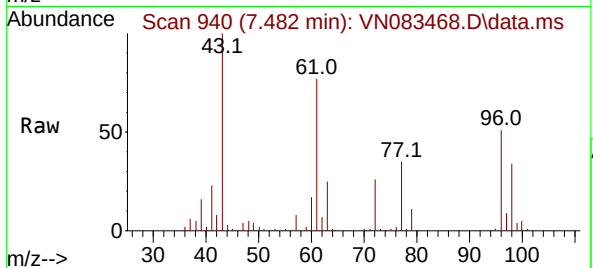
97 23.2 10.3 30.9





#27
cis-1,2-Dichloroethene
Concen: 78.421 ug/l
RT: 7.482 min Scan# 941
Delta R.T. -0.006 min
Lab File: VN083468.D
Acq: 23 Aug 2024 18:21

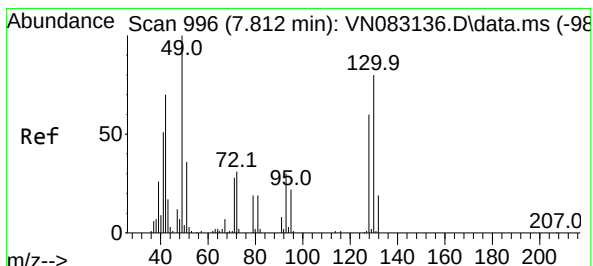
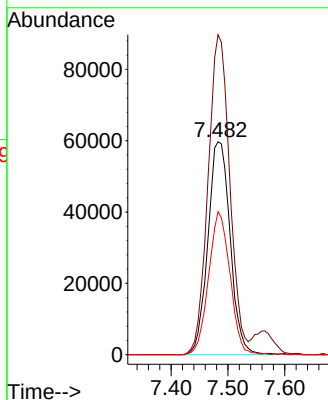
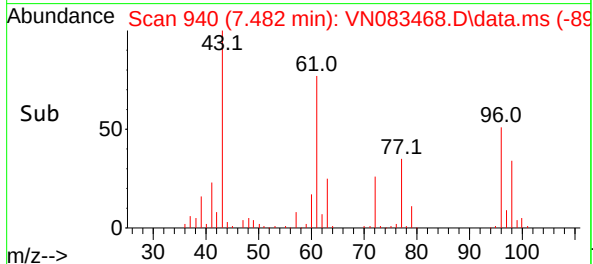
Instrument :
MSVOA_N
ClientSampleId :
1049-MW-02(23.8)MS



Tgt Ion: 96 Resp: 162679
Ion Ratio Lower Upper
96 100
61 146.2 0.0 329.6
98 64.4 0.0 128.6

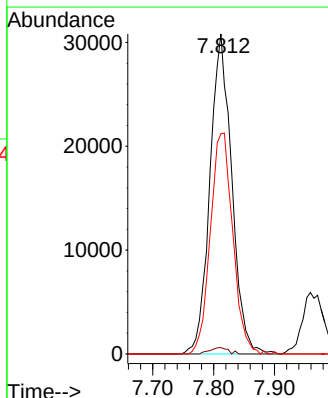
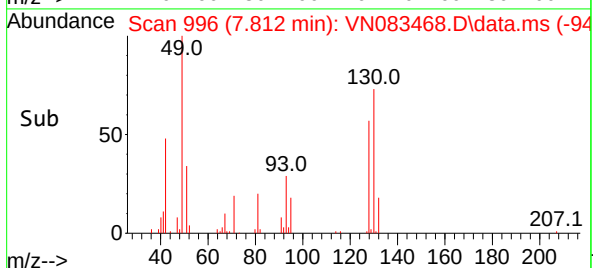
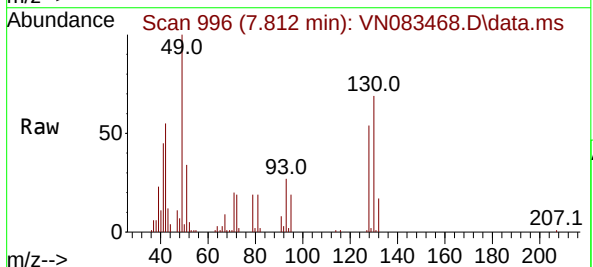
Manual Integrations
APPROVED

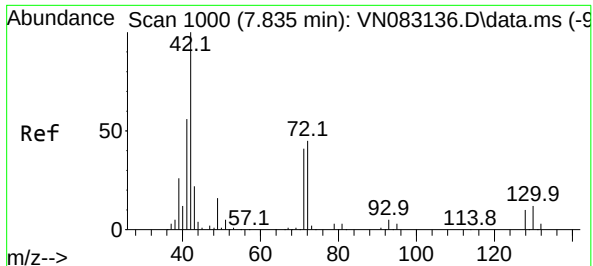
Reviewed By :John Carlone 08/26/2024
Supervised By :Semsettin Yesilyurt 08/26/2024



#28
Bromochloromethane
Concen: 58.352 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VN083468.D
Acq: 23 Aug 2024 18:21

Tgt Ion: 49 Resp: 76796
Ion Ratio Lower Upper
49 100
129 1.7 0.0 3.8
130 71.0 50.5 75.7





#29

Tetrahydrofuran

Concen: 243.533 ug/l

RT: 7.841 min Scan# 1000

Delta R.T. 0.006 min

Lab File: VN083468.D

Acq: 23 Aug 2024 18:21

Instrument :

MSVOA_N

ClientSampleId :

1049-MW-02(23.8)MS

Tgt Ion: 42 Resp: 202008

Ion Ratio Lower Upper

42 100

72 44.5 30.0 45.0

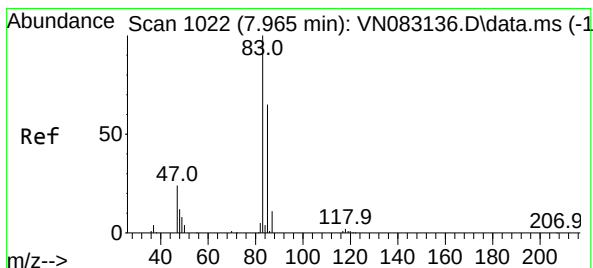
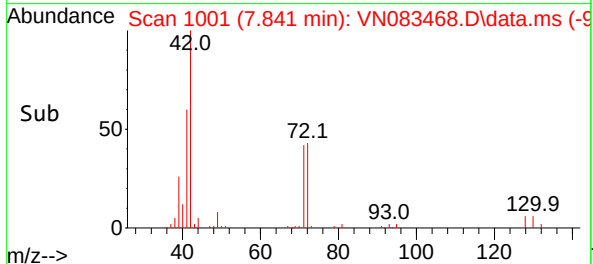
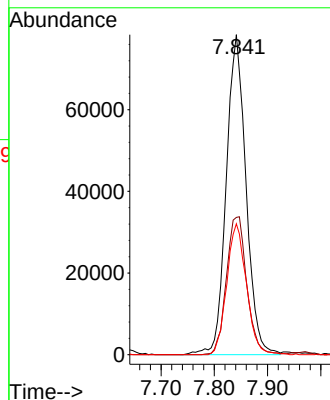
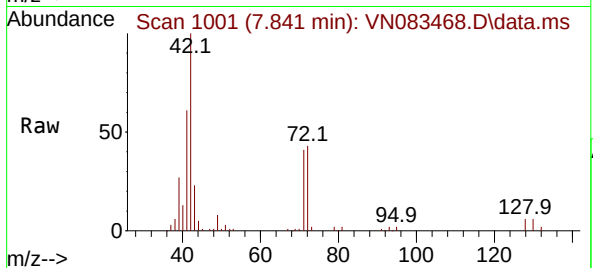
71 40.7 28.3 42.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/26/2024

Supervised By :Semsettin Yesilyurt 08/26/2024



#30

Chloroform

Concen: 52.249 ug/l

RT: 7.965 min Scan# 1022

Delta R.T. -0.000 min

Lab File: VN083468.D

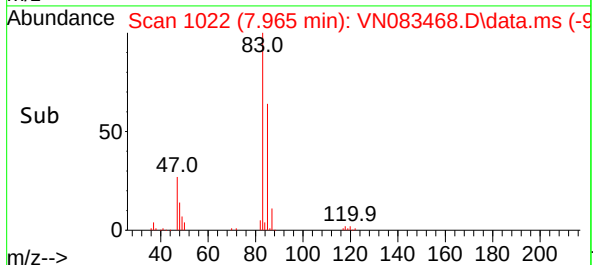
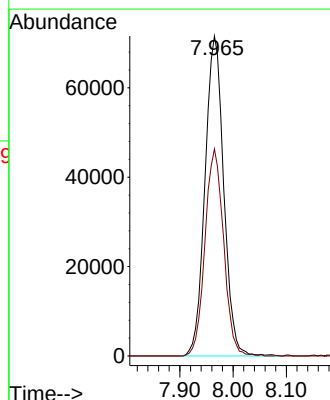
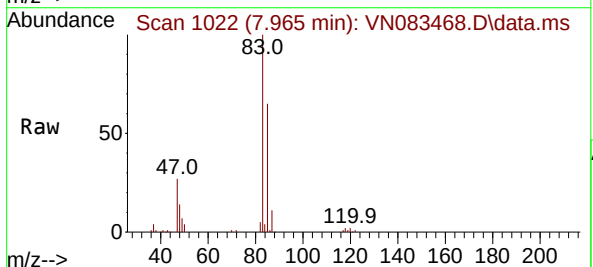
Acq: 23 Aug 2024 18:21

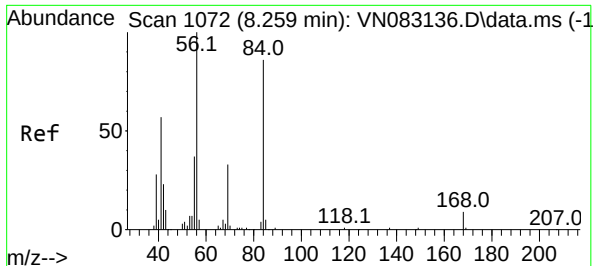
Tgt Ion: 83 Resp: 174809

Ion Ratio Lower Upper

83 100

85 64.7 50.9 76.3





#31

Cyclohexane

Concen: 43.987 ug/l

RT: 8.253 min Scan# 1071

Delta R.T. -0.006 min

Lab File: VN083468.D

Acq: 23 Aug 2024 18:21

Instrument :

MSVOA_N

ClientSampleId :

1049-MW-02(23.8)MS

Tgt Ion: 56 Resp: 139218

Ion Ratio Lower Upper

56 100

69 31.5 24.5 36.7

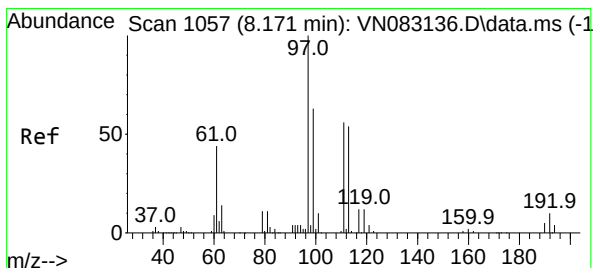
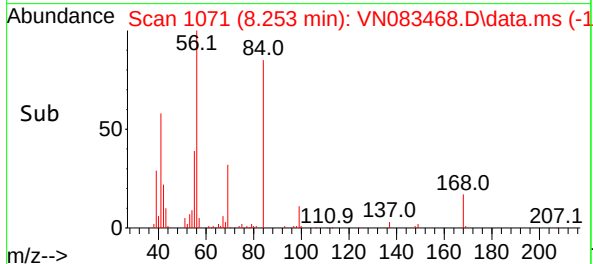
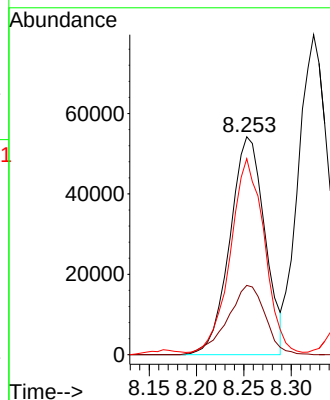
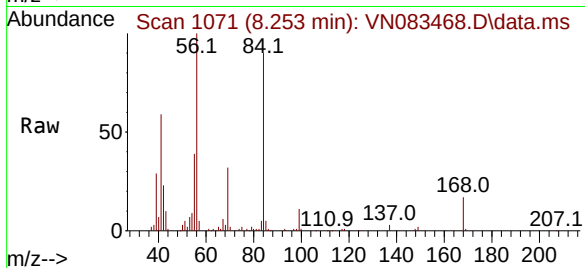
84 88.6 66.0 99.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/26/2024

Supervised By :Semsettin Yesilyurt 08/26/2024



#32

1,1,1-Trichloroethane

Concen: 50.666 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.006 min

Lab File: VN083468.D

Acq: 23 Aug 2024 18:21

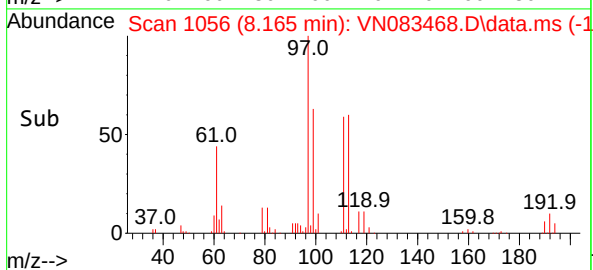
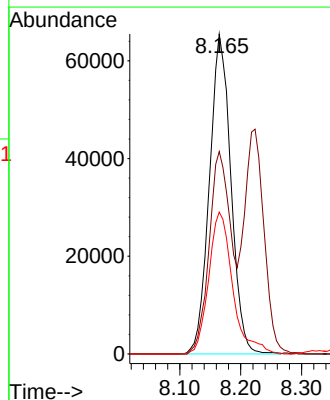
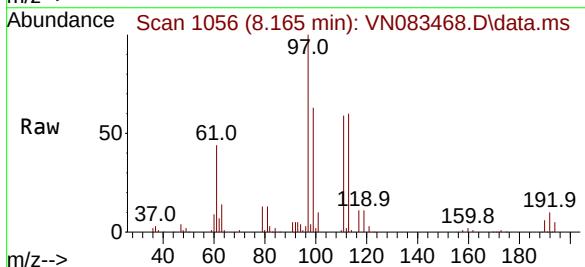
Tgt Ion: 97 Resp: 160455

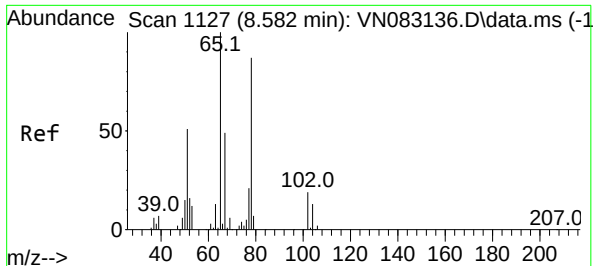
Ion Ratio Lower Upper

97 100

99 64.5 52.0 78.0

61 49.5 42.1 63.1





#33

1,2-Dichloroethane-d4

Concen: 60.299 ug/l

RT: 8.576 min Scan# 1127

Delta R.T. -0.006 min

Lab File: VN083468.D

Acq: 23 Aug 2024 18:21

Instrument :

MSVOA_N

ClientSampleId :

1049-MW-02(23.8)MS

Tgt Ion: 65 Resp: 12878

Ion Ratio Lower Upper

65 100

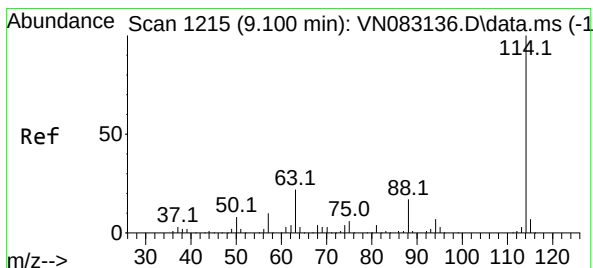
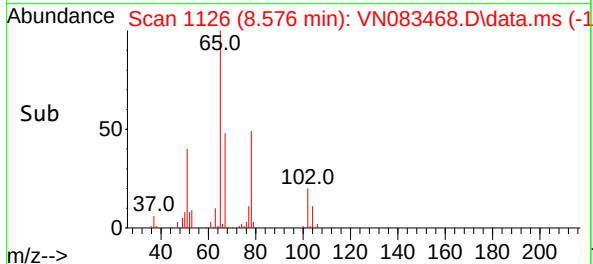
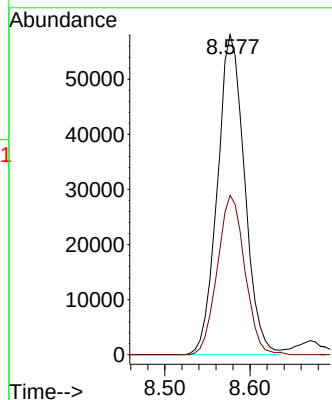
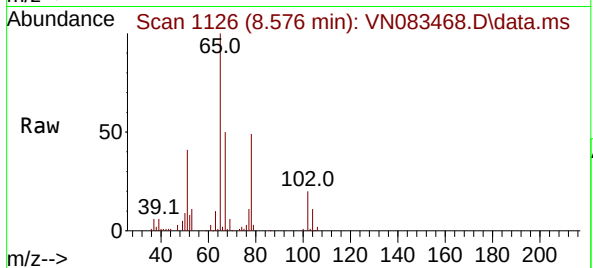
67 50.2 0.0 104.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/26/2024

Supervised By :Semsettin Yesilyurt 08/26/2024



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN083468.D

Acq: 23 Aug 2024 18:21

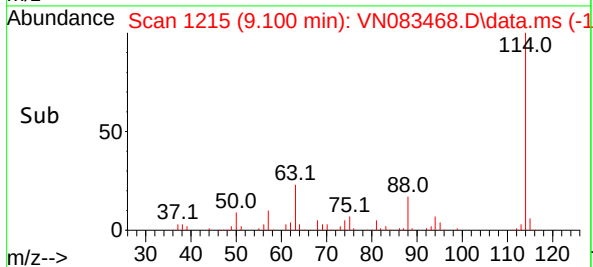
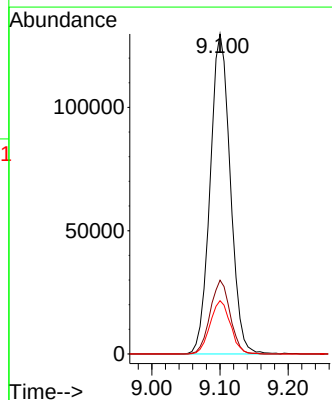
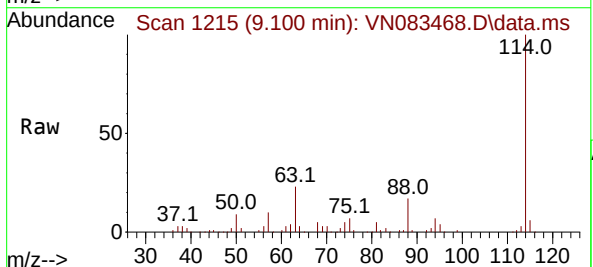
Tgt Ion:114 Resp: 266487

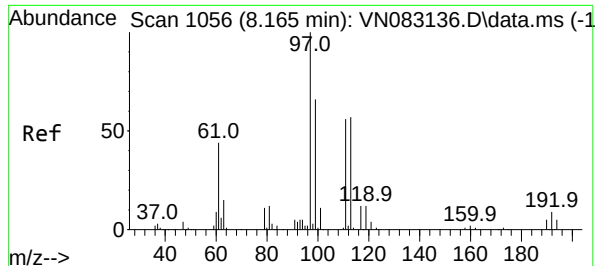
Ion Ratio Lower Upper

114 100

63 23.1 0.0 44.6

88 16.7 0.0 31.4





#35

Dibromofluoromethane

Concen: 56.855 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN083468.D

Acq: 23 Aug 2024 18:21

Instrument :

MSVOA_N

ClientSampleId :

1049-MW-02(23.8)MS

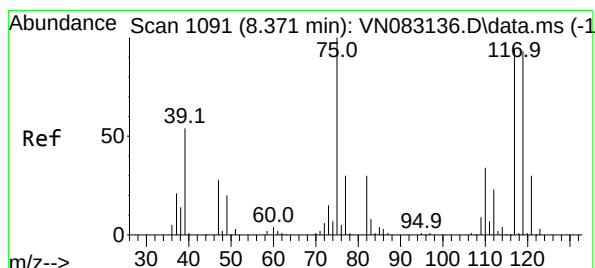
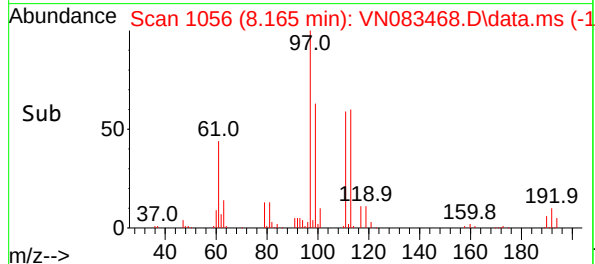
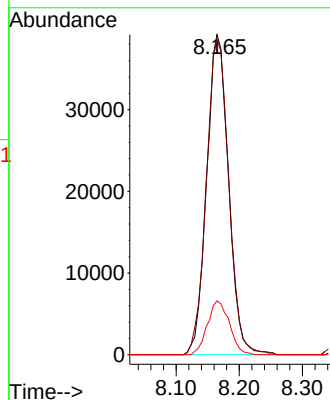
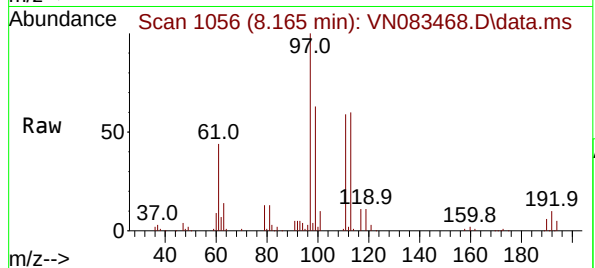
Tgt Ion:	113	Resp:	94570
Ion	Ratio	Lower	Upper
113	100		
111	100.7	82.4	123.6
192	16.8	14.9	22.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/26/2024

Supervised By :Semsettin Yesilyurt 08/26/2024



#36

1,1-Dichloropropene

Concen: 46.284 ug/l

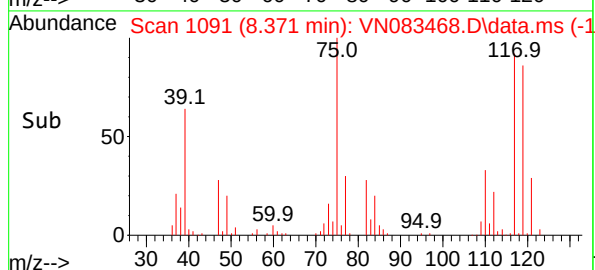
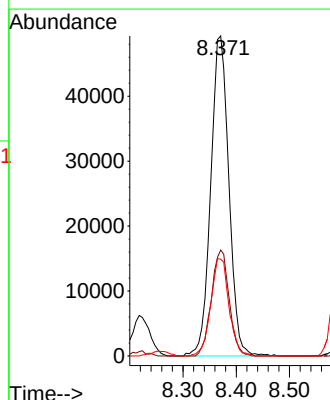
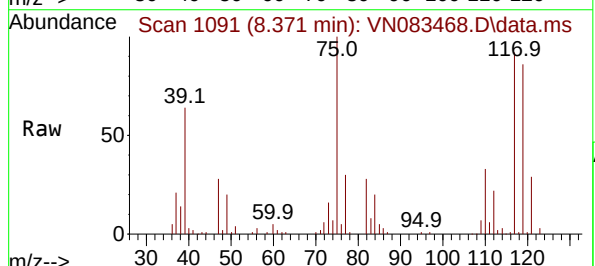
RT: 8.371 min Scan# 1091

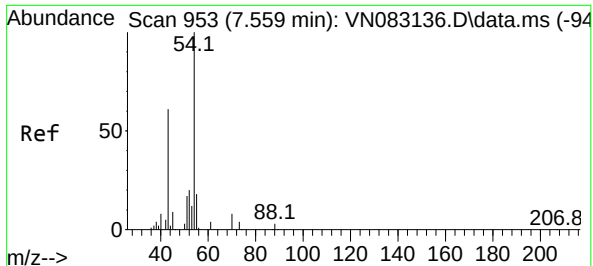
Delta R.T. -0.000 min

Lab File: VN083468.D

Acq: 23 Aug 2024 18:21

Tgt Ion:	75	Resp:	116459
Ion	Ratio	Lower	Upper
75	100		
110	32.4	16.3	48.9
77	30.6	24.6	37.0





#37

Ethyl Acetate

Concen: 42.572 ug/l

RT: 7.559 min Scan# 91

Delta R.T. -0.000 min

Lab File: VN083468.D

Acq: 23 Aug 2024 18:21

Instrument :

MSVOA_N

ClientSampleId :

1049-MW-02(23.8)MS

Tgt Ion: 43 Resp: 119938

Ion Ratio Lower Upper

43

100

61

70

14.2

10.3

9.3

7.0

13.9

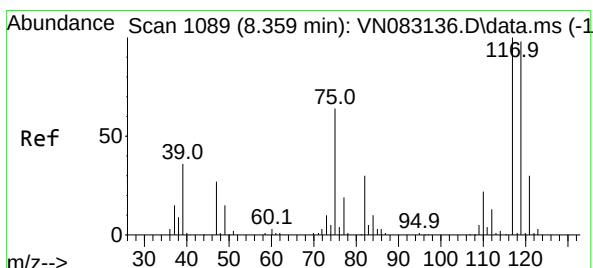
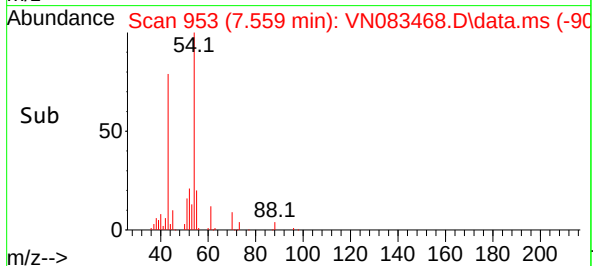
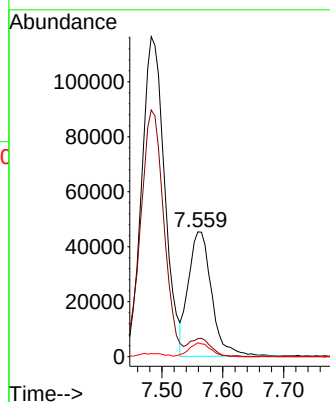
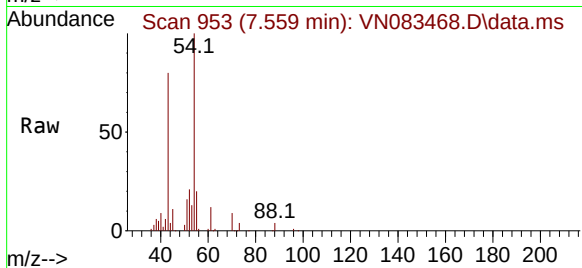
10.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/26/2024

Supervised By :Semsettin Yesilyurt 08/26/2024



#38

Carbon Tetrachloride

Concen: 48.269 ug/l

RT: 8.359 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VN083468.D

Acq: 23 Aug 2024 18:21

Tgt Ion:117 Resp: 136795

Ion Ratio Lower Upper

117

100

119

121

96.2

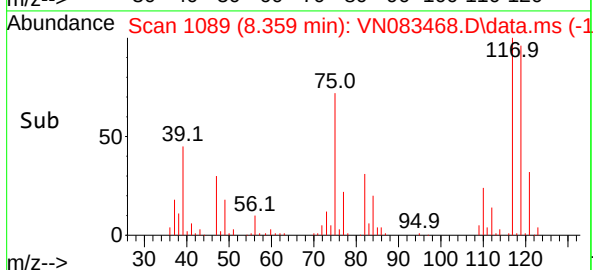
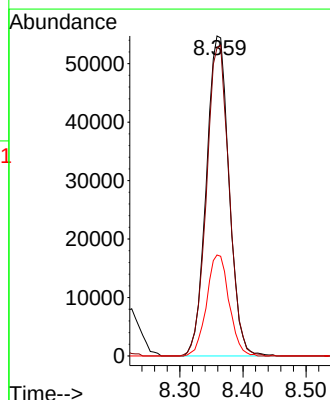
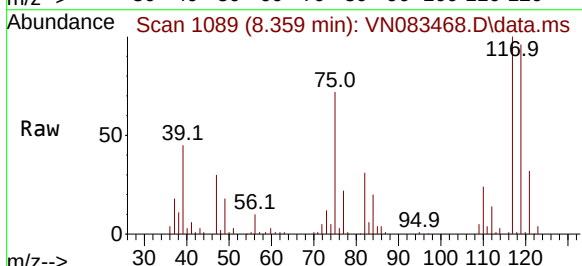
31.6

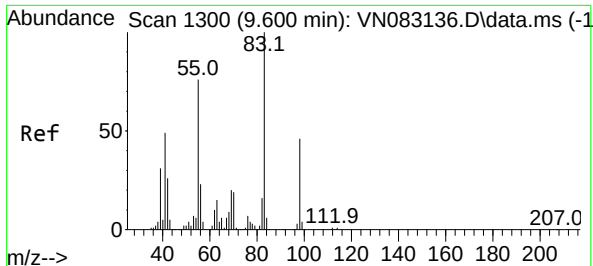
74.9

24.3

112.3

36.5





#39

Methylcyclohexane

Concen: 43.506 ug/l

RT: 9.600 min Scan# 11300

Delta R.T. -0.000 min

Lab File: VN083468.D

Acq: 23 Aug 2024 18:21

Instrument :

MSVOA_N

ClientSampleId :

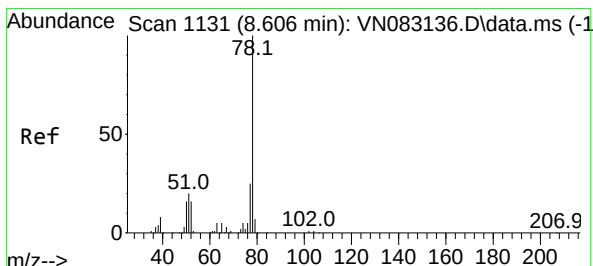
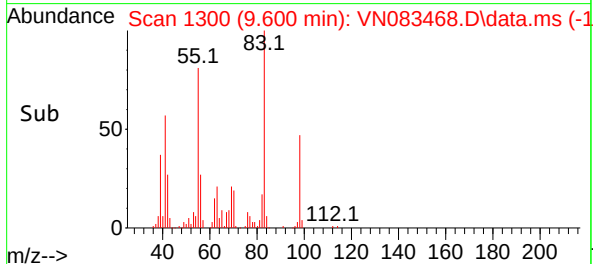
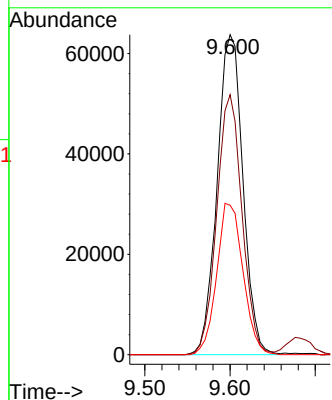
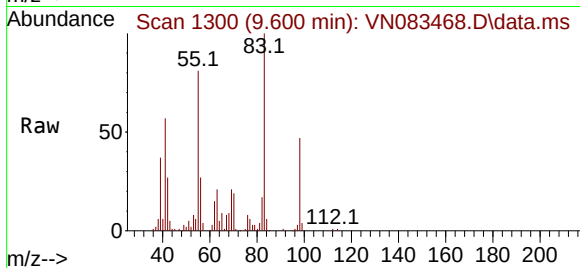
1049-MW-02(23.8)MS

Tgt Ion:	83	Resp:	13445
Ion Ratio	Lower	Upper	
83	100		
55	81.2	66.4	99.6
98	46.7	40.7	61.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/26/2024

Supervised By :Semsettin Yesilyurt 08/26/2024



#40

Benzene

Concen: 49.047 ug/l

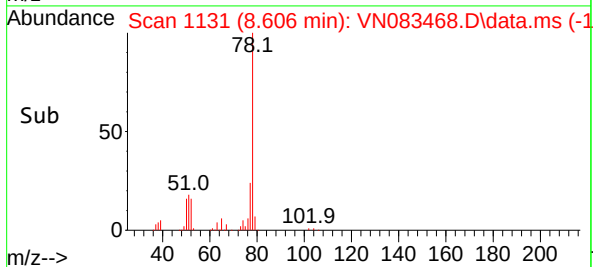
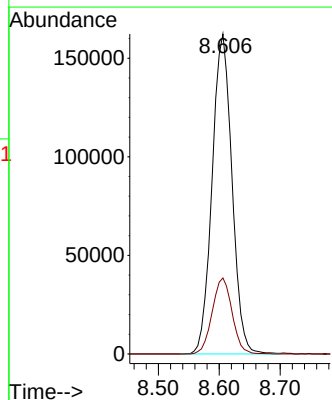
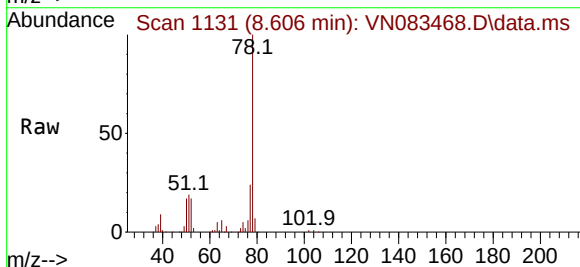
RT: 8.606 min Scan# 1131

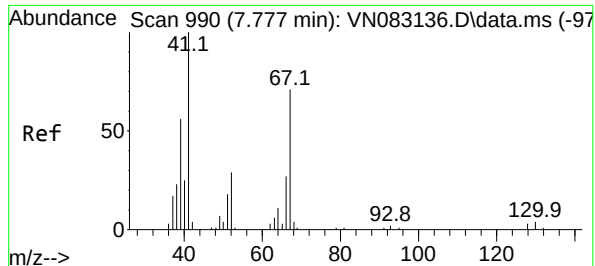
Delta R.T. -0.000 min

Lab File: VN083468.D

Acq: 23 Aug 2024 18:21

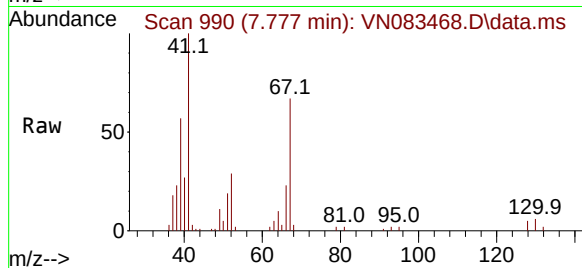
Tgt Ion:	78	Resp:	367651
Ion Ratio	Lower	Upper	
78	100		
77	23.7	19.0	28.4





#41
Methacrylonitrile
Concen: 45.299 ug/l
RT: 7.777 min Scan# 990
Delta R.T. -0.000 min
Lab File: VN083468.D
Acq: 23 Aug 2024 18:21

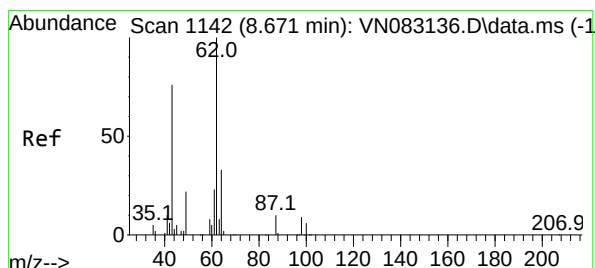
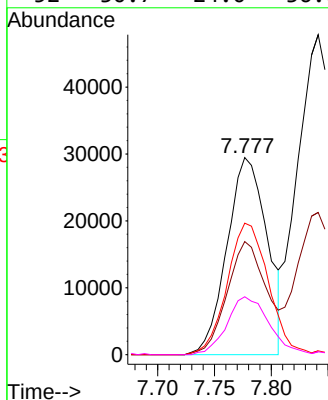
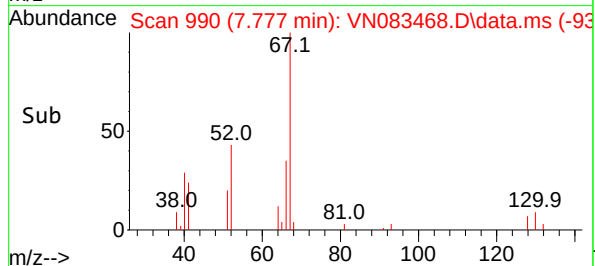
Instrument :
MSVOA_N
ClientSampleId :
1049-MW-02(23.8)MS



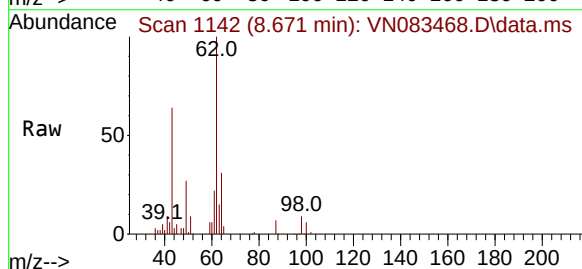
Tgt Ion: 41 Resp: 7256
Ion Ratio Lower Upper
41 100
39 55.8 45.5 68.3
67 68.7 50.5 75.7
52 30.7 24.0 36.0

Manual Integrations
APPROVED

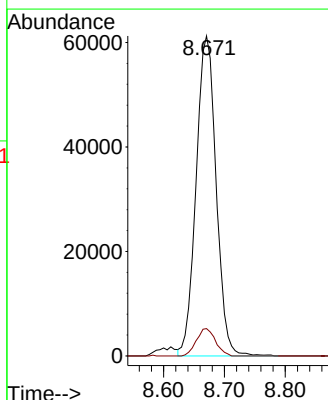
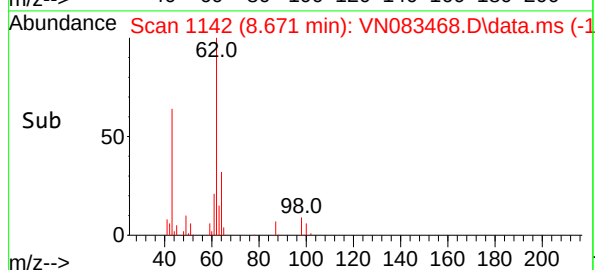
Reviewed By :John Carlone 08/26/2024
Supervised By :Semsettin Yesilyurt 08/26/2024

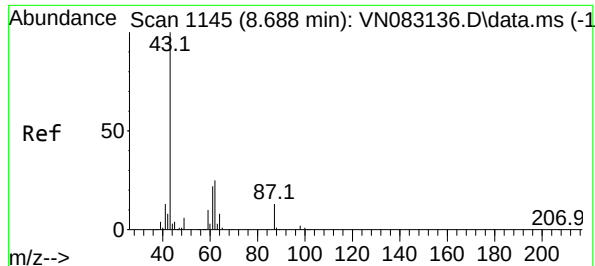


#42
1,2-Dichloroethane
Concen: 51.302 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VN083468.D
Acq: 23 Aug 2024 18:21



Tgt Ion: 62 Resp: 140084
Ion Ratio Lower Upper
62 100
98 8.1 0.0 15.8





#43

Isopropyl Acetate

Concen: 46.000 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VN083468.D

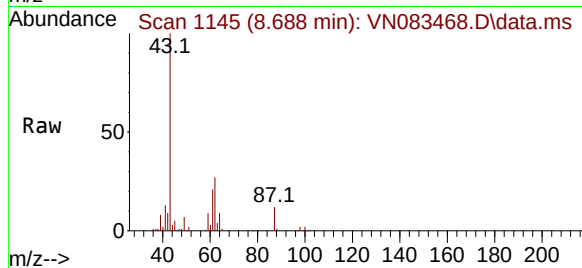
Acq: 23 Aug 2024 18:21

Instrument :

MSVOA_N

ClientSampleId :

1049-MW-02(23.8)MS

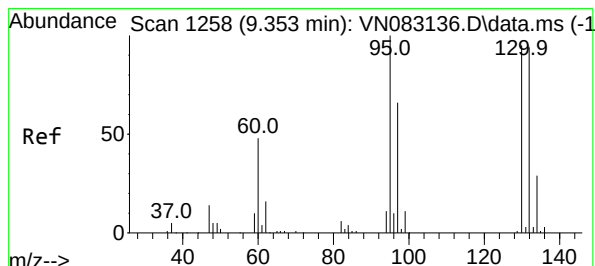
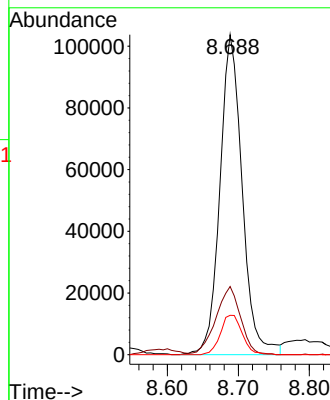
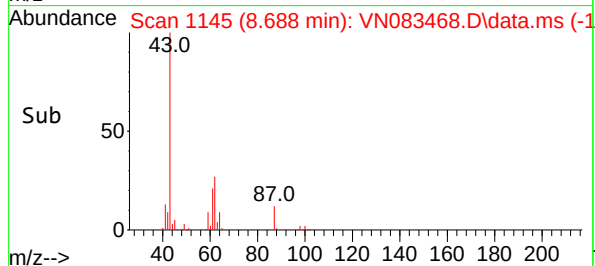


Tgt Ion:	43	Resp:	226020
Ion Ratio	100	Lower	17.8
Upper	26.6	Ratio	12.1
61	23.6	87	12.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/26/2024

Supervised By :Semsettin Yesilyurt 08/26/2024



#44

Trichloroethene

Concen: 77.762 ug/l

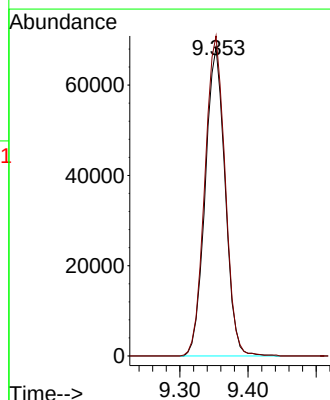
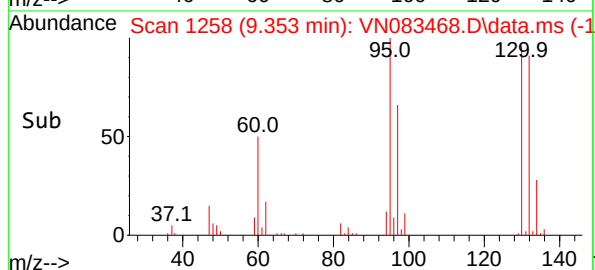
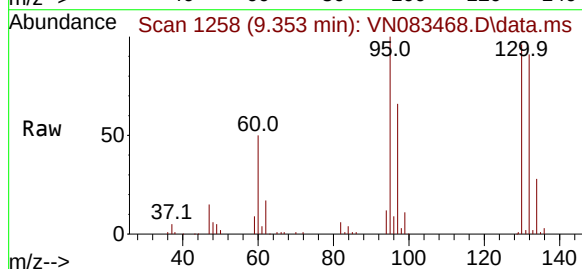
RT: 9.353 min Scan# 1258

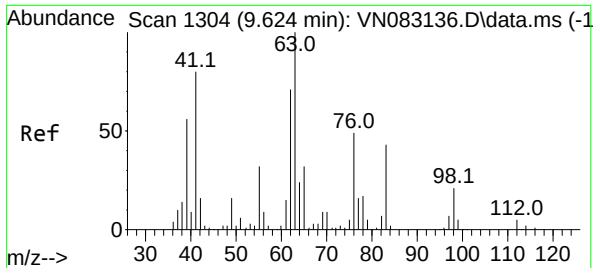
Delta R.T. -0.000 min

Lab File: VN083468.D

Acq: 23 Aug 2024 18:21

Tgt Ion:	130	Resp:	138741
Ion Ratio	100	Lower	0.0
Upper	197.8	Ratio	103.7
95	103.7	60	103.7





#45

1,2-Dichloropropane

Concen: 51.400 ug/l

RT: 9.623 min Scan# 1304

Delta R.T. -0.000 min

Lab File: VN083468.D

Acq: 23 Aug 2024 18:21

Instrument :

MSVOA_N

ClientSampleId :

1049-MW-02(23.8)MS

Tgt Ion: 63 Resp: 9145

Ion Ratio Lower Upper

63 100

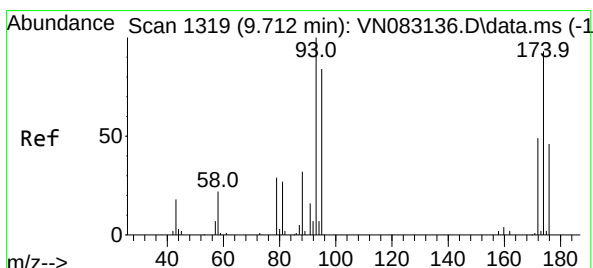
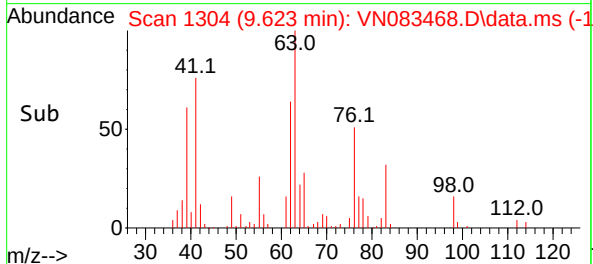
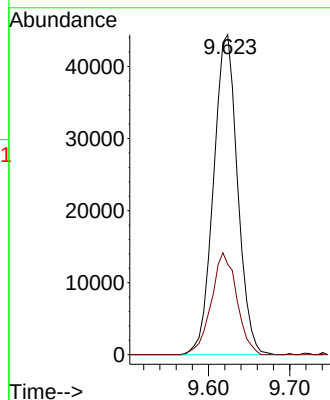
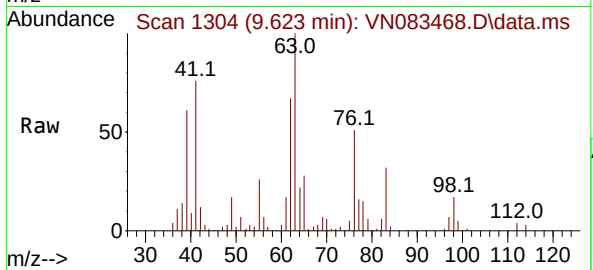
65 28.3 24.4 36.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/26/2024

Supervised By :Semsettin Yesilyurt 08/26/2024



#46

Dibromomethane

Concen: 50.164 ug/l

RT: 9.712 min Scan# 1319

Delta R.T. -0.000 min

Lab File: VN083468.D

Acq: 23 Aug 2024 18:21

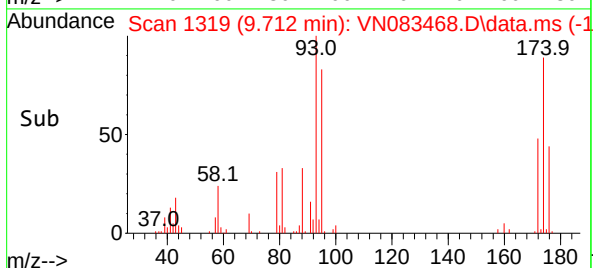
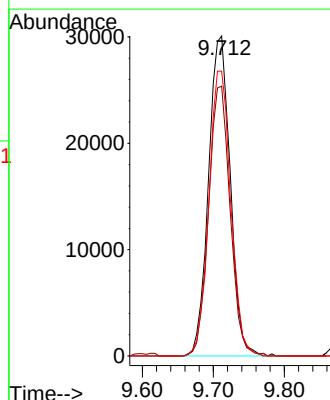
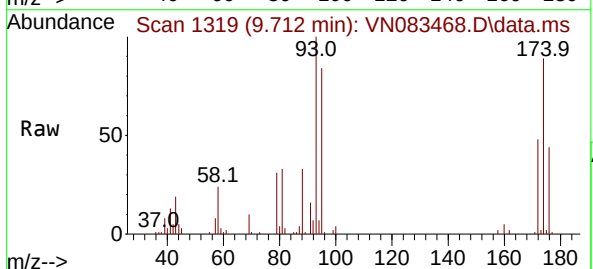
Tgt Ion: 93 Resp: 63887

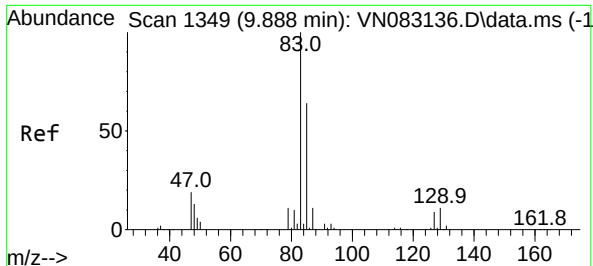
Ion Ratio Lower Upper

93 100

95 83.4 65.8 98.6

174 89.7 71.7 107.5





#47

Bromodichloromethane

Concen: 48.324 ug/l

RT: 9.888 min Scan# 1349

Delta R.T. -0.000 min

Lab File: VN083468.D

Acq: 23 Aug 2024 18:21

Instrument :

MSVOA_N

ClientSampleId :

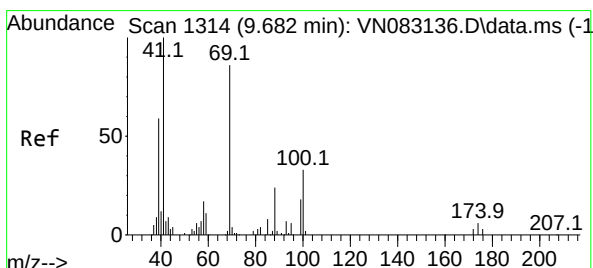
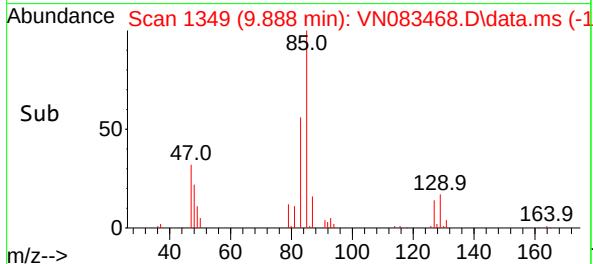
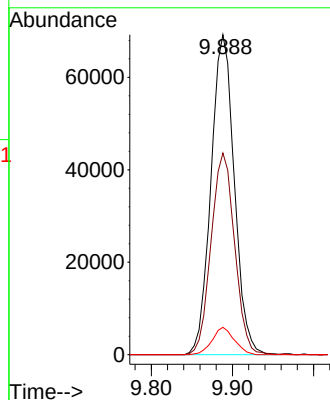
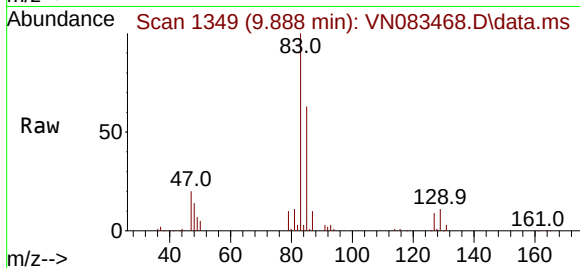
1049-MW-02(23.8)MS

Tgt Ion:	83	Resp:	138189
Ion	Ratio	Lower	Upper
83	100		
85	63.0	51.1	76.7
127	8.6	7.2	10.8

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/26/2024

Supervised By :Semsettin Yesilyurt 08/26/2024



#48

Methyl methacrylate

Concen: 46.331 ug/l

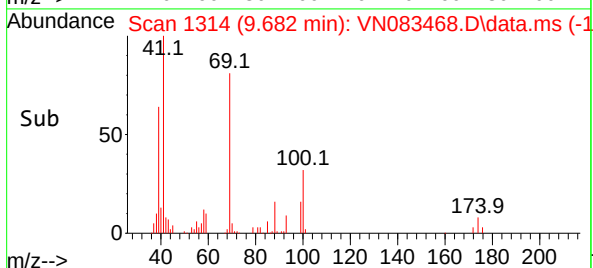
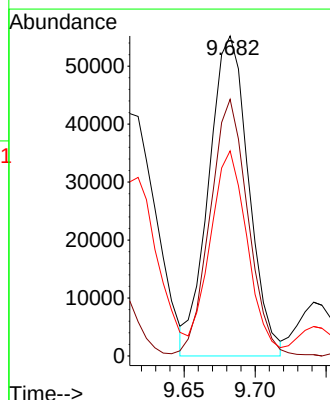
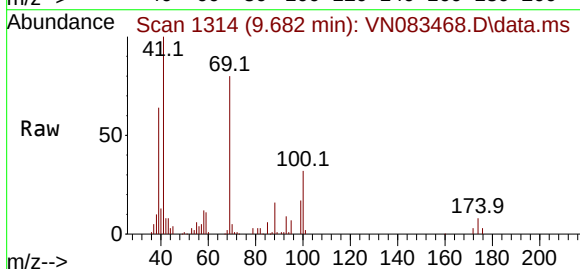
RT: 9.682 min Scan# 1314

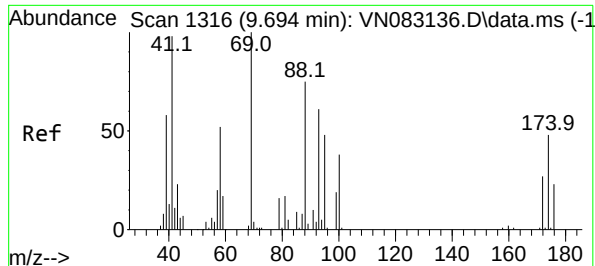
Delta R.T. -0.000 min

Lab File: VN083468.D

Acq: 23 Aug 2024 18:21

Tgt Ion:	41	Resp:	107912
Ion	Ratio	Lower	Upper
41	100		
69	76.5	56.3	84.5
39	59.9	50.3	75.5





#49

1,4-Dioxane

Concen: 886.344 ug/l

RT: 9.694 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN083468.D

Acq: 23 Aug 2024 18:21

Instrument :

MSVOA_N

ClientSampleId :

1049-MW-02(23.8)MS

Tgt Ion: 88 Resp: 3724

Ion Ratio Lower Upper

88 100

43 0.0 27.8 41.8

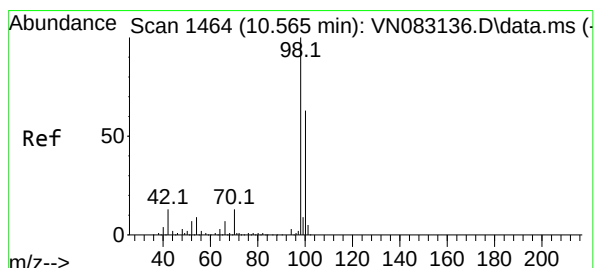
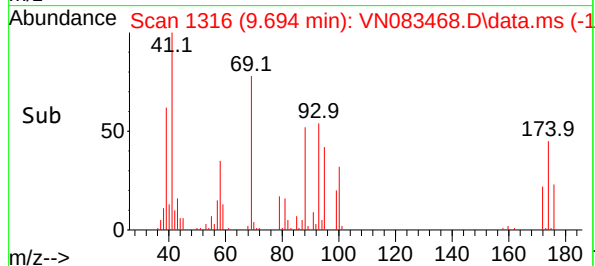
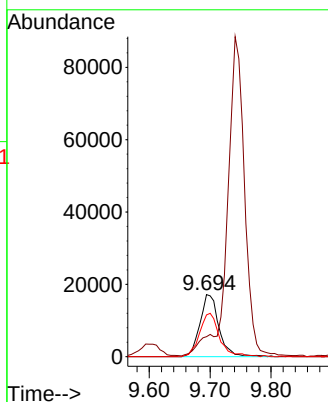
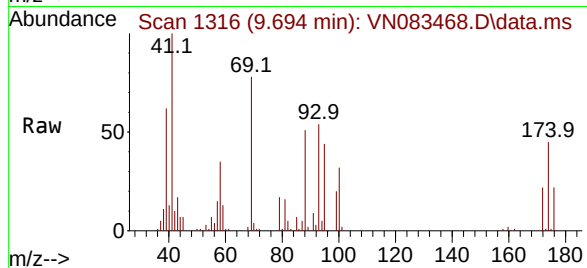
58 73.1 59.4 89.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/26/2024

Supervised By :Semsettin Yesilyurt 08/26/2024



#50

Toluene-d8

Concen: 54.942 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN083468.D

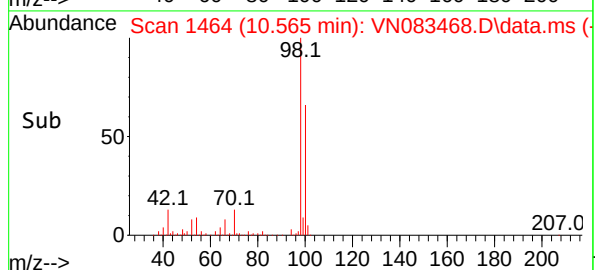
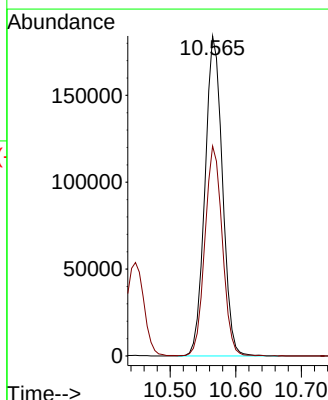
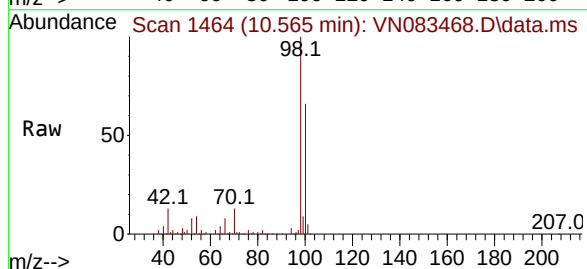
Acq: 23 Aug 2024 18:21

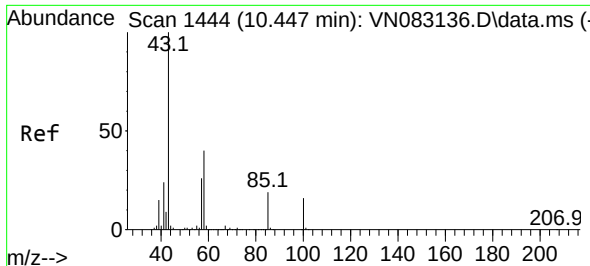
Tgt Ion: 98 Resp: 340897

Ion Ratio Lower Upper

98 100

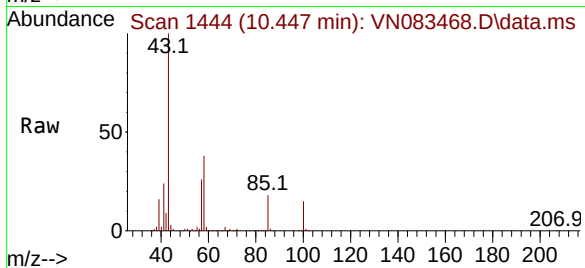
100 65.5 51.5 77.3





#51
4-Methyl-2-Pentanone
Concen: 244.439 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN083468.D
Acq: 23 Aug 2024 18:21

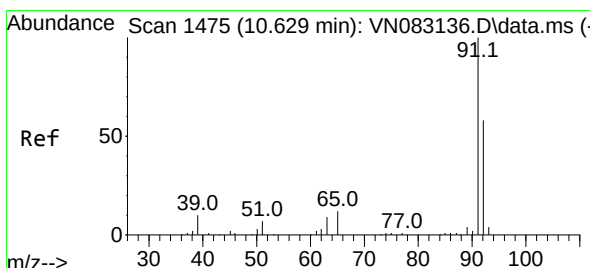
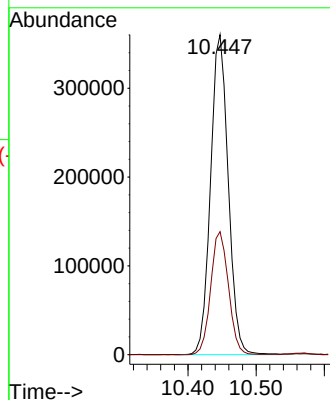
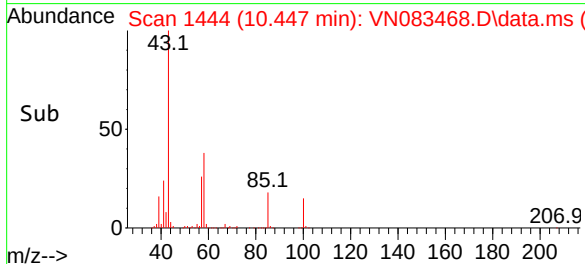
Instrument :
MSVOA_N
ClientSampleId :
1049-MW-02(23.8)MS



Tgt Ion: 43 Resp: 65122
Ion Ratio Lower Upper
43 100
58 38.5 28.2 42.4

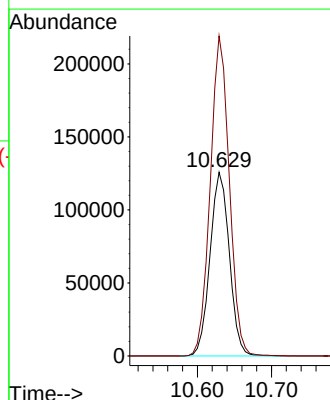
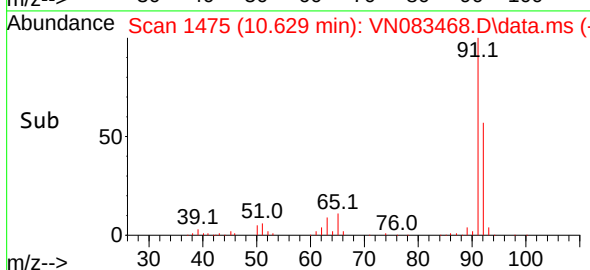
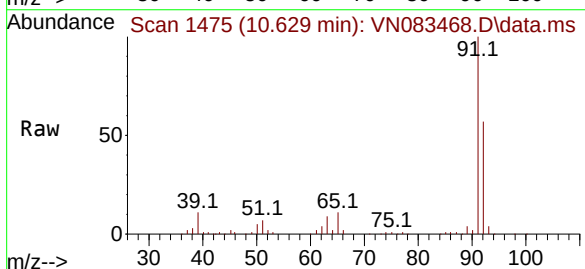
Manual Integrations
APPROVED

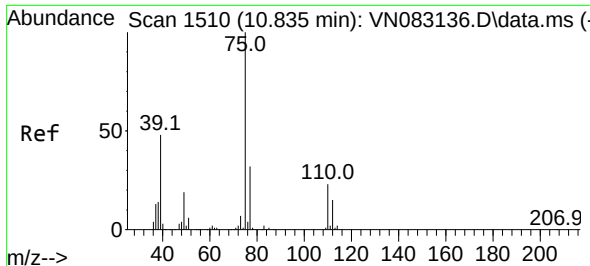
Reviewed By :John Carlone 08/26/2024
Supervised By :Semsettin Yesilyurt 08/26/2024



#52
Toluene
Concen: 48.036 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN083468.D
Acq: 23 Aug 2024 18:21

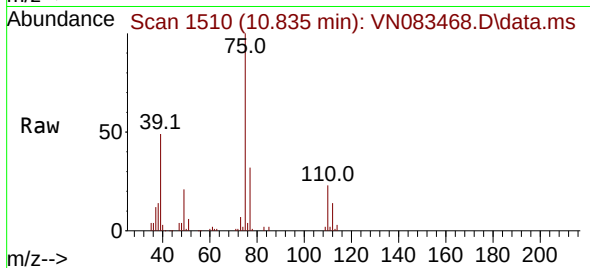
Tgt Ion: 92 Resp: 227503
Ion Ratio Lower Upper
92 100
91 172.3 139.4 209.0





#53
t-1,3-Dichloropropene
Concen: 46.753 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. -0.000 min
Lab File: VN083468.D
Acq: 23 Aug 2024 18:21

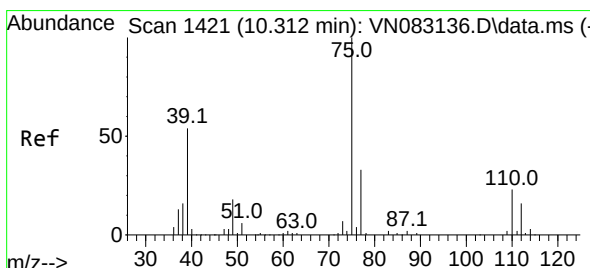
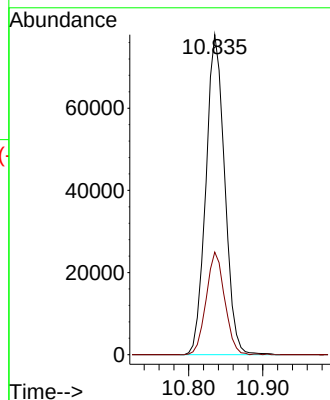
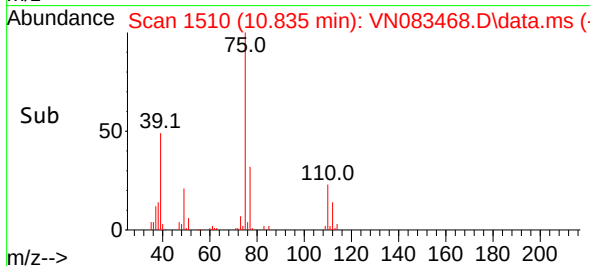
Instrument :
MSVOA_N
ClientSampleId :
1049-MW-02(23.8)MS



Tgt Ion: 75 Resp: 137334
Ion Ratio Lower Upper
75 100
77 32.0 25.7 38.5

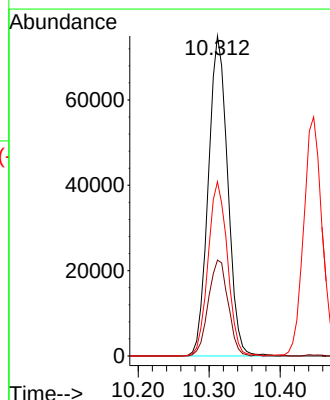
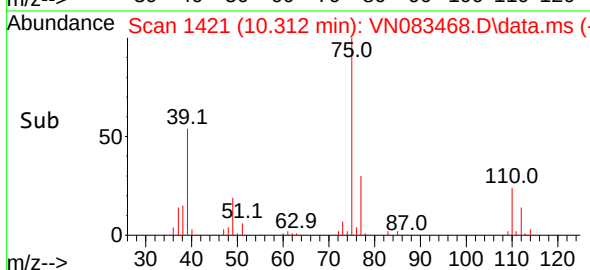
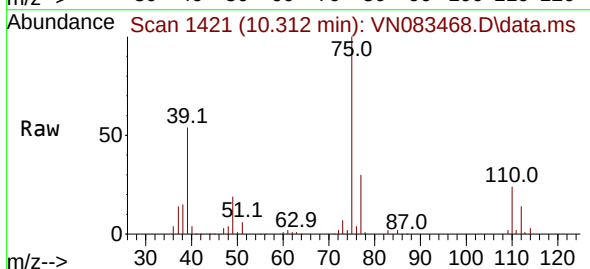
Manual Integrations
APPROVED

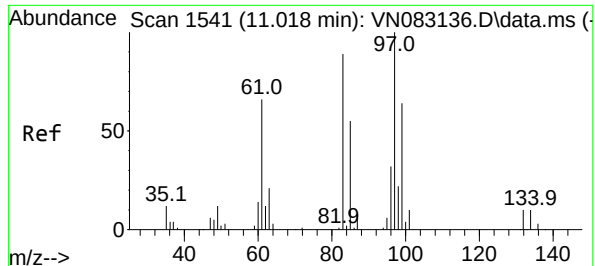
Reviewed By :John Carlone 08/26/2024
Supervised By :Semsettin Yesilyurt 08/26/2024



#54
cis-1,3-Dichloropropene
Concen: 45.469 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.000 min
Lab File: VN083468.D
Acq: 23 Aug 2024 18:21

Tgt Ion: 75 Resp: 142061
Ion Ratio Lower Upper
75 100
77 29.9 24.3 36.5
39 54.5 50.5 75.7





#55

1,1,2-Trichloroethane

Concen: 50.757 ug/l

RT: 11.018 min Scan# 1541

Delta R.T. -0.000 min

Lab File: VN083468.D

Acq: 23 Aug 2024 18:21

Instrument :

MSVOA_N

ClientSampleId :

1049-MW-02(23.8)MS

Tgt Ion: 97 Resp: 86149

Ion Ratio Lower Upper

97 100

83 84.1 71.4 107.0

85 54.8 45.8 68.6

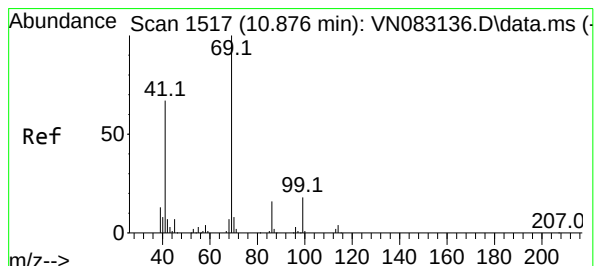
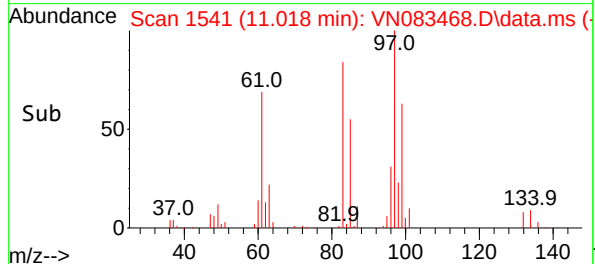
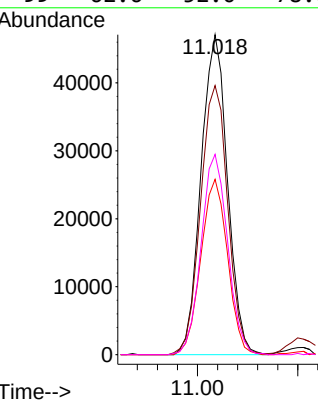
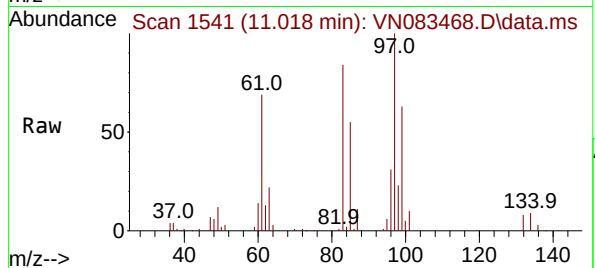
99 62.6 52.0 78.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/26/2024

Supervised By :Semsettin Yesilyurt 08/26/2024



#56

Ethyl methacrylate

Concen: 47.098 ug/l

RT: 10.876 min Scan# 1517

Delta R.T. -0.000 min

Lab File: VN083468.D

Acq: 23 Aug 2024 18:21

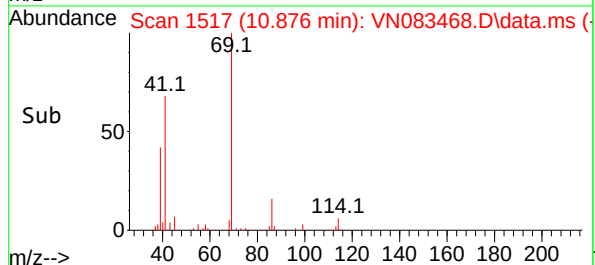
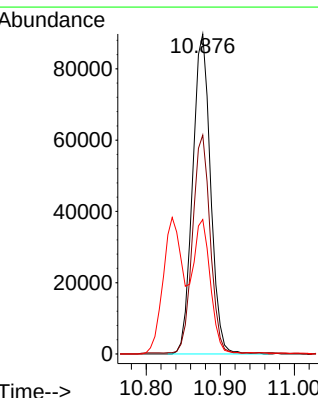
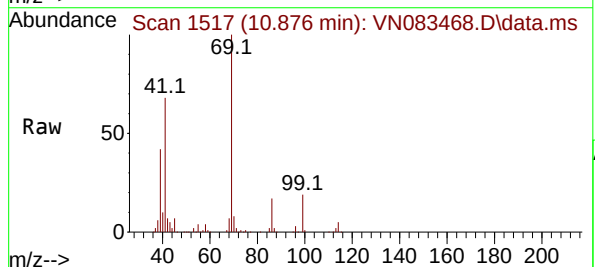
Tgt Ion: 69 Resp: 150700

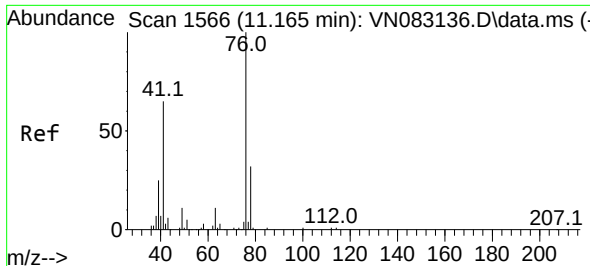
Ion Ratio Lower Upper

69 100

41 66.7 63.4 95.2

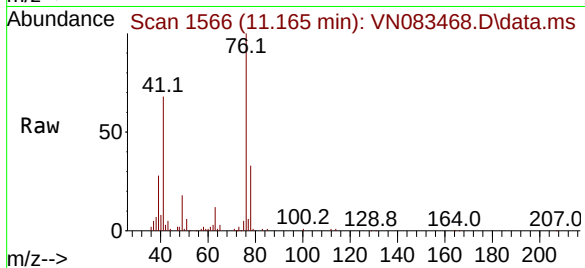
39 41.7 37.4 56.0





#57
1,3-Dichloropropane
Concen: 50.023 ug/l
RT: 11.165 min Scan# 1566
Delta R.T. -0.000 min
Lab File: VN083468.D
Acq: 23 Aug 2024 18:21

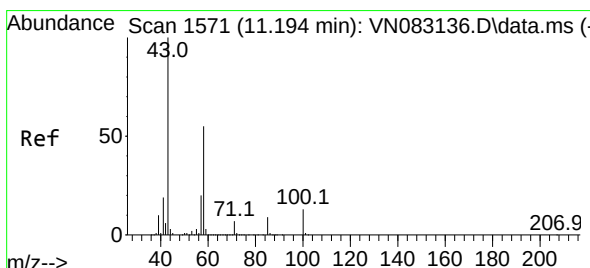
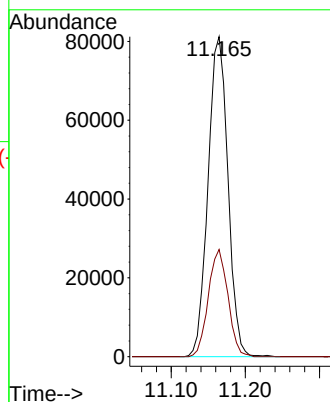
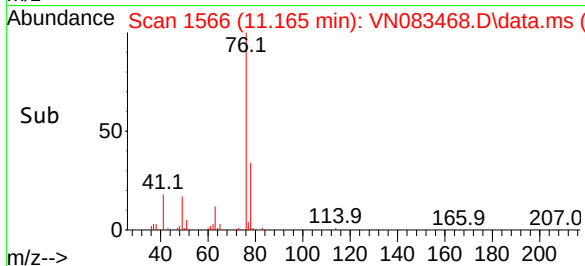
Instrument :
MSVOA_N
ClientSampleId :
1049-MW-02(23.8)MS



Tgt Ion: 76 Resp: 15133
Ion Ratio Lower Upper
76 100
78 33.0 25.6 38.4

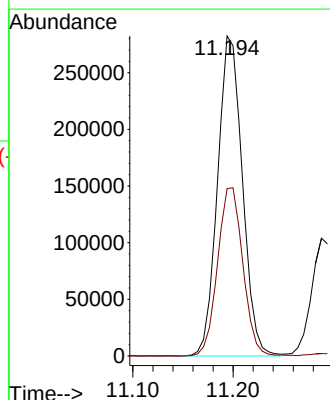
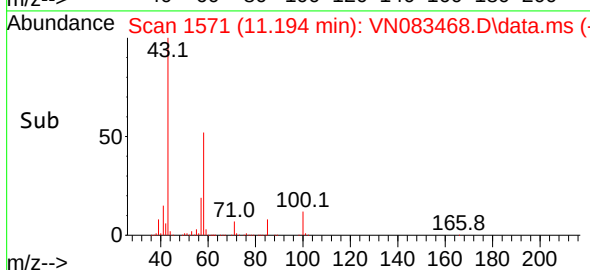
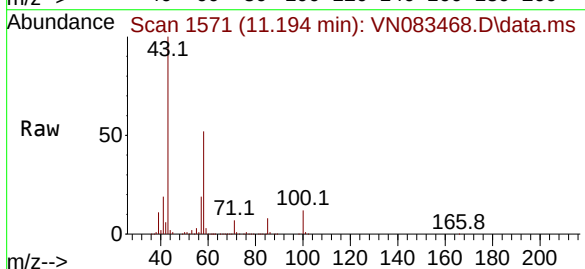
Manual Integrations
APPROVED

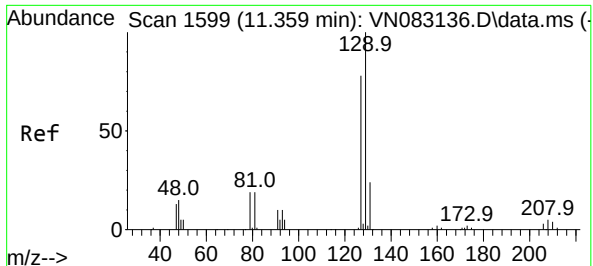
Reviewed By :John Carlone 08/26/2024
Supervised By :Semsettin Yesilyurt 08/26/2024



#59
2-Hexanone
Concen: 235.892 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. -0.000 min
Lab File: VN083468.D
Acq: 23 Aug 2024 18:21

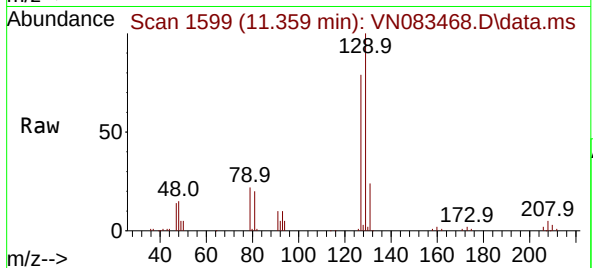
Tgt Ion: 43 Resp: 486192
Ion Ratio Lower Upper
43 100
58 53.5 24.6 73.8





#60
Dibromochloromethane
Concen: 49.646 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN083468.D
Acq: 23 Aug 2024 18:21

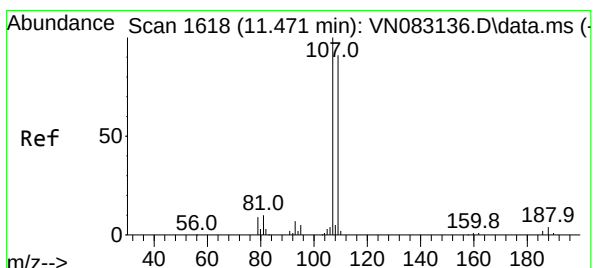
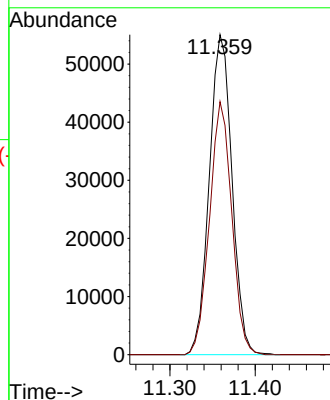
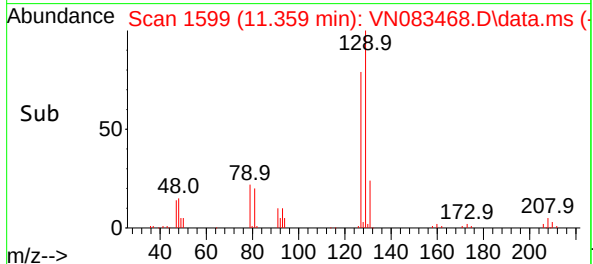
Instrument :
MSVOA_N
ClientSampleId :
1049-MW-02(23.8)MS



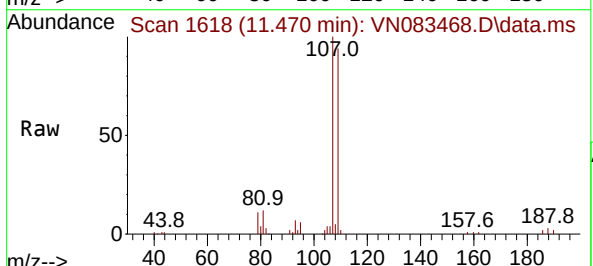
Tgt Ion:129 Resp: 101878
Ion Ratio Lower Upper
129 100
127 77.5 39.2 117.6

Manual Integrations
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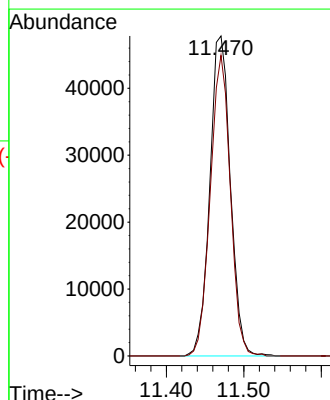
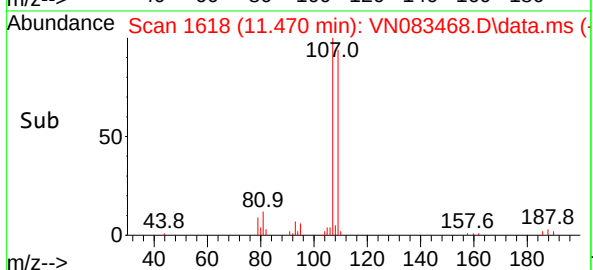
Reviewed By :John Carlone 08/26/2024
Supervised By :Semsettin Yesilyurt 08/26/2024

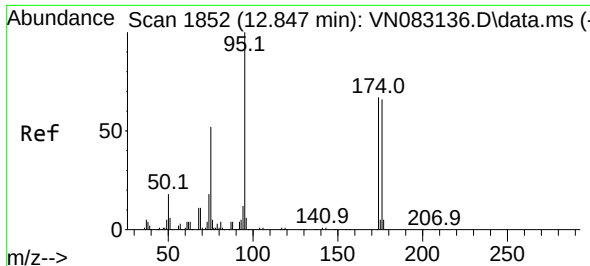


#61
1,2-Dibromoethane
Concen: 49.700 ug/l
RT: 11.470 min Scan# 1618
Delta R.T. -0.000 min
Lab File: VN083468.D
Acq: 23 Aug 2024 18:21



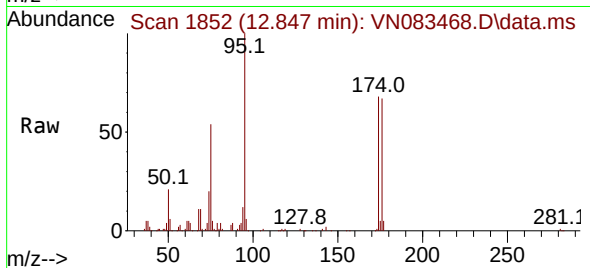
Tgt Ion:107 Resp: 88615
Ion Ratio Lower Upper
107 100
109 91.2 73.7 110.5





#62
4-Bromofluorobenzene
Concen: 58.335 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN083468.D
Acq: 23 Aug 2024 18:21

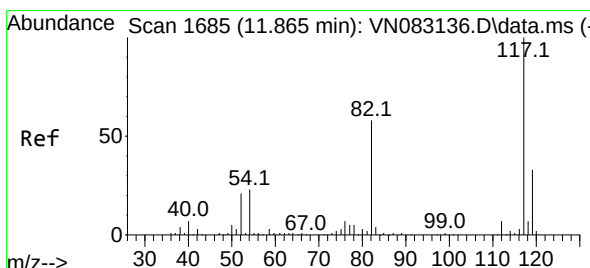
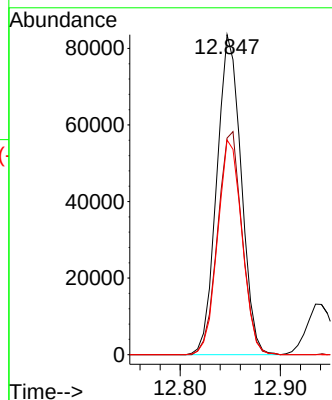
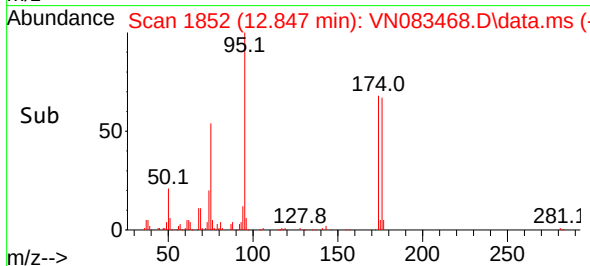
Instrument :
MSVOA_N
ClientSampleId :
1049-MW-02(23.8)MS



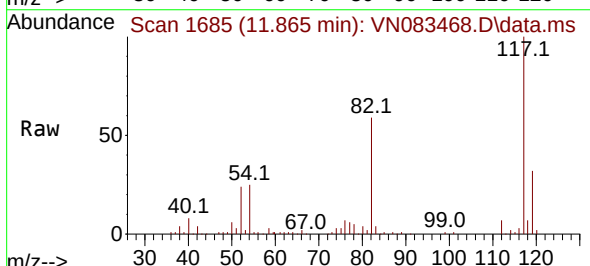
Tgt Ion: 95 Resp: 141110
Ion Ratio Lower Upper
95 100
174 69.9 0.0 159.2
176 67.1 0.0 147.6

Manual Integrations
APPROVED

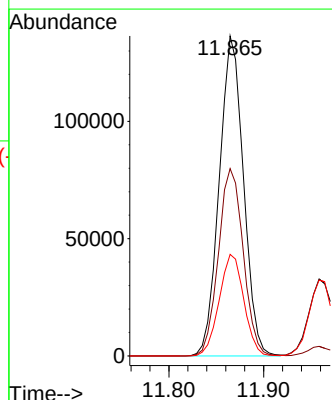
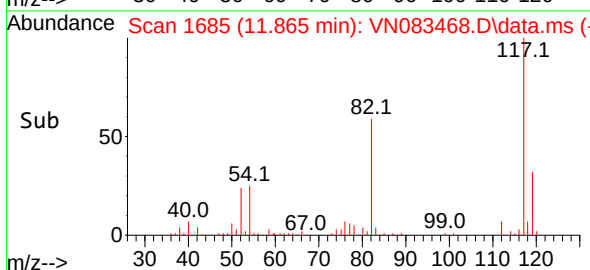
Reviewed By :John Carlone 08/26/2024
Supervised By :Semsettin Yesilyurt 08/26/2024

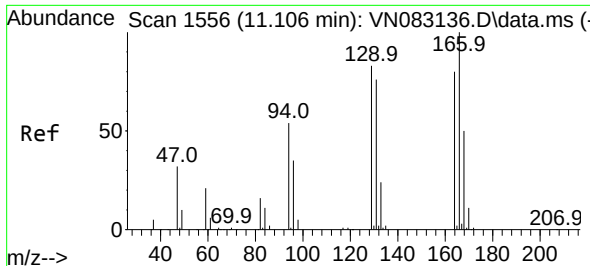


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN083468.D
Acq: 23 Aug 2024 18:21



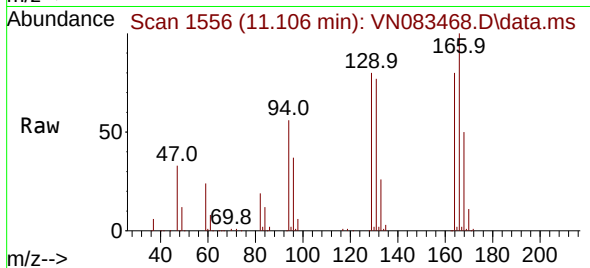
Tgt Ion:117 Resp: 242218
Ion Ratio Lower Upper
117 100
82 58.5 47.5 71.3
119 31.8 25.6 38.4





#64
Tetrachloroethene
Concen: 103.910 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. -0.000 min
Lab File: VN083468.D
Acq: 23 Aug 2024 18:21

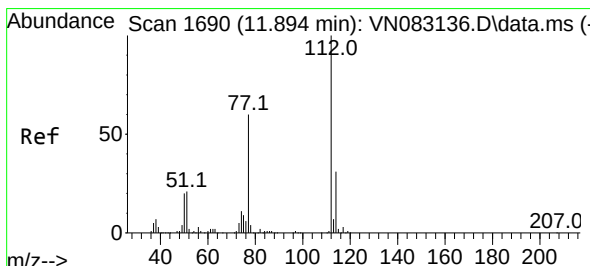
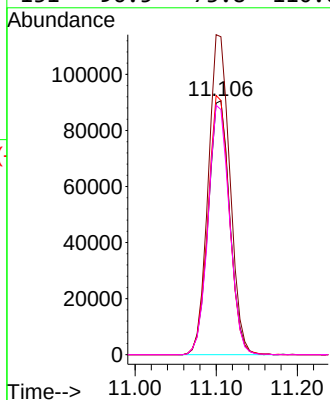
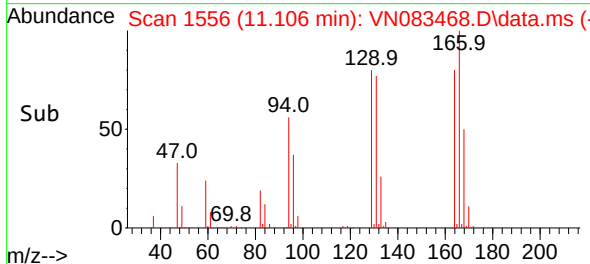
Instrument :
MSVOA_N
ClientSampleId :
1049-MW-02(23.8)MS



Tgt Ion:164 Resp: 166688
Ion Ratio Lower Upper
164 100
166 125.2 101.4 152.0
129 100.1 75.7 113.5
131 96.5 73.8 110.6

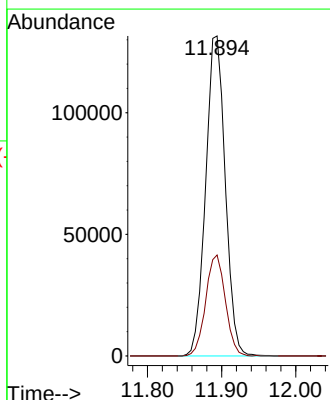
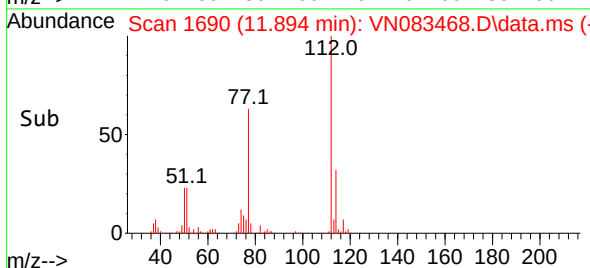
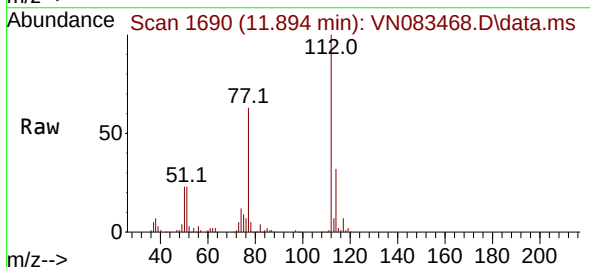
Manual Integrations
APPROVED

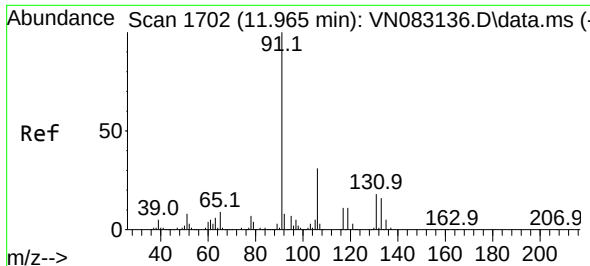
Reviewed By :John Carlone 08/26/2024
Supervised By :Semsettin Yesilyurt 08/26/2024



#65
Chlorobenzene
Concen: 45.074 ug/l
RT: 11.894 min Scan# 1690
Delta R.T. -0.000 min
Lab File: VN083468.D
Acq: 23 Aug 2024 18:21

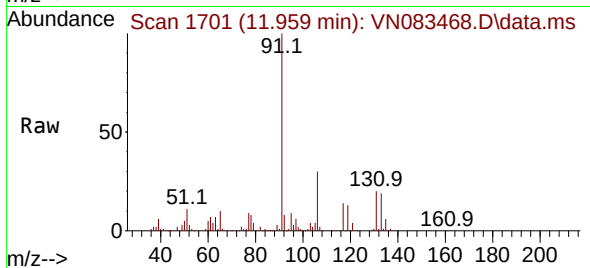
Tgt Ion:112 Resp: 241266
Ion Ratio Lower Upper
112 100
114 31.5 26.2 39.2





#66
1,1,1,2-Tetrachloroethane
Concen: 46.444 ug/l
RT: 11.959 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN083468.D
Acq: 23 Aug 2024 18:21

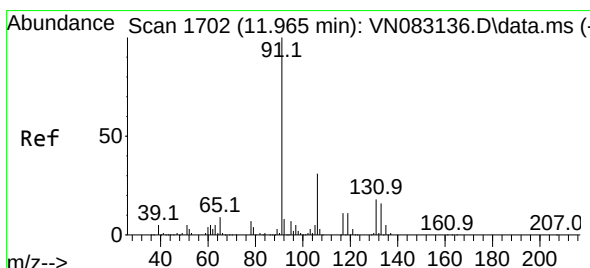
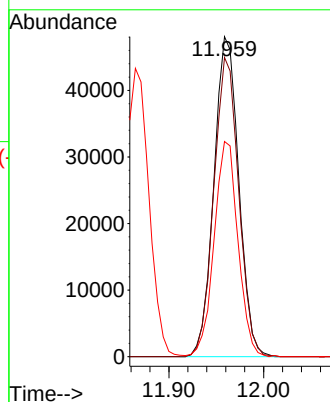
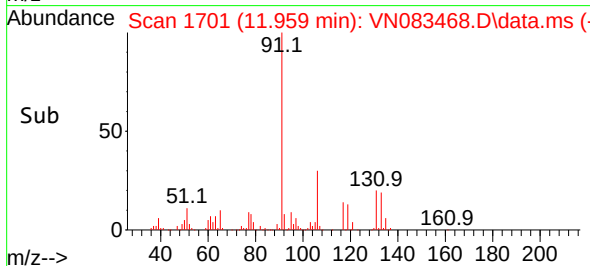
Instrument :
MSVOA_N
ClientSampleId :
1049-MW-02(23.8)MS



Tgt Ion:131 Resp: 8767
Ion Ratio Lower Upper
131 100
133 93.7 47.3 142.0
119 64.7 32.5 97.4

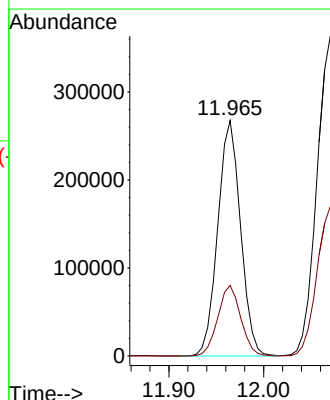
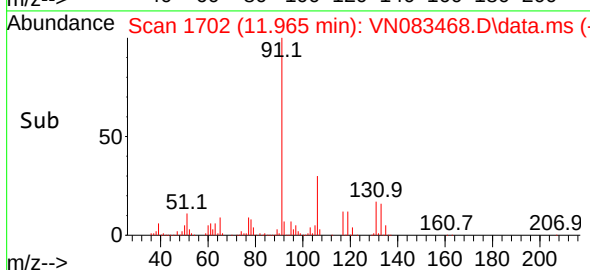
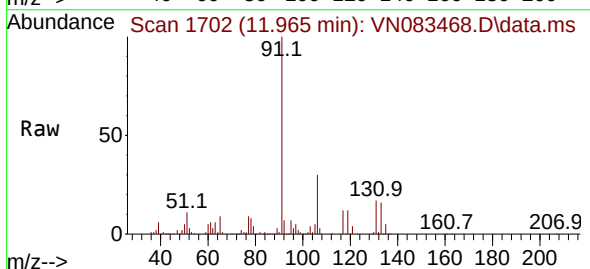
Manual Integrations
APPROVED

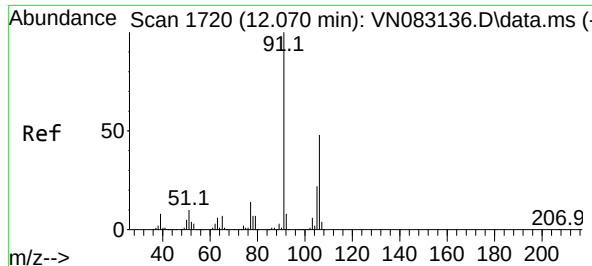
Reviewed By :John Carlone 08/26/2024
Supervised By :Semsettin Yesilyurt 08/26/2024



#67
Ethyl Benzene
Concen: 45.511 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. -0.000 min
Lab File: VN083468.D
Acq: 23 Aug 2024 18:21

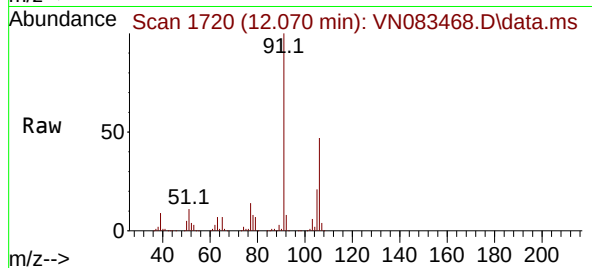
Tgt Ion: 91 Resp: 446888
Ion Ratio Lower Upper
91 100
106 30.0 24.0 36.0





#68
m/p-Xylenes
Concen: 92.253 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN083468.D
Acq: 23 Aug 2024 18:21

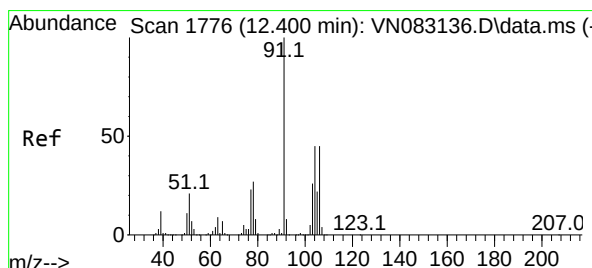
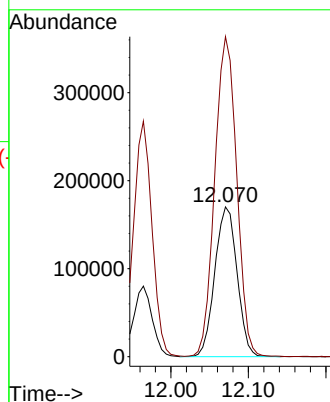
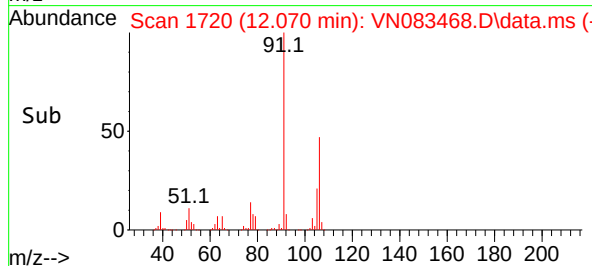
Instrument :
MSVOA_N
ClientSampleId :
1049-MW-02(23.8)MS



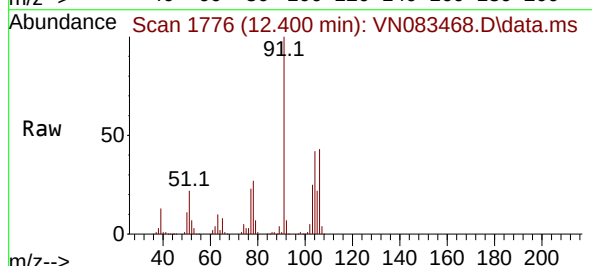
Tgt Ion:106 Resp: 33933
Ion Ratio Lower Upper
106 100
91 211.0 166.1 249.1

Manual Integrations
APPROVED

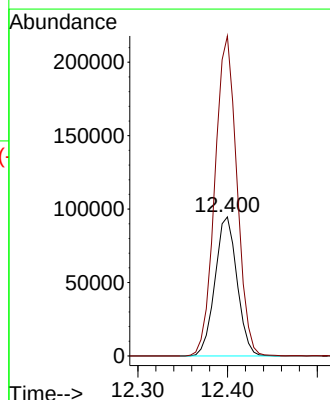
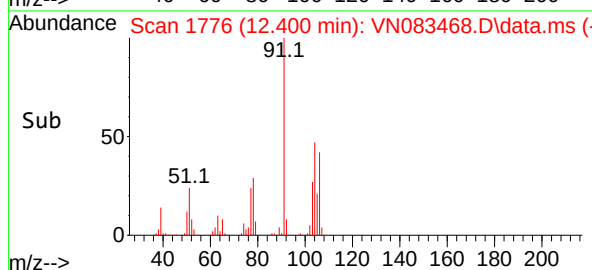
Reviewed By :John Carlone 08/26/2024
Supervised By :Semsettin Yesilyurt 08/26/2024

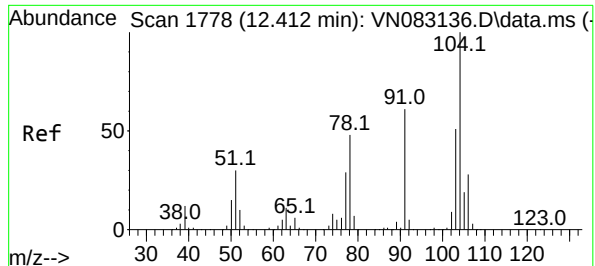


#69
o-Xylene
Concen: 44.539 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. -0.000 min
Lab File: VN083468.D
Acq: 23 Aug 2024 18:21



Tgt Ion:106 Resp: 161578
Ion Ratio Lower Upper
106 100
91 229.2 111.3 333.9





#70

Styrene

Concen: 45.018 ug/l

RT: 12.412 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN083468.D

Acq: 23 Aug 2024 18:21

Instrument :

MSVOA_N

ClientSampleId :

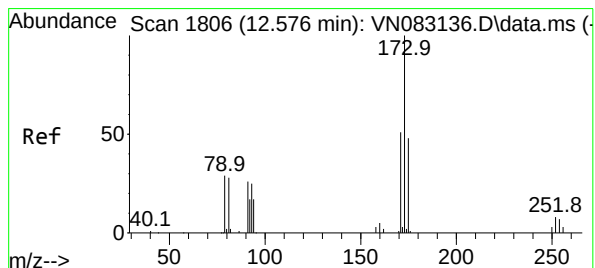
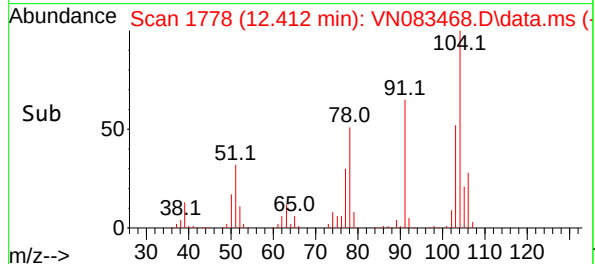
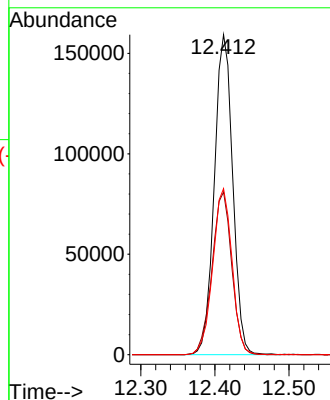
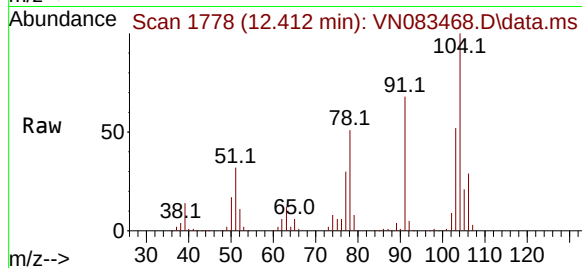
1049-MW-02(23.8)MS

Tgt Ion	104	Resp:	27429
Ion	Ratio	Lower	Upper
104	100		
78	54.6	41.6	62.4
103	54.5	44.0	66.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/26/2024

Supervised By :Semsettin Yesilyurt 08/26/2024



#71

Bromoform

Concen: 44.876 ug/l

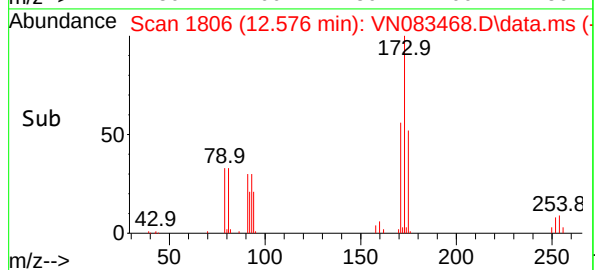
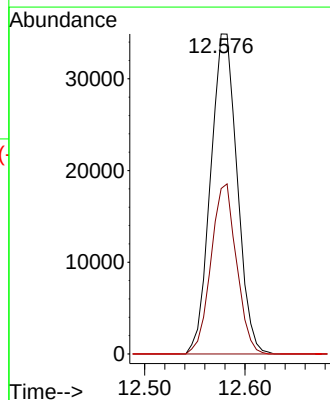
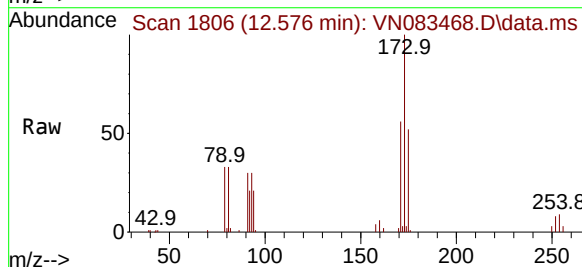
RT: 12.576 min Scan# 1806

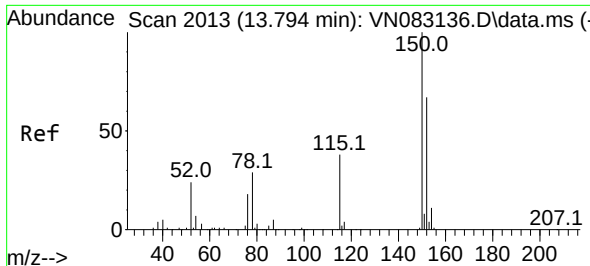
Delta R.T. -0.000 min

Lab File: VN083468.D

Acq: 23 Aug 2024 18:21

Tgt Ion	173	Resp:	64179
Ion	Ratio	Lower	Upper
173	100		
175	50.9	24.0	72.0
254	0.0	0.0	0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. -0.000 min

Lab File: VN083468.D

Acq: 23 Aug 2024 18:21

Instrument :

MSVOA_N

ClientSampleId :

1049-MW-02(23.8)MS

Tgt Ion:152 Resp: 128915

Ion Ratio Lower Upper

152 100

115 64.5 30.6 91.6

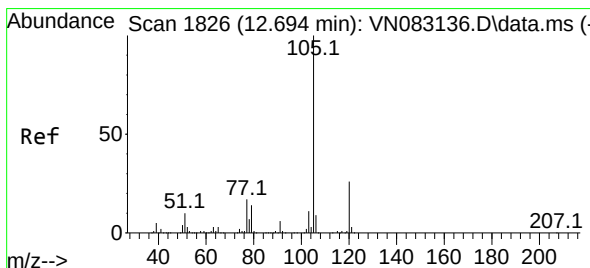
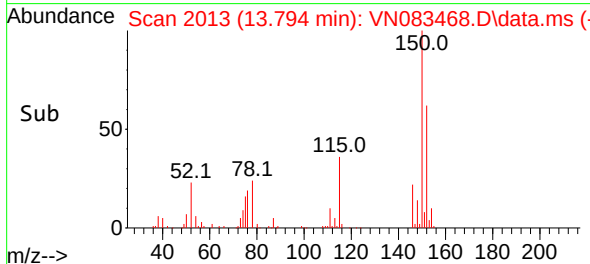
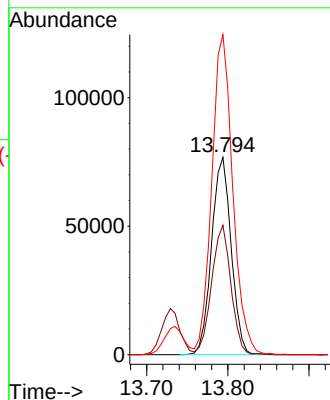
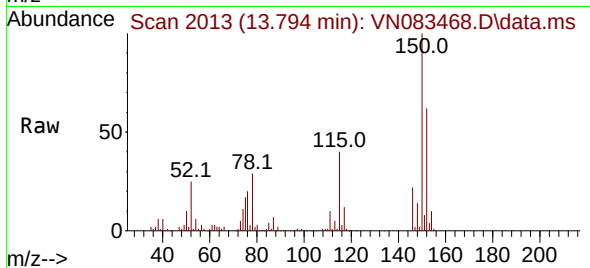
150 173.5 0.0 348.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/26/2024

Supervised By :Semsettin Yesilyurt 08/26/2024



#73

Isopropylbenzene

Concen: 39.670 ug/l

RT: 12.694 min Scan# 1826

Delta R.T. -0.000 min

Lab File: VN083468.D

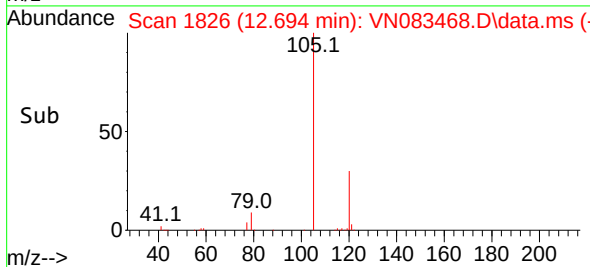
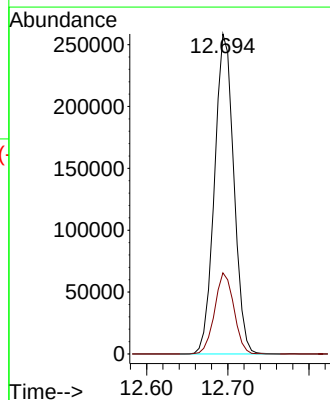
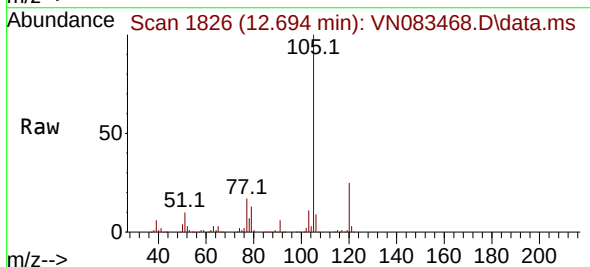
Acq: 23 Aug 2024 18:21

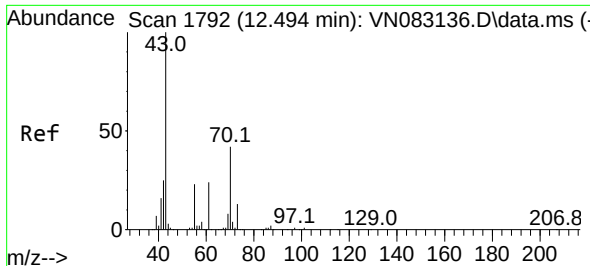
Tgt Ion:105 Resp: 427755

Ion Ratio Lower Upper

105 100

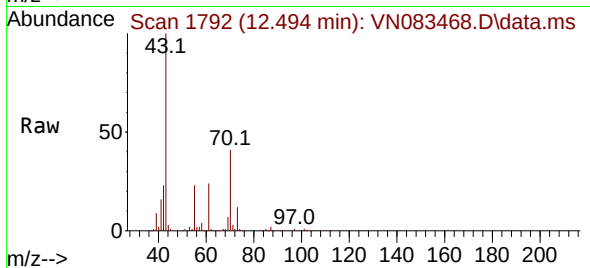
120 25.2 12.9 38.6





#74
N-amy1 acetate
Concen: 35.651 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN083468.D
Acq: 23 Aug 2024 18:21

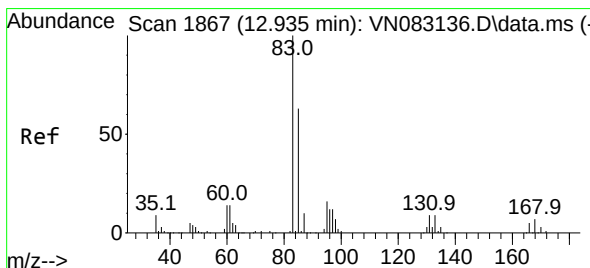
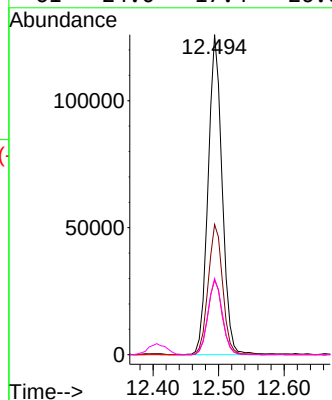
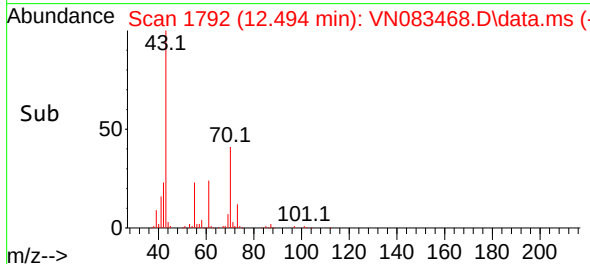
Instrument :
MSVOA_N
ClientSampleId :
1049-MW-02(23.8)MS



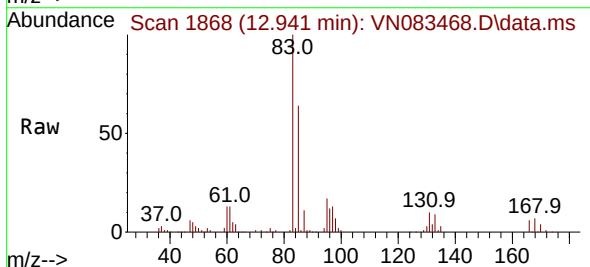
Tgt Ion: 43 Resp: 188032
Ion Ratio Lower Upper
43 100
70 41.7 29.8 44.6
55 23.9 18.7 28.1
61 24.0 17.4 26.0

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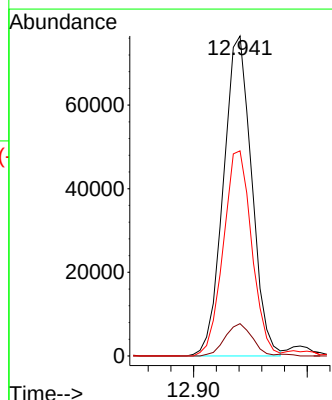
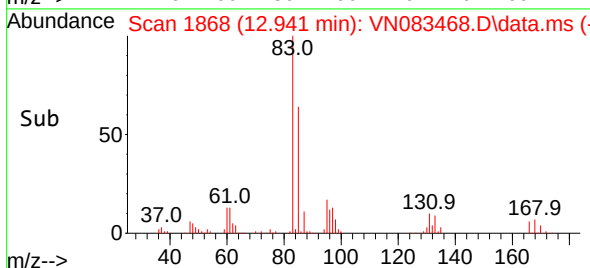
Reviewed By :John Carlone 08/26/2024
Supervised By :Semsettin Yesilyurt 08/26/2024

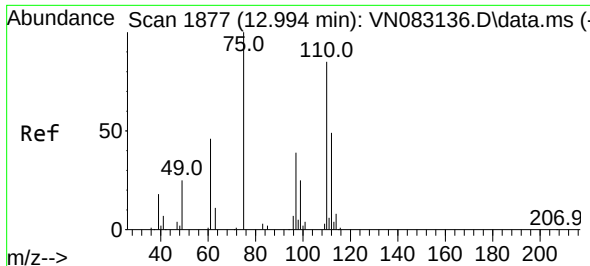


#75
1,1,2,2-Tetrachloroethane
Concen: 43.409 ug/l
RT: 12.941 min Scan# 1868
Delta R.T. 0.006 min
Lab File: VN083468.D
Acq: 23 Aug 2024 18:21



Tgt Ion: 83 Resp: 132386
Ion Ratio Lower Upper
83 100
131 10.0 5.0 14.9
85 64.5 31.9 95.7





#76

1,2,3-Trichloropropane

Concen: 41.565 ug/l m

RT: 12.994 min Scan# 1877

Delta R.T. -0.000 min

Lab File: VN083468.D

Acq: 23 Aug 2024 18:21

Instrument :

MSVOA_N

ClientSampleId :

1049-MW-02(23.8)MS

Tgt Ion: 75 Resp: 11760

Ion Ratio Lower Upper

75 100

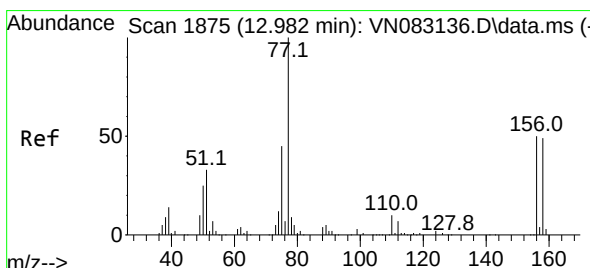
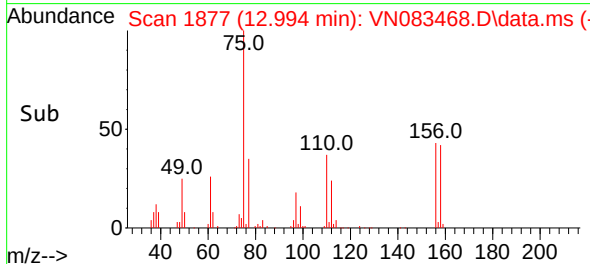
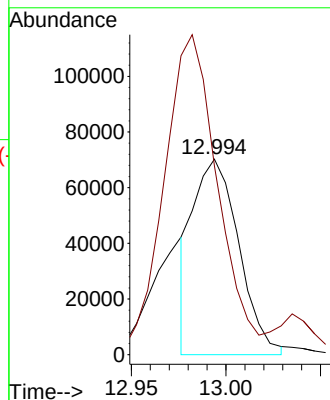
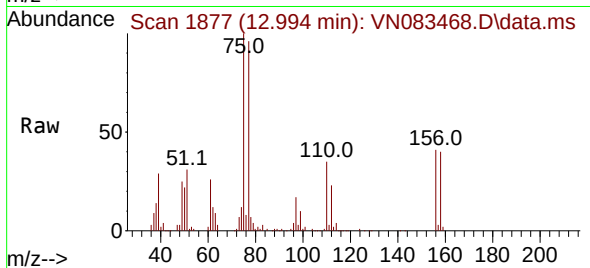
77 192.5 110.9 332.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/26/2024

Supervised By :Semsettin Yesilyurt 08/26/2024



#77

Bromobenzene

Concen: 40.503 ug/l

RT: 12.982 min Scan# 1875

Delta R.T. -0.000 min

Lab File: VN083468.D

Acq: 23 Aug 2024 18:21

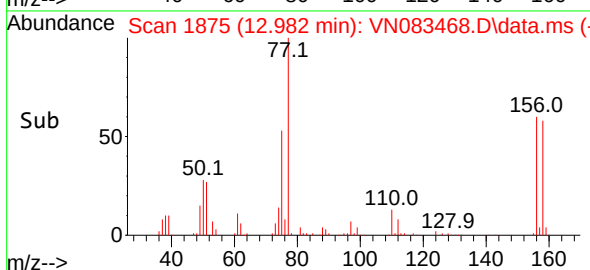
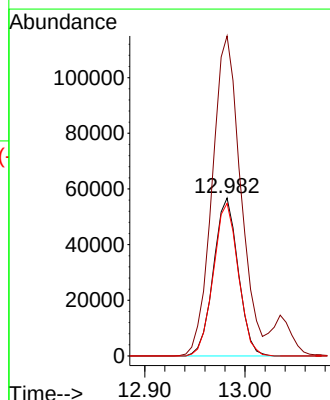
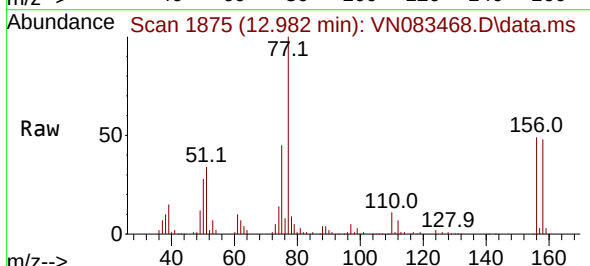
Tgt Ion:156 Resp: 97016

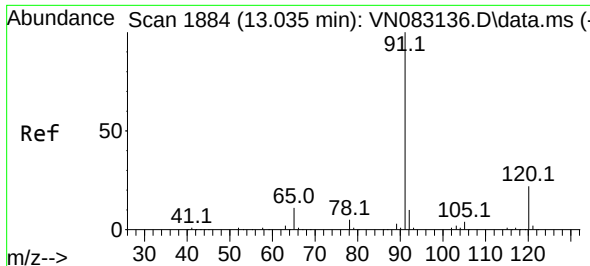
Ion Ratio Lower Upper

156 100

77 233.4 111.3 333.8

158 97.4 48.3 144.9





#78

n-propylbenzene

Concen: 39.364 ug/l

RT: 13.035 min Scan# 1884

Delta R.T. -0.000 min

Lab File: VN083468.D

Acq: 23 Aug 2024 18:21

Instrument :

MSVOA_N

ClientSampleId :

1049-MW-02(23.8)MS

Tgt Ion: 91 Resp: 48875

Ion Ratio Lower Upper

91 100

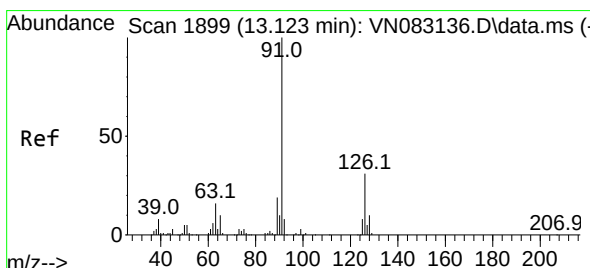
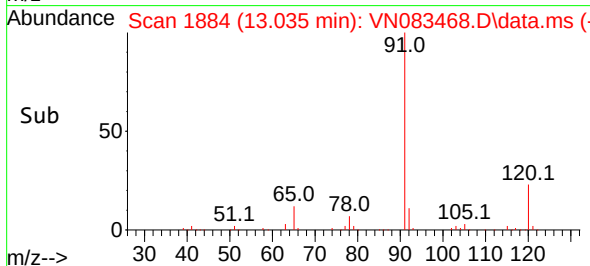
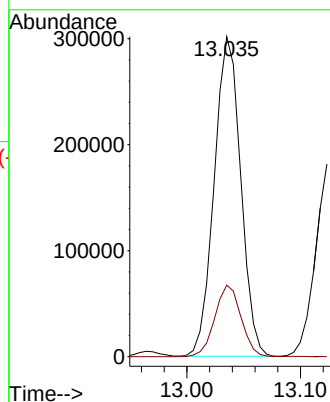
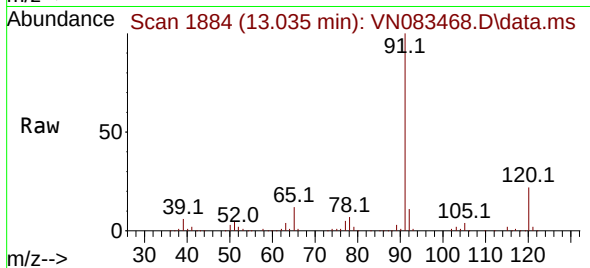
120 22.1 10.9 32.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/26/2024

Supervised By :Semsettin Yesilyurt 08/26/2024



#79

2-Chlorotoluene

Concen: 39.908 ug/l

RT: 13.123 min Scan# 1899

Delta R.T. -0.000 min

Lab File: VN083468.D

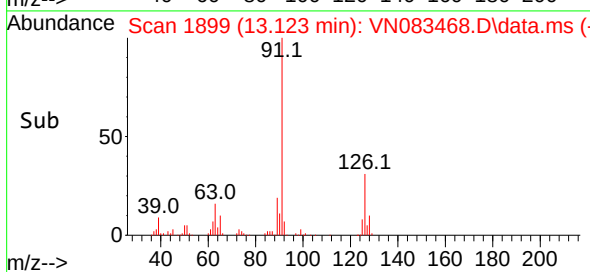
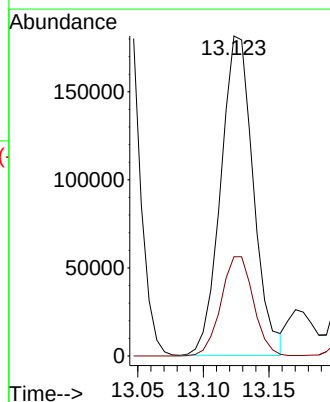
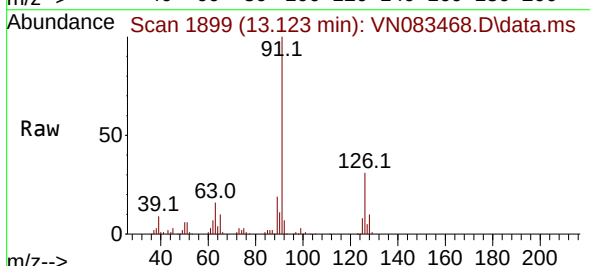
Acq: 23 Aug 2024 18:21

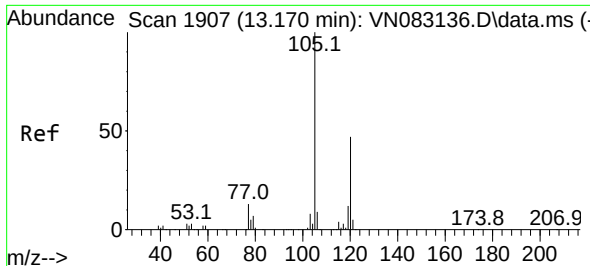
Tgt Ion: 91 Resp: 314144

Ion Ratio Lower Upper

91 100

126 30.8 16.2 48.6





#80

1,3,5-Trimethylbenzene

Concen: 39.574 ug/l

RT: 13.170 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VN083468.D

Acq: 23 Aug 2024 18:21

Instrument :

MSVOA_N

ClientSampleId :

1049-MW-02(23.8)MS

Tgt Ion:105 Resp: 35724

Ion Ratio Lower Upper

105 100

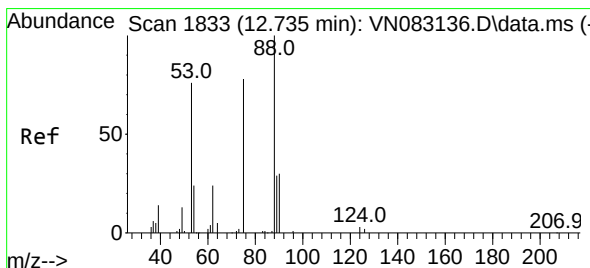
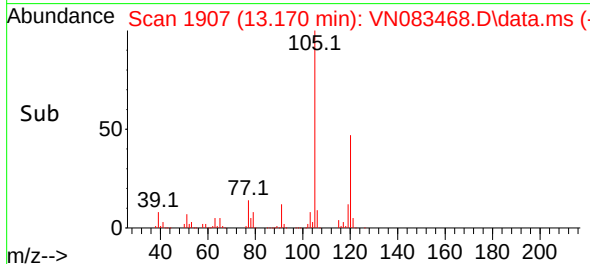
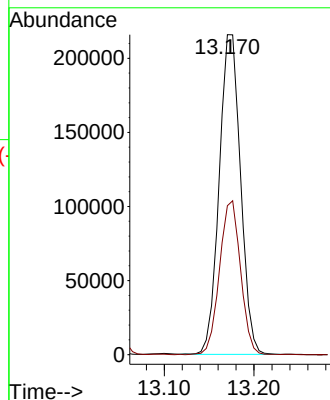
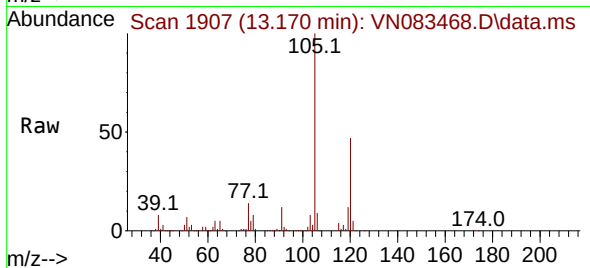
120 47.3 24.3 72.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/26/2024

Supervised By :Semsettin Yesilyurt 08/26/2024



#81

trans-1,4-Dichloro-2-butene

Concen: 33.277 ug/l

RT: 12.735 min Scan# 1833

Delta R.T. -0.000 min

Lab File: VN083468.D

Acq: 23 Aug 2024 18:21

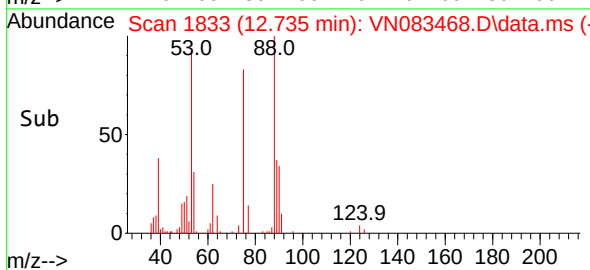
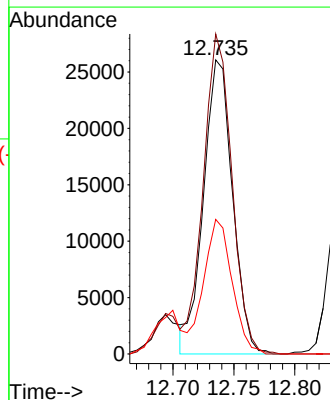
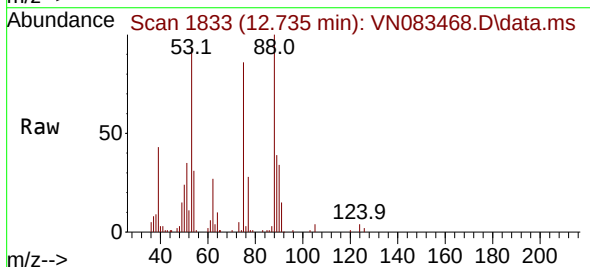
Tgt Ion: 75 Resp: 43284

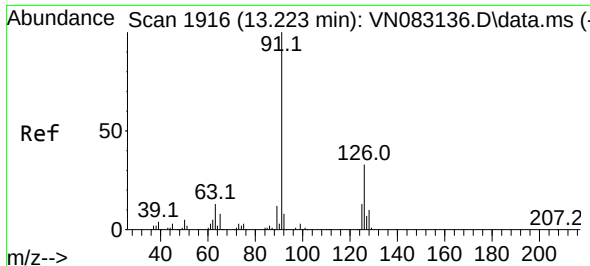
Ion Ratio Lower Upper

75 100

53 107.5 88.4 132.6

89 44.4 36.3 54.5





#82

4-Chlorotoluene

Concen: 39.593 ug/l

RT: 13.223 min Scan# 1916

Delta R.T. -0.000 min

Lab File: VN083468.D

Acq: 23 Aug 2024 18:21

Instrument :

MSVOA_N

ClientSampleId :

1049-MW-02(23.8)MS

Tgt Ion: 91 Resp: 31262

Ion Ratio Lower Upper

91 100

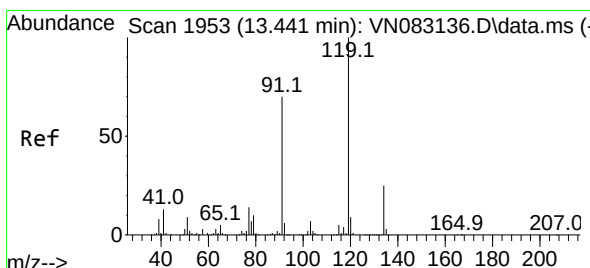
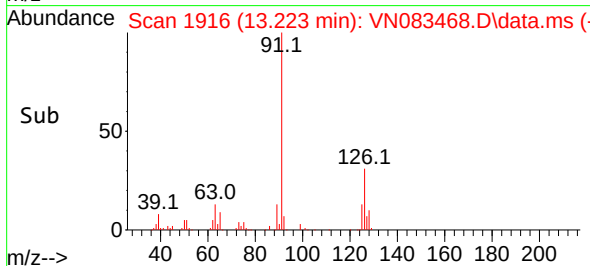
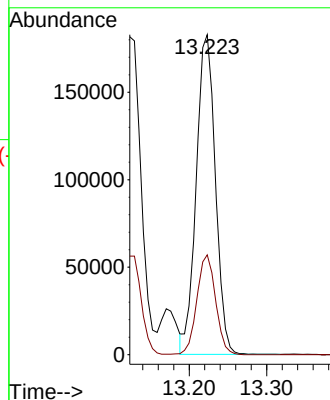
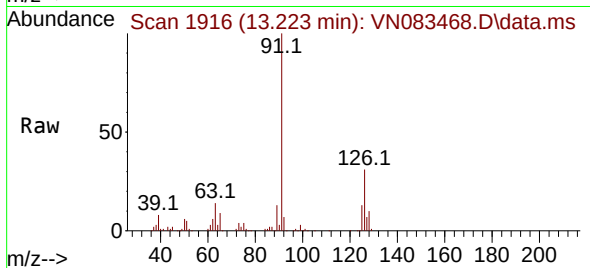
126 30.7 16.2 48.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/26/2024

Supervised By :Semsettin Yesilyurt 08/26/2024



#83

tert-Butylbenzene

Concen: 39.455 ug/l

RT: 13.441 min Scan# 1953

Delta R.T. -0.000 min

Lab File: VN083468.D

Acq: 23 Aug 2024 18:21

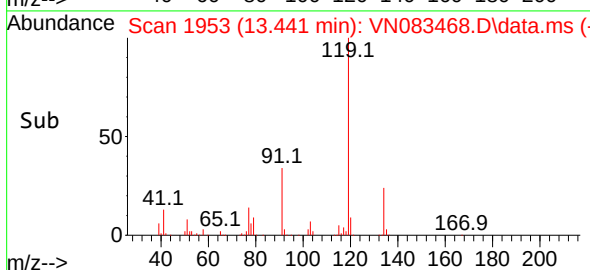
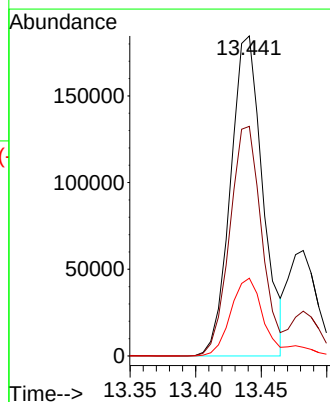
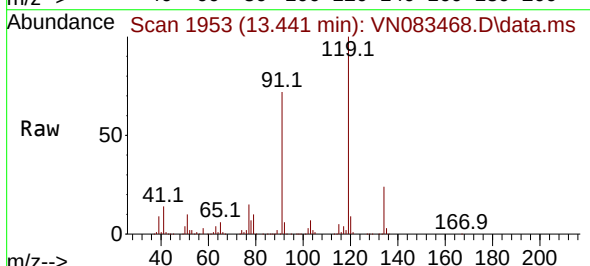
Tgt Ion:119 Resp: 315423

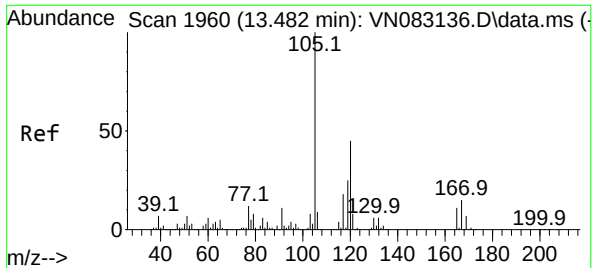
Ion Ratio Lower Upper

119 100

91 71.0 35.0 105.1

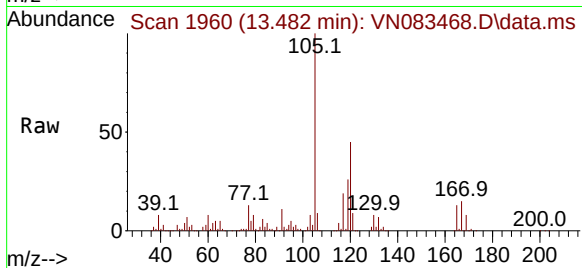
134 26.5 13.3 39.8





#84
1,2,4-Trimethylbenzene
Concen: 40.345 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN083468.D
Acq: 23 Aug 2024 18:21

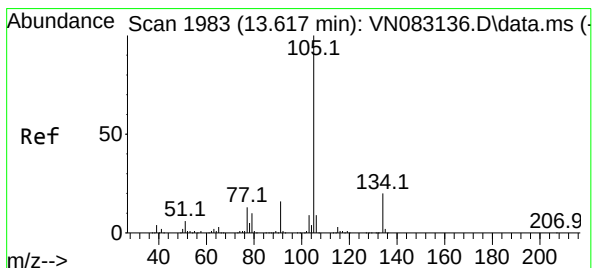
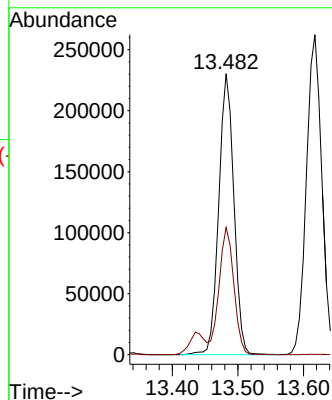
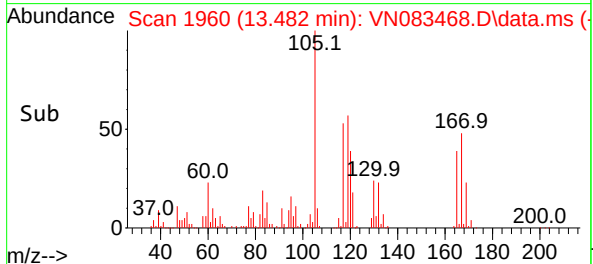
Instrument :
MSVOA_N
ClientSampleId :
1049-MW-02(23.8)MS



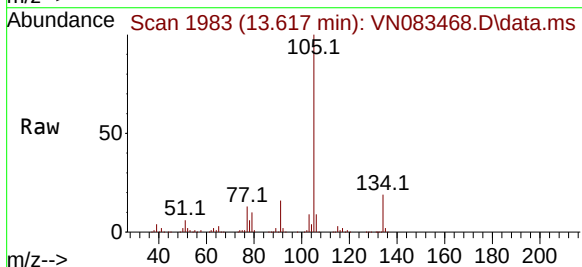
Tgt Ion:105 Resp: 36704
Ion Ratio Lower Upper
105 100
120 44.6 21.9 65.8

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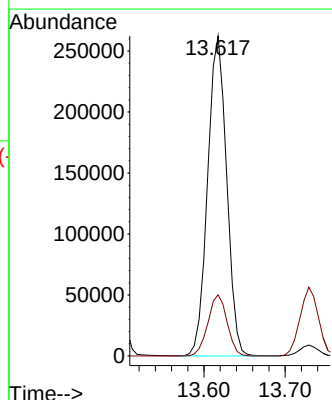
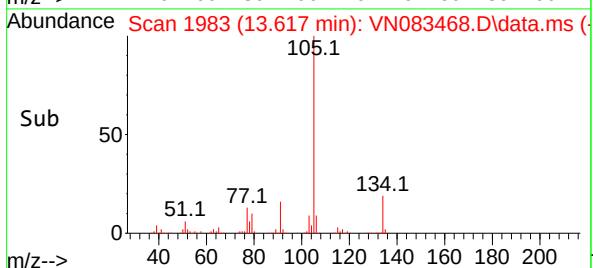
Reviewed By :John Carlone 08/26/2024
Supervised By :Semsettin Yesilyurt 08/26/2024

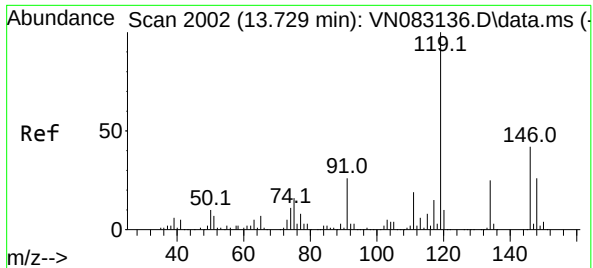


#85
sec-Butylbenzene
Concen: 39.121 ug/l
RT: 13.617 min Scan# 1983
Delta R.T. -0.000 min
Lab File: VN083468.D
Acq: 23 Aug 2024 18:21



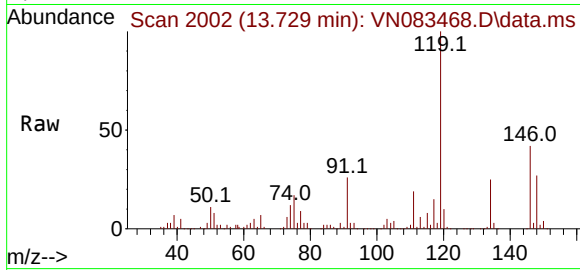
Tgt Ion:105 Resp: 426760
Ion Ratio Lower Upper
105 100
134 19.2 9.8 29.3





#86
p-Isopropyltoluene
Concen: 39.377 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN083468.D
Acq: 23 Aug 2024 18:21

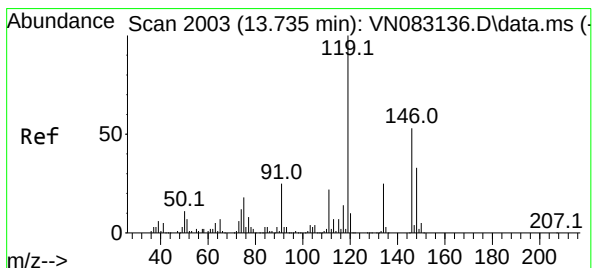
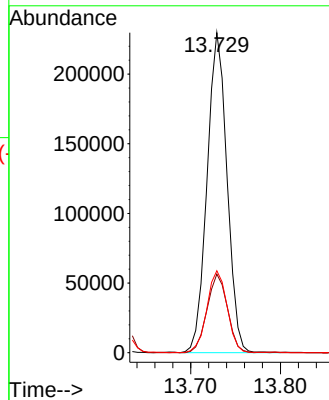
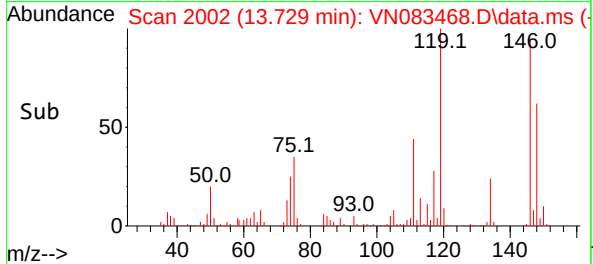
Instrument :
MSVOA_N
ClientSampleId :
1049-MW-02(23.8)MS



Tgt Ion:119 Resp: 35467
Ion Ratio Lower Upper
119 100
134 25.0 13.0 39.0
91 25.9 12.3 36.9

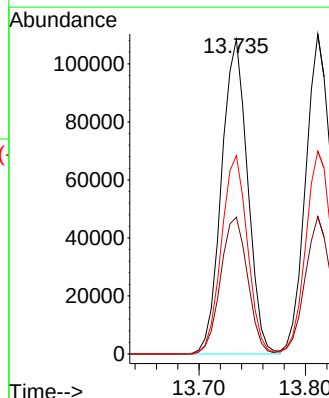
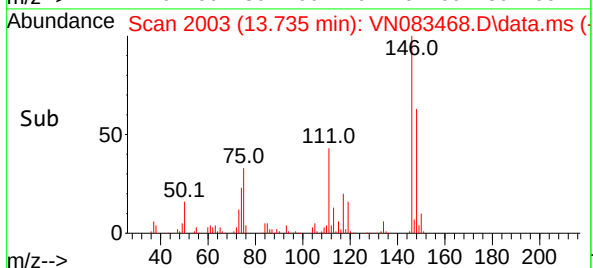
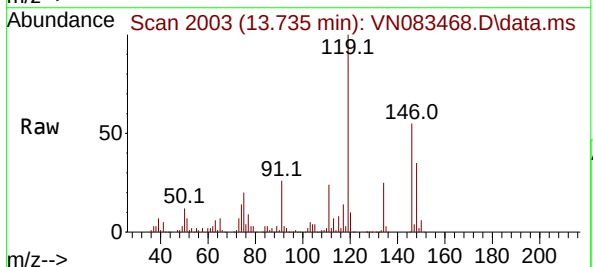
Manual Integrations
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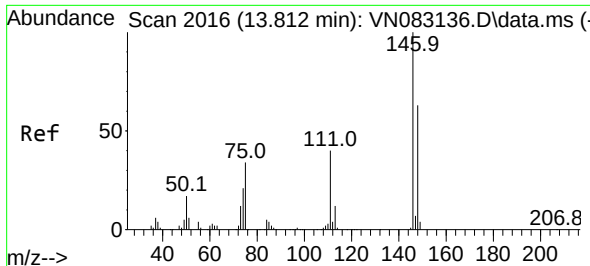
Reviewed By :John Carlone 08/26/2024
Supervised By :Semsettin Yesilyurt 08/26/2024



#87
1,3-Dichlorobenzene
Concen: 40.847 ug/l
RT: 13.735 min Scan# 2003
Delta R.T. -0.000 min
Lab File: VN083468.D
Acq: 23 Aug 2024 18:21

Tgt Ion:146 Resp: 184100
Ion Ratio Lower Upper
146 100
111 44.9 20.6 61.9
148 62.8 31.8 95.3





#88

1,4-Dichlorobenzene

Concen: 40.488 ug/l

RT: 13.811 min Scan# 2016

Delta R.T. -0.000 min

Lab File: VN083468.D

Acq: 23 Aug 2024 18:21

Instrument :

MSVOA_N

ClientSampleId :

1049-MW-02(23.8)MS

Tgt Ion:146 Resp: 183970

Ion Ratio Lower Upper

146 100

111 42.5 20.1 60.3

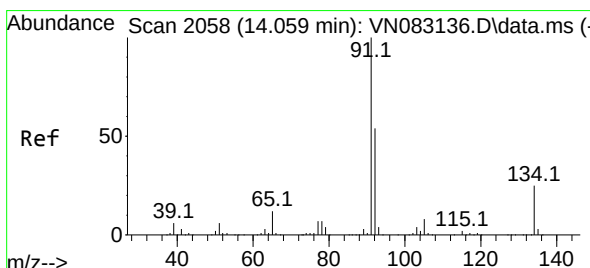
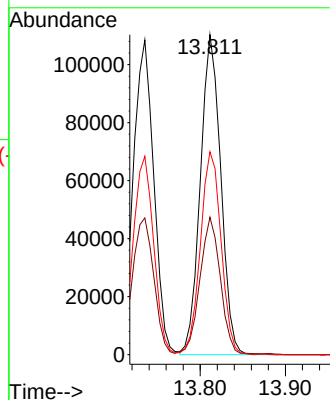
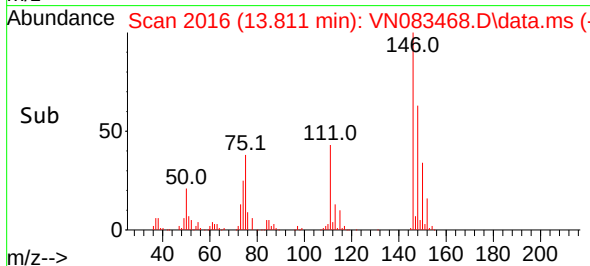
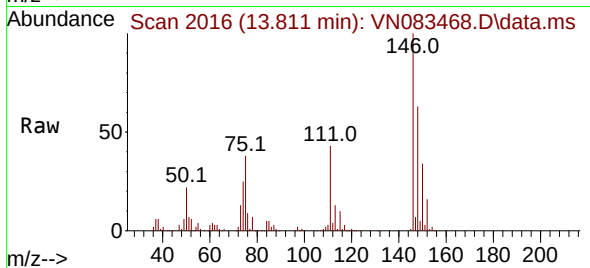
148 64.0 32.2 96.6

Manual Integrations

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Supervised By :Semsettin Yesilyurt 08/26/2024



#89

n-Butylbenzene

Concen: 37.754 ug/l

RT: 14.059 min Scan# 2058

Delta R.T. -0.000 min

Lab File: VN083468.D

Acq: 23 Aug 2024 18:21

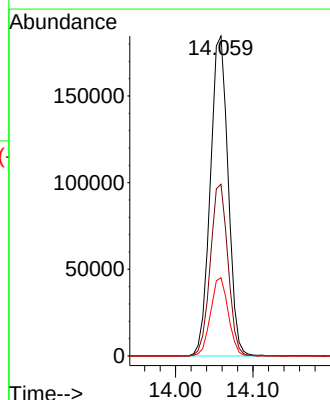
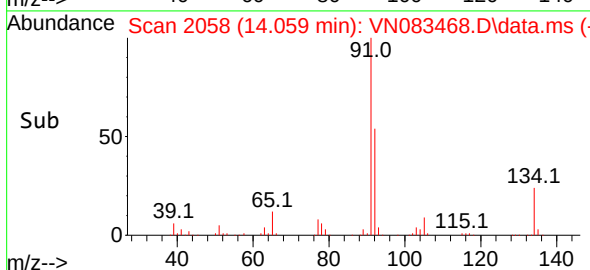
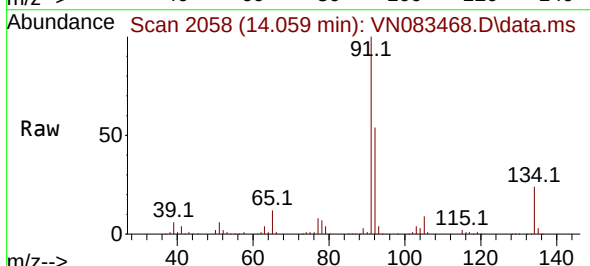
Tgt Ion: 91 Resp: 294650

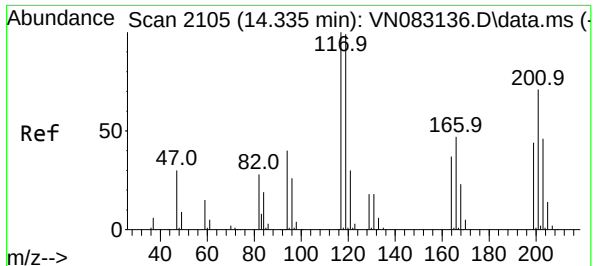
Ion Ratio Lower Upper

91 100

92 53.2 26.1 78.3

134 24.3 12.1 36.3





#90

Hexachloroethane

Concen: 39.456 ug/l

RT: 14.335 min Scan# 2105

Delta R.T. -0.000 min

Lab File: VN083468.D

Acq: 23 Aug 2024 18:21

Instrument :

MSVOA_N

ClientSampleId :

1049-MW-02(23.8)MS

Tgt Ion:117 Resp: 68659

Ion Ratio Lower Upper

117 100

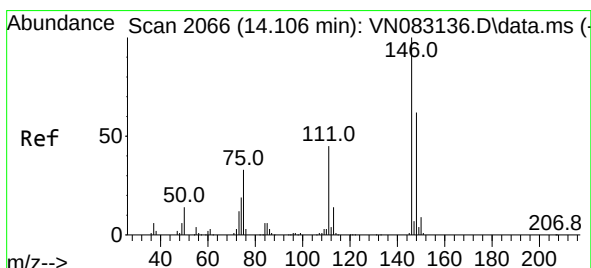
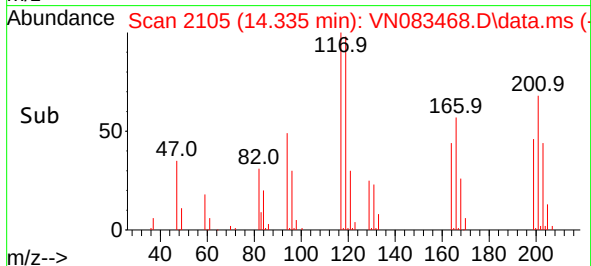
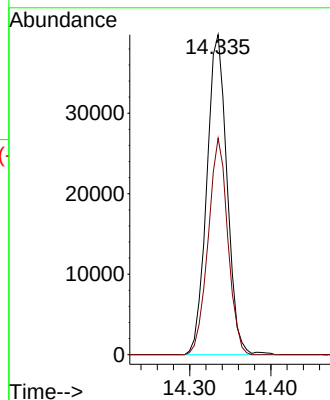
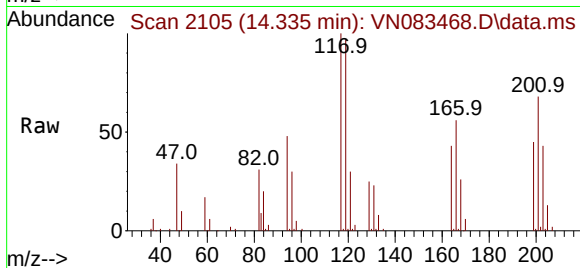
201 65.8 35.8 107.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/26/2024

Supervised By :Semsettin Yesilyurt 08/26/2024



#91

1,2-Dichlorobenzene

Concen: 42.819 ug/l

RT: 14.106 min Scan# 2066

Delta R.T. -0.000 min

Lab File: VN083468.D

Acq: 23 Aug 2024 18:21

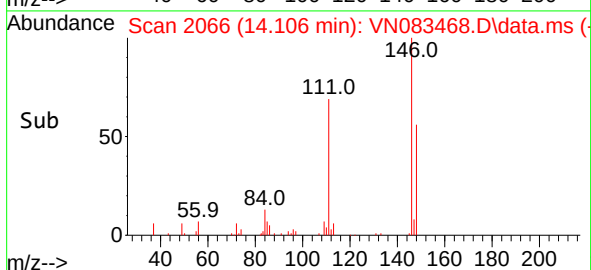
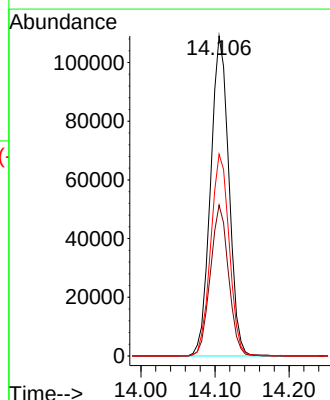
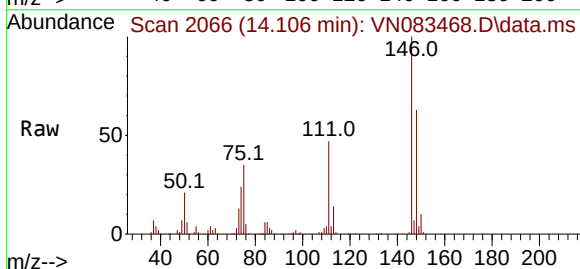
Tgt Ion:146 Resp: 186756

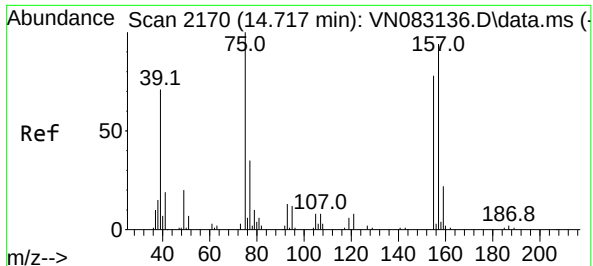
Ion Ratio Lower Upper

146 100

111 46.6 21.4 64.2

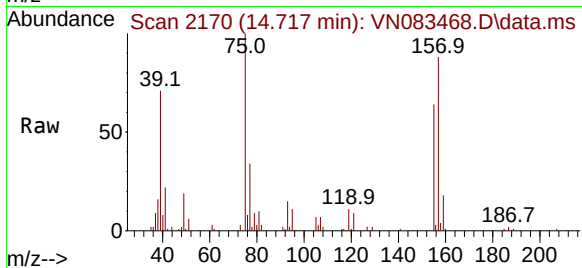
148 63.9 32.1 96.5





#92
1,2-Dibromo-3-Chloropropane
Concen: 40.114 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN083468.D
Acq: 23 Aug 2024 18:21

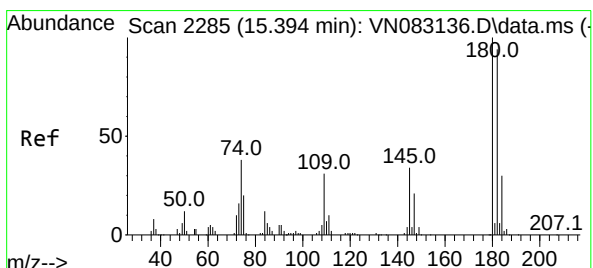
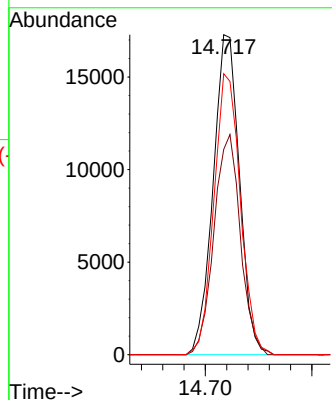
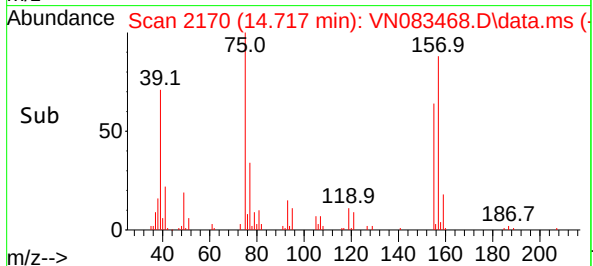
Instrument :
MSVOA_N
ClientSampleId :
1049-MW-02(23.8)MS



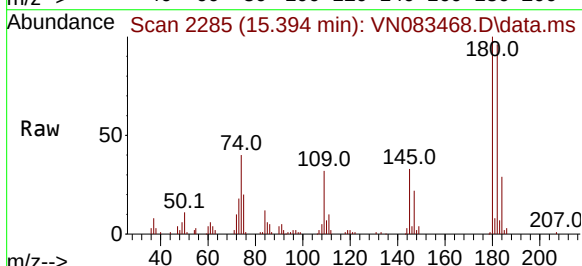
Tgt Ion: 75 Resp: 29680
Ion Ratio Lower Upper
75 100
155 69.1 36.6 109.8
157 88.2 46.9 140.6

Manual Integrations
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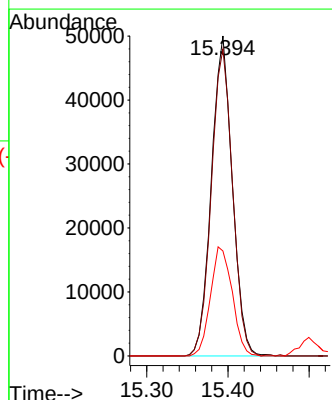
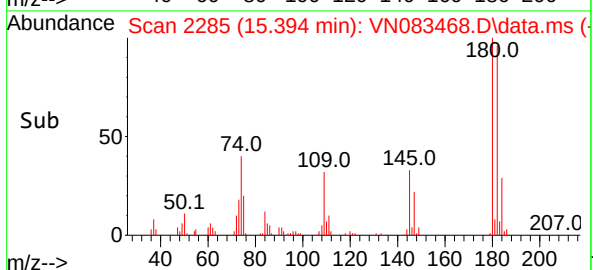
Reviewed By :John Carlone 08/26/2024
Supervised By :Semsettin Yesilyurt 08/26/2024

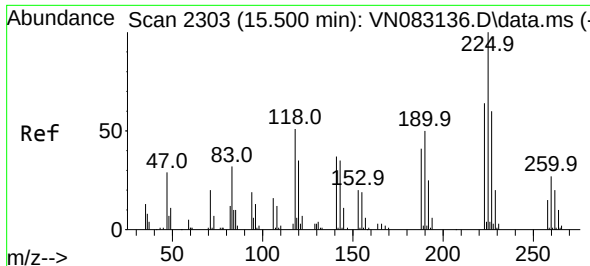


#93
1,2,4-Trichlorobenzene
Concen: 36.600 ug/l
RT: 15.394 min Scan# 2285
Delta R.T. -0.000 min
Lab File: VN083468.D
Acq: 23 Aug 2024 18:21



Tgt Ion:180 Resp: 89431
Ion Ratio Lower Upper
180 100
182 97.5 47.3 141.8
145 35.4 15.7 47.1





#94

Hexachlorobutadiene

Concen: 36.152 ug/l

RT: 15.500 min Scan# 2303

Delta R.T. -0.000 min

Lab File: VN083468.D

Acq: 23 Aug 2024 18:21

Instrument :

MSVOA_N

ClientSampleId :

1049-MW-02(23.8)MS

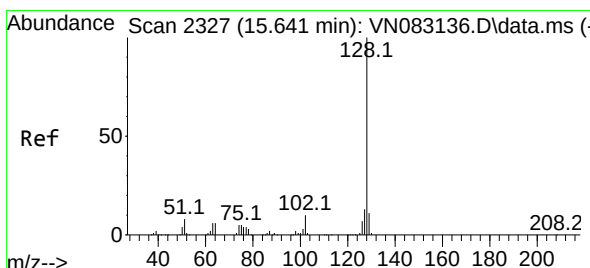
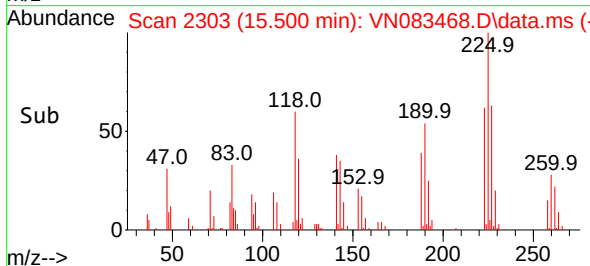
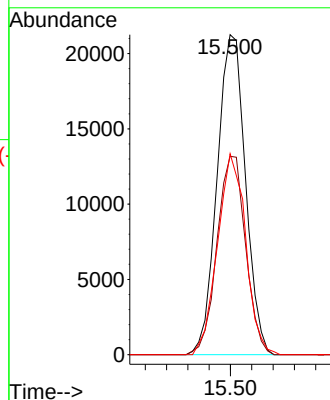
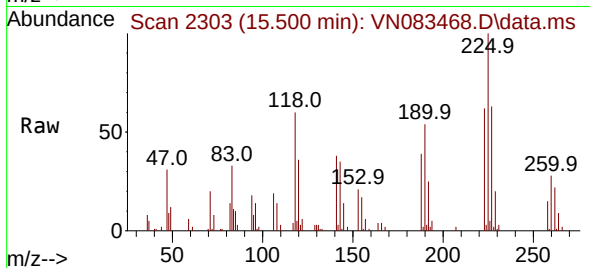
Tgt Ion:	225	Resp:	39280
Ion Ratio	Lower	Upper	
225	100		
223	62.6	31.9	95.7
227	62.3	32.5	97.5

Manual Integrations

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Reviewed By :John Carlone 08/26/2024

Supervised By :Semsettin Yesilyurt 08/26/2024



#95

Naphthalene

Concen: 37.158 ug/l

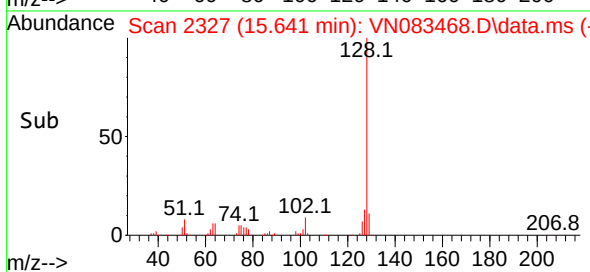
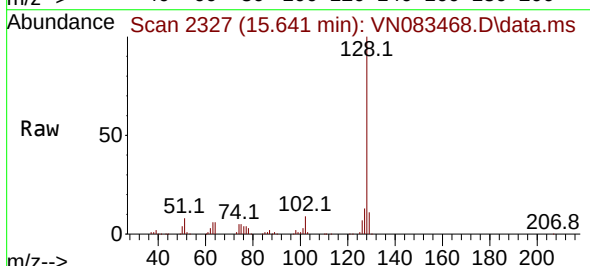
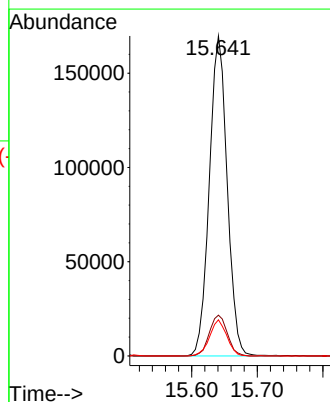
RT: 15.641 min Scan# 2327

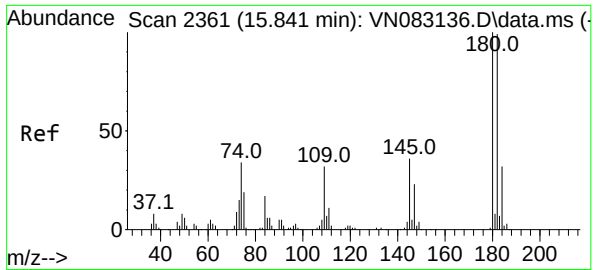
Delta R.T. -0.000 min

Lab File: VN083468.D

Acq: 23 Aug 2024 18:21

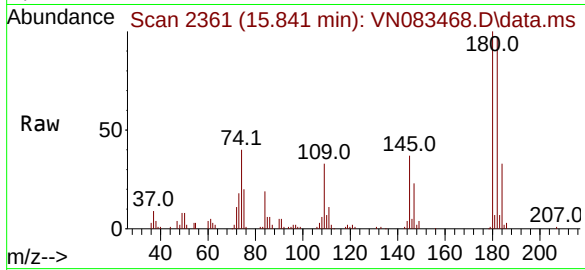
Tgt Ion:	128	Resp:	321609
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.6	16.0
129	10.9	8.6	12.8





#96
1,2,3-Trichlorobenzene
Concen: 37.567 ug/l
RT: 15.841 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN083468.D
Acq: 23 Aug 2024 18:21

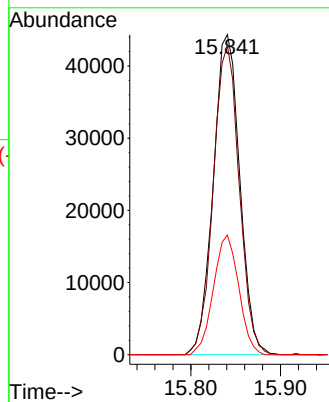
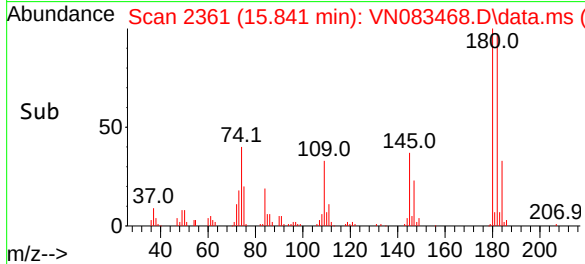
Instrument :
MSVOA_N
ClientSampleId :
1049-MW-02(23.8)MS



Tgt Ion:180 Resp: 9082
Ion Ratio Lower Upper
180 100
182 94.7 48.9 146.8
145 35.7 16.8 50.4

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/26/2024
Supervised By :Semsettin Yesilyurt 08/26/2024



Report of Analysis

Client:	Day Environmental, Inc.		Date Collected:	08/20/24	
Project:	NYSDEC Andrews St Site #E828144		Date Received:	08/22/24	
Client Sample ID:	1049-MW-02(23.8)MSD		SDG No.:	P3716	
Lab Sample ID:	P3716-04MSD		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
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	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN083469.D	1		08/23/24 18:45	VN082324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	46.9		0.21	1.00	ug/L
74-87-3	Chloromethane	47.7		0.35	1.00	ug/L
75-01-4	Vinyl Chloride	53.4		0.34	1.00	ug/L
74-83-9	Bromomethane	40.8		1.40	5.00	ug/L
75-00-3	Chloroethane	53.0		0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	50.3		0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	50.3		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	46.6		0.26	1.00	ug/L
67-64-1	Acetone	220		1.40	5.00	ug/L
75-15-0	Carbon Disulfide	39.6		0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	48.9		0.16	1.00	ug/L
79-20-9	Methyl Acetate	49.6		0.60	1.00	ug/L
75-09-2	Methylene Chloride	45.9		0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	46.9		0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	50.8		0.23	1.00	ug/L
110-82-7	Cyclohexane	42.9		1.60	5.00	ug/L
78-93-3	2-Butanone	230		1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	48.4		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	78.0		0.25	1.00	ug/L
74-97-5	Bromochloromethane	53.9		0.18	1.00	ug/L
67-66-3	Chloroform	51.6		0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	50.2		0.19	1.00	ug/L
108-87-2	Methylcyclohexane	43.8		0.19	1.00	ug/L
71-43-2	Benzene	48.4		0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	50.6		0.24	1.00	ug/L
79-01-6	Trichloroethene	78.2		0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	49.8		0.19	1.00	ug/L
75-27-4	Bromodichloromethane	48.9		0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	240		0.75	5.00	ug/L
108-88-3	Toluene	48.4		0.18	1.00	ug/L

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	08/20/24
Project:	NYSDEC Andrews St Site #E828144	Date Received:	08/22/24
Client Sample ID:	1049-MW-02(23.8)MSD	SDG No.:	P3716
Lab Sample ID:	P3716-04MSD	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
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
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN083469.D	1		08/23/24 18:45	VN082324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	47.2		0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	45.1		0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	50.4		0.21	1.00	ug/L
591-78-6	2-Hexanone	240		1.10	5.00	ug/L
124-48-1	Dibromochloromethane	49.1		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	48.2		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	110	E	0.25	1.00	ug/L
108-90-7	Chlorobenzene	46.5		0.13	1.00	ug/L
100-41-4	Ethyl Benzene	47.2		0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	94.5		0.31	2.00	ug/L
95-47-6	o-Xylene	46.7		0.14	1.00	ug/L
100-42-5	Styrene	46.9		0.16	1.00	ug/L
75-25-2	Bromoform	47.0		0.21	1.00	ug/L
98-82-8	Isopropylbenzene	41.3		0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	46.2		0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	43.9		0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	43.5		0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	46.0		0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	41.1		0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	41.6		0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	41.3		0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	56.1		74 - 125	112%	SPK: 50
1868-53-7	Dibromofluoromethane	52.0		75 - 124	104%	SPK: 50
2037-26-5	Toluene-d8	51.6		86 - 113	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.3		77 - 121	107%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	156000	8.224			
540-36-3	1,4-Difluorobenzene	275000	9.1			
3114-55-4	Chlorobenzene-d5	243000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	126000	13.794			

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	08/20/24
Project:	NYSDEC Andrews St Site #E828144	Date Received:	08/22/24
Client Sample ID:	1049-MW-02(23.8)MSD	SDG No.:	P3716
Lab Sample ID:	P3716-04MSD	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
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
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN083469.D	1		08/23/24 18:45	VN082324

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\VN082324\
 Data File : VN083469.D
 Acq On : 23 Aug 2024 18:45
 Operator : JC\MD
 Sample : P3716-04MSD
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 1049-MW-02(23.8)MSD

Quant Time: Aug 24 00:07:30 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 08 06:30:41 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 08/26/2024
 Supervised By :Semsettin Yesilyurt 08/26/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	156307	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	275316	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	243349	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	125992	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	124883	56.131	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 112.260%			
35) Dibromofluoromethane	8.165	113	89279	51.953	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.900%			
50) Toluene-d8	10.565	98	330468	51.553	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.100%			
62) 4-Bromofluorobenzene	12.853	95	133304	53.341	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 106.680%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.118	85	83176	46.925	ug/l	98
3) Chloromethane	2.359	50	86478	47.653	ug/l	97
4) Vinyl Chloride	2.512	62	98849	53.382	ug/l	100
5) Bromomethane	2.901	94	46869	40.791	ug/l	93
6) Chloroethane	3.059	64	61372	52.976	ug/l	99
7) Trichlorofluoromethane	3.459	101	154000	50.343	ug/l	97
8) Diethyl Ether	3.954	74	55474	48.735	ug/l	88
9) 1,1,2-Trichlorotrifluo...	4.348	101	84802	50.282	ug/l	98
10) Methyl Iodide	4.571	142	109249	49.244	ug/l	94
11) Tert butyl alcohol	5.548	59	92225	199.463	ug/l	99
12) 1,1-Dichloroethene	4.324	96	80806	46.636	ug/l	92
13) Acrolein	4.171	56	32958	109.370	ug/l	100
14) Allyl chloride	5.012	41	148003	45.201	ug/l	90
15) Acrylonitrile	5.718	53	231672	243.629	ug/l	99
16) Acetone	4.436	43	193803	222.614	ug/l	95
17) Carbon Disulfide	4.695	76	200988	39.643	ug/l	100
18) Methyl Acetate	5.018	43	128742	49.634	ug/l	93
19) Methyl tert-butyl Ether	5.795	73	305983	48.925	ug/l	98
20) Methylene Chloride	5.265	84	91907	45.871	ug/l	86
21) trans-1,2-Dichloroethene	5.777	96	84056	46.937	ug/l	98
22) Diisopropyl ether	6.671	45	301972	49.062	ug/l	97
23) Vinyl Acetate	6.600	43	1486627	235.649	ug/l	97
24) 1,1-Dichloroethane	6.565	63	170473	50.814	ug/l	99
25) 2-Butanone	7.483	43	309227	231.328	ug/l	93
26) 2,2-Dichloropropane	7.489	77	123638	39.684	ug/l	94
27) cis-1,2-Dichloroethene	7.483	96	168555	77.999	ug/l	88
28) Bromochloromethane	7.812	49	73931	53.924	ug/l	86
29) Tetrahydrofuran	7.841	42	206699	239.202	ug/l	90
30) Chloroform	7.965	83	179832	51.596	ug/l	100
31) Cyclohexane	8.253	56	141320	42.862	ug/l	94
32) 1,1,1-Trichloroethane	8.165	97	165483	50.160	ug/l	97
36) 1,1-Dichloropropene	8.371	75	120728	46.442	ug/l	100
37) Ethyl Acetate	7.559	43	121369	41.698	ug/l #	93
38) Carbon Tetrachloride	8.359	117	141814	48.435	ug/l	97
39) Methylcyclohexane	9.600	83	139701	43.753	ug/l	93
40) Benzene	8.606	78	375110	48.438	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082324\
 Data File : VN083469.D
 Acq On : 23 Aug 2024 18:45
 Operator : JC\MD
 Sample : P3716-04MSD
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 1049-MW-02(23.8)MSD

Quant Time: Aug 24 00:07:30 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 08 06:30:41 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 08/26/2024
 Supervised By :Semsettin Yesilyurt 08/26/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	73478	44.399	ug/l	95
42) 1,2-Dichloroethane	8.671	62	142868	50.644	ug/l	99
43) Isopropyl Acetate	8.688	43	228291	44.898	ug/l	95
44) Trichloroethene	9.353	130	144058	78.153	ug/l	91
45) 1,2-Dichloropropane	9.624	63	91635	49.849	ug/l	100
46) Dibromomethane	9.706	93	66659	50.662	ug/l	98
47) Bromodichloromethane	9.888	83	144500	48.911	ug/l #	96
48) Methyl methacrylate	9.683	41	108780	45.205	ug/l	94
49) 1,4-Dioxane	9.700	88	39013	898.645	ug/l #	78
51) 4-Methyl-2-Pentanone	10.447	43	659784	239.712	ug/l	94
52) Toluene	10.630	92	236884	48.412	ug/l	97
53) t-1,3-Dichloropropene	10.835	75	143147	47.170	ug/l	97
54) cis-1,3-Dichloropropene	10.312	75	145717	45.143	ug/l	92
55) 1,1,2-Trichloroethane	11.018	97	88463	50.449	ug/l	95
56) Ethyl methacrylate	10.877	69	154507	46.740	ug/l	89
57) 1,3-Dichloropropane	11.165	76	156816	50.173	ug/l	99
59) 2-Hexanone	11.194	43	502054	235.776	ug/l	94
60) Dibromochloromethane	11.359	129	104050	49.078	ug/l	99
61) 1,2-Dibromoethane	11.471	107	88845	48.231	ug/l	97
64) Tetrachloroethene	11.100	164	178373	110.678	ug/l	94
65) Chlorobenzene	11.888	112	250043	46.496	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.959	131	89790	47.342	ug/l	99
67) Ethyl Benzene	11.965	91	466061	47.243	ug/l	99
68) m/p-Xylenes	12.071	106	349373	94.541	ug/l	96
69) o-Xylene	12.400	106	170193	46.696	ug/l	100
70) Styrene	12.412	104	286849	46.860	ug/l	98
71) Bromoform	12.576	173	67521	46.993	ug/l #	99
73) Isopropylbenzene	12.694	105	435341	41.310	ug/l	100
74) N-amyl acetate	12.494	43	191660	37.182	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.941	83	137690	46.196	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	118226m	42.755	ug/l	
77) Bromobenzene	12.982	156	100547	42.951	ug/l	96
78) n-propylbenzene	13.035	91	505665	41.671	ug/l	99
79) 2-Chlorotoluene	13.124	91	324625	42.196	ug/l	96
80) 1,3,5-Trimethylbenzene	13.171	105	369565	41.888	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	44063	34.662	ug/l	99
82) 4-Chlorotoluene	13.223	91	317627	41.160	ug/l	99
83) tert-Butylbenzene	13.435	119	330186	42.259	ug/l	100
84) 1,2,4-Trimethylbenzene	13.482	105	380192	42.760	ug/l	98
85) sec-Butylbenzene	13.618	105	442449	41.500	ug/l	99
86) p-Isopropyltoluene	13.729	119	370277	42.063	ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	193589	43.948	ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	193302	43.529	ug/l	98
89) n-Butylbenzene	14.059	91	309015	40.513	ug/l	98
90) Hexachloroethane	14.335	117	71843	42.244	ug/l	96
91) 1,2-Dichlorobenzene	14.106	146	195984	45.978	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.718	75	29691	41.051	ug/l	99
93) 1,2,4-Trichlorobenzene	15.388	180	99260	41.565	ug/l	99
94) Hexachlorobutadiene	15.500	225	41557	39.130	ug/l	97
95) Naphthalene	15.641	128	344717	40.751	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	97577	41.295	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082324\
Data File : VN083469.D
Acq On : 23 Aug 2024 18:45
Operator : JC\MD
Sample : P3716-04MSD
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 24 00:07:30 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 08 06:30:41 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
1049-MW-02(23.8)MSD

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/26/2024
Supervised By :Semsettin Yesilyurt 08/26/2024

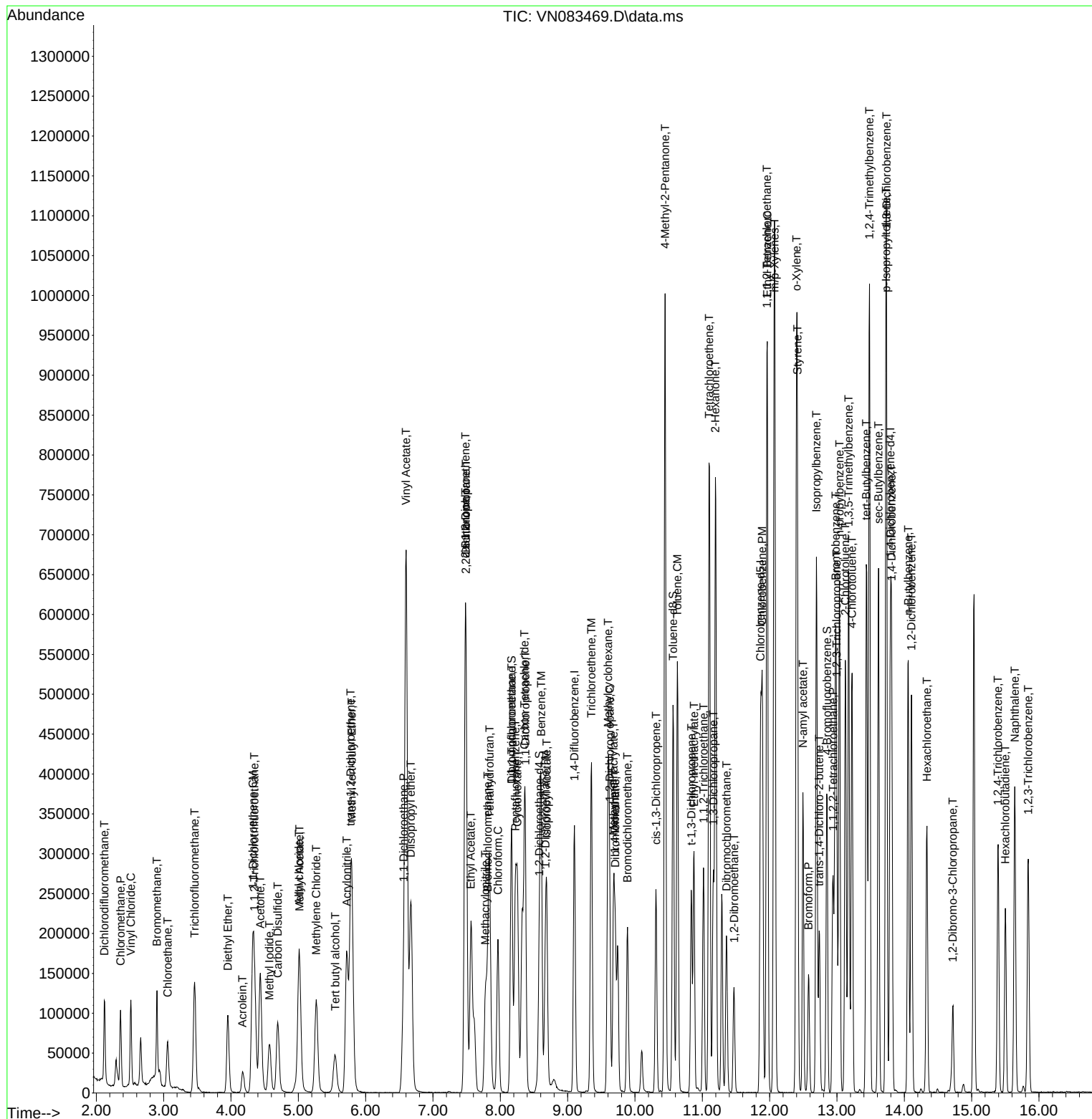
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

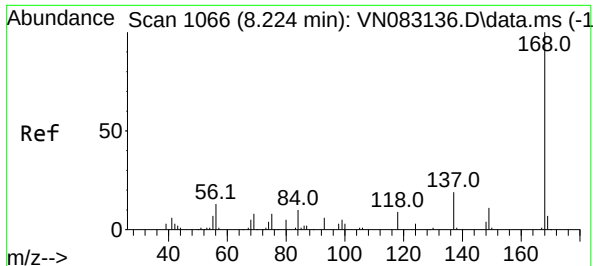
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Instrument :
MSVOA_N
ClientSampleId :
1049-MW-02(23.8)MSD

Manual Integrations APPROVED

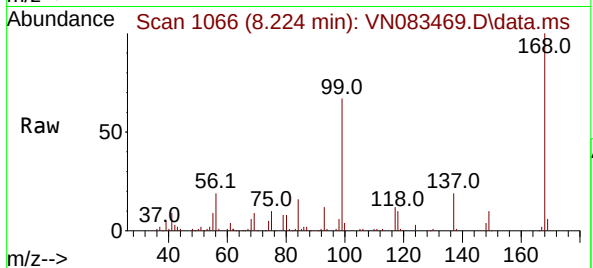
Reviewed By :John Carlone 08/26/2024
Supervised By :Semsettin Yesilyurt 08/26/2024





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083469.D
Acq: 23 Aug 2024 18:45

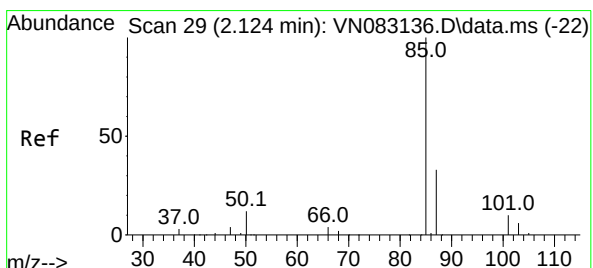
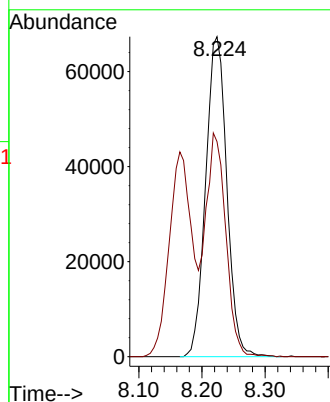
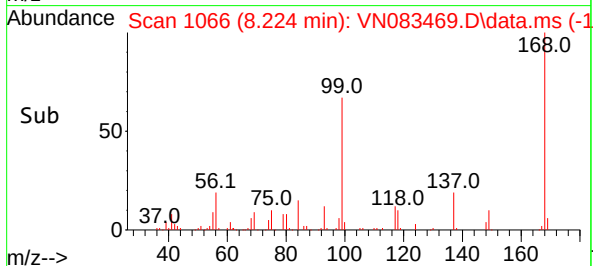
Instrument :
MSVOA_N
ClientSampleId :
1049-MW-02(23.8)MSD



Tgt Ion:168 Resp: 15630
Ion Ratio Lower Upper
168 100
99 67.0 48.2 72.4

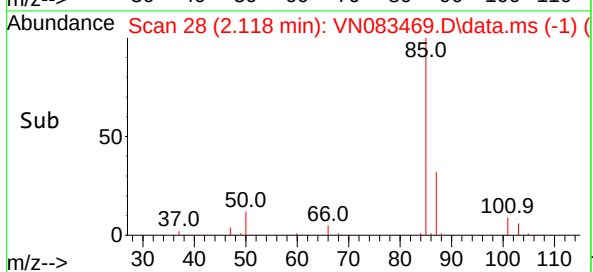
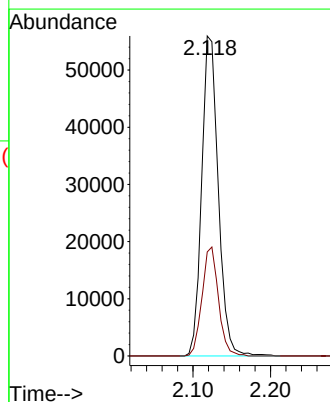
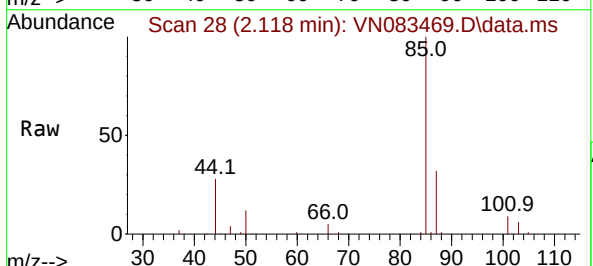
Manual Integrations
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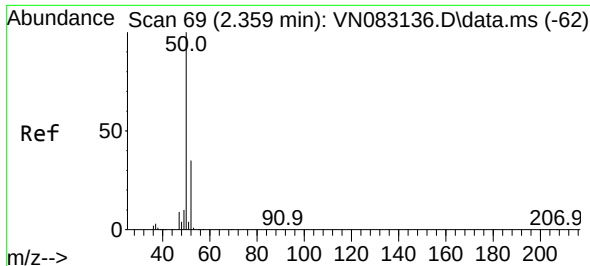
Reviewed By :John Carlone 08/26/2024
Supervised By :Semsettin Yesilyurt 08/26/2024



#2
Dichlorodifluoromethane
Concen: 46.925 ug/l
RT: 2.118 min Scan# 28
Delta R.T. -0.006 min
Lab File: VN083469.D
Acq: 23 Aug 2024 18:45

Tgt Ion: 85 Resp: 83176
Ion Ratio Lower Upper
85 100
87 32.5 15.7 47.0





#3

Chloromethane

Concen: 47.653 ug/l

RT: 2.359 min Scan# 69

Delta R.T. 0.000 min

Lab File: VN083469.D

Acq: 23 Aug 2024 18:45

Instrument :

MSVOA_N

ClientSampleId :

1049-MW-02(23.8)MSD

Tgt Ion: 50 Resp: 86478

Ion Ratio Lower Upper

50 100

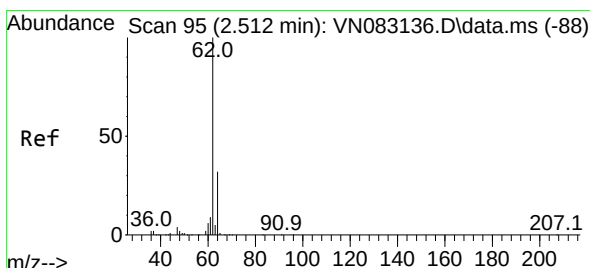
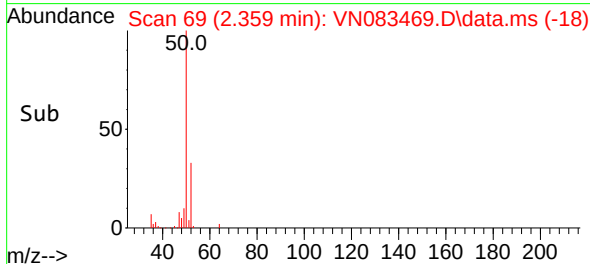
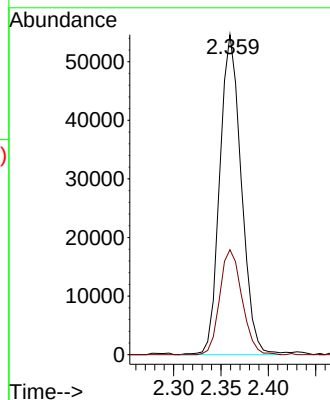
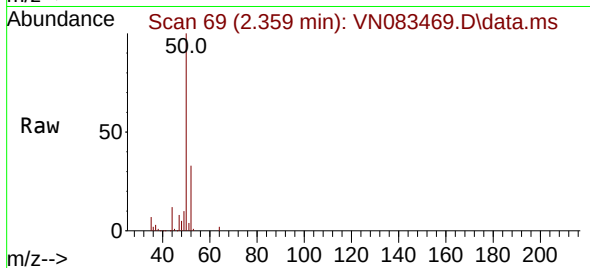
52 32.8 25.0 37.4

Manual Integrations

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Reviewed By :John Carlone 08/26/2024

Supervised By :Semsettin Yesilyurt 08/26/2024



#4

Vinyl Chloride

Concen: 53.382 ug/l

RT: 2.512 min Scan# 95

Delta R.T. 0.000 min

Lab File: VN083469.D

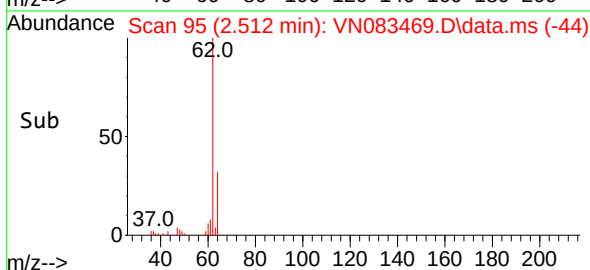
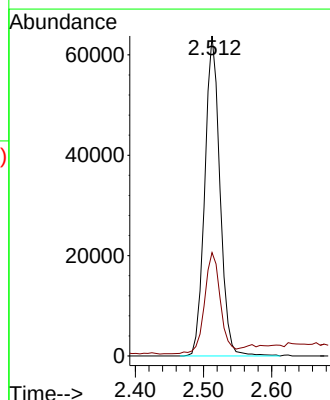
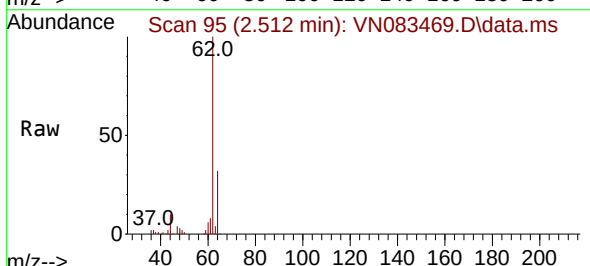
Acq: 23 Aug 2024 18:45

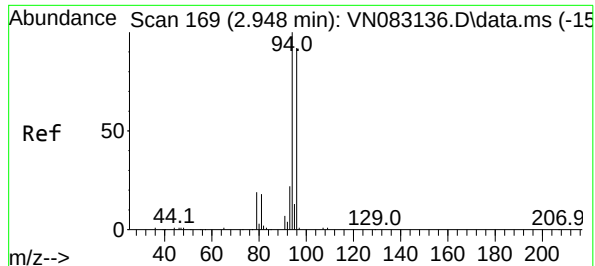
Tgt Ion: 62 Resp: 98849

Ion Ratio Lower Upper

62 100

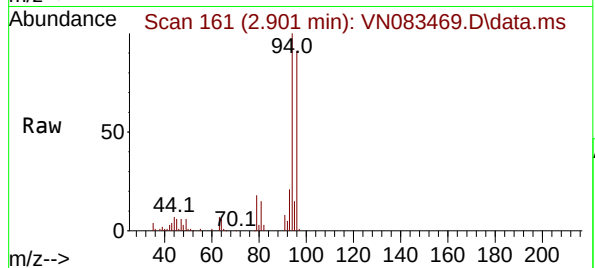
64 31.5 25.0 37.6





#5
Bromomethane
Concen: 40.791 ug/l
RT: 2.901 min Scan# 104
Delta R.T. -0.047 min
Lab File: VN083469.D
Acq: 23 Aug 2024 18:45

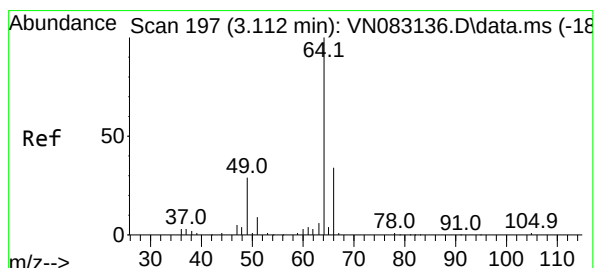
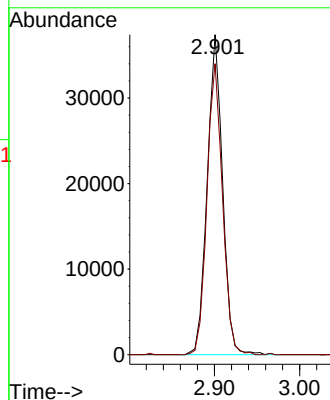
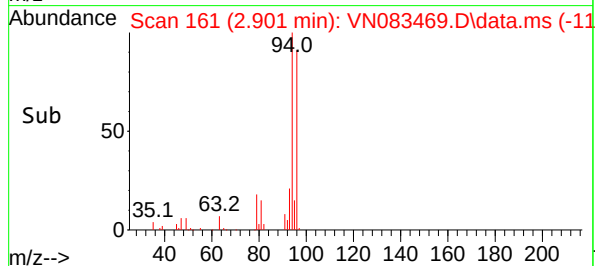
Instrument :
MSVOA_N
ClientSampleId :
1049-MW-02(23.8)MSD



Tgt Ion: 94 Resp: 46869
Ion Ratio Lower Upper
94 100
96 90.9 78.0 117.0

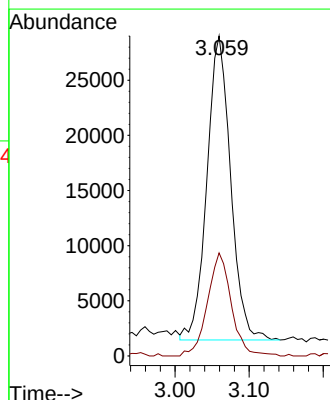
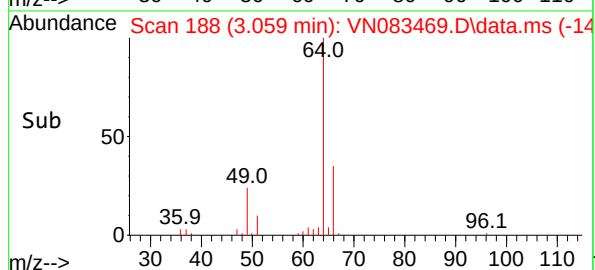
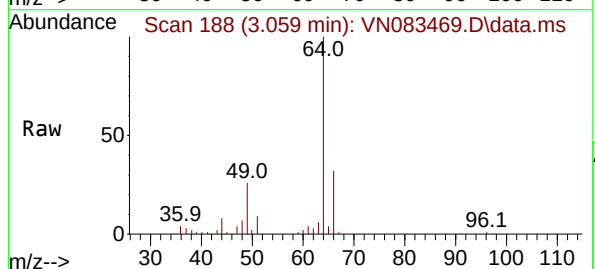
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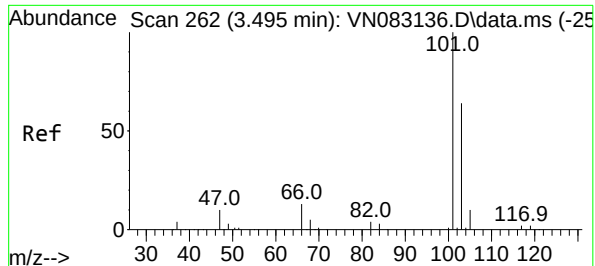
Reviewed By :John Carlone 08/26/2024
Supervised By :Semsettin Yesilyurt 08/26/2024



#6
Chloroethane
Concen: 52.976 ug/l
RT: 3.059 min Scan# 188
Delta R.T. -0.053 min
Lab File: VN083469.D
Acq: 23 Aug 2024 18:45

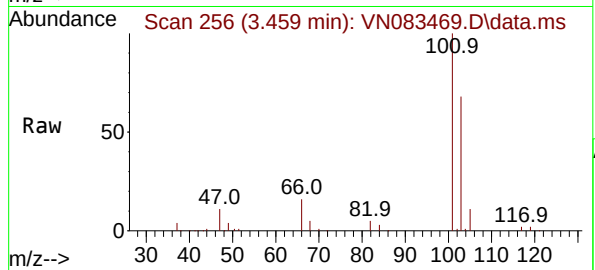
Tgt Ion: 64 Resp: 61372
Ion Ratio Lower Upper
64 100
66 33.9 26.6 40.0





#7
Trichlorofluoromethane
Concen: 50.343 ug/l
RT: 3.459 min Scan# 210
Delta R.T. -0.036 min
Lab File: VN083469.D
Acq: 23 Aug 2024 18:45

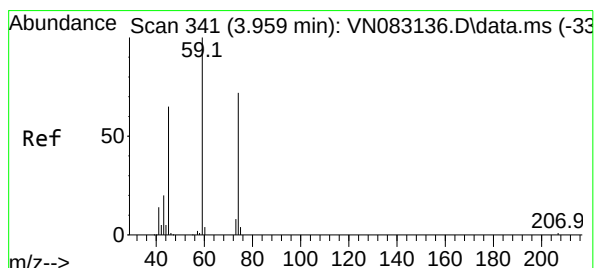
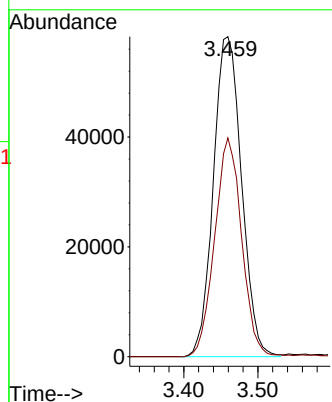
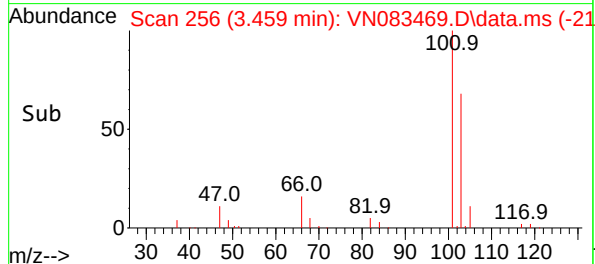
Instrument :
MSVOA_N
ClientSampleId :
1049-MW-02(23.8)MSD



Tgt Ion:101 Resp: 154000
Ion Ratio Lower Upper
101 100
103 68.4 52.7 79.1

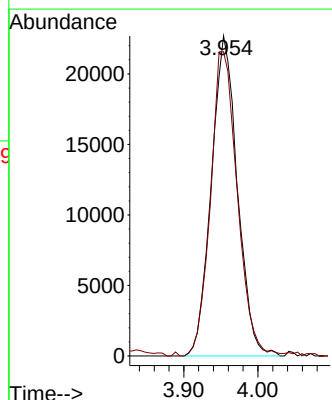
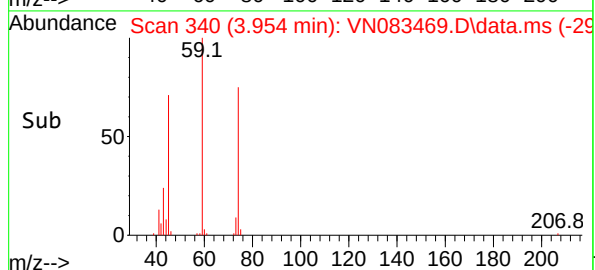
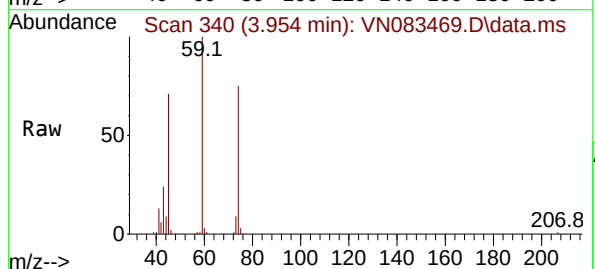
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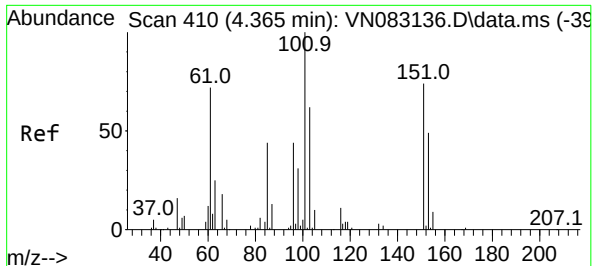
Reviewed By :John Carlone 08/26/2024
Supervised By :Semsettin Yesilyurt 08/26/2024



#8
Diethyl Ether
Concen: 48.735 ug/l
RT: 3.954 min Scan# 340
Delta R.T. -0.006 min
Lab File: VN083469.D
Acq: 23 Aug 2024 18:45

Tgt Ion: 74 Resp: 55474
Ion Ratio Lower Upper
74 100
45 97.7 55.5 166.3





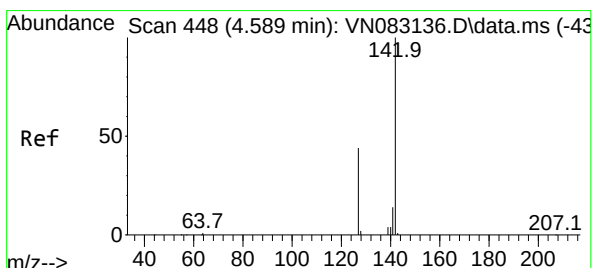
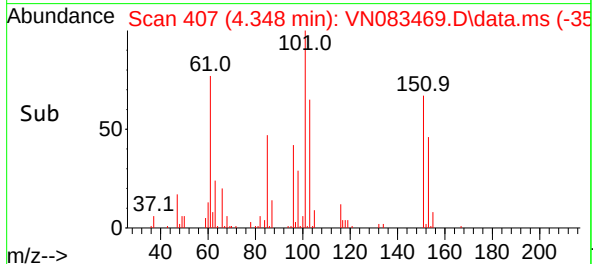
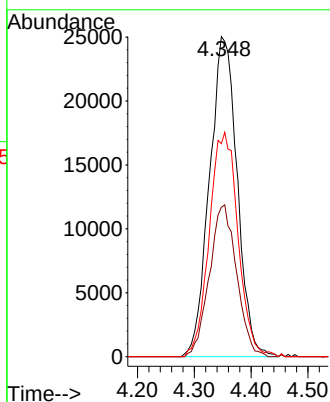
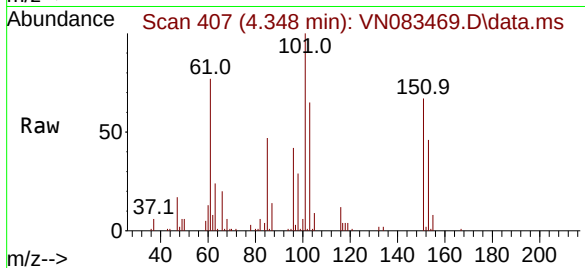
#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.282 ug/l
RT: 4.348 min Scan# 407
Delta R.T. -0.018 min
Lab File: VN083469.D
Acq: 23 Aug 2024 18:45

Instrument :
MSVOA_N
ClientSampleId :
1049-MW-02(23.8)MSD

Tgt Ion:101 Resp: 8480
Ion Ratio Lower Upper
101 100
85 46.6 38.3 57.5
151 72.5 59.3 88.9

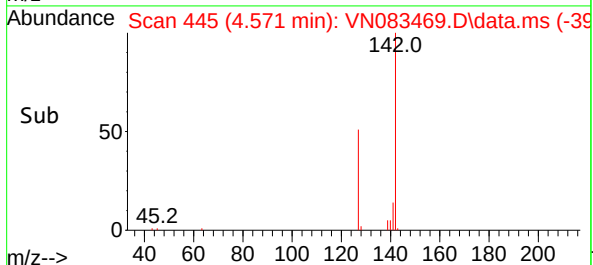
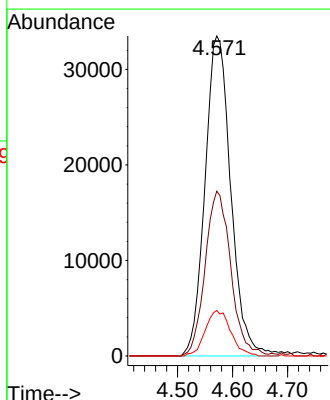
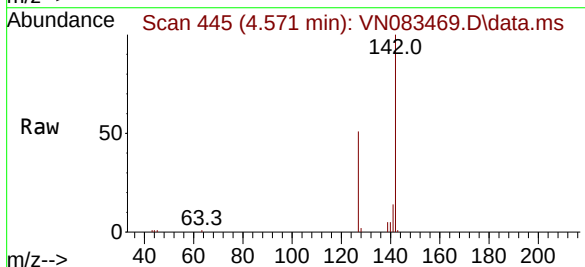
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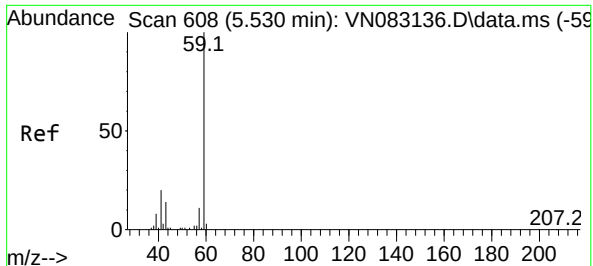
Reviewed By :John Carlone 08/26/2024
Supervised By :Semsettin Yesilyurt 08/26/2024



#10
Methyl Iodide
Concen: 49.244 ug/l
RT: 4.571 min Scan# 445
Delta R.T. -0.018 min
Lab File: VN083469.D
Acq: 23 Aug 2024 18:45

Tgt Ion:142 Resp: 109249
Ion Ratio Lower Upper
142 100
127 51.5 37.5 56.3
141 14.2 13.1 19.7





#11

Tert butyl alcohol

Concen: 199.463 ug/l

RT: 5.548 min Scan# 611

Delta R.T. 0.018 min

Lab File: VN083469.D

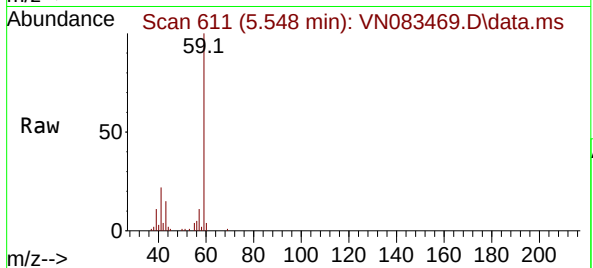
Acq: 23 Aug 2024 18:45

Instrument :

MSVOA_N

ClientSampleId :

1049-MW-02(23.8)MSD



Tgt Ion: 59 Resp: 92225

Ion Ratio Lower Upper

59 100

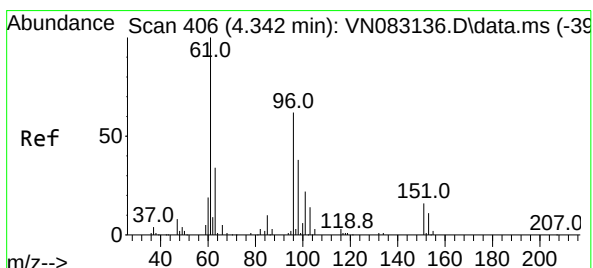
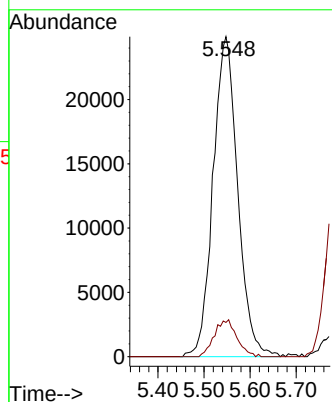
57 10.6 8.9 13.3

Manual Integrations

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Reviewed By :John Carlone 08/26/2024

Supervised By :Semsettin Yesilyurt 08/26/2024



#12

1,1-Dichloroethene

Concen: 46.636 ug/l

RT: 4.324 min Scan# 403

Delta R.T. -0.018 min

Lab File: VN083469.D

Acq: 23 Aug 2024 18:45

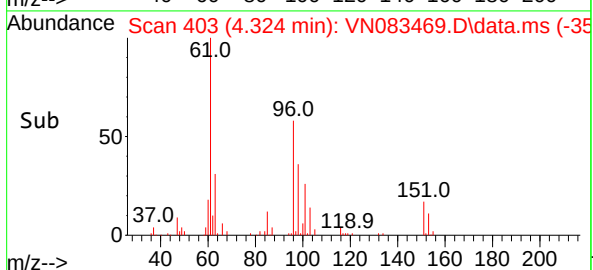
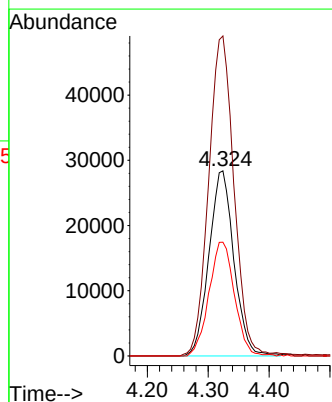
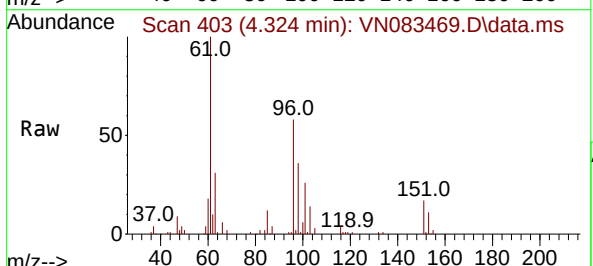
Tgt Ion: 96 Resp: 80806

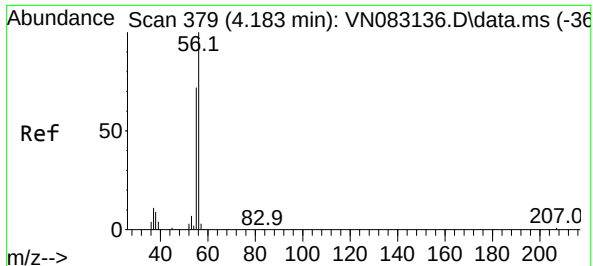
Ion Ratio Lower Upper

96 100

61 172.8 149.7 224.5

98 61.5 50.1 75.1





#13

Acrolein

Concen: 109.370 ug/l

RT: 4.171 min Scan# 31

Delta R.T. -0.012 min

Lab File: VN083469.D

Acq: 23 Aug 2024 18:45

Instrument :

MSVOA_N

ClientSampleId :

1049-MW-02(23.8)MSD

Tgt Ion: 56 Resp: 32958

Ion Ratio Lower Upper

56 100

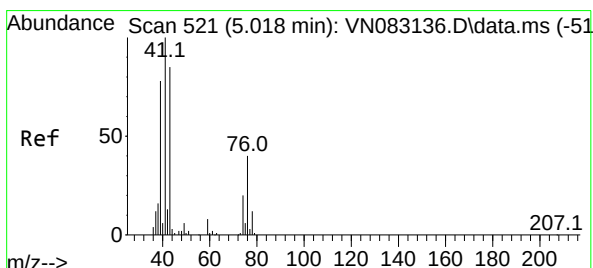
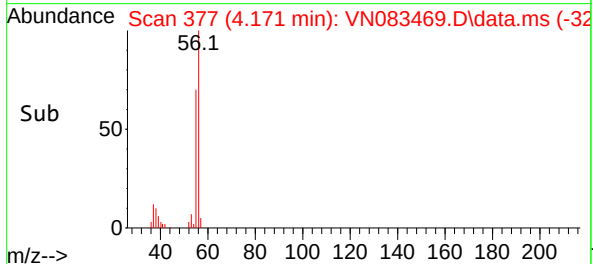
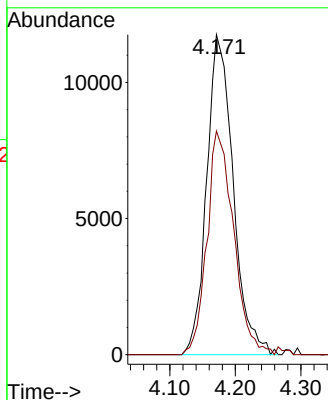
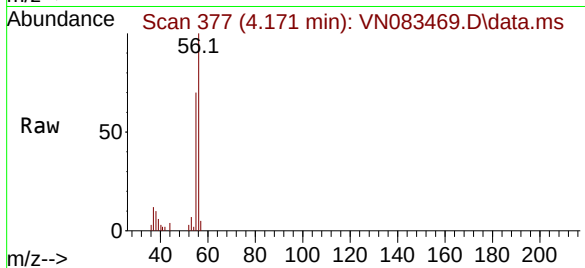
55 70.5 56.4 84.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/26/2024

Supervised By :Semsettin Yesilyurt 08/26/2024



#14

Allyl chloride

Concen: 45.201 ug/l

RT: 5.012 min Scan# 520

Delta R.T. -0.006 min

Lab File: VN083469.D

Acq: 23 Aug 2024 18:45

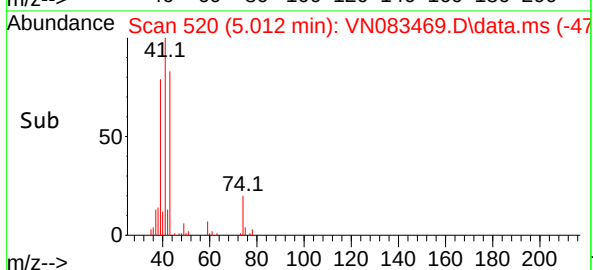
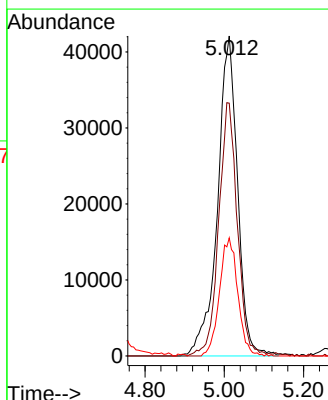
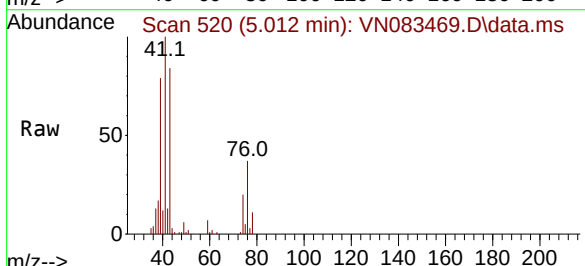
Tgt Ion: 41 Resp: 148003

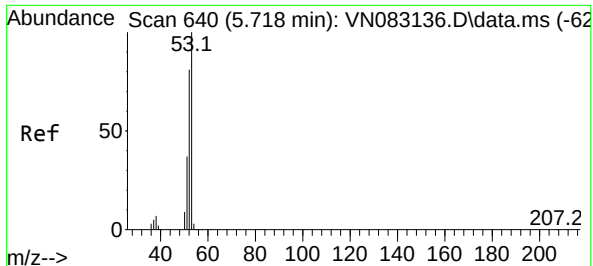
Ion Ratio Lower Upper

41 100

39 73.5 67.8 101.6

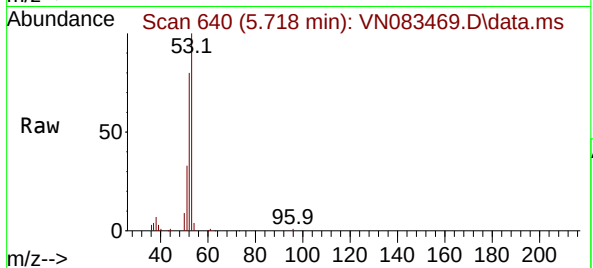
76 33.6 25.8 38.8





#15
Acrylonitrile
Concen: 243.629 ug/l
RT: 5.718 min Scan# 640
Delta R.T. 0.000 min
Lab File: VN083469.D
Acq: 23 Aug 2024 18:45

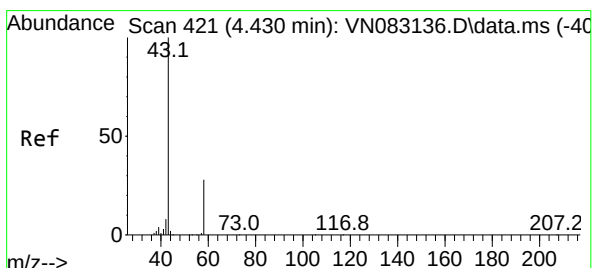
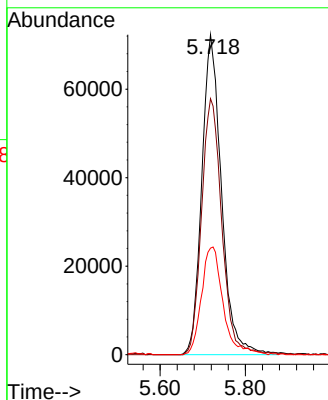
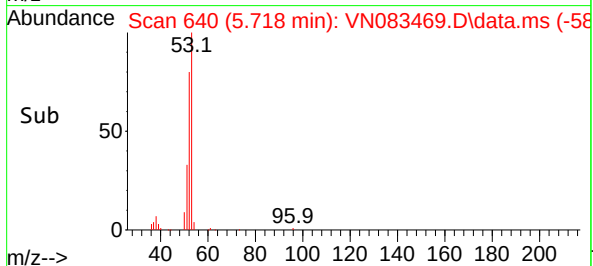
Instrument :
MSVOA_N
ClientSampleId :
1049-MW-02(23.8)MSD



Tgt Ion: 53 Resp: 231672
Ion Ratio Lower Upper
53 100
52 82.6 66.6 100.0
51 36.8 30.1 45.1

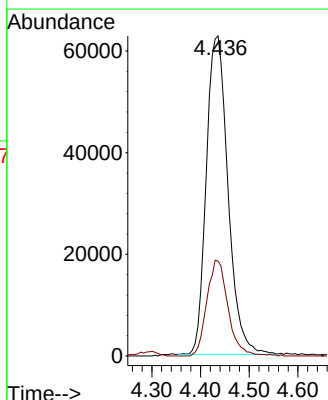
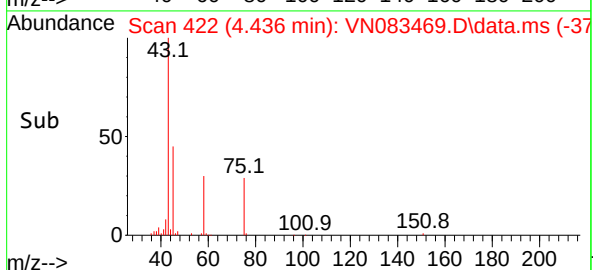
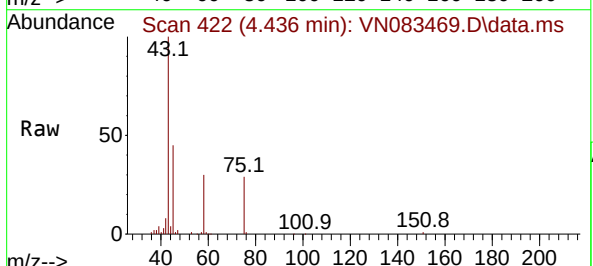
Manual Integrations
APPROVED

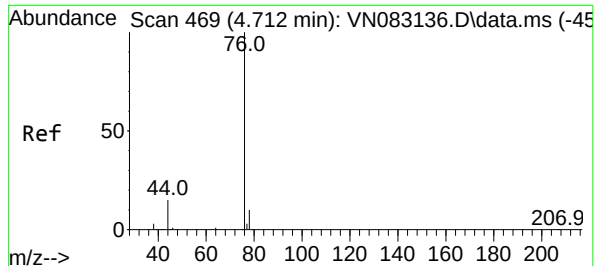
Reviewed By :John Carlone 08/26/2024
Supervised By :Semsettin Yesilyurt 08/26/2024



#16
Acetone
Concen: 222.614 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.006 min
Lab File: VN083469.D
Acq: 23 Aug 2024 18:45

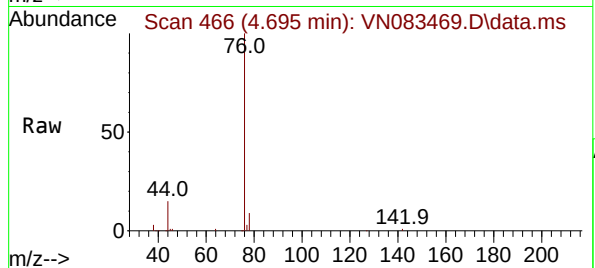
Tgt Ion: 43 Resp: 193803
Ion Ratio Lower Upper
43 100
58 29.8 21.8 32.6





#17
Carbon Disulfide
Concen: 39.643 ug/l
RT: 4.695 min Scan# 409
Delta R.T. -0.018 min
Lab File: VN083469.D
Acq: 23 Aug 2024 18:45

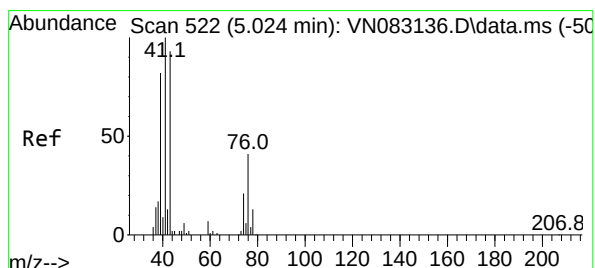
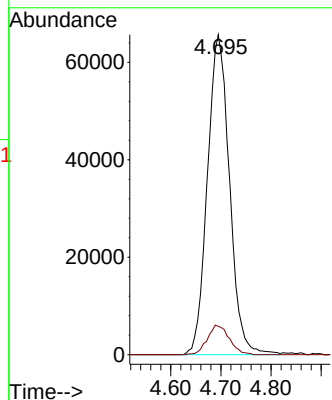
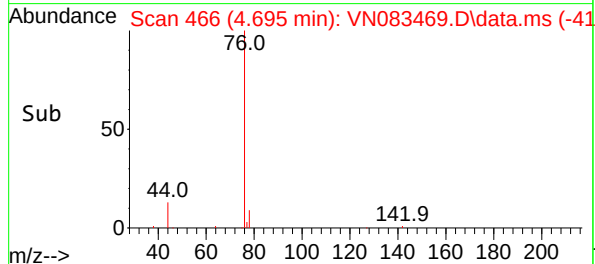
Instrument :
MSVOA_N
ClientSampleId :
1049-MW-02(23.8)MSD



Tgt Ion: 76 Resp: 200988
Ion Ratio Lower Upper
76 100
78 8.8 7.2 10.8

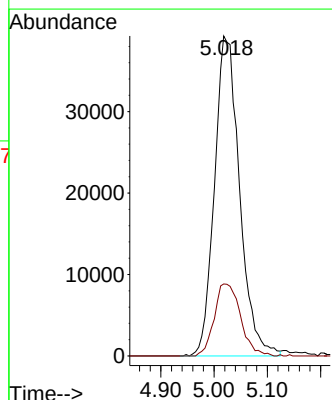
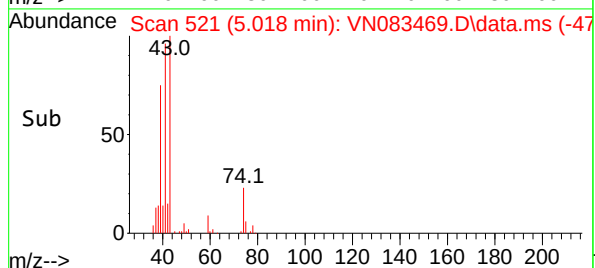
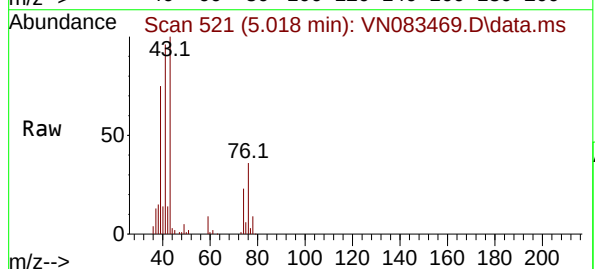
Manual Integrations
APPROVED

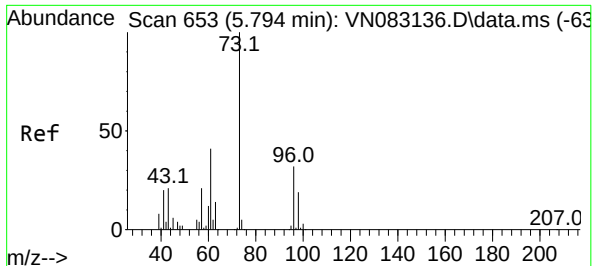
Reviewed By :John Carlone 08/26/2024
Supervised By :Semsettin Yesilyurt 08/26/2024



#18
Methyl Acetate
Concen: 49.634 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.006 min
Lab File: VN083469.D
Acq: 23 Aug 2024 18:45

Tgt Ion: 43 Resp: 128742
Ion Ratio Lower Upper
43 100
74 23.5 16.3 24.5





#19

Methyl tert-butyl Ether

Concen: 48.925 ug/l

RT: 5.795 min Scan# 61

Delta R.T. 0.000 min

Lab File: VN083469.D

Acq: 23 Aug 2024 18:45

Instrument :

MSVOA_N

ClientSampleId :

1049-MW-02(23.8)MSD

Tgt Ion: 73 Resp: 30598

Ion Ratio Lower Upper

73 100

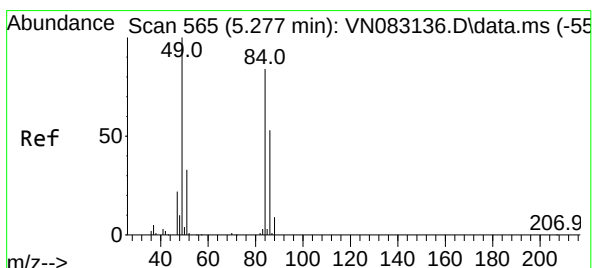
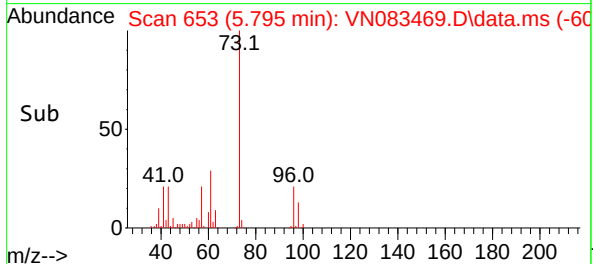
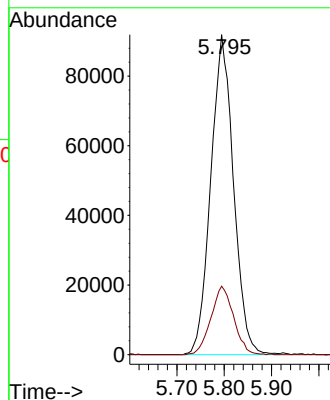
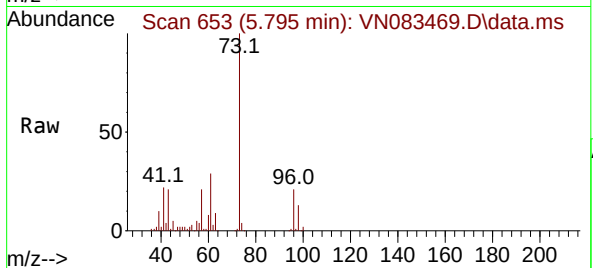
57 21.4 17.9 26.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/26/2024

Supervised By :Semsettin Yesilyurt 08/26/2024



#20

Methylene Chloride

Concen: 45.871 ug/l

RT: 5.265 min Scan# 563

Delta R.T. -0.012 min

Lab File: VN083469.D

Acq: 23 Aug 2024 18:45

Tgt Ion: 84 Resp: 91907

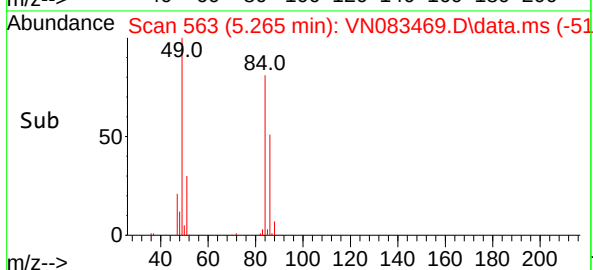
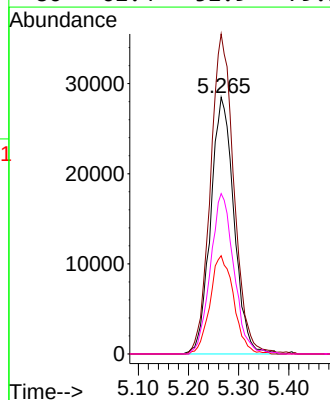
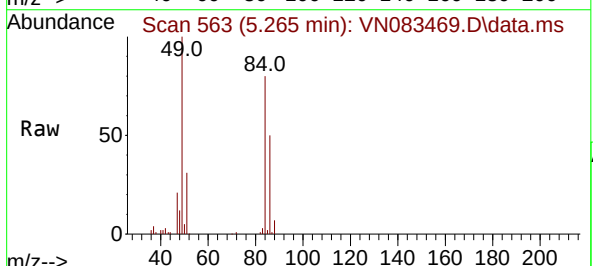
Ion Ratio Lower Upper

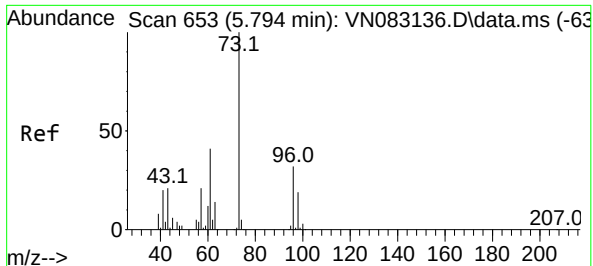
84 100

49 124.7 119.6 179.4

51 38.3 34.8 52.2

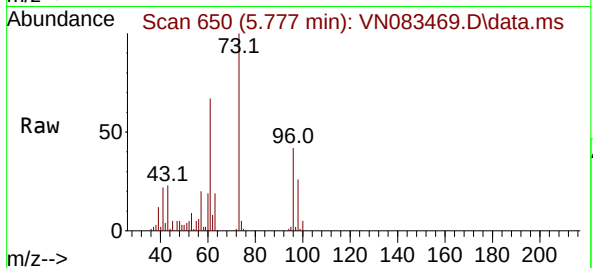
86 62.4 52.9 79.3





#21
trans-1,2-Dichloroethene
Concen: 46.937 ug/l
RT: 5.777 min Scan# 61
Delta R.T. -0.018 min
Lab File: VN083469.D
Acq: 23 Aug 2024 18:45

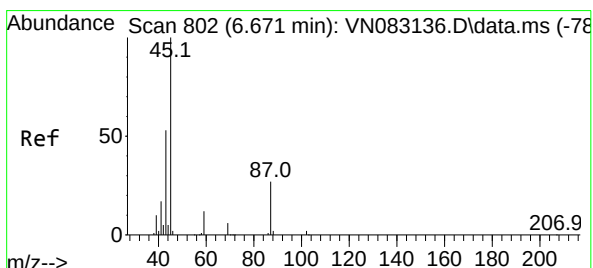
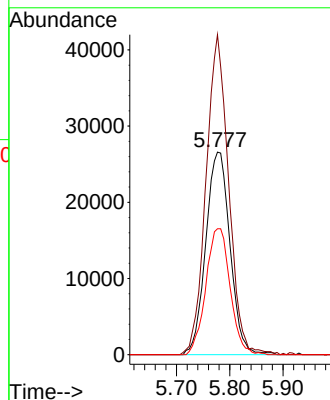
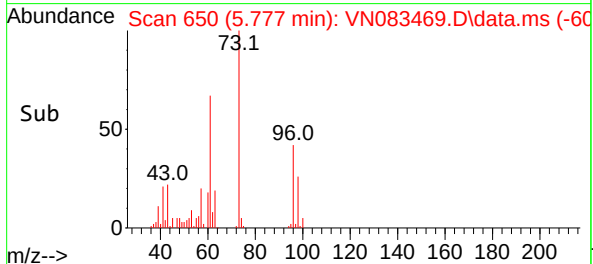
Instrument :
MSVOA_N
ClientSampleId :
1049-MW-02(23.8)MSD



Tgt Ion: 96 Resp: 8405
Ion Ratio Lower Upper
96 100
61 158.0 123.4 185.2
98 62.2 49.3 73.9

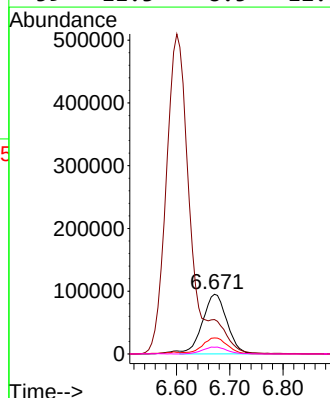
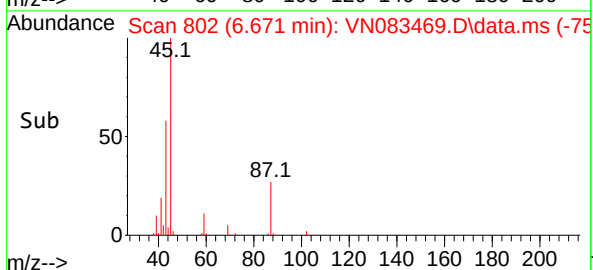
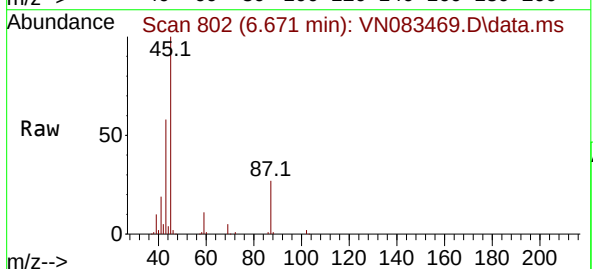
Manual Integrations
APPROVED

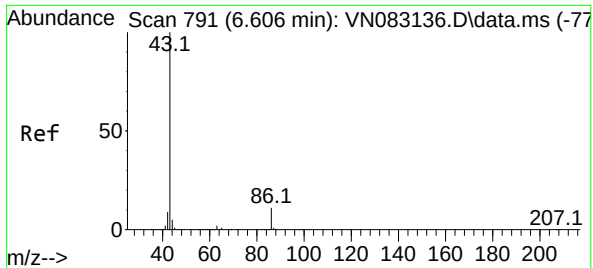
Reviewed By :John Carlone 08/26/2024
Supervised By :Semsettin Yesilyurt 08/26/2024



#22
Diisopropyl ether
Concen: 49.062 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.000 min
Lab File: VN083469.D
Acq: 23 Aug 2024 18:45

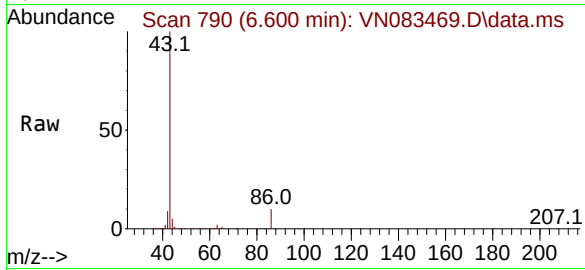
Tgt Ion: 45 Resp: 301972
Ion Ratio Lower Upper
45 100
43 56.6 44.0 66.0
87 26.8 19.7 29.5
59 11.3 8.5 12.7





#23
Vinyl Acetate
Concen: 235.649 ug/l
RT: 6.600 min Scan# 791
Delta R.T. -0.006 min
Lab File: VN083469.D
Acq: 23 Aug 2024 18:45

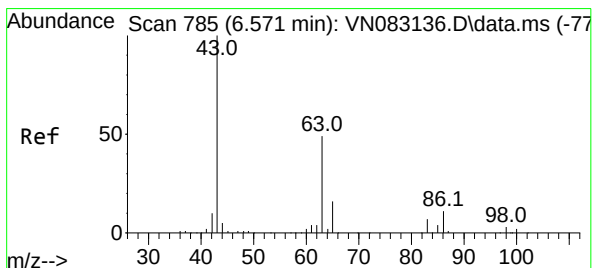
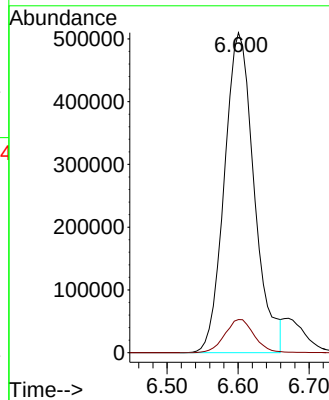
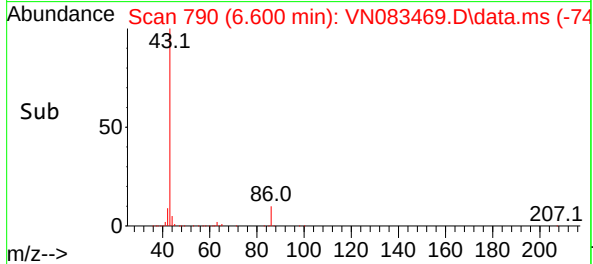
Instrument :
MSVOA_N
ClientSampleId :
1049-MW-02(23.8)MSD



Tgt Ion: 43 Resp: 148662
Ion Ratio Lower Upper
43 100
86 10.4 7.3 10.9

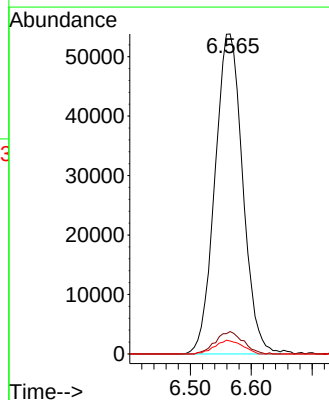
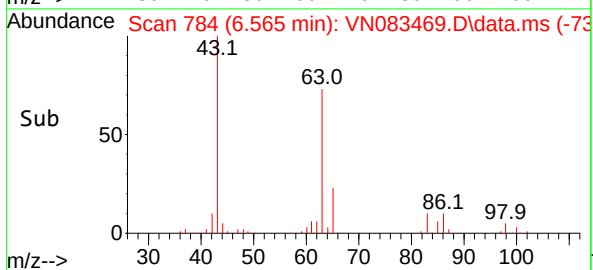
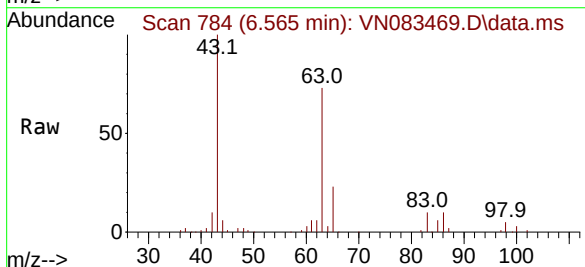
Manual Integrations
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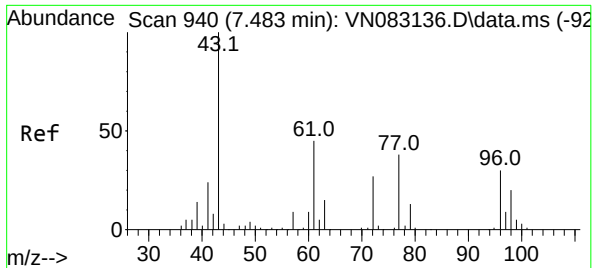
Reviewed By :John Carlone 08/26/2024
Supervised By :Semsettin Yesilyurt 08/26/2024



#24
1,1-Dichloroethane
Concen: 50.814 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.006 min
Lab File: VN083469.D
Acq: 23 Aug 2024 18:45

Tgt Ion: 63 Resp: 170473
Ion Ratio Lower Upper
63 100
98 7.0 3.3 9.9
100 4.1 2.0 6.0





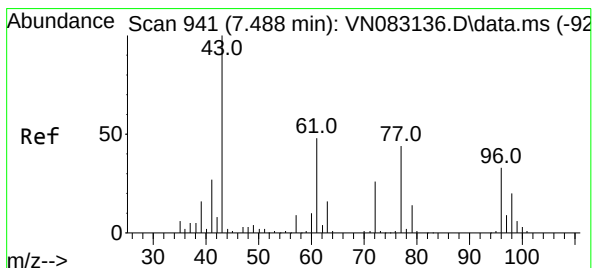
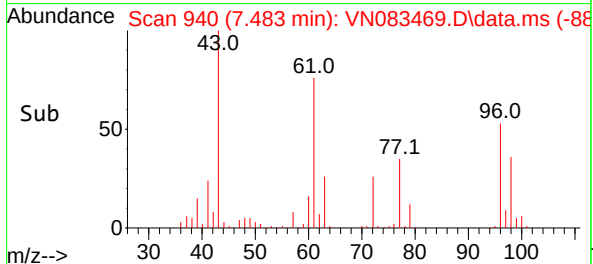
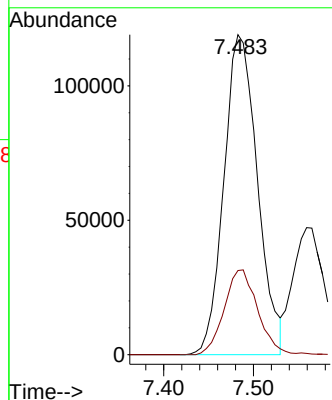
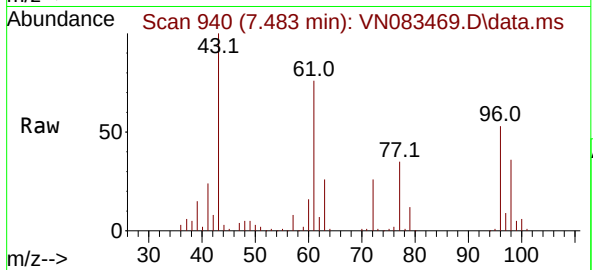
#25
2-Butanone
Concen: 231.328 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN083469.D
Acq: 23 Aug 2024 18:45

Instrument :
MSVOA_N
ClientSampleId :
1049-MW-02(23.8)MSD

Tgt Ion: 43 Resp: 30922
Ion Ratio Lower Upper
43 100
72 26.3 18.2 27.2

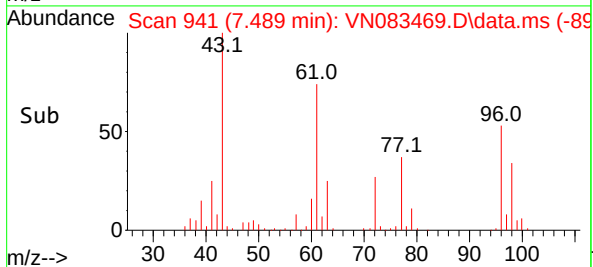
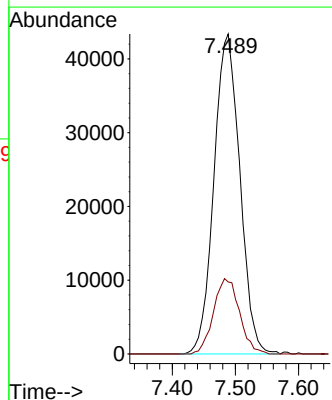
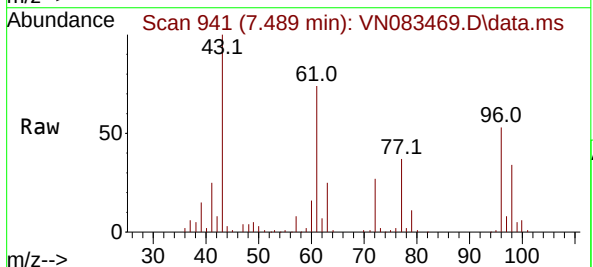
Manual Integrations
APPROVED

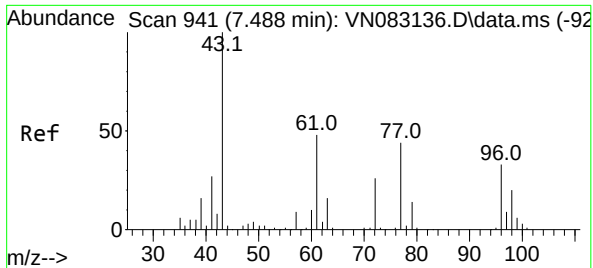
Reviewed By :John Carlone 08/26/2024
Supervised By :Semsettin Yesilyurt 08/26/2024



#26
2,2-Dichloropropane
Concen: 39.684 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN083469.D
Acq: 23 Aug 2024 18:45

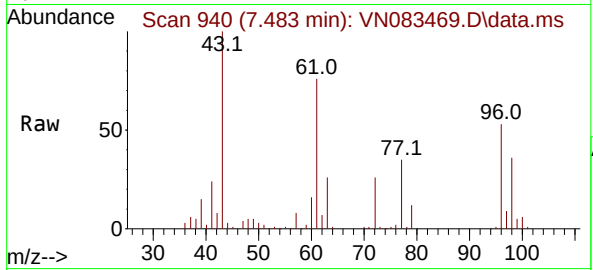
Tgt Ion: 77 Resp: 123638
Ion Ratio Lower Upper
77 100
97 23.6 10.3 30.9





#27
cis-1,2-Dichloroethene
Concen: 77.999 ug/l
RT: 7.483 min Scan# 941
Delta R.T. -0.006 min
Lab File: VN083469.D
Acq: 23 Aug 2024 18:45

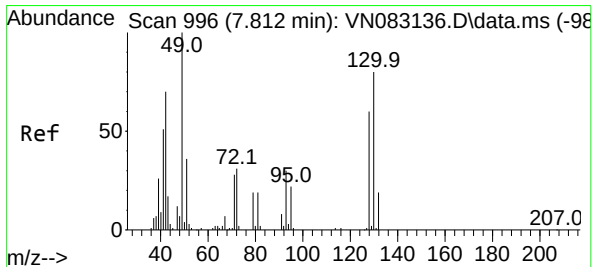
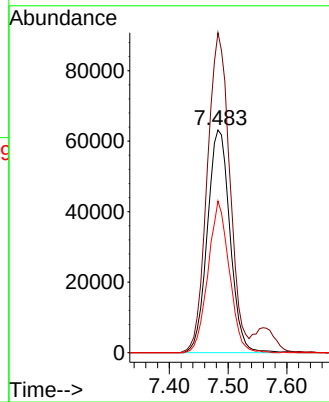
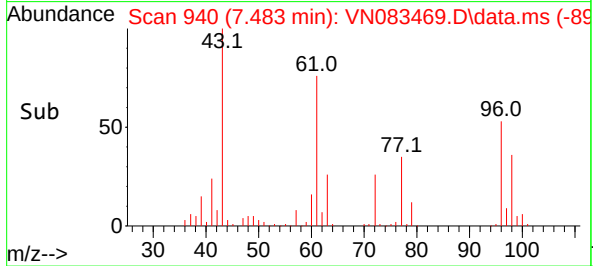
Instrument :
MSVOA_N
ClientSampleId :
1049-MW-02(23.8)MSD



Tgt Ion: 96 Resp: 16855
Ion Ratio Lower Upper
96 100
61 143.2 0.0 329.6
98 64.0 0.0 128.6

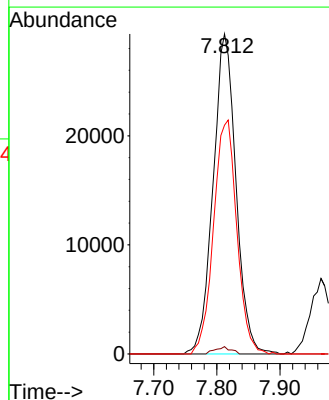
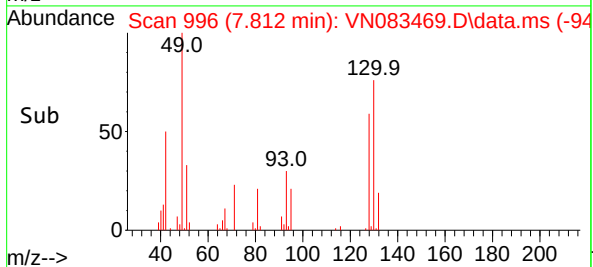
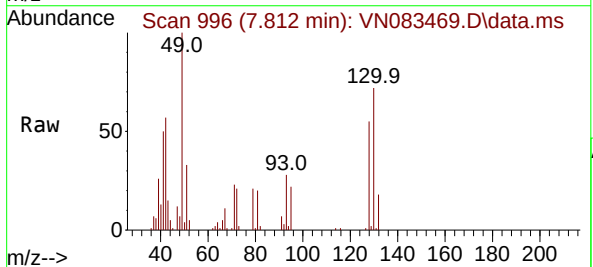
Manual Integrations
APPROVED

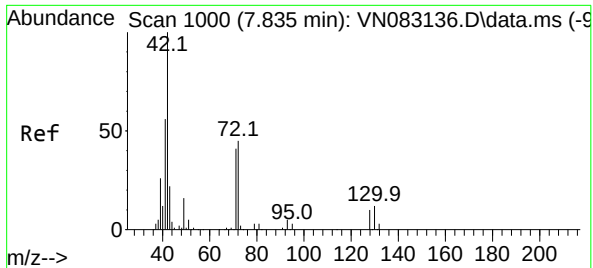
Reviewed By :John Carlone 08/26/2024
Supervised By :Semsettin Yesilyurt 08/26/2024



#28
Bromochloromethane
Concen: 53.924 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN083469.D
Acq: 23 Aug 2024 18:45

Tgt Ion: 49 Resp: 73931
Ion Ratio Lower Upper
49 100
129 1.6 0.0 3.8
130 74.3 50.5 75.7





#29

Tetrahydrofuran

Concen: 239.202 ug/l

RT: 7.841 min Scan# 1001

Delta R.T. 0.006 min

Lab File: VN083469.D

Acq: 23 Aug 2024 18:45

Instrument :

MSVOA_N

ClientSampleId :

1049-MW-02(23.8)MSD

Tgt Ion: 42 Resp: 206699

Ion Ratio Lower Upper

42 100

72 43.4 30.0 45.0

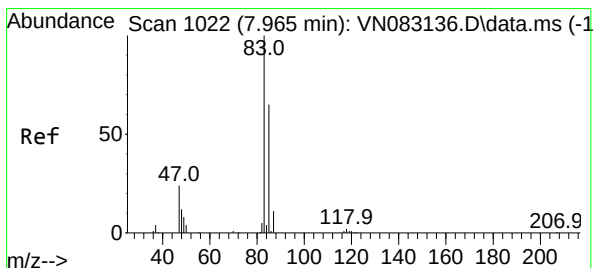
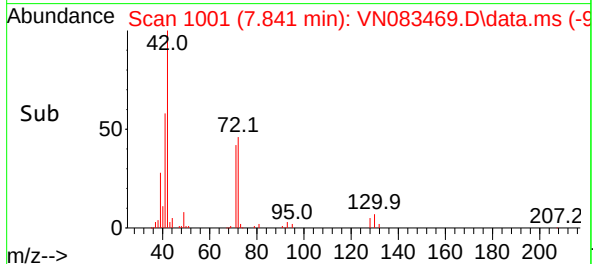
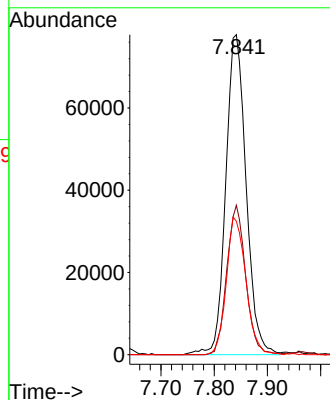
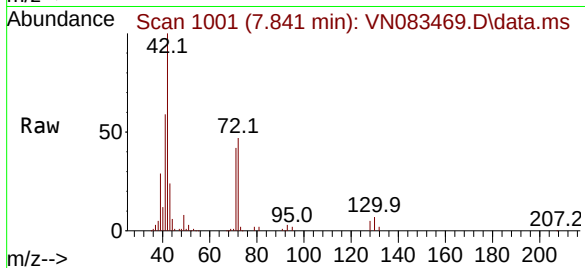
71 41.2 28.3 42.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/26/2024

Supervised By :Semsettin Yesilyurt 08/26/2024



#30

Chloroform

Concen: 51.596 ug/l

RT: 7.965 min Scan# 1022

Delta R.T. 0.000 min

Lab File: VN083469.D

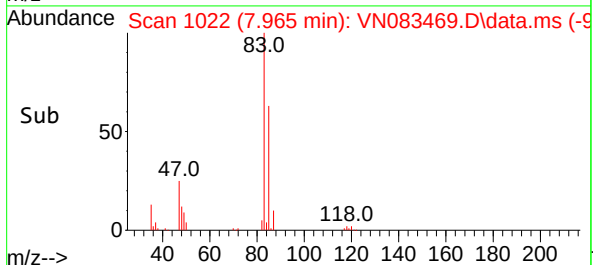
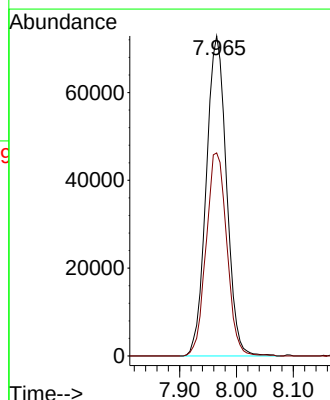
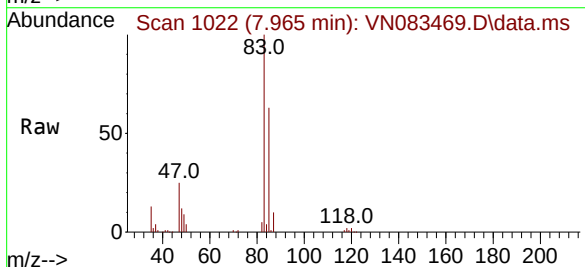
Acq: 23 Aug 2024 18:45

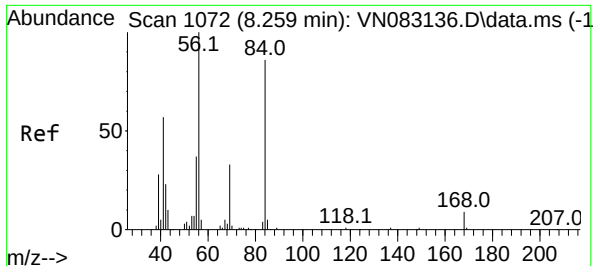
Tgt Ion: 83 Resp: 179832

Ion Ratio Lower Upper

83 100

85 63.4 50.9 76.3





#31

Cyclohexane

Concen: 42.862 ug/l

RT: 8.253 min Scan# 1071

Delta R.T. -0.006 min

Lab File: VN083469.D

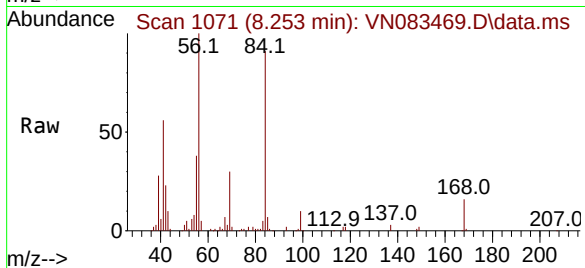
Acq: 23 Aug 2024 18:45

Instrument :

MSVOA_N

ClientSampleId :

1049-MW-02(23.8)MSD



Tgt Ion: 56 Resp: 141320

Ion Ratio Lower Upper

56 100

69 30.4 24.5 36.7

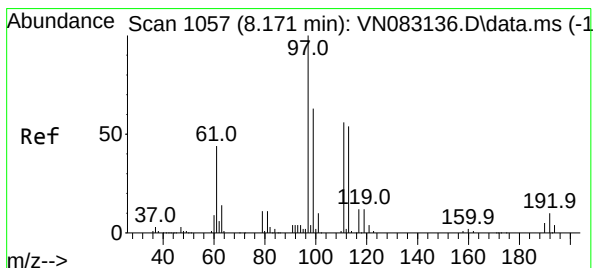
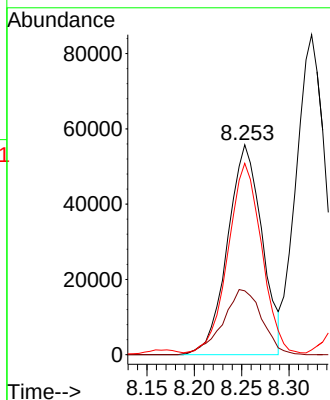
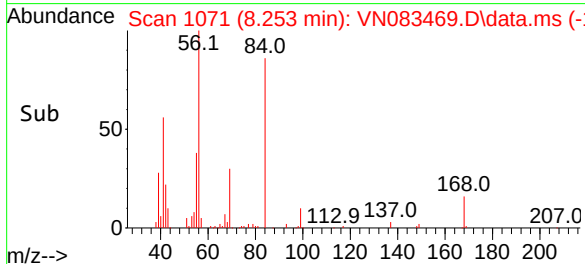
84 89.8 66.0 99.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/26/2024

Supervised By :Semsettin Yesilyurt 08/26/2024



#32

1,1,1-Trichloroethane

Concen: 50.160 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.006 min

Lab File: VN083469.D

Acq: 23 Aug 2024 18:45

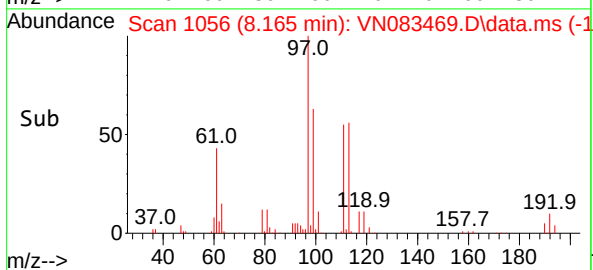
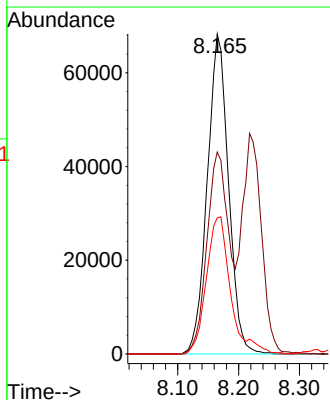
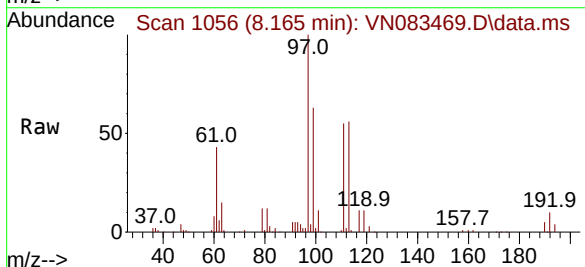
Tgt Ion: 97 Resp: 165483

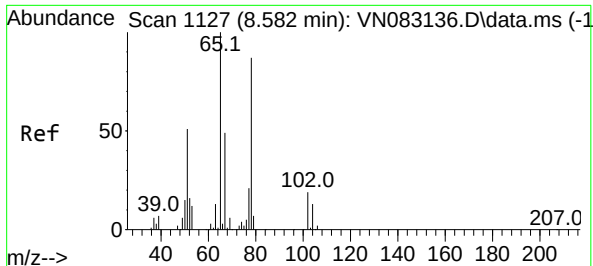
Ion Ratio Lower Upper

97 100

99 65.5 52.0 78.0

61 48.8 42.1 63.1





#33

1,2-Dichloroethane-d4

Concen: 56.131 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.005 min

Lab File: VN083469.D

Acq: 23 Aug 2024 18:45

Instrument :

MSVOA_N

ClientSampleId :

1049-MW-02(23.8)MSD

Tgt Ion: 65 Resp: 12488

Ion Ratio Lower Upper

65 100

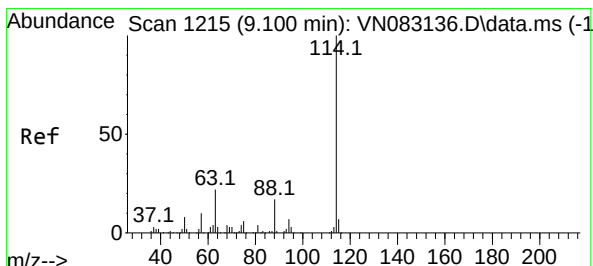
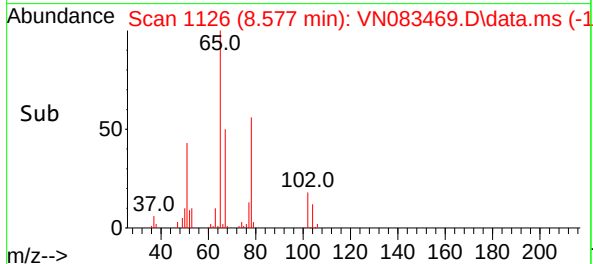
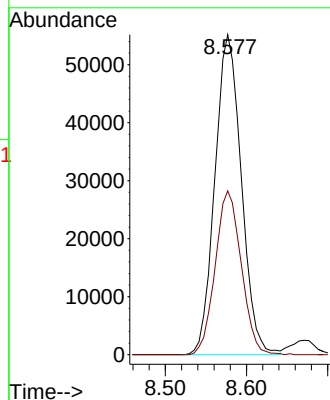
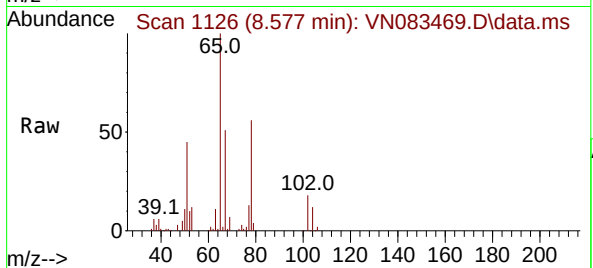
67 50.4 0.0 104.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/26/2024

Supervised By :Semsettin Yesilyurt 08/26/2024



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN083469.D

Acq: 23 Aug 2024 18:45

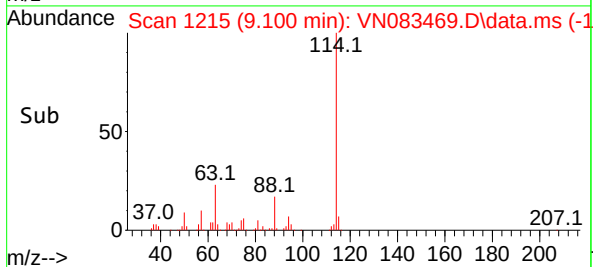
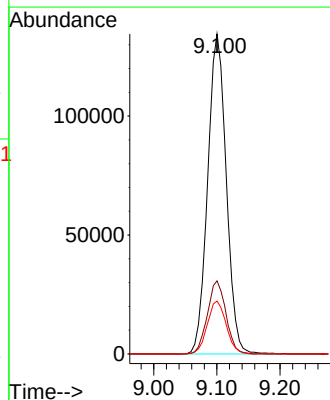
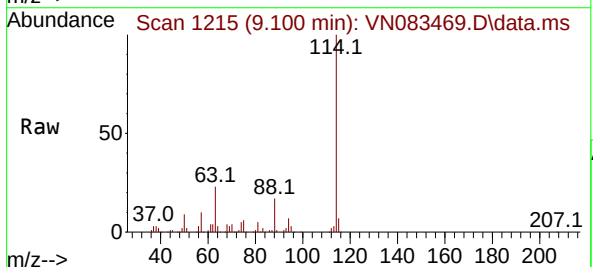
Tgt Ion:114 Resp: 275316

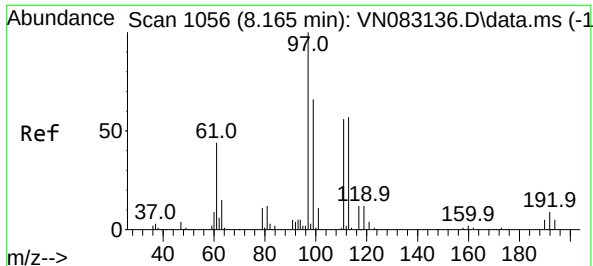
Ion Ratio Lower Upper

114 100

63 22.8 0.0 44.6

88 16.6 0.0 31.4





#35

Dibromofluoromethane

Concen: 51.953 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN083469.D

Acq: 23 Aug 2024 18:45

Instrument :

MSVOA_N

ClientSampleId :

1049-MW-02(23.8)MSD

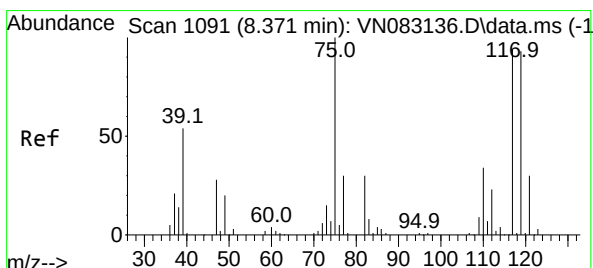
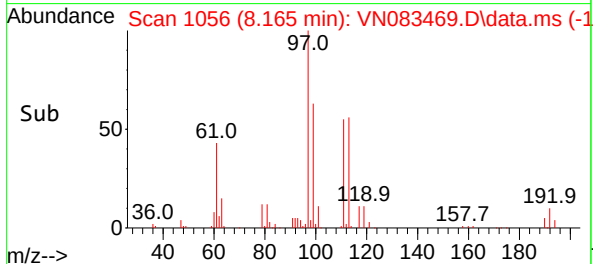
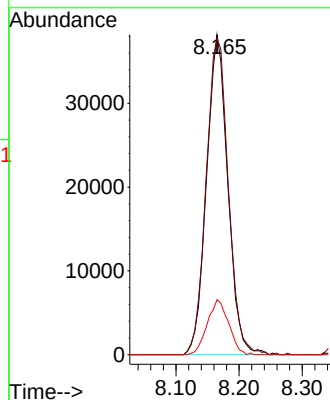
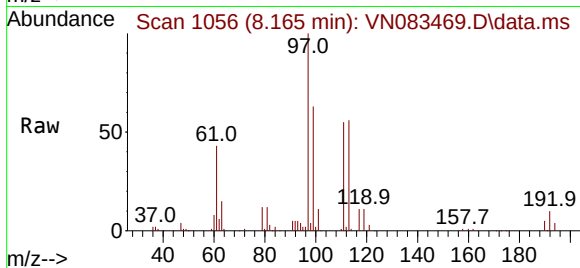
Tgt Ion:	113	Resp:	89279
Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.4	123.6
192	17.2	14.9	22.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/26/2024

Supervised By :Semsettin Yesilyurt 08/26/2024



#36

1,1-Dichloropropene

Concen: 46.442 ug/l

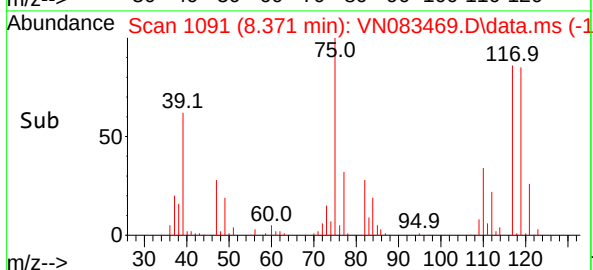
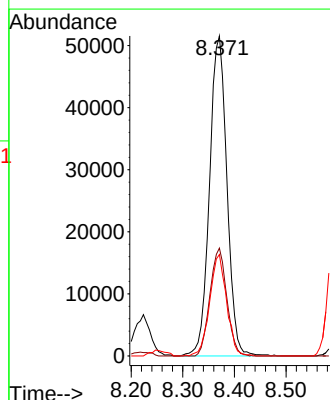
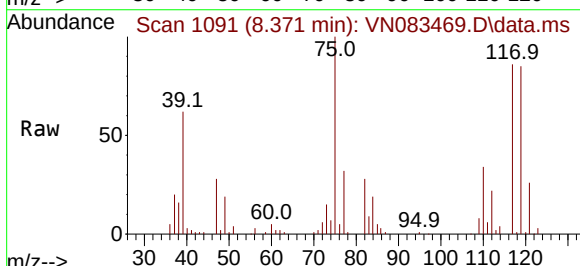
RT: 8.371 min Scan# 1091

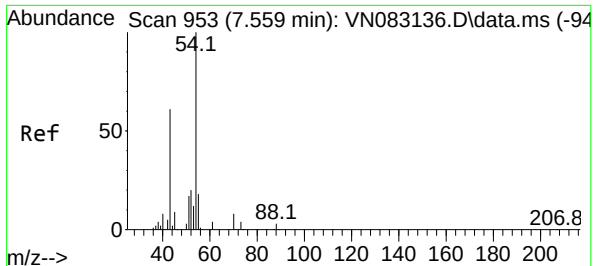
Delta R.T. 0.000 min

Lab File: VN083469.D

Acq: 23 Aug 2024 18:45

Tgt Ion:	75	Resp:	120728
Ion	Ratio	Lower	Upper
75	100		
110	32.6	16.3	48.9
77	30.8	24.6	37.0





#37

Ethyl Acetate

Concen: 41.698 ug/l

RT: 7.559 min Scan# 91

Delta R.T. 0.000 min

Lab File: VN083469.D

Acq: 23 Aug 2024 18:45

Instrument :

MSVOA_N

ClientSampleId :

1049-MW-02(23.8)MSD

Tgt Ion: 43 Resp: 121369

Ion Ratio Lower Upper

43 100

61 15.0 9.3 13.9

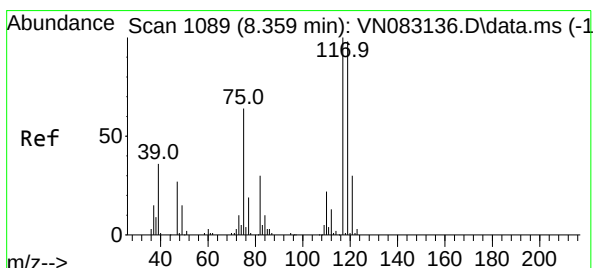
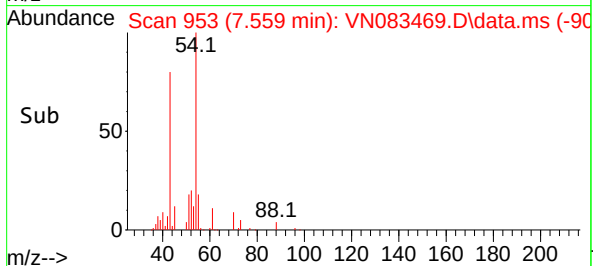
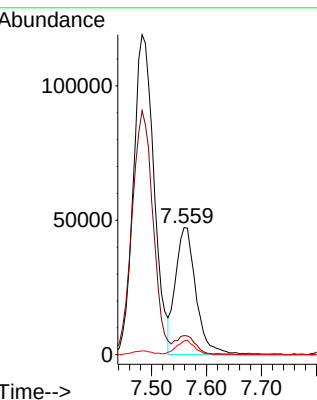
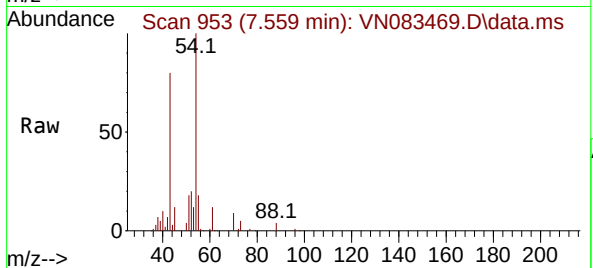
70 10.1 7.0 10.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/26/2024

Supervised By :Semsettin Yesilyurt 08/26/2024



#38

Carbon Tetrachloride

Concen: 48.435 ug/l

RT: 8.359 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VN083469.D

Acq: 23 Aug 2024 18:45

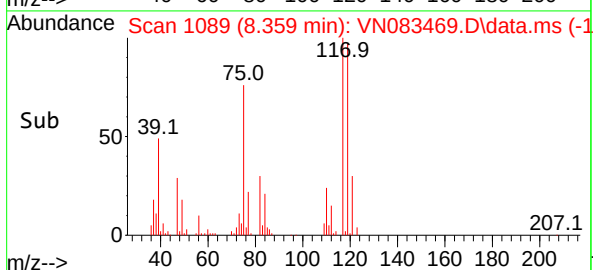
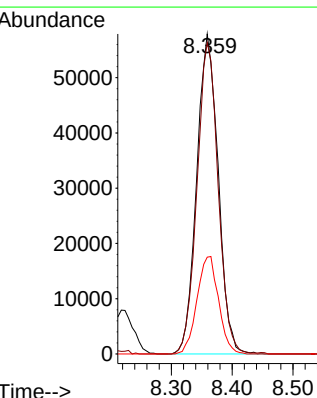
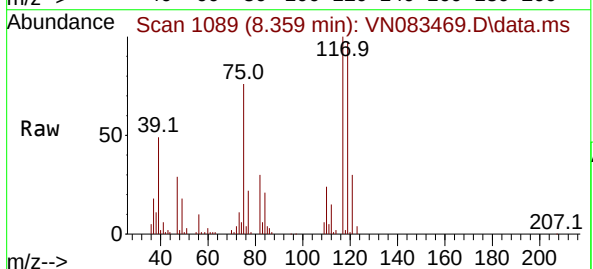
Tgt Ion:117 Resp: 141814

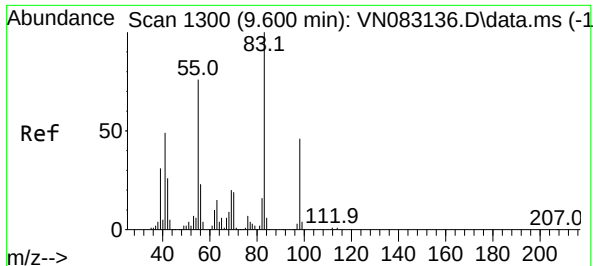
Ion Ratio Lower Upper

117 100

119 97.3 74.9 112.3

121 30.2 24.3 36.5





#39

Methylcyclohexane

Concen: 43.753 ug/l

RT: 9.600 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VN083469.D

Acq: 23 Aug 2024 18:45

Instrument :

MSVOA_N

ClientSampleId :

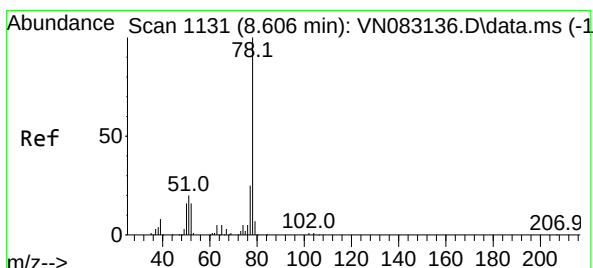
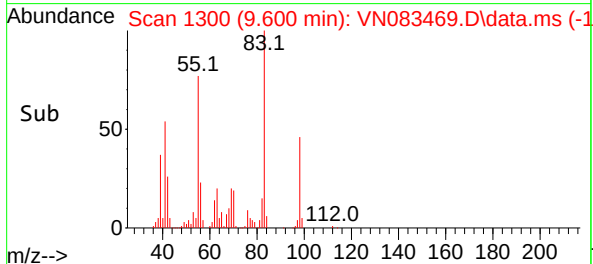
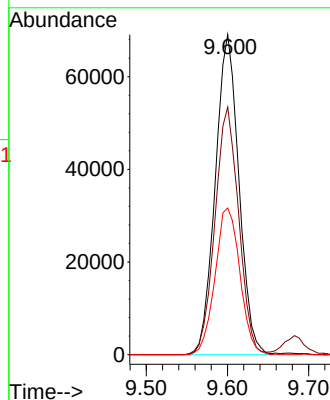
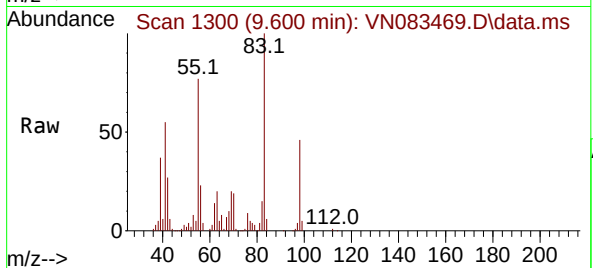
1049-MW-02(23.8)MSD

Tgt Ion:	83	Resp:	13970
Ion Ratio	Lower	Upper	
83	100		
55	77.4	66.4	99.6
98	45.8	40.7	61.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/26/2024

Supervised By :Semsettin Yesilyurt 08/26/2024



#40

Benzene

Concen: 48.438 ug/l

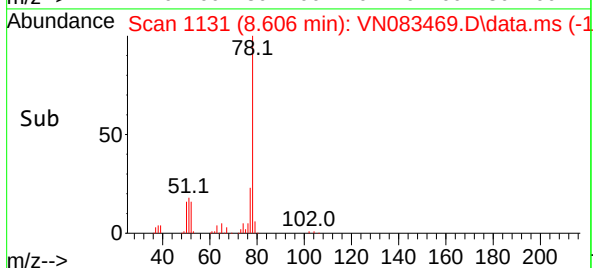
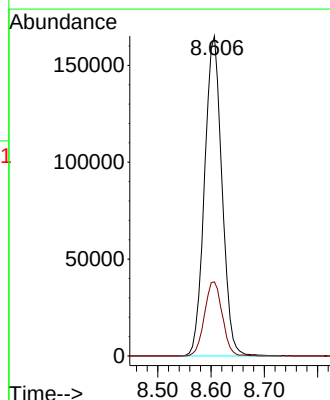
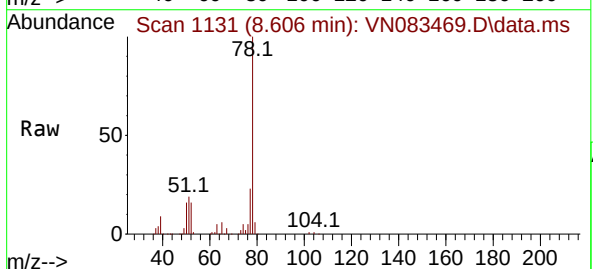
RT: 8.606 min Scan# 1131

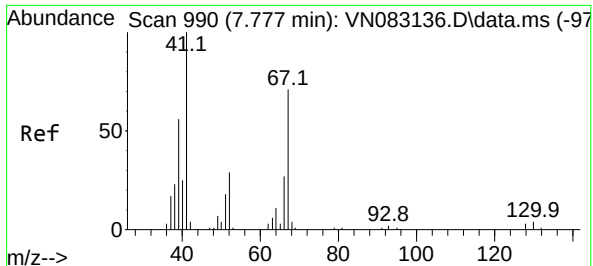
Delta R.T. 0.000 min

Lab File: VN083469.D

Acq: 23 Aug 2024 18:45

Tgt Ion:	78	Resp:	375110
Ion Ratio	Lower	Upper	
78	100		
77	23.1	19.0	28.4





#41

Methacrylonitrile

Concen: 44.399 ug/l

RT: 7.777 min Scan# 990

Delta R.T. 0.000 min

Lab File: VN083469.D

Acq: 23 Aug 2024 18:45

Instrument :

MSVOA_N

ClientSampleId :

1049-MW-02(23.8)MSD

Tgt Ion: 41 Resp: 73478

Ion Ratio Lower Upper

41 100

39 56.1 45.5 68.3

67 70.1 50.5 75.7

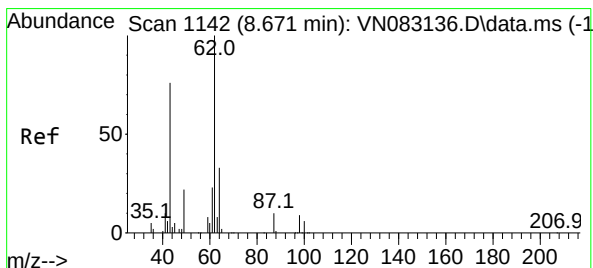
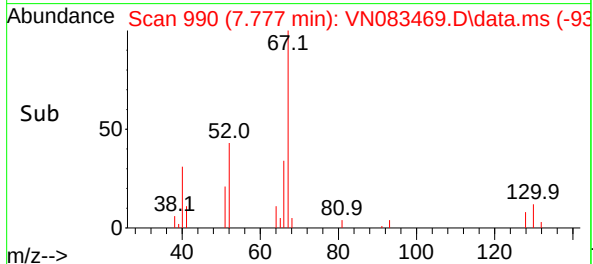
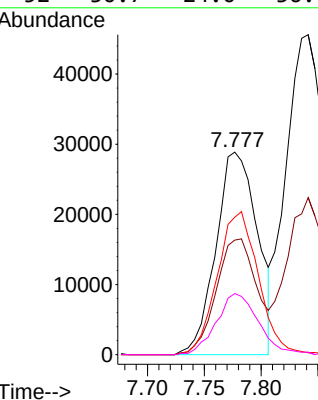
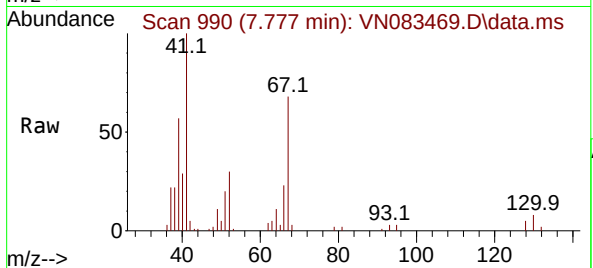
52 30.7 24.0 36.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/26/2024

Supervised By :Semsettin Yesilyurt 08/26/2024



#42

1,2-Dichloroethane

Concen: 50.644 ug/l

RT: 8.671 min Scan# 1142

Delta R.T. 0.000 min

Lab File: VN083469.D

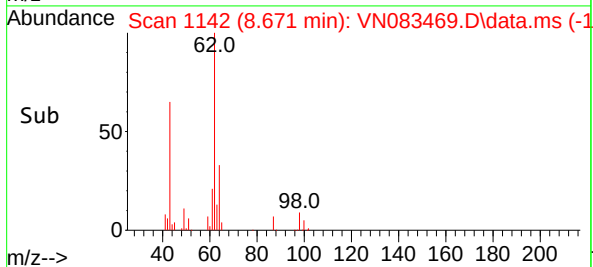
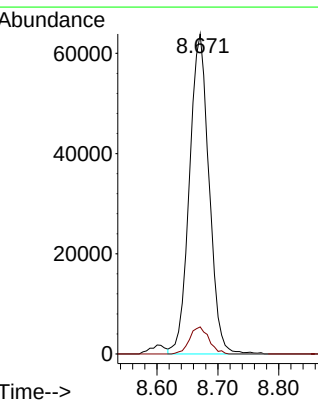
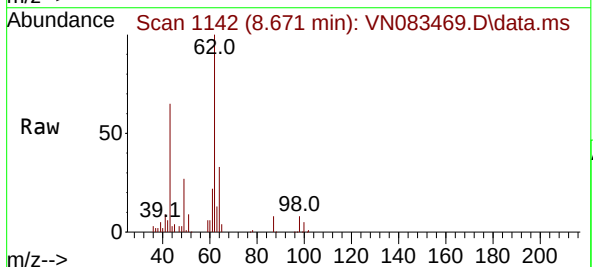
Acq: 23 Aug 2024 18:45

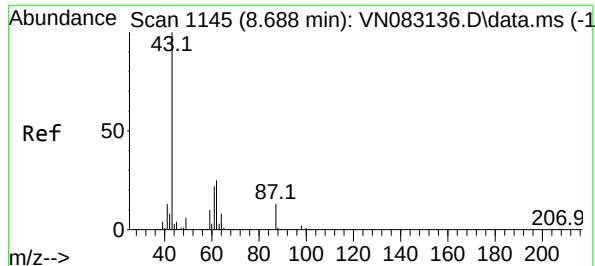
Tgt Ion: 62 Resp: 142868

Ion Ratio Lower Upper

62 100

98 8.3 0.0 15.8





#43

Isopropyl Acetate

Concen: 44.898 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VN083469.D

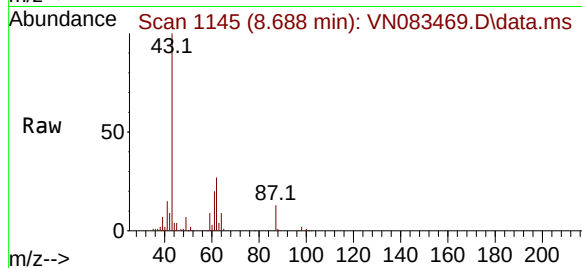
Acq: 23 Aug 2024 18:45

Instrument :

MSVOA_N

ClientSampleId :

1049-MW-02(23.8)MSD

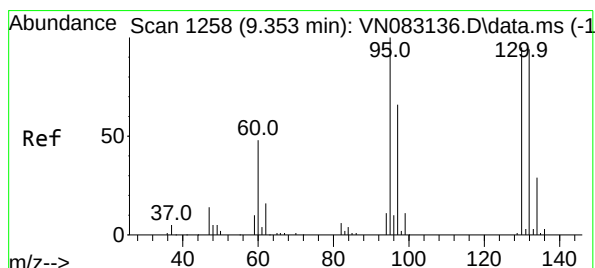
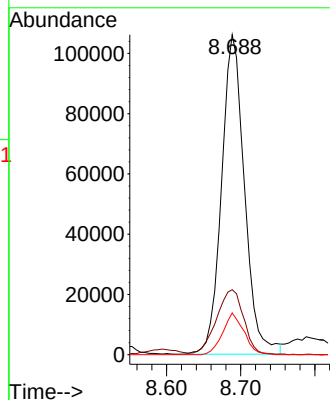
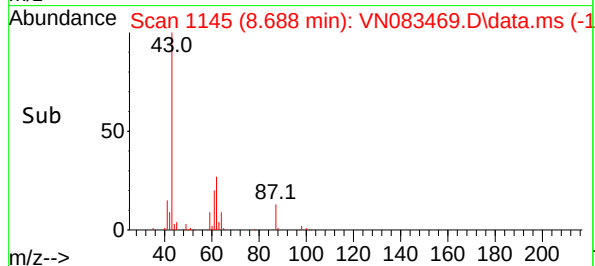


Tgt Ion:	43	Resp:	22829
Ion Ratio		Lower	Upper
43	100		
61	24.3	17.8	26.6
87	12.0	8.2	12.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/26/2024

Supervised By :Semsettin Yesilyurt 08/26/2024



#44

Trichloroethene

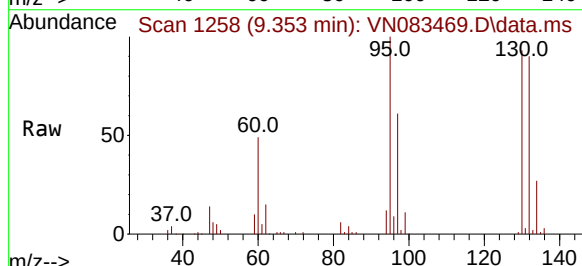
Concen: 78.153 ug/l

RT: 9.353 min Scan# 1258

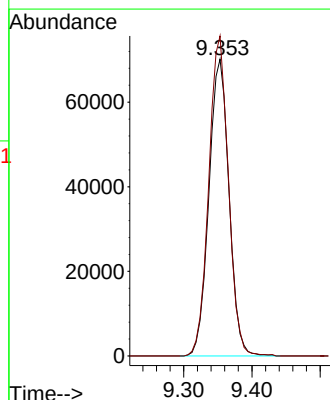
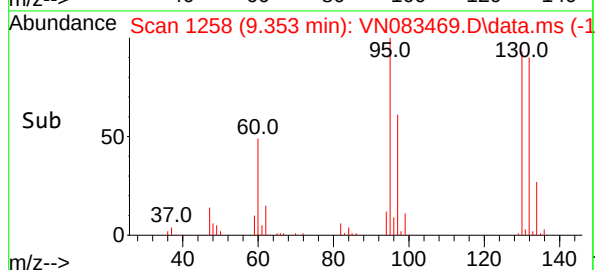
Delta R.T. 0.000 min

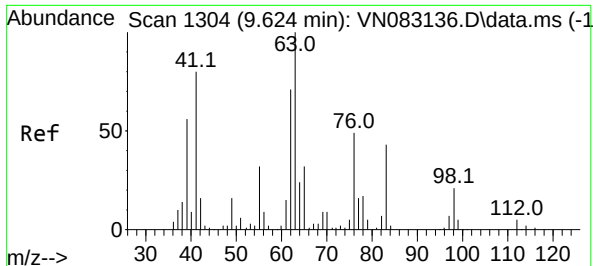
Lab File: VN083469.D

Acq: 23 Aug 2024 18:45



Tgt Ion:130	Resp:	144058	
Ion Ratio	Lower	Upper	
130 100			
95 107.8	0.0	197.8	





#45

1,2-Dichloropropane

Concen: 49.849 ug/l

RT: 9.624 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN083469.D

Acq: 23 Aug 2024 18:45

Instrument :

MSVOA_N

ClientSampleId :

1049-MW-02(23.8)MSD

Tgt Ion: 63 Resp: 9163

Ion Ratio Lower Upper

63 100

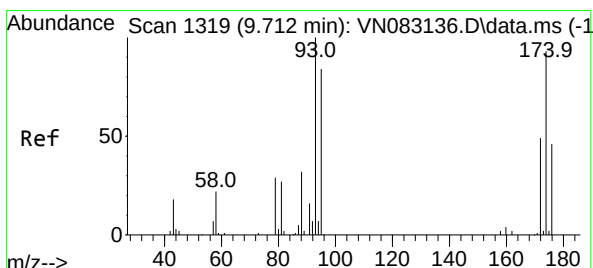
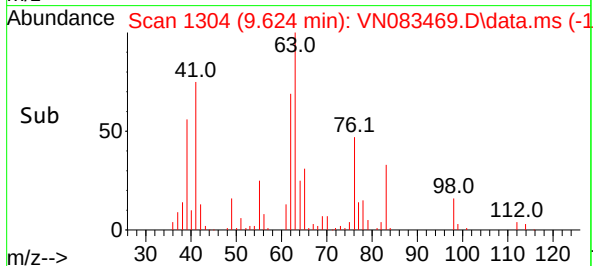
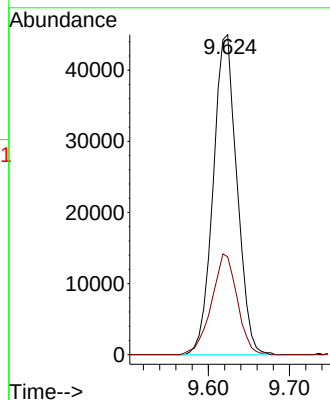
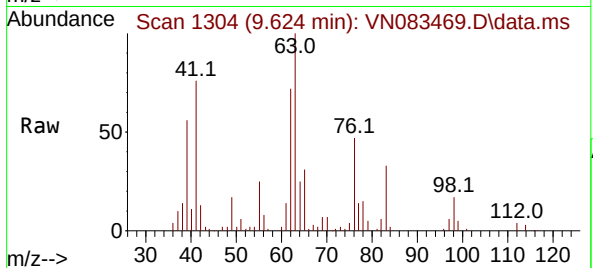
65 30.6 24.4 36.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/26/2024

Supervised By :Semsettin Yesilyurt 08/26/2024



#46

Dibromomethane

Concen: 50.662 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. -0.006 min

Lab File: VN083469.D

Acq: 23 Aug 2024 18:45

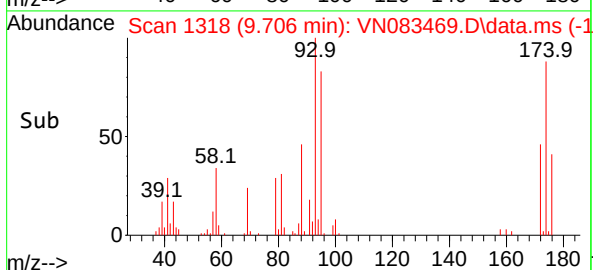
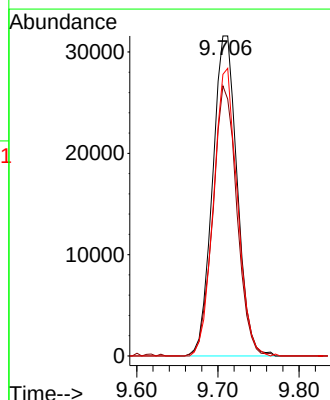
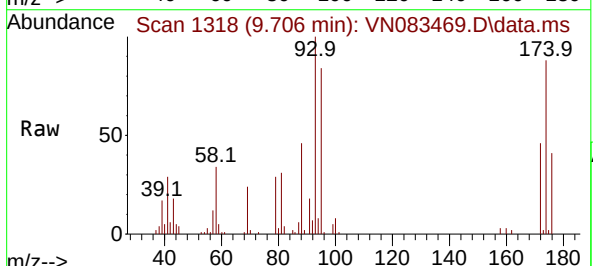
Tgt Ion: 93 Resp: 66659

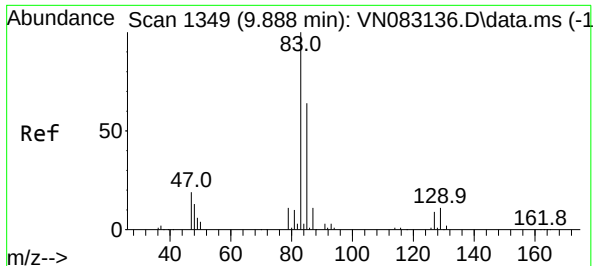
Ion Ratio Lower Upper

93 100

95 82.1 65.8 98.6

174 86.6 71.7 107.5





#47

Bromodichloromethane

Concen: 48.911 ug/l

RT: 9.888 min Scan# 1349

Delta R.T. 0.000 min

Lab File: VN083469.D

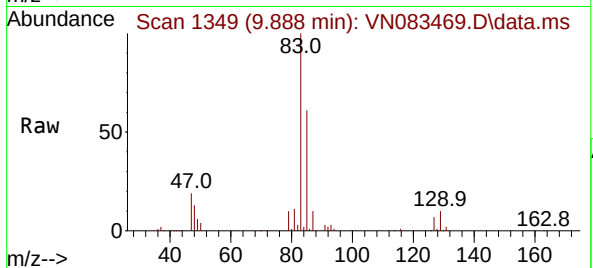
Acq: 23 Aug 2024 18:45

Instrument :

MSVOA_N

ClientSampleId :

1049-MW-02(23.8)MSD

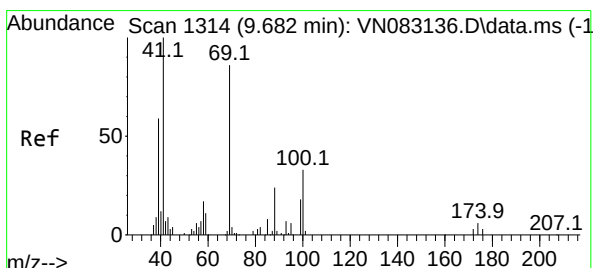
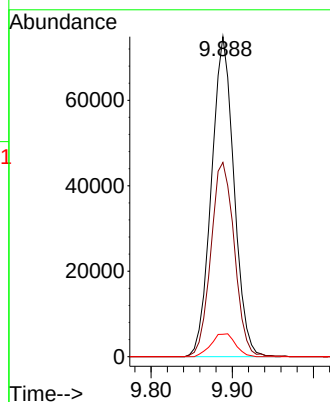
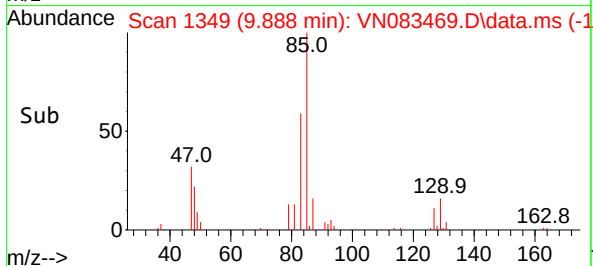


Tgt Ion:	83	Resp:	144500
Ion Ratio	Lower	Upper	
83	100		
85	60.7	51.1	76.7
127	7.0	7.2	10.8

Manual Integrations
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Reviewed By :John Carlone 08/26/2024

Supervised By :Semsettin Yesilyurt 08/26/2024



#48

Methyl methacrylate

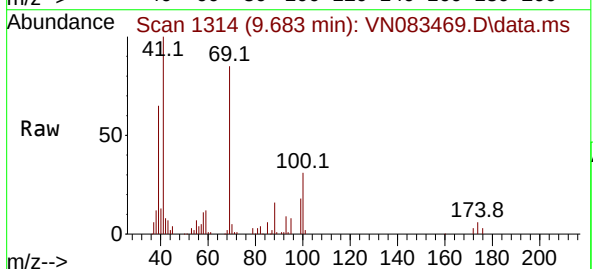
Concen: 45.205 ug/l

RT: 9.683 min Scan# 1314

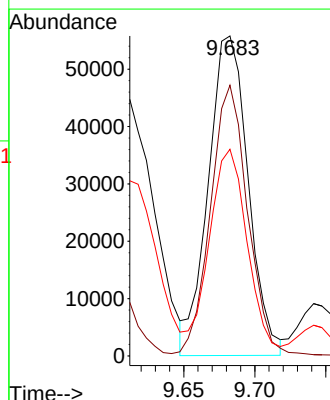
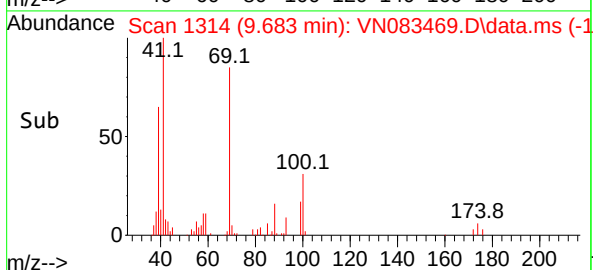
Delta R.T. 0.000 min

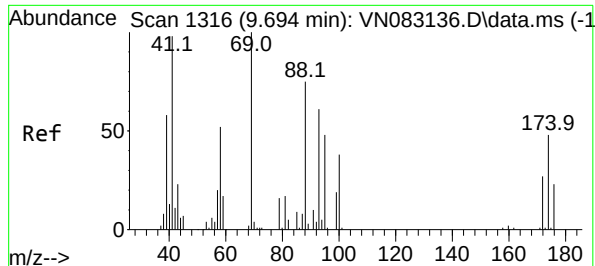
Lab File: VN083469.D

Acq: 23 Aug 2024 18:45



Tgt Ion:	41	Resp:	108780
Ion Ratio	Lower	Upper	
41	100		
69	79.7	56.3	84.5
39	62.9	50.3	75.5





#49

1,4-Dioxane

Concen: 898.645 ug/l

RT: 9.700 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN083469.D

Acq: 23 Aug 2024 18:45

Instrument :

MSVOA_N

ClientSampleId :

1049-MW-02(23.8)MSD

Tgt Ion: 88 Resp: 3901

Ion Ratio Lower Upper

88 100

43 0.0 27.8 41.8

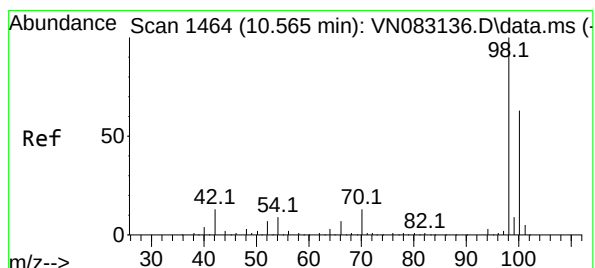
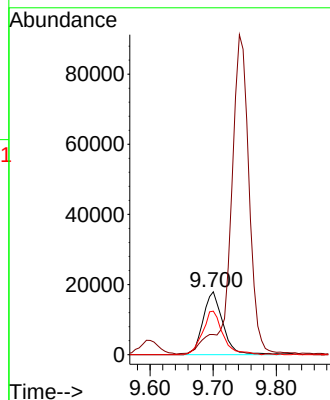
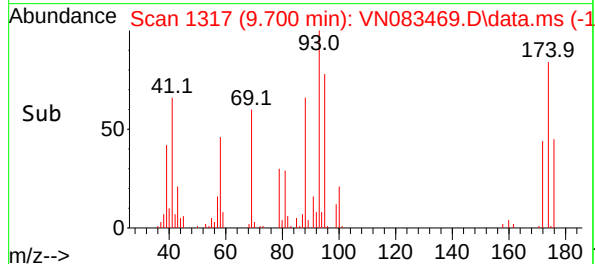
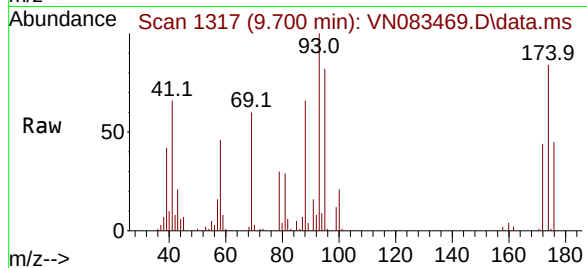
58 71.0 59.4 89.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/26/2024

Supervised By :Semsettin Yesilyurt 08/26/2024



#50

Toluene-d8

Concen: 51.553 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN083469.D

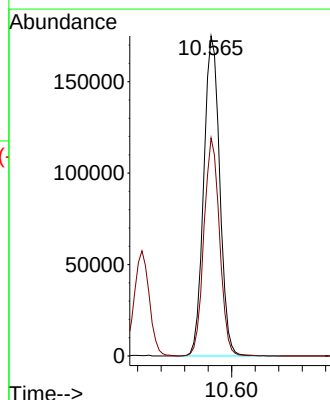
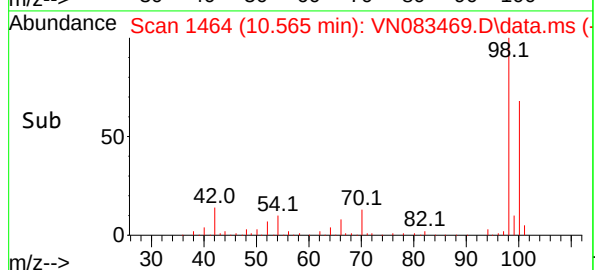
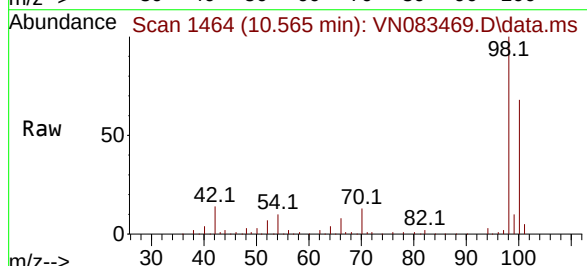
Acq: 23 Aug 2024 18:45

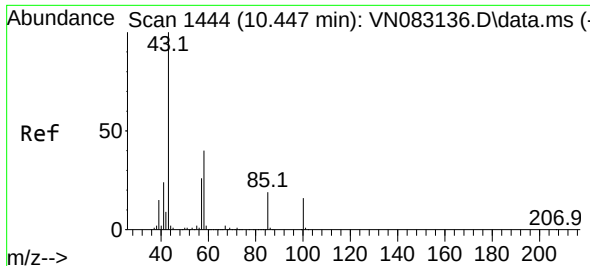
Tgt Ion: 98 Resp: 330468

Ion Ratio Lower Upper

98 100

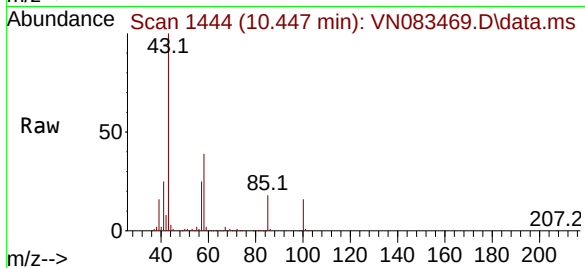
100 66.7 51.5 77.3





#51
4-Methyl-2-Pentanone
Concen: 239.712 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN083469.D
Acq: 23 Aug 2024 18:45

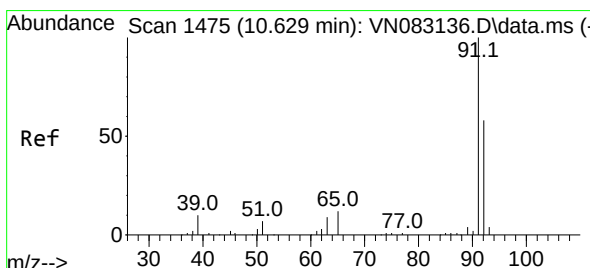
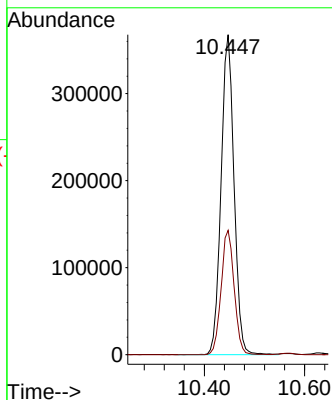
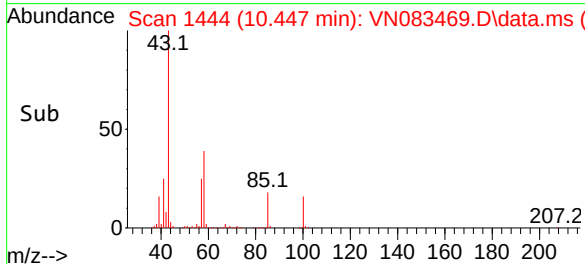
Instrument :
MSVOA_N
ClientSampleId :
1049-MW-02(23.8)MSD



Tgt Ion: 43 Resp: 659784
Ion Ratio Lower Upper
43 100
58 39.0 28.2 42.4

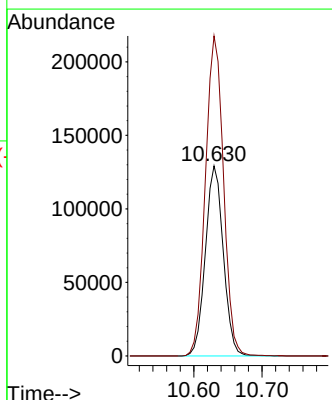
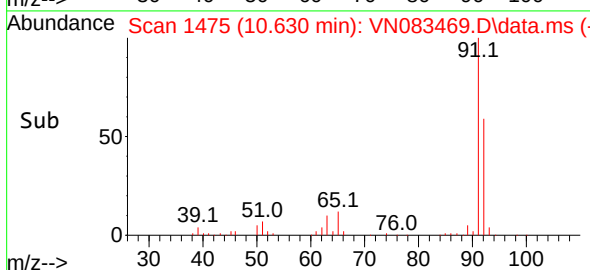
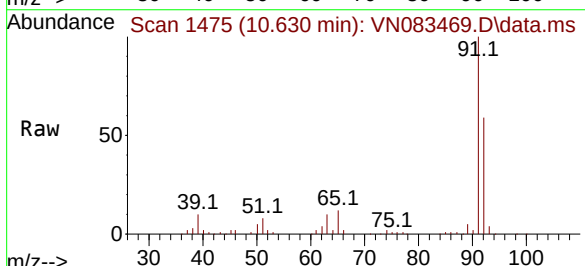
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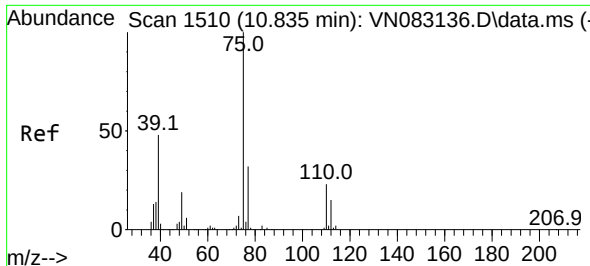
Reviewed By :John Carlone 08/26/2024
Supervised By :Semsettin Yesilyurt 08/26/2024



#52
Toluene
Concen: 48.412 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN083469.D
Acq: 23 Aug 2024 18:45

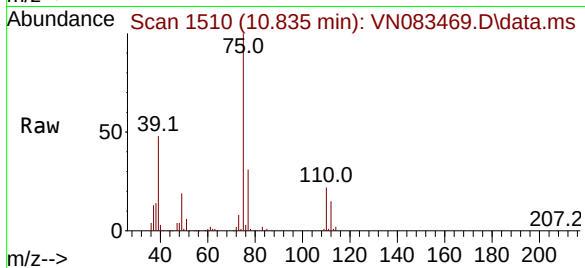
Tgt Ion: 92 Resp: 236884
Ion Ratio Lower Upper
92 100
91 169.9 139.4 209.0





#53
t-1,3-Dichloropropene
Concen: 47.170 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. 0.000 min
Lab File: VN083469.D
Acq: 23 Aug 2024 18:45

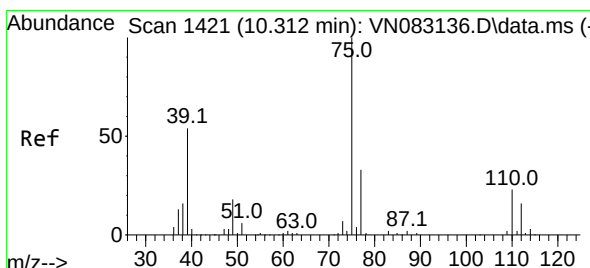
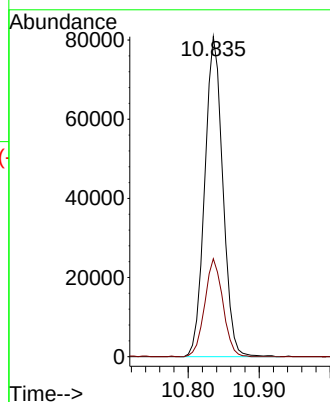
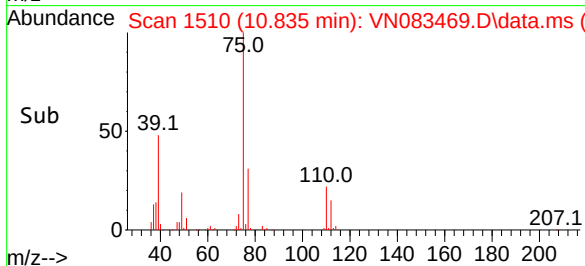
Instrument :
MSVOA_N
ClientSampleId :
1049-MW-02(23.8)MSD



Tgt Ion: 75 Resp: 14314
Ion Ratio Lower Upper
75 100
77 30.6 25.7 38.5

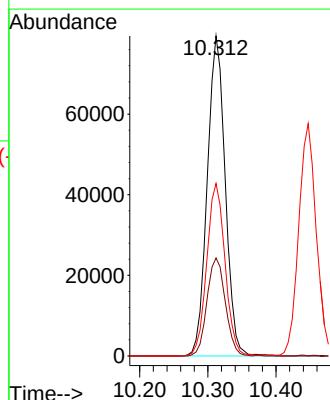
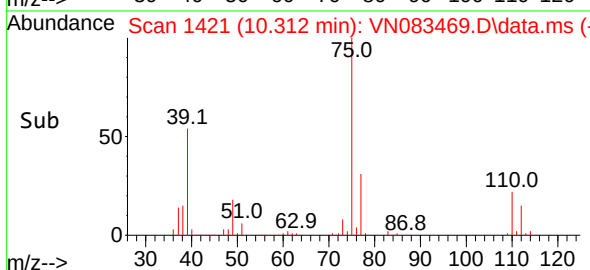
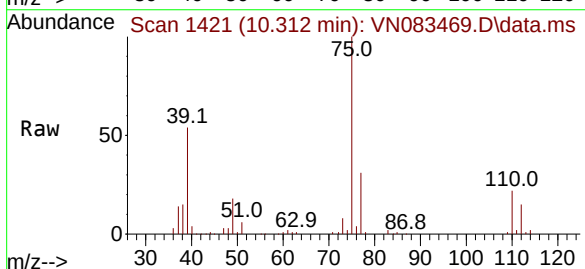
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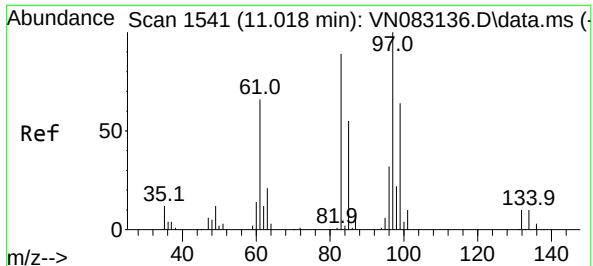
Reviewed By :John Carlone 08/26/2024
Supervised By :Semsettin Yesilyurt 08/26/2024



#54
cis-1,3-Dichloropropene
Concen: 45.143 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.000 min
Lab File: VN083469.D
Acq: 23 Aug 2024 18:45

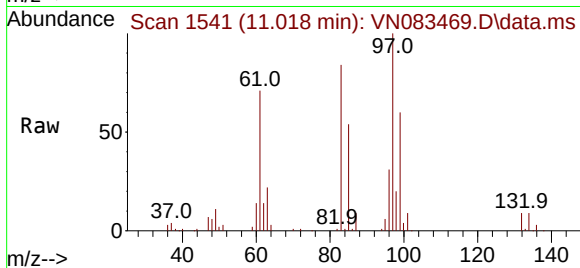
Tgt Ion: 75 Resp: 145717
Ion Ratio Lower Upper
75 100
77 30.6 24.3 36.5
39 53.9 50.5 75.7





#55
1,1,2-Trichloroethane
Concen: 50.449 ug/l
RT: 11.018 min Scan# 1541
Delta R.T. 0.000 min
Lab File: VN083469.D
Acq: 23 Aug 2024 18:45

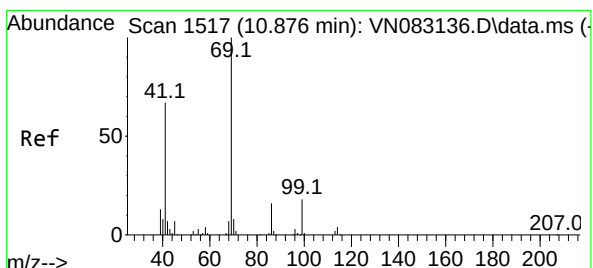
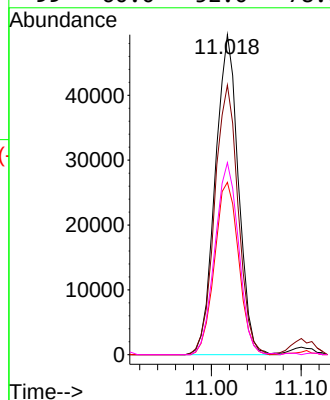
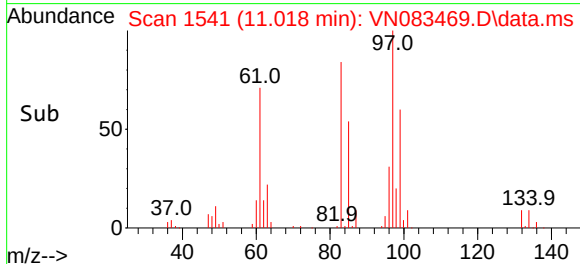
Instrument :
MSVOA_N
ClientSampleId :
1049-MW-02(23.8)MSD



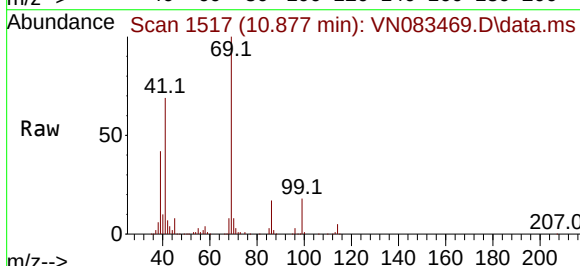
Tgt Ion: 97 Resp: 8846
Ion Ratio Lower Upper
97 100
83 84.2 71.4 107.0
85 53.8 45.8 68.6
99 60.0 52.0 78.0

Manual Integrations
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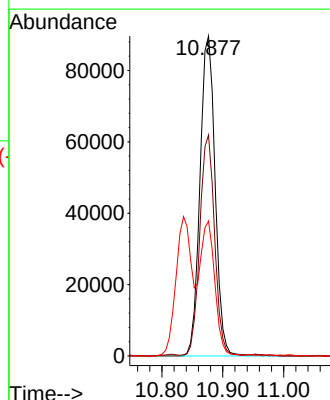
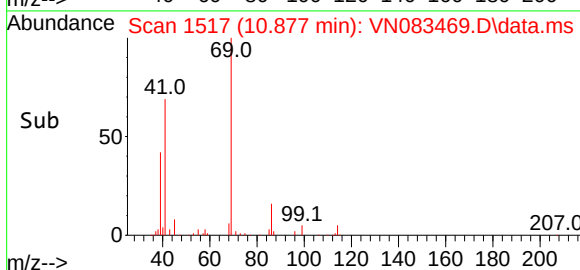
Reviewed By :John Carlone 08/26/2024
Supervised By :Semsettin Yesilyurt 08/26/2024

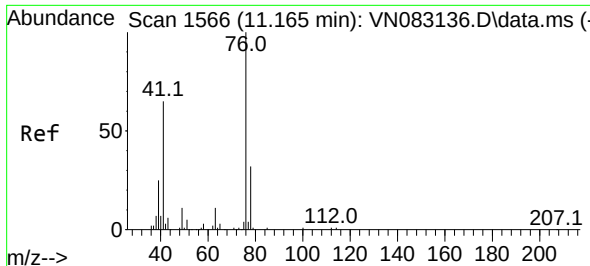


#56
Ethyl methacrylate
Concen: 46.740 ug/l
RT: 10.877 min Scan# 1517
Delta R.T. 0.000 min
Lab File: VN083469.D
Acq: 23 Aug 2024 18:45



Tgt Ion: 69 Resp: 154507
Ion Ratio Lower Upper
69 100
41 67.1 63.4 95.2
39 41.8 37.4 56.0





#57

1,3-Dichloropropane

Concen: 50.173 ug/l

RT: 11.165 min Scan# 1566

Delta R.T. 0.000 min

Lab File: VN083469.D

Acq: 23 Aug 2024 18:45

Instrument :

MSVOA_N

ClientSampleId :

1049-MW-02(23.8)MSD

Tgt Ion: 76 Resp: 156810

Ion Ratio Lower Upper

76 100

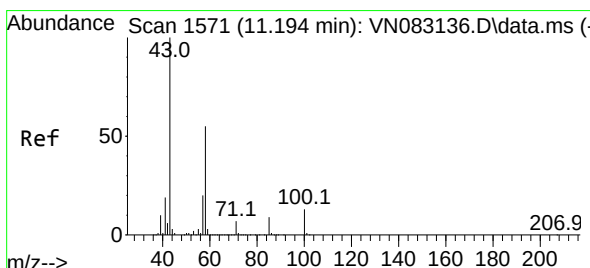
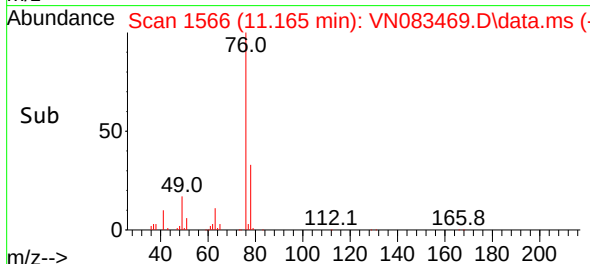
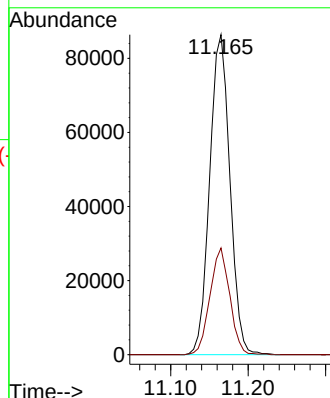
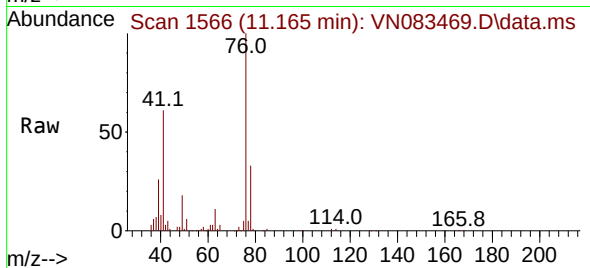
78 32.5 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/26/2024

Supervised By :Semsettin Yesilyurt 08/26/2024



#59

2-Hexanone

Concen: 235.776 ug/l

RT: 11.194 min Scan# 1571

Delta R.T. 0.000 min

Lab File: VN083469.D

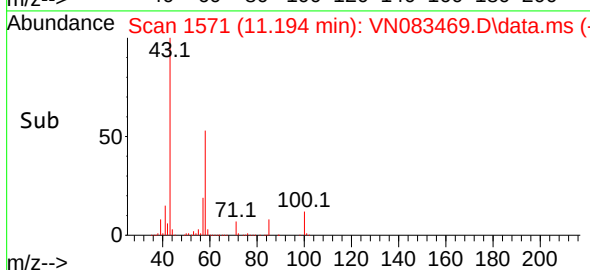
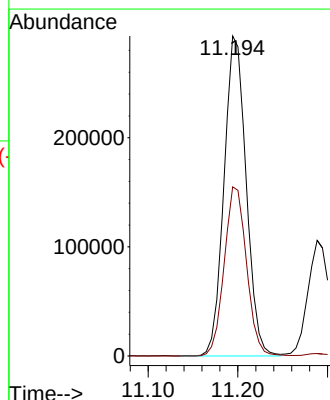
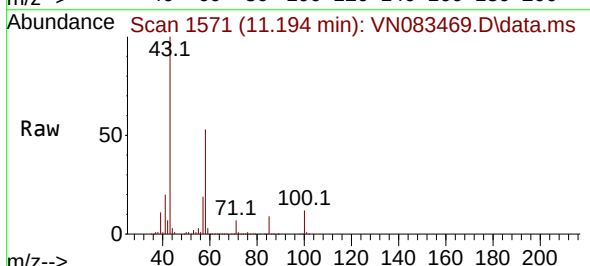
Acq: 23 Aug 2024 18:45

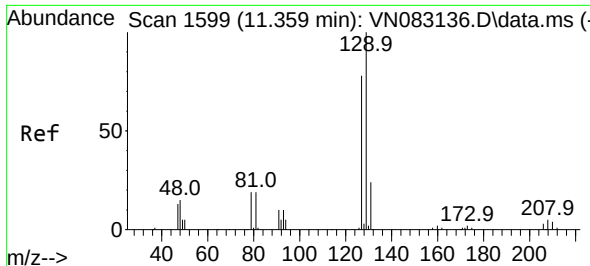
Tgt Ion: 43 Resp: 502054

Ion Ratio Lower Upper

43 100

58 53.4 24.6 73.8





#60

Dibromochloromethane

Concen: 49.078 ug/l

RT: 11.359 min Scan# 1599

Delta R.T. 0.000 min

Lab File: VN083469.D

Acq: 23 Aug 2024 18:45

Instrument :

MSVOA_N

ClientSampleId :

1049-MW-02(23.8)MSD

Tgt Ion:129 Resp: 104050

Ion Ratio Lower Upper

129 100

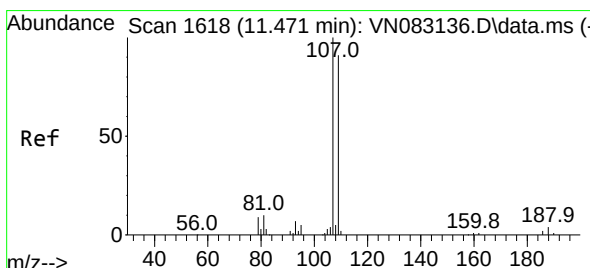
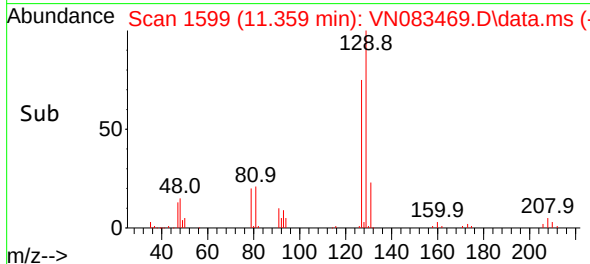
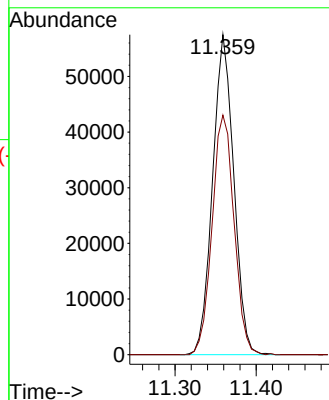
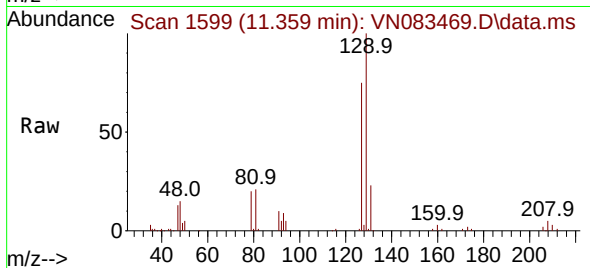
127 77.8 39.2 117.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/26/2024

Supervised By :Semsettin Yesilyurt 08/26/2024



#61

1,2-Dibromoethane

Concen: 48.231 ug/l

RT: 11.471 min Scan# 1618

Delta R.T. 0.000 min

Lab File: VN083469.D

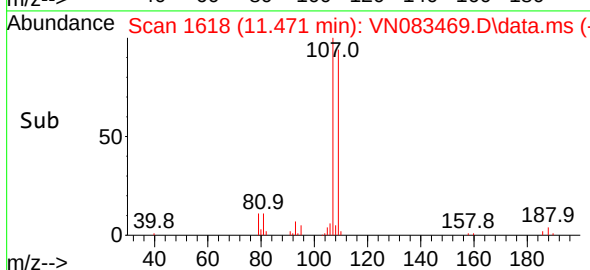
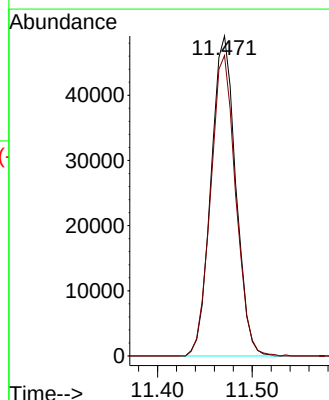
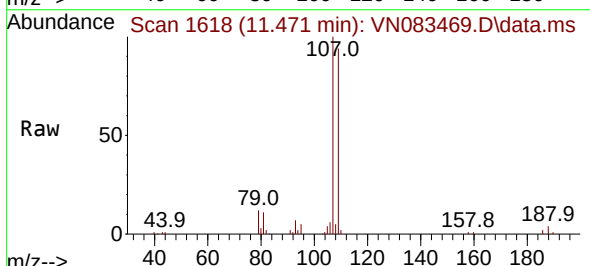
Acq: 23 Aug 2024 18:45

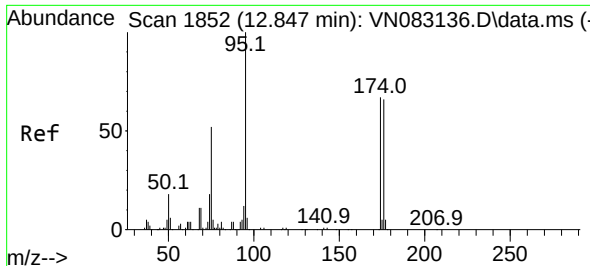
Tgt Ion:107 Resp: 88845

Ion Ratio Lower Upper

107 100

109 95.2 73.7 110.5





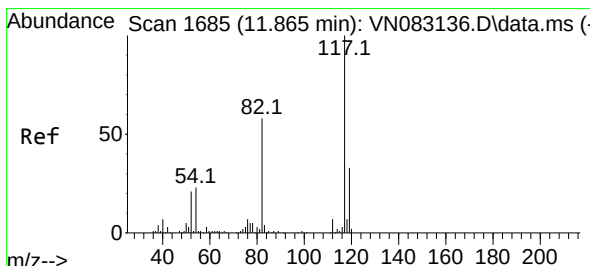
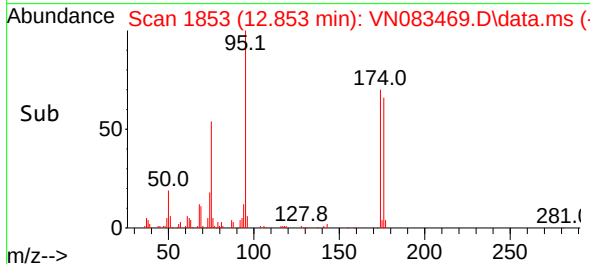
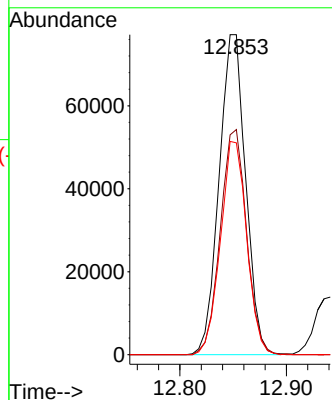
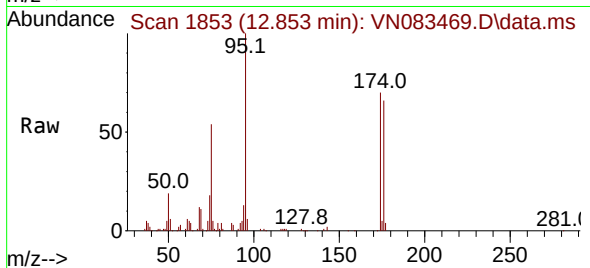
#62
4-Bromofluorobenzene
Concen: 53.341 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN083469.D
Acq: 23 Aug 2024 18:45

Instrument :
MSVOA_N
ClientSampleId :
1049-MW-02(23.8)MSD

Tgt Ion: 95 Resp: 133304
Ion Ratio Lower Upper
95 100
174 69.8 0.0 159.2
176 65.9 0.0 147.6

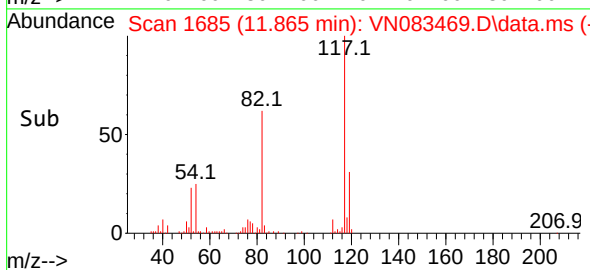
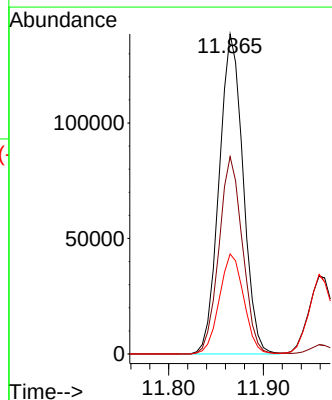
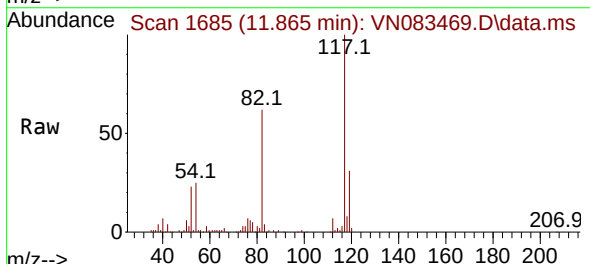
Manual Integrations
APPROVED

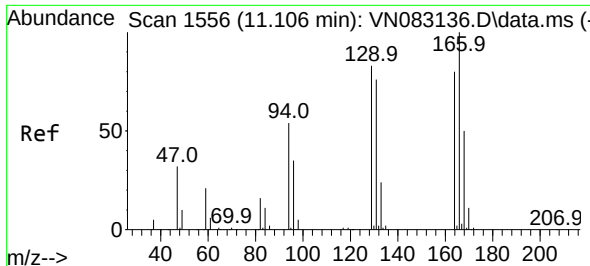
Reviewed By :John Carlone 08/26/2024
Supervised By :Semsettin Yesilyurt 08/26/2024



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN083469.D
Acq: 23 Aug 2024 18:45

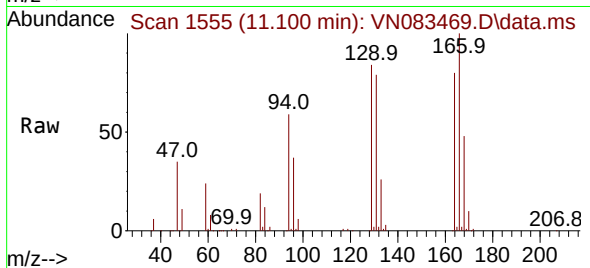
Tgt Ion:117 Resp: 243349
Ion Ratio Lower Upper
117 100
82 61.7 47.5 71.3
119 31.3 25.6 38.4





#64
Tetrachloroethene
Concen: 110.678 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.006 min
Lab File: VN083469.D
Acq: 23 Aug 2024 18:45

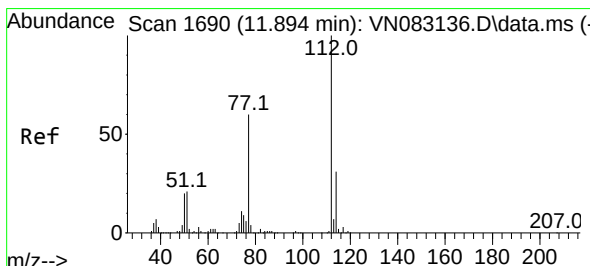
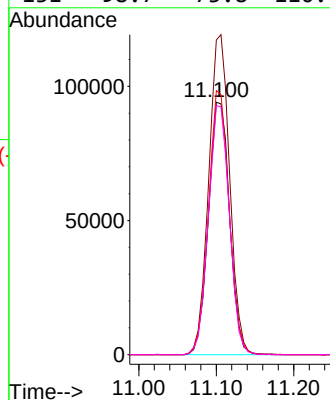
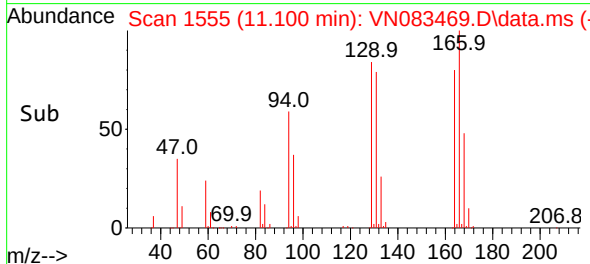
Instrument :
MSVOA_N
ClientSampleId :
1049-MW-02(23.8)MSD



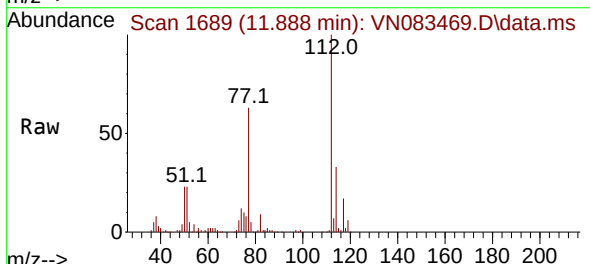
Tgt Ion:164 Resp: 17837
Ion Ratio Lower Upper
164 100
166 124.7 101.4 152.0
129 104.6 75.7 113.5
131 98.7 73.8 110.6

Manual Integrations
APPROVED

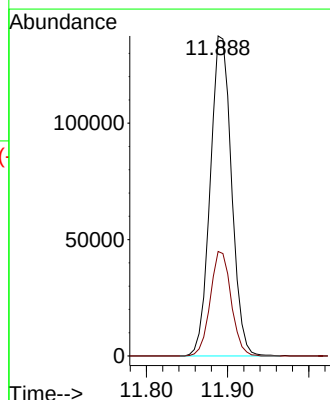
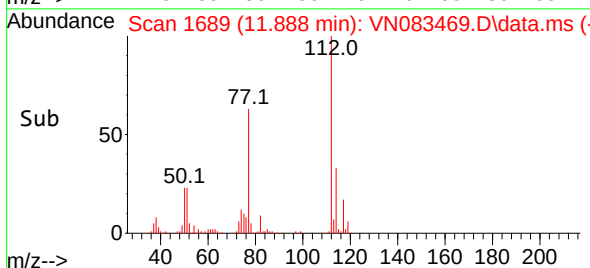
Reviewed By :John Carlone 08/26/2024
Supervised By :Semsettin Yesilyurt 08/26/2024

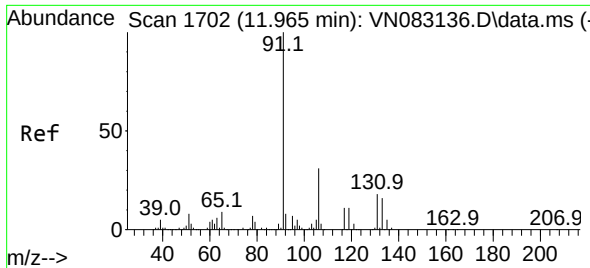


#65
Chlorobenzene
Concen: 46.496 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. -0.006 min
Lab File: VN083469.D
Acq: 23 Aug 2024 18:45



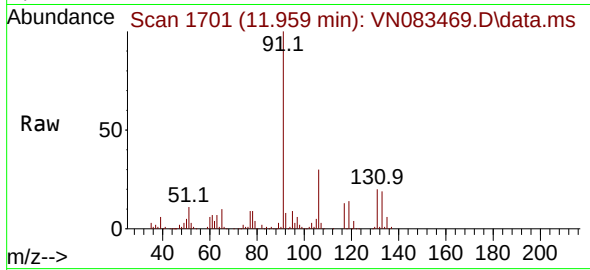
Tgt Ion:112 Resp: 250043
Ion Ratio Lower Upper
112 100
114 32.7 26.2 39.2





#66
1,1,1,2-Tetrachloroethane
Concen: 47.342 ug/l
RT: 11.959 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN083469.D
Acq: 23 Aug 2024 18:45

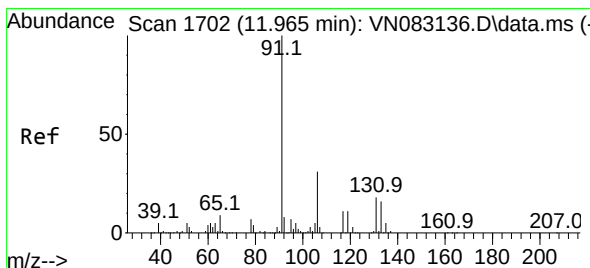
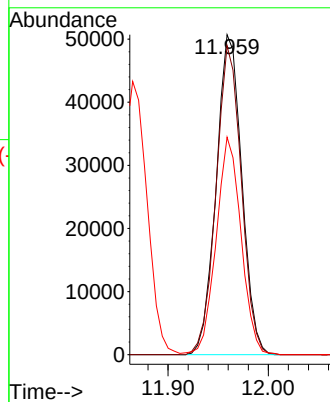
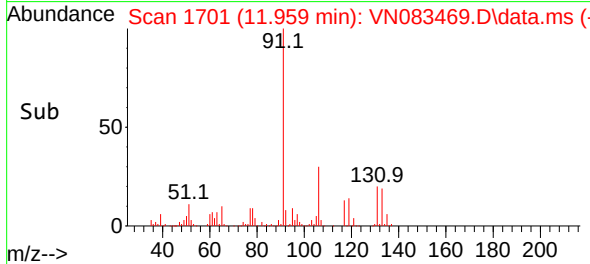
Instrument :
MSVOA_N
ClientSampleId :
1049-MW-02(23.8)MSD



Tgt Ion:131 Resp: 89790
Ion Ratio Lower Upper
131 100
133 95.4 47.3 142.0
119 66.1 32.5 97.4

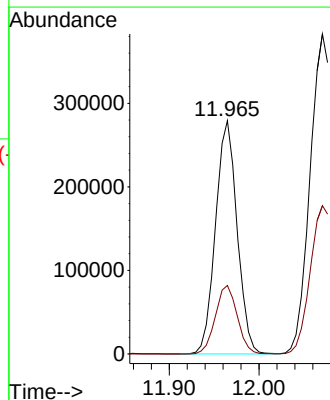
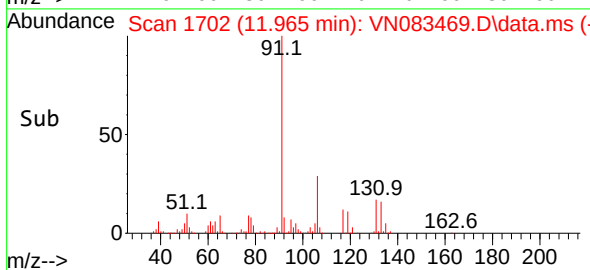
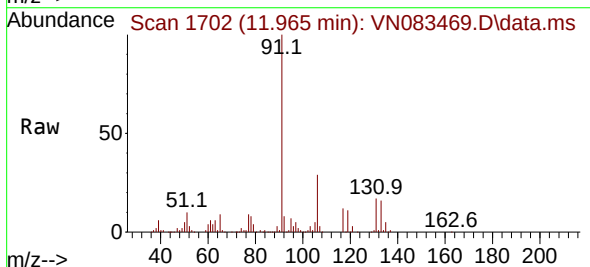
Manual Integrations
APPROVED

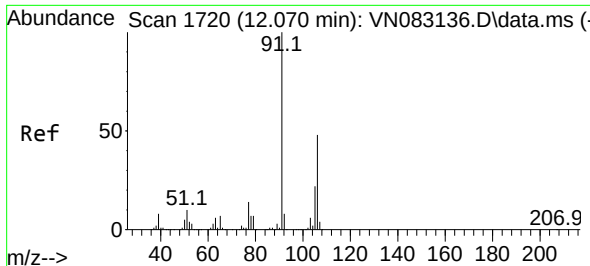
Reviewed By :John Carlone 08/26/2024
Supervised By :Semsettin Yesilyurt 08/26/2024



#67
Ethyl Benzene
Concen: 47.243 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.000 min
Lab File: VN083469.D
Acq: 23 Aug 2024 18:45

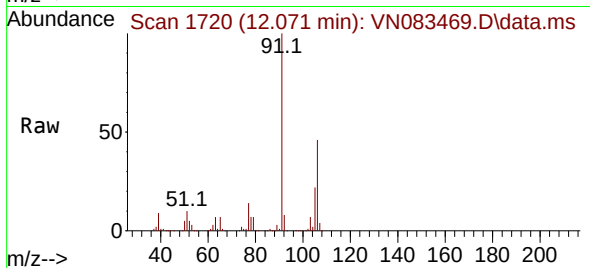
Tgt Ion: 91 Resp: 466061
Ion Ratio Lower Upper
91 100
106 29.4 24.0 36.0





#68
m/p-Xylenes
Concen: 94.541 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN083469.D
Acq: 23 Aug 2024 18:45

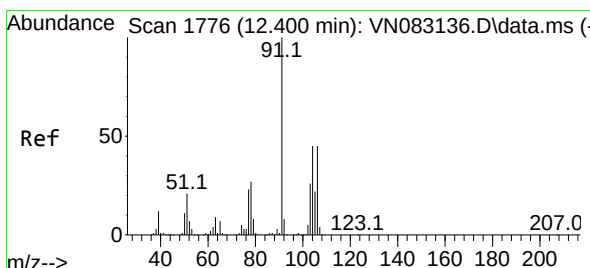
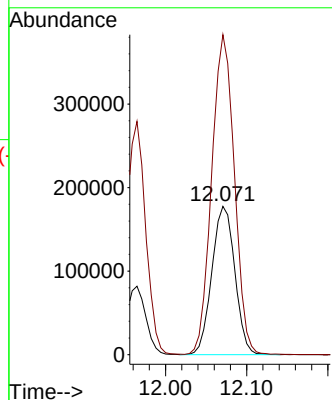
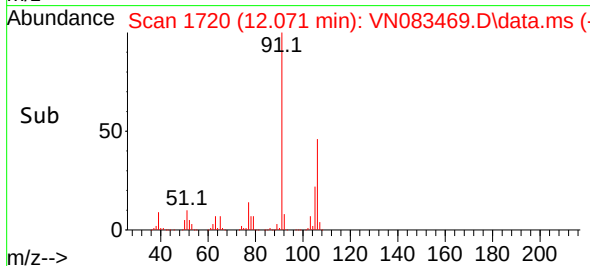
Instrument :
MSVOA_N
ClientSampleId :
1049-MW-02(23.8)MSD



Tgt Ion:106 Resp: 34937
Ion Ratio Lower Upper
106 100
91 213.6 166.1 249.1

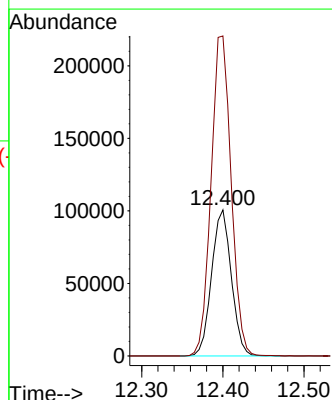
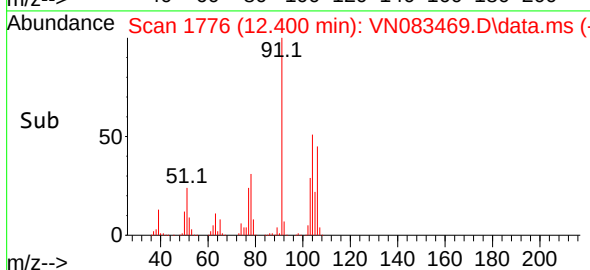
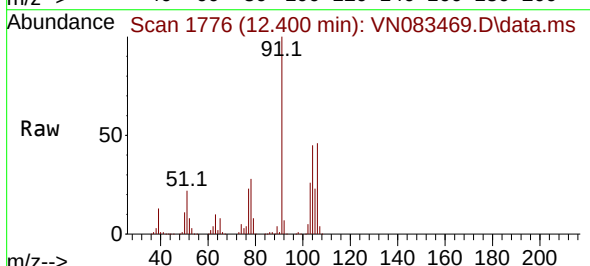
Manual Integrations
APPROVED

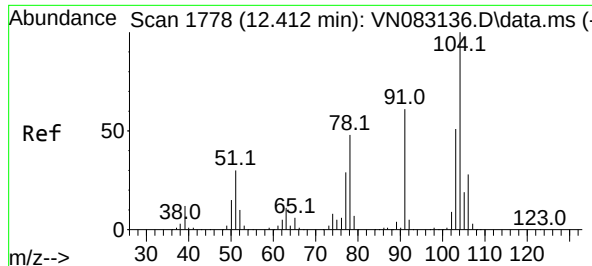
Reviewed By :John Carlone 08/26/2024
Supervised By :Semsettin Yesilyurt 08/26/2024



#69
o-Xylene
Concen: 46.696 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. 0.000 min
Lab File: VN083469.D
Acq: 23 Aug 2024 18:45

Tgt Ion:106 Resp: 170193
Ion Ratio Lower Upper
106 100
91 223.0 111.3 333.9





#70

Styrene

Concen: 46.860 ug/l

RT: 12.412 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN083469.D

Acq: 23 Aug 2024 18:45

Instrument :

MSVOA_N

ClientSampleId :

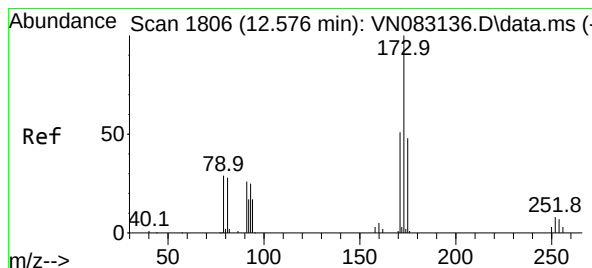
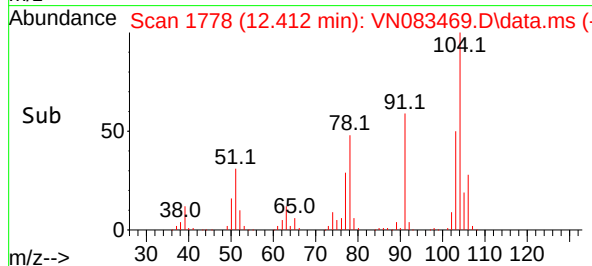
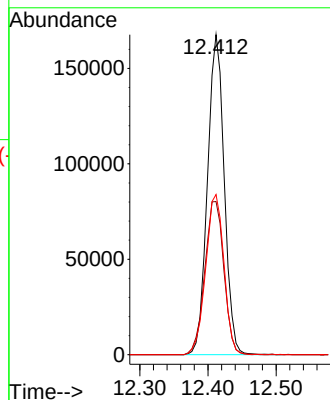
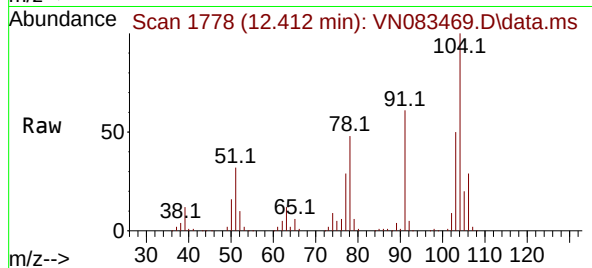
1049-MW-02(23.8)MSD

Tgt Ion:104	Resp:	286849
Ion Ratio	Lower	Upper
104	100	
78	54.5	41.6 62.4
103	54.5	44.0 66.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/26/2024

Supervised By :Semsettin Yesilyurt 08/26/2024



#71

Bromoform

Concen: 46.993 ug/l

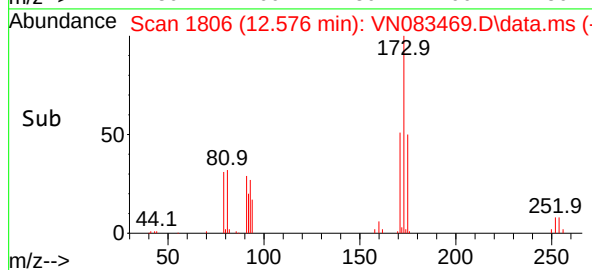
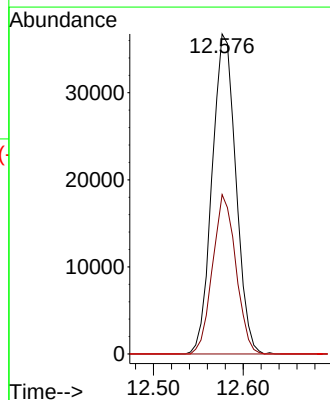
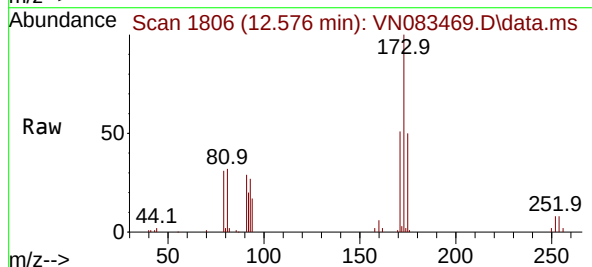
RT: 12.576 min Scan# 1806

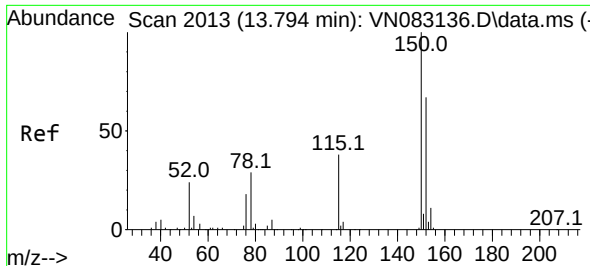
Delta R.T. 0.000 min

Lab File: VN083469.D

Acq: 23 Aug 2024 18:45

Tgt Ion:173	Resp:	67521
Ion Ratio	Lower	Upper
173	100	
175	48.7	24.0 72.0
254	0.0	0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.000 min

Lab File: VN083469.D

Acq: 23 Aug 2024 18:45

Instrument :

MSVOA_N

ClientSampleId :

1049-MW-02(23.8)MSD

Tgt Ion:152 Resp: 125992

Ion Ratio Lower Upper

152 100

115 65.1 30.6 91.6

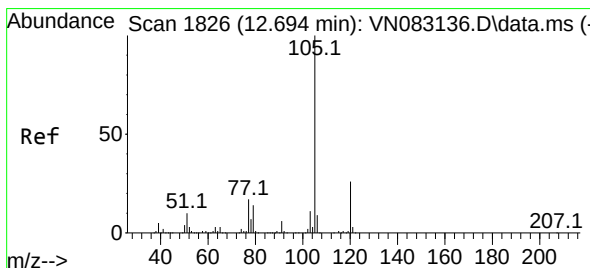
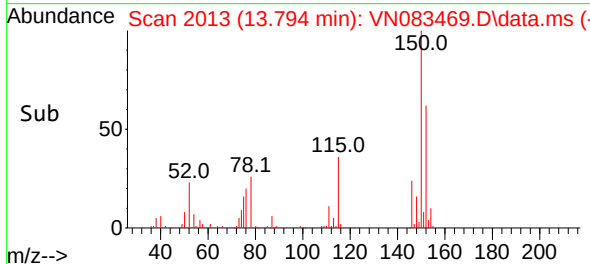
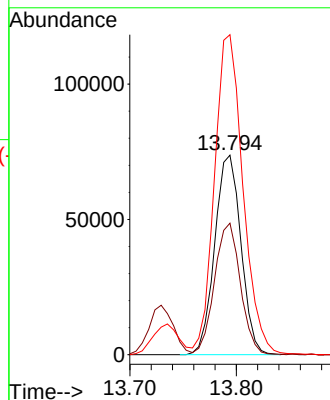
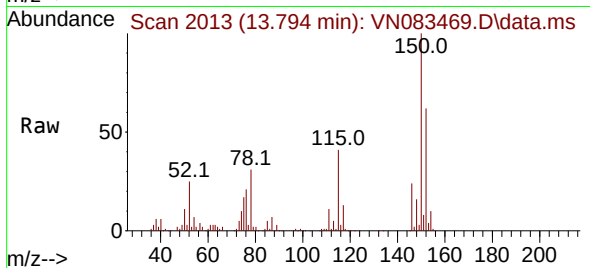
150 174.4 0.0 348.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/26/2024

Supervised By :Semsettin Yesilyurt 08/26/2024



#73

Isopropylbenzene

Concen: 41.310 ug/l

RT: 12.694 min Scan# 1826

Delta R.T. 0.000 min

Lab File: VN083469.D

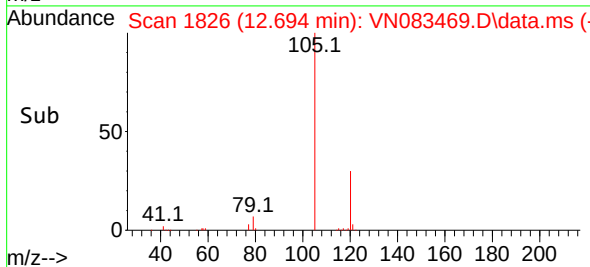
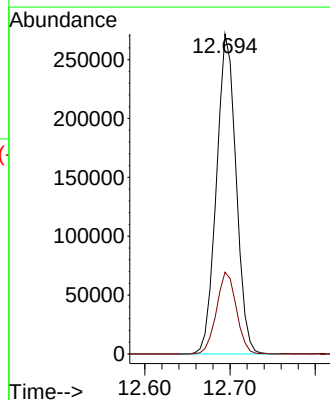
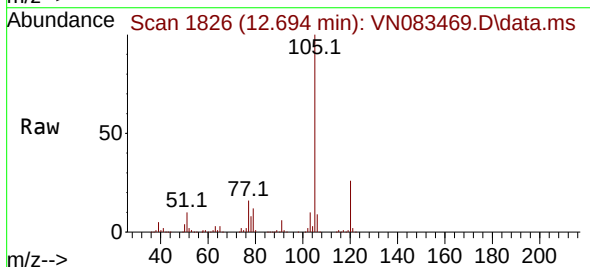
Acq: 23 Aug 2024 18:45

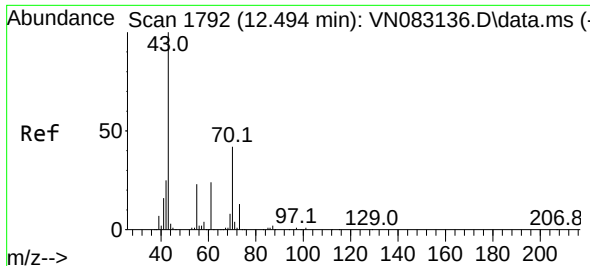
Tgt Ion:105 Resp: 435341

Ion Ratio Lower Upper

105 100

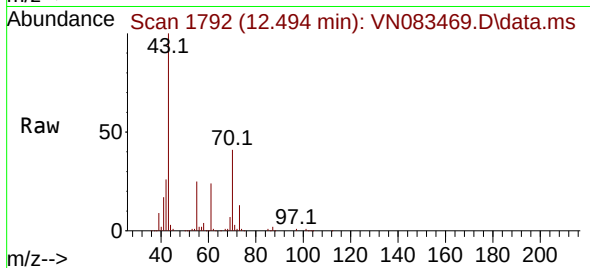
120 25.8 12.9 38.6





#74
N-amy1 acetate
Concen: 37.182 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VN083469.D
Acq: 23 Aug 2024 18:45

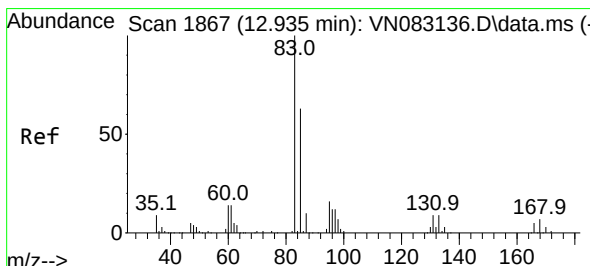
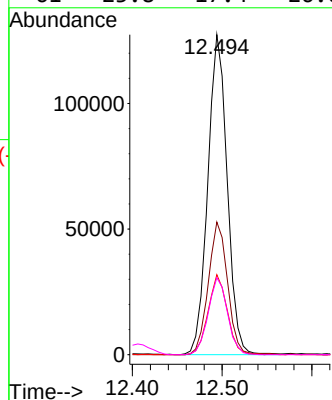
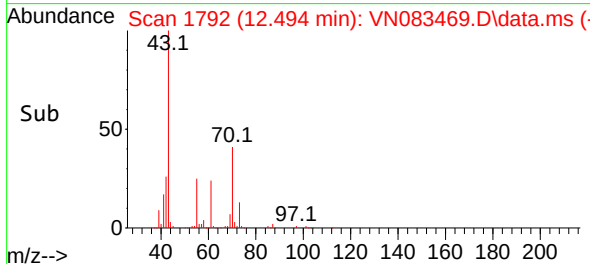
Instrument :
MSVOA_N
ClientSampleId :
1049-MW-02(23.8)MSD



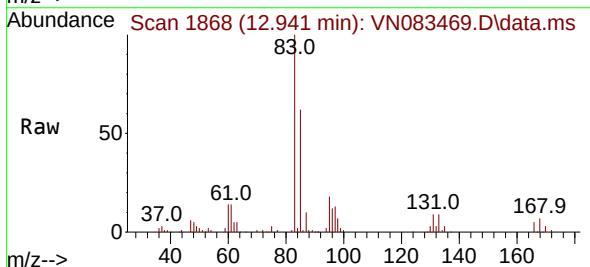
Tgt Ion: 43 Resp: 191660
Ion Ratio Lower Upper
43 100
70 41.0 29.8 44.6
55 24.8 18.7 28.1
61 23.8 17.4 26.0

Manual Integrations
APPROVED

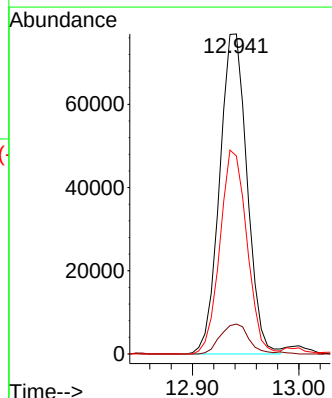
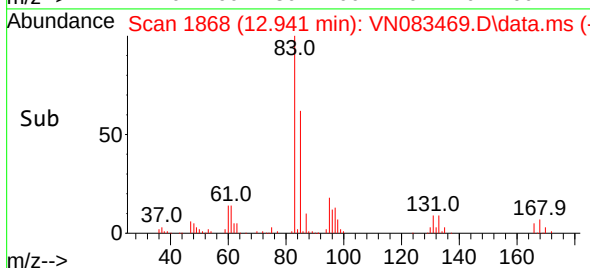
Reviewed By :John Carlone 08/26/2024
Supervised By :Semsettin Yesilyurt 08/26/2024

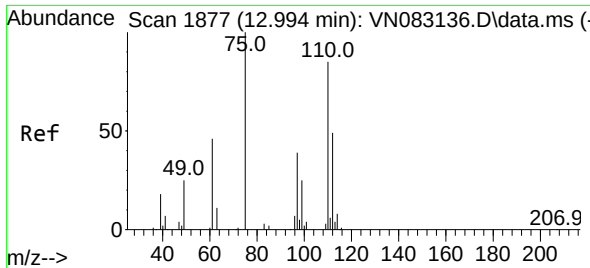


#75
1,1,2,2-Tetrachloroethane
Concen: 46.196 ug/l
RT: 12.941 min Scan# 1868
Delta R.T. 0.006 min
Lab File: VN083469.D
Acq: 23 Aug 2024 18:45



Tgt Ion: 83 Resp: 137690
Ion Ratio Lower Upper
83 100
131 9.9 5.0 14.9
85 62.6 31.9 95.7





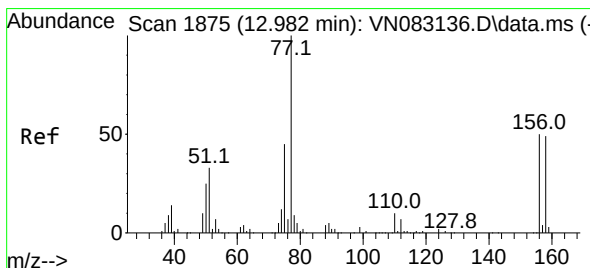
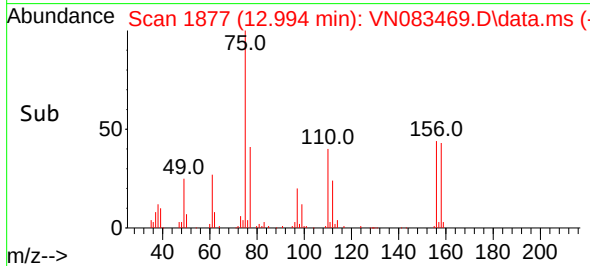
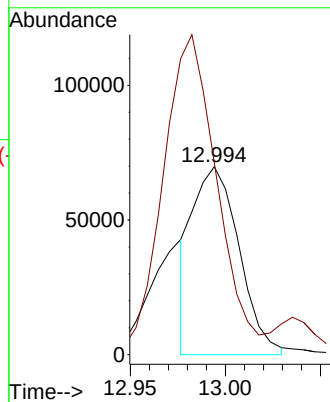
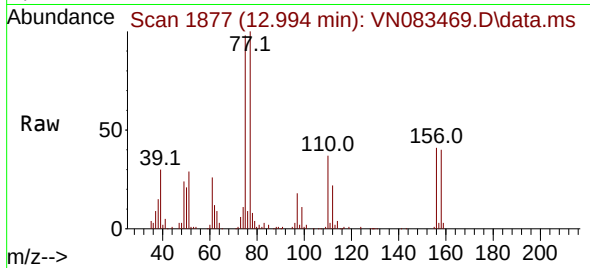
#76
1,2,3-Trichloropropane
Concen: 42.755 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.000 min
Lab File: VN083469.D
Acq: 23 Aug 2024 18:45

Instrument :
MSVOA_N
ClientSampleId :
1049-MW-02(23.8)MSD

Tgt Ion: 75 Resp: 118220
Ion Ratio Lower Upper
75 100
77 197.7 110.9 332.6

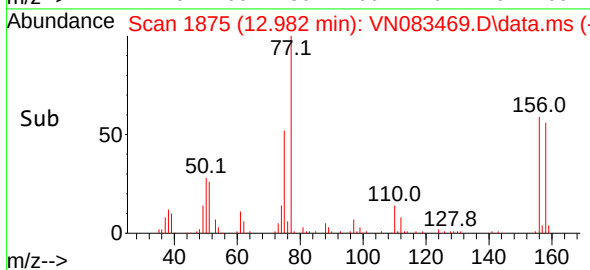
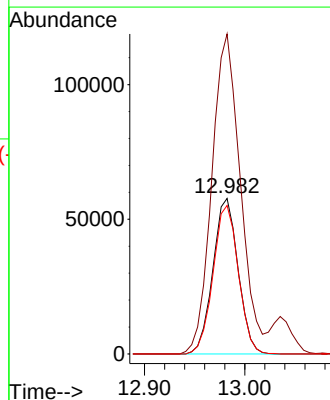
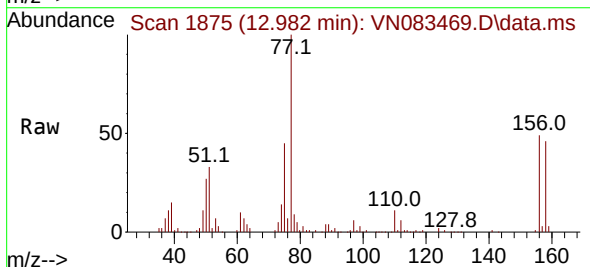
Manual Integrations
APPROVED

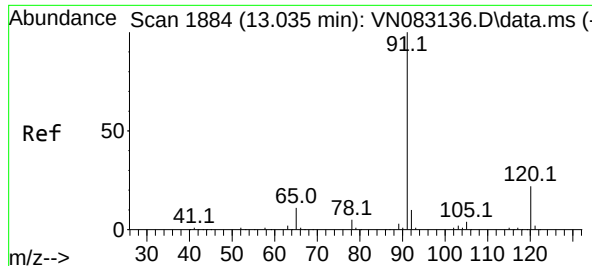
Reviewed By :John Carlone 08/26/2024
Supervised By :Semsettin Yesilyurt 08/26/2024



#77
Bromobenzene
Concen: 42.951 ug/l
RT: 12.982 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VN083469.D
Acq: 23 Aug 2024 18:45

Tgt Ion:156 Resp: 100547
Ion Ratio Lower Upper
156 100
77 232.4 111.3 333.8
158 95.9 48.3 144.9





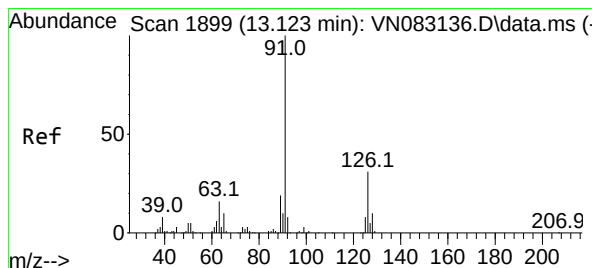
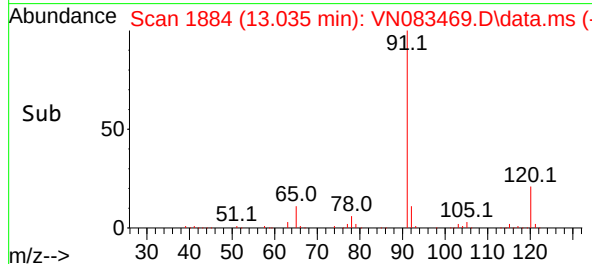
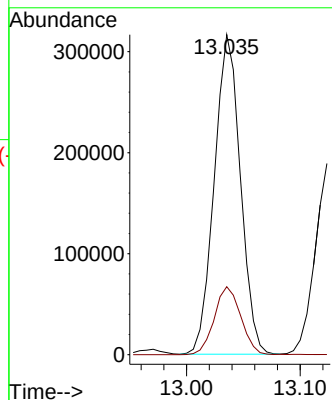
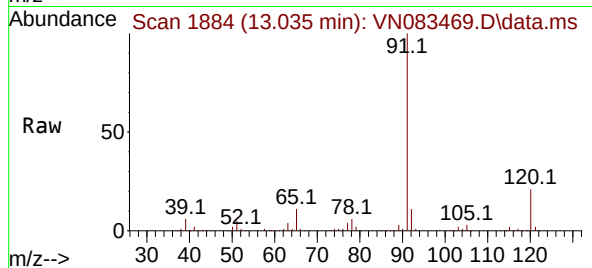
#78
n-propylbenzene
Concen: 41.671 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN083469.D
Acq: 23 Aug 2024 18:45

Instrument :
MSVOA_N
ClientSampleId :
1049-MW-02(23.8)MSD

Tgt Ion: 91 Resp: 50566
Ion Ratio Lower Upper
91 100
120 21.6 10.9 32.9

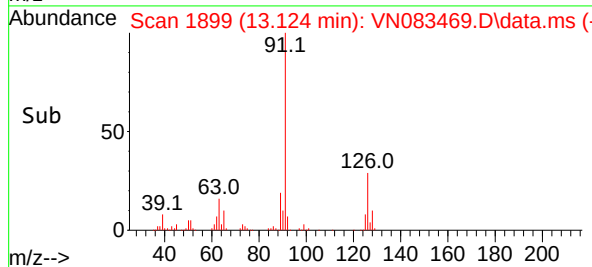
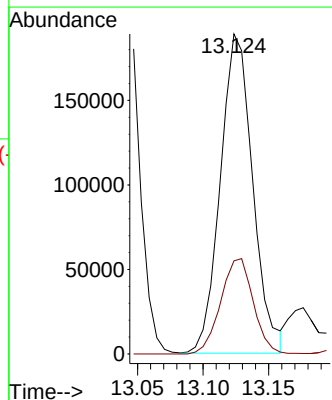
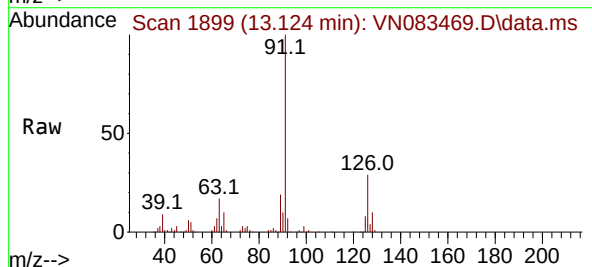
Manual Integrations
APPROVED

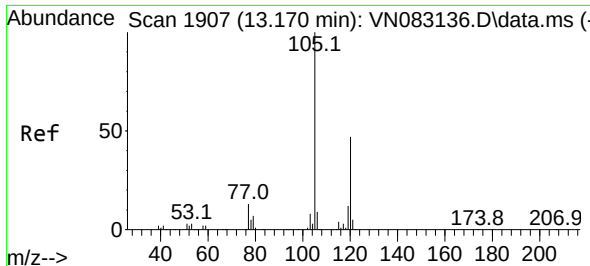
Reviewed By :John Carlone 08/26/2024
Supervised By :Semsettin Yesilyurt 08/26/2024



#79
2-Chlorotoluene
Concen: 42.196 ug/l
RT: 13.124 min Scan# 1899
Delta R.T. 0.000 min
Lab File: VN083469.D
Acq: 23 Aug 2024 18:45

Tgt Ion: 91 Resp: 324625
Ion Ratio Lower Upper
91 100
126 30.1 16.2 48.6





#80

1,3,5-Trimethylbenzene

Concen: 41.888 ug/l

RT: 13.171 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VN083469.D

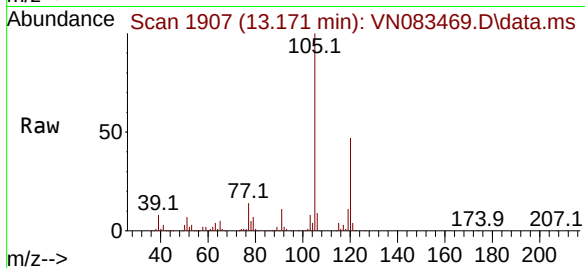
Acq: 23 Aug 2024 18:45

Instrument :

MSVOA_N

ClientSampleId :

1049-MW-02(23.8)MSD



Tgt Ion:105 Resp: 36956

Ion Ratio Lower Upper

105 100

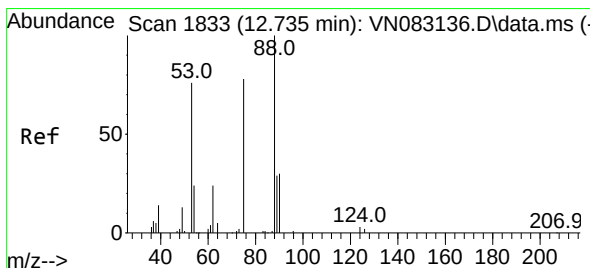
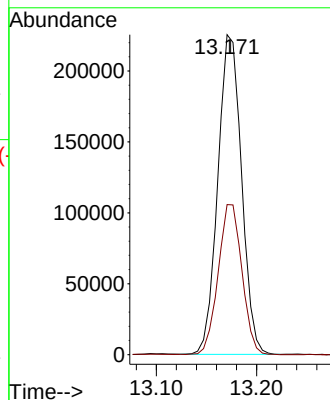
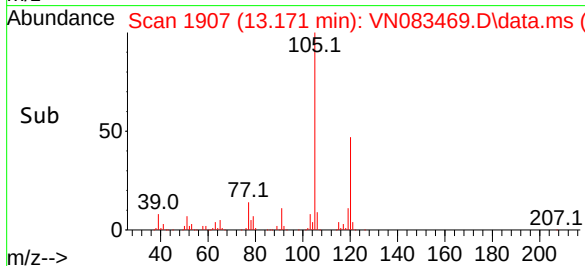
120 47.2 24.3 72.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/26/2024

Supervised By :Semsettin Yesilyurt 08/26/2024



#81

trans-1,4-Dichloro-2-butene

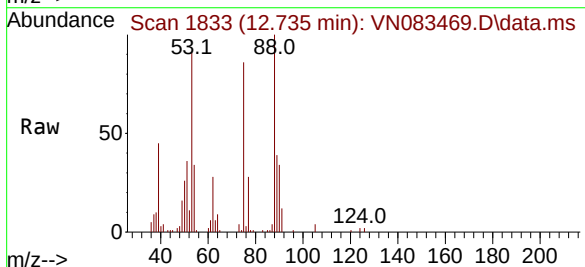
Concen: 34.662 ug/l

RT: 12.735 min Scan# 1833

Delta R.T. 0.000 min

Lab File: VN083469.D

Acq: 23 Aug 2024 18:45



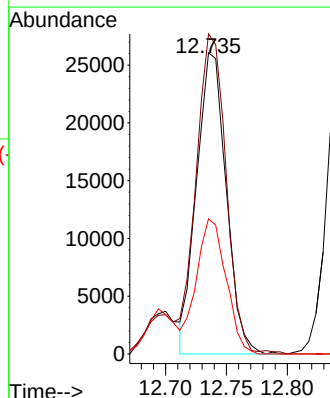
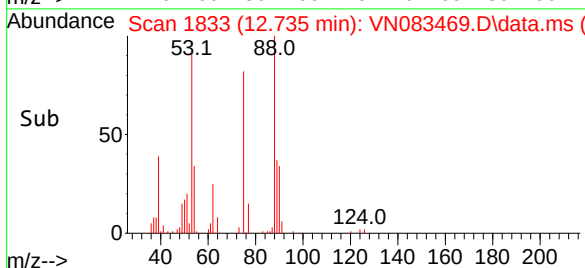
Tgt Ion: 75 Resp: 44063

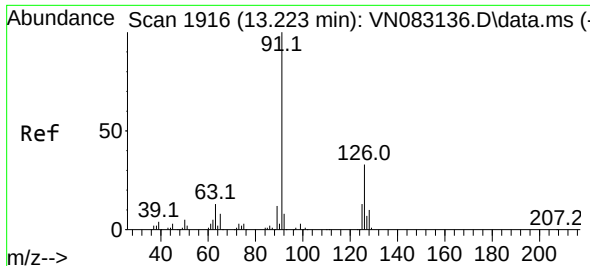
Ion Ratio Lower Upper

75 100

53 109.3 88.4 132.6

89 45.2 36.3 54.5





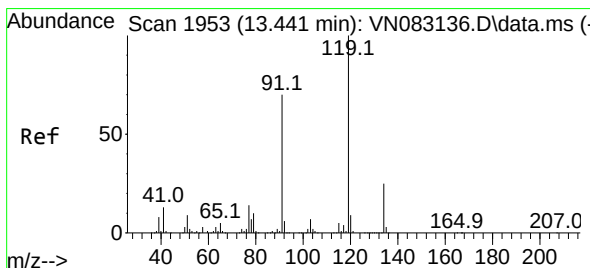
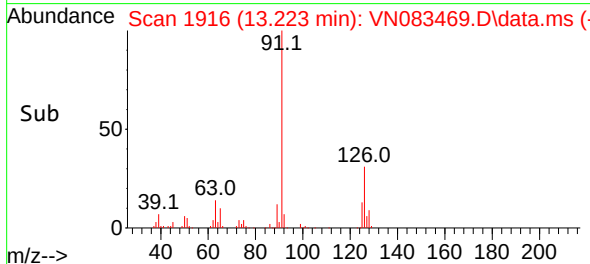
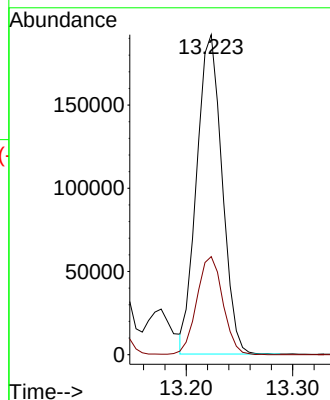
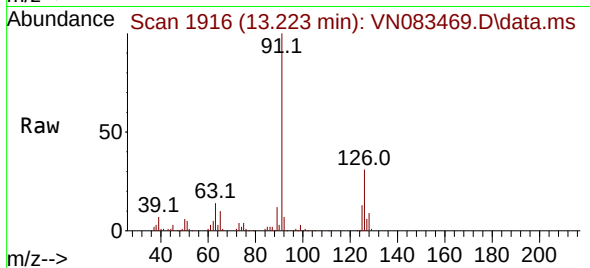
#82
4-Chlorotoluene
Concen: 41.160 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. 0.000 min
Lab File: VN083469.D
Acq: 23 Aug 2024 18:45

Instrument :
MSVOA_N
ClientSampleId :
1049-MW-02(23.8)MSD

Tgt Ion: 91 Resp: 31762
Ion Ratio Lower Upper
91 100
126 31.6 16.2 48.6

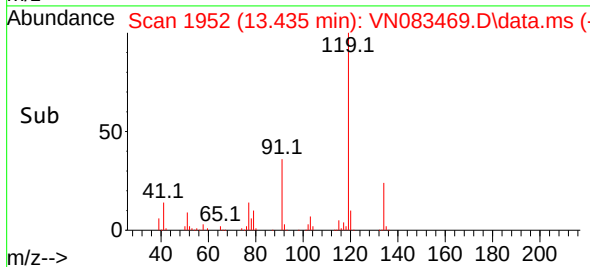
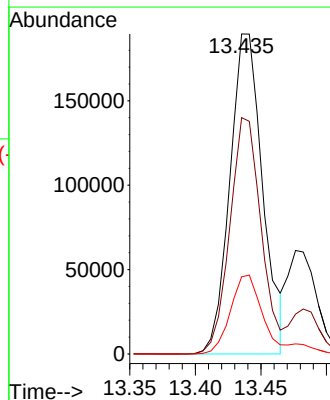
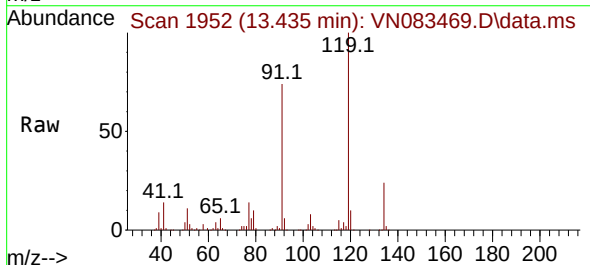
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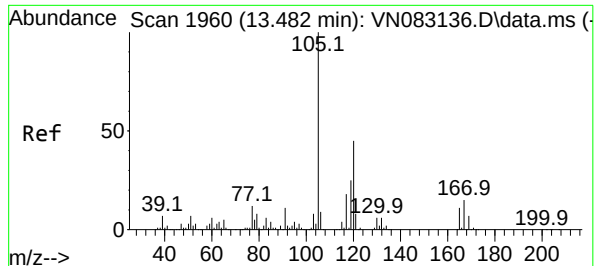
Reviewed By :John Carlone 08/26/2024
Supervised By :Semsettin Yesilyurt 08/26/2024



#83
tert-Butylbenzene
Concen: 42.259 ug/l
RT: 13.435 min Scan# 1952
Delta R.T. -0.006 min
Lab File: VN083469.D
Acq: 23 Aug 2024 18:45

Tgt Ion:119 Resp: 330186
Ion Ratio Lower Upper
119 100
91 70.3 35.0 105.1
134 26.1 13.3 39.8





#84

1,2,4-Trimethylbenzene

Concen: 42.760 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. 0.000 min

Lab File: VN083469.D

Acq: 23 Aug 2024 18:45

Instrument :

MSVOA_N

ClientSampleId :

1049-MW-02(23.8)MSD

Tgt Ion:105 Resp: 380192

Ion Ratio Lower Upper

105 100

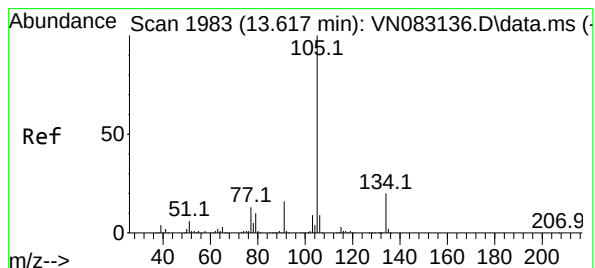
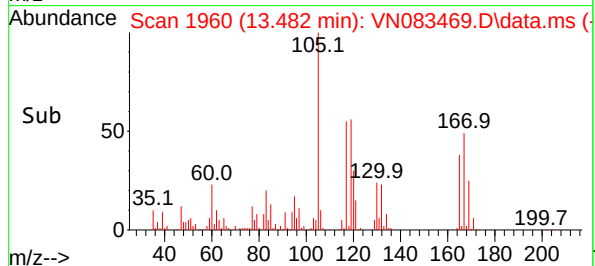
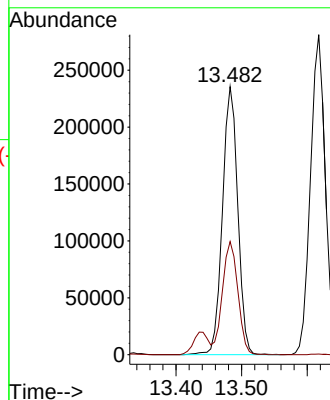
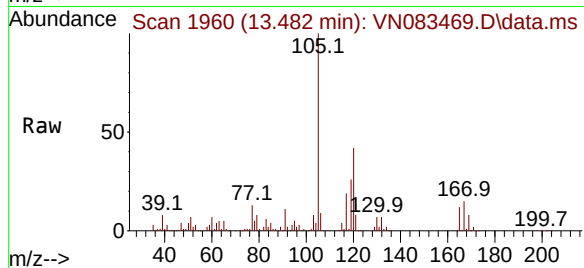
120 42.8 21.9 65.8

Manual Integrations

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Reviewed By :John Carlone 08/26/2024

Supervised By :Semsettin Yesilyurt 08/26/2024



#85

sec-Butylbenzene

Concen: 41.500 ug/l

RT: 13.618 min Scan# 1983

Delta R.T. 0.000 min

Lab File: VN083469.D

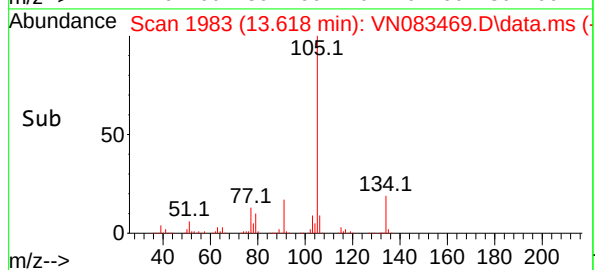
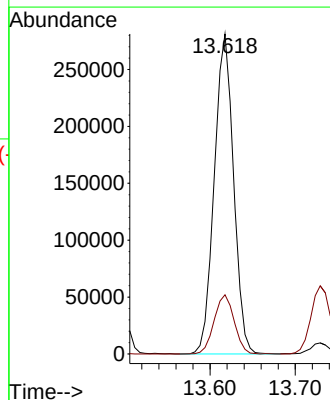
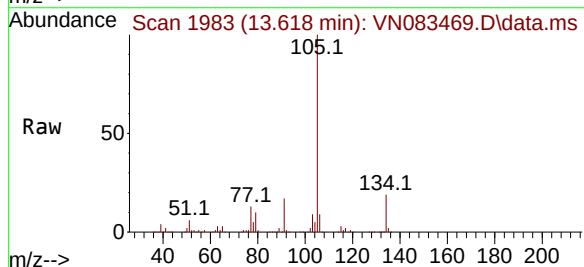
Acq: 23 Aug 2024 18:45

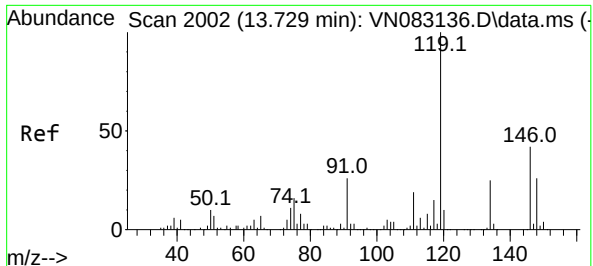
Tgt Ion:105 Resp: 442449

Ion Ratio Lower Upper

105 100

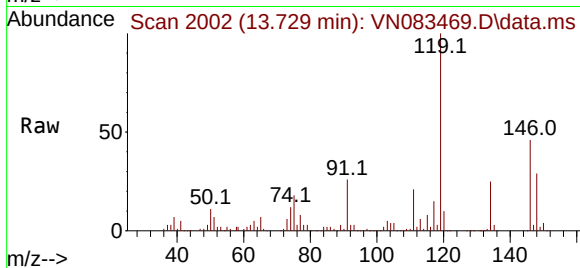
134 19.2 9.8 29.3





#86
p-Isopropyltoluene
Concen: 42.063 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN083469.D
Acq: 23 Aug 2024 18:45

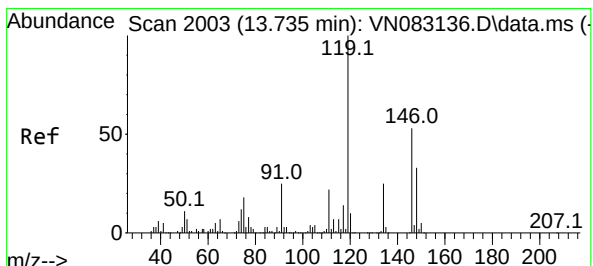
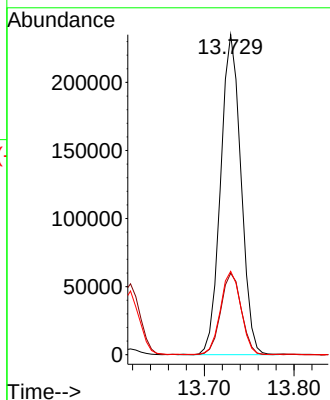
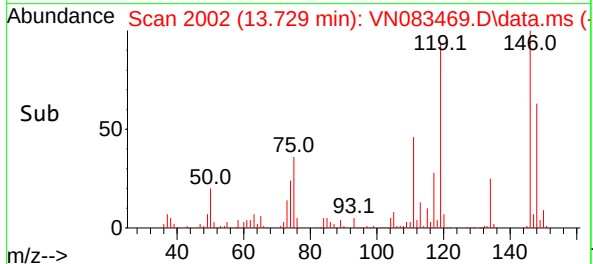
Instrument :
MSVOA_N
ClientSampleId :
1049-MW-02(23.8)MSD



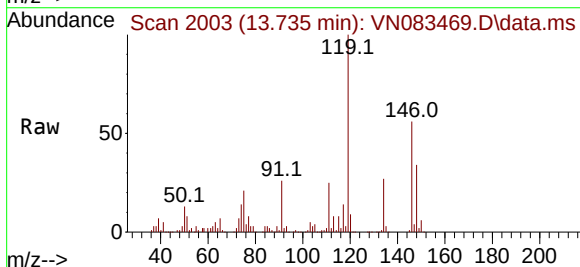
Tgt Ion:119 Resp: 37027
Ion Ratio Lower Upper
119 100
134 25.7 13.0 39.0
91 26.0 12.3 36.9

Manual Integrations
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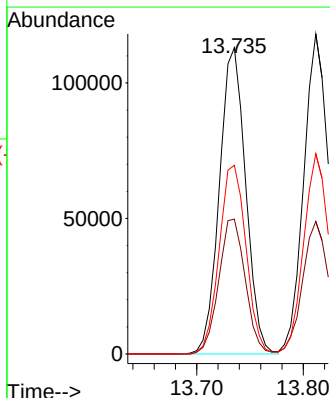
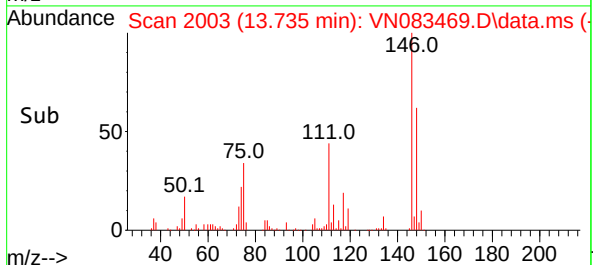
Reviewed By :John Carlone 08/26/2024
Supervised By :Semsettin Yesilyurt 08/26/2024

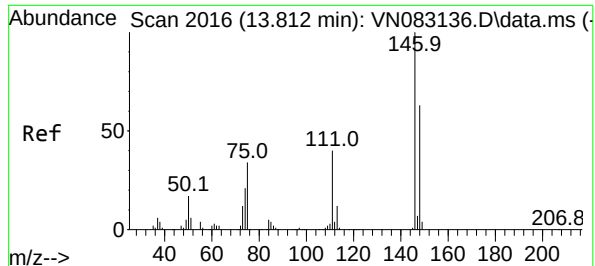


#87
1,3-Dichlorobenzene
Concen: 43.948 ug/l
RT: 13.735 min Scan# 2003
Delta R.T. 0.000 min
Lab File: VN083469.D
Acq: 23 Aug 2024 18:45



Tgt Ion:146 Resp: 193589
Ion Ratio Lower Upper
146 100
111 44.3 20.6 61.9
148 63.0 31.8 95.3





#88

1,4-Dichlorobenzene

Concen: 43.529 ug/l

RT: 13.812 min Scan# 2016

Delta R.T. 0.000 min

Lab File: VN083469.D

Acq: 23 Aug 2024 18:45

Instrument :

MSVOA_N

ClientSampleId :

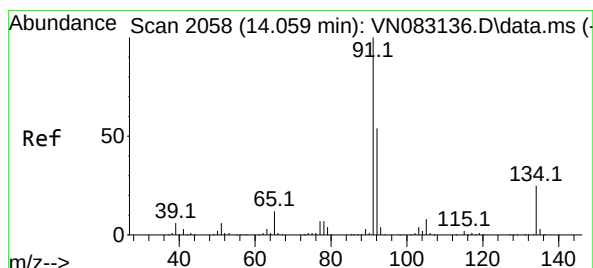
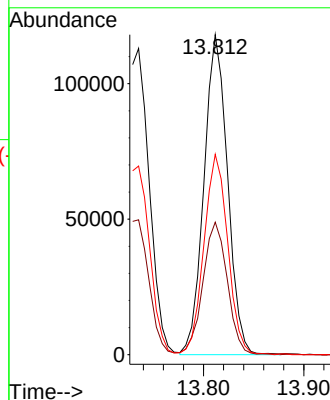
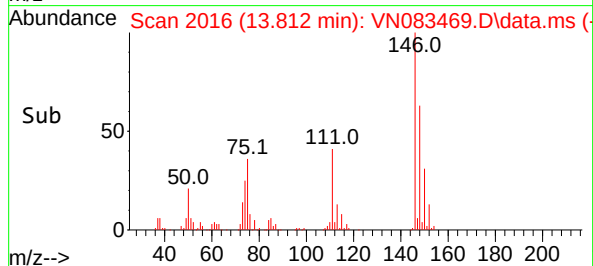
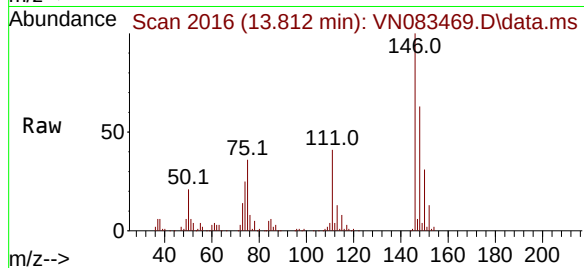
1049-MW-02(23.8)MSD

Tgt Ion:	146	Resp:	19330
Ion Ratio	Lower	Upper	
146	100		
111	42.3	20.1	60.3
148	63.2	32.2	96.6

Manual Integrations
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Reviewed By :John Carlone 08/26/2024

Supervised By :Semsettin Yesilyurt 08/26/2024



#89

n-Butylbenzene

Concen: 40.513 ug/l

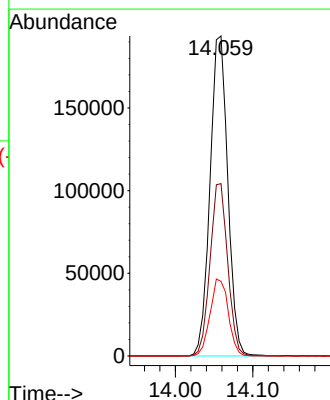
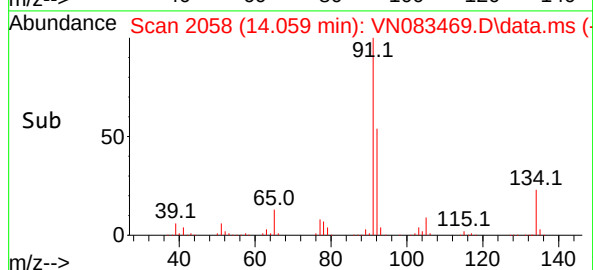
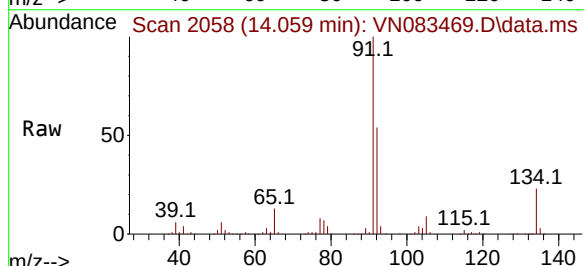
RT: 14.059 min Scan# 2058

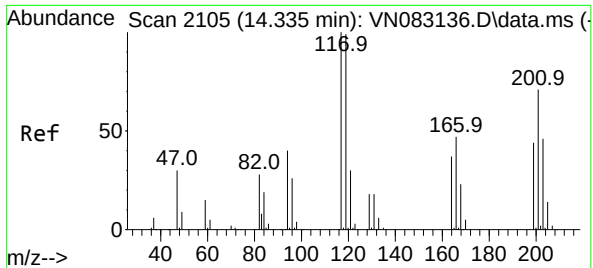
Delta R.T. 0.000 min

Lab File: VN083469.D

Acq: 23 Aug 2024 18:45

Tgt Ion:	91	Resp:	309015
Ion Ratio	Lower	Upper	
91	100		
92	53.5	26.1	78.3
134	24.6	12.1	36.3





#90

Hexachloroethane

Concen: 42.244 ug/l

RT: 14.335 min Scan# 2105

Delta R.T. 0.000 min

Lab File: VN083469.D

Acq: 23 Aug 2024 18:45

Instrument :

MSVOA_N

ClientSampleId :

1049-MW-02(23.8)MSD

Tgt Ion:117 Resp: 7184

Ion Ratio Lower Upper

117 100

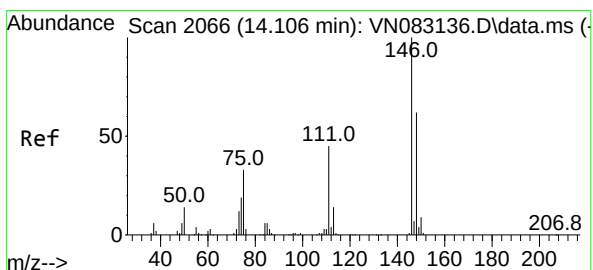
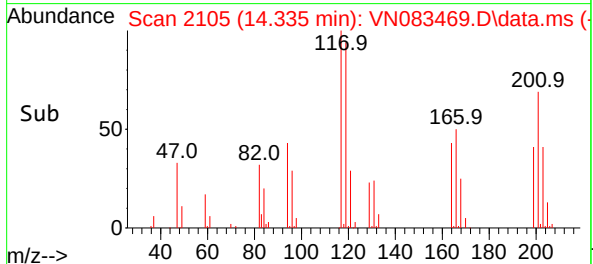
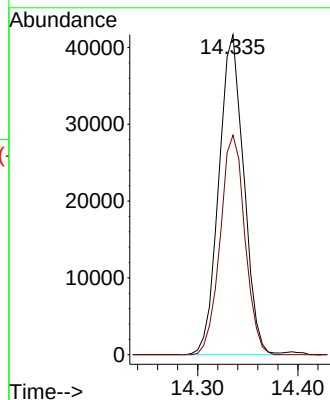
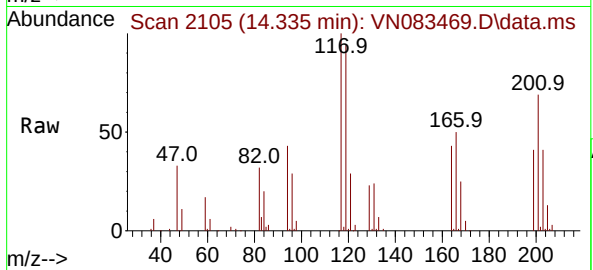
201 68.0 35.8 107.3

Manual Integrations

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Reviewed By :John Carlone 08/26/2024

Supervised By :Semsettin Yesilyurt 08/26/2024



#91

1,2-Dichlorobenzene

Concen: 45.978 ug/l

RT: 14.106 min Scan# 2066

Delta R.T. 0.000 min

Lab File: VN083469.D

Acq: 23 Aug 2024 18:45

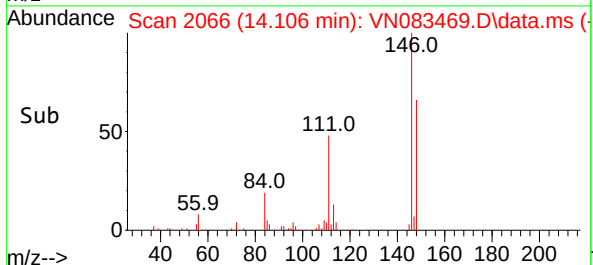
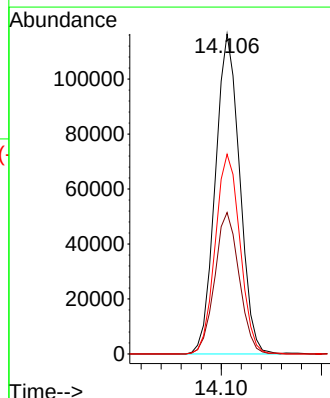
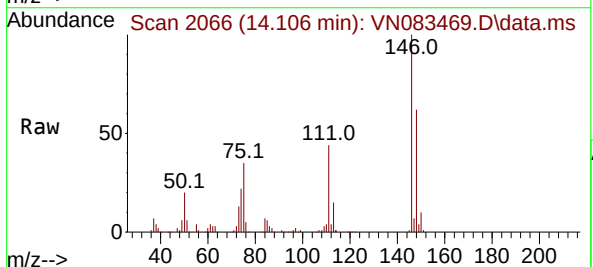
Tgt Ion:146 Resp: 195984

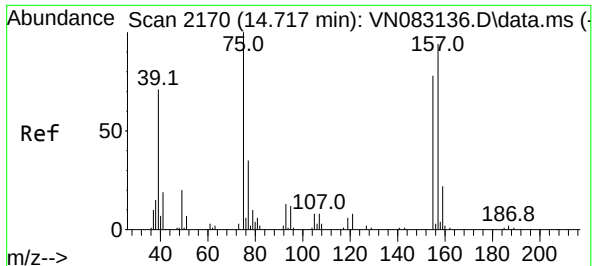
Ion Ratio Lower Upper

146 100

111 44.4 21.4 64.2

148 63.5 32.1 96.5





#92

1,2-Dibromo-3-Chloropropane

Concen: 41.051 ug/l

RT: 14.718 min Scan# 2170

Delta R.T. 0.000 min

Lab File: VN083469.D

Acq: 23 Aug 2024 18:45

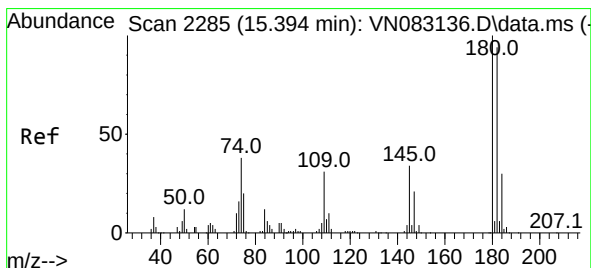
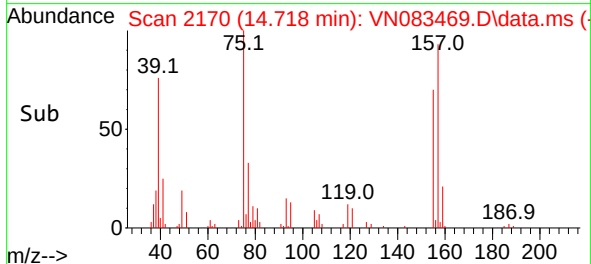
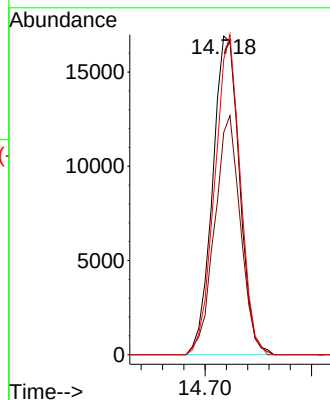
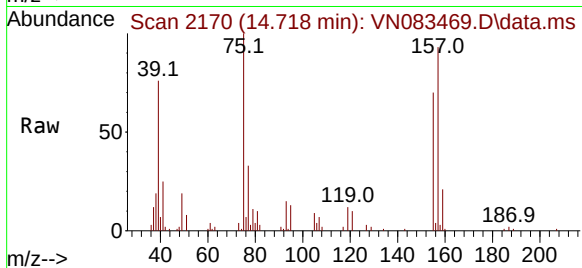
Instrument :

MSVOA_N

ClientSampleId :

1049-MW-02(23.8)MSD

Tgt Ion:	75	Resp:	2969
Ion Ratio	Lower	Upper	
75	100		
155	72.1	36.6	109.8
157	94.7	46.9	140.6

Manual Integrations
APPROVEDReviewed By :John Carlone 08/26/2024
Supervised By :Semsettin Yesilyurt 08/26/2024

#93

1,2,4-Trichlorobenzene

Concen: 41.565 ug/l

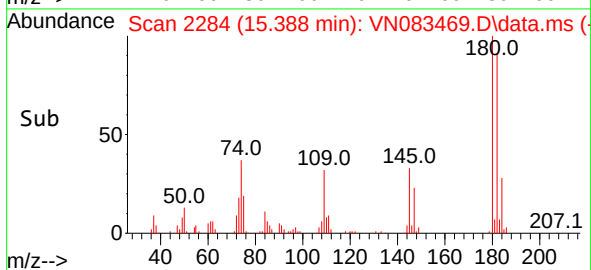
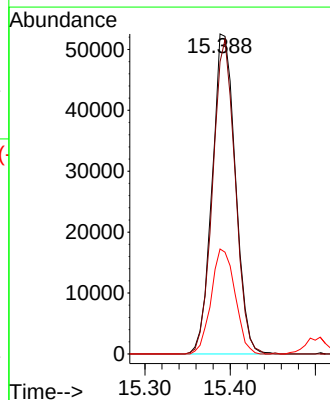
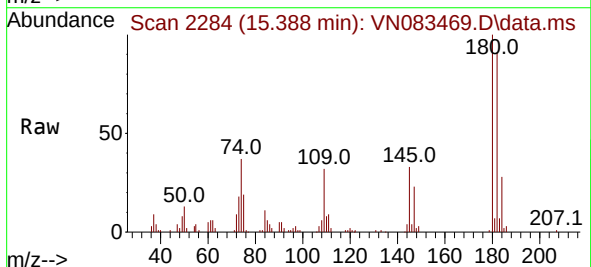
RT: 15.388 min Scan# 2284

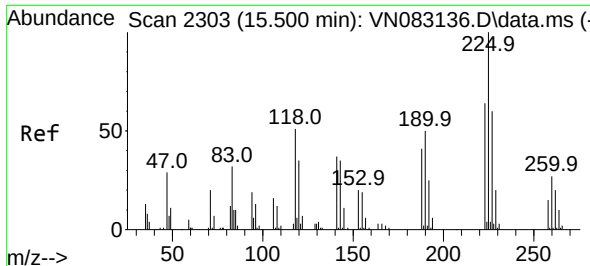
Delta R.T. -0.006 min

Lab File: VN083469.D

Acq: 23 Aug 2024 18:45

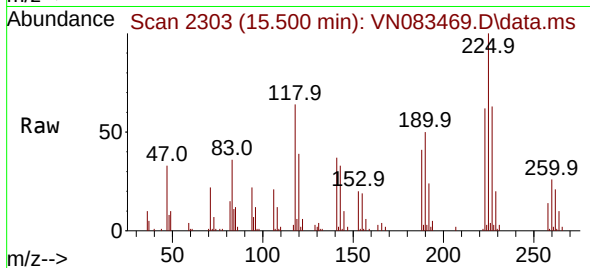
Tgt Ion:	180	Resp:	99260
Ion Ratio	Lower	Upper	
180	100		
182	95.1	47.3	141.8
145	33.7	15.7	47.1





#94
Hexachlorobutadiene
Concen: 39.130 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.000 min
Lab File: VN083469.D
Acq: 23 Aug 2024 18:45

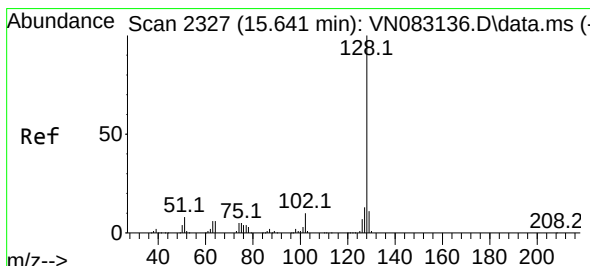
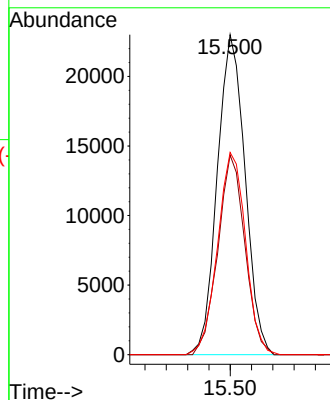
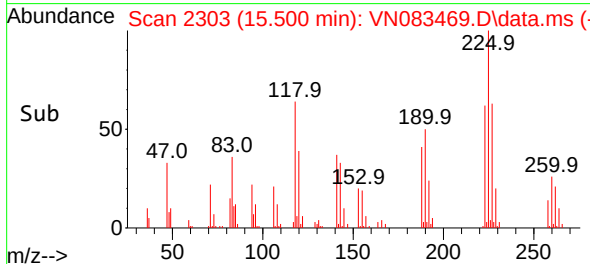
Instrument :
MSVOA_N
ClientSampleId :
1049-MW-02(23.8)MSD



Tgt Ion:225 Resp: 4155
Ion Ratio Lower Upper
225 100
223 60.7 31.9 95.7
227 63.9 32.5 97.5

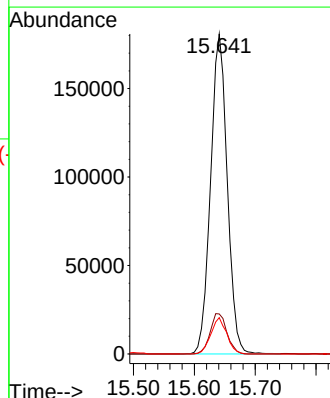
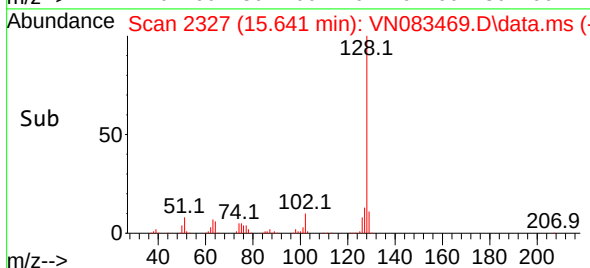
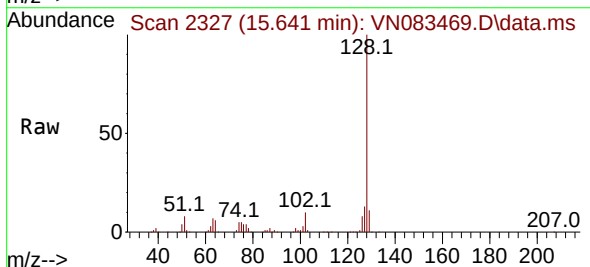
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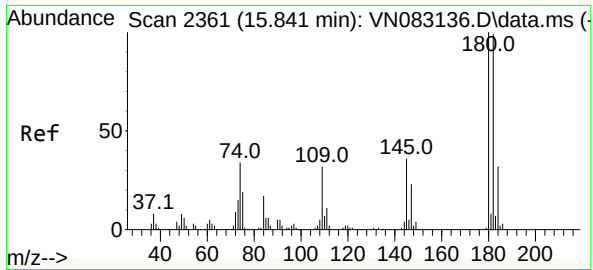
Reviewed By :John Carlone 08/26/2024
Supervised By :Semsettin Yesilyurt 08/26/2024



#95
Naphthalene
Concen: 40.751 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.000 min
Lab File: VN083469.D
Acq: 23 Aug 2024 18:45

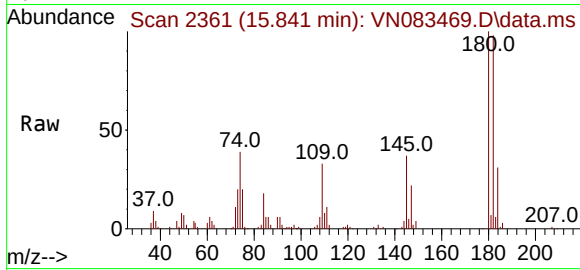
Tgt Ion:128 Resp: 344717
Ion Ratio Lower Upper
128 100
127 12.7 10.6 16.0
129 10.8 8.6 12.8





#96
1,2,3-Trichlorobenzene
Concen: 41.295 ug/l
RT: 15.841 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN083469.D
Acq: 23 Aug 2024 18:45

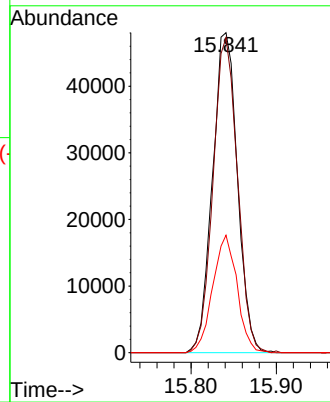
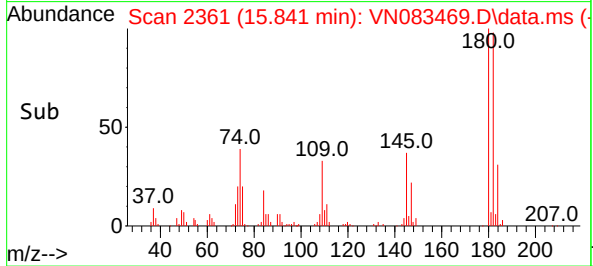
Instrument :
MSVOA_N
ClientSampleId :
1049-MW-02(23.8)MSD



Tgt Ion:180 Resp: 9757
Ion Ratio Lower Upper
180 100
182 96.5 48.9 146.8
145 35.9 16.8 50.4

Manual Integrations
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Reviewed By :John Carlone 08/26/2024
Supervised By :Semsettin Yesilyurt 08/26/2024



Manual Integration Report

Sequence:	vn080724	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC100	VN083135.D	1,2,3-Trichloropropane	JOHN	8/8/2024 9:35:12 AM	MMDadoda	8/9/2024 6:15:44 AM	Peak Integrated by Software incorrectly
VSTDICCC050	VN083136.D	1,2,3-Trichloropropane	JOHN	8/8/2024 9:35:17 AM	MMDadoda	8/9/2024 6:15:45 AM	Peak Integrated by Software incorrectly
VSTDICCC050	VN083136.D	Vinyl Acetate	JOHN	8/8/2024 9:35:17 AM	MMDadoda	8/9/2024 6:15:45 AM	Peak Integrated by Software incorrectly
VSTDICC020	VN083137.D	1,2,3-Trichloropropane	JOHN	8/8/2024 9:35:21 AM	MMDadoda	8/9/2024 6:15:46 AM	Peak Integrated by Software incorrectly
VSTDICC020	VN083137.D	Vinyl Acetate	JOHN	8/8/2024 9:35:21 AM	MMDadoda	8/9/2024 6:15:46 AM	Peak Integrated by Software incorrectly
VSTDICC010	VN083138.D	1,2,3-Trichloropropane	JOHN	8/8/2024 9:35:26 AM	MMDadoda	8/9/2024 6:15:48 AM	Peak Integrated by Software incorrectly
VSTDICC005	VN083139.D	1,2,3-Trichloropropane	JOHN	8/8/2024 9:35:30 AM	MMDadoda	8/9/2024 6:15:49 AM	Peak Integrated by Software incorrectly
VSTDICC005	VN083139.D	Vinyl Acetate	JOHN	8/8/2024 9:35:30 AM	MMDadoda	8/9/2024 6:15:49 AM	Peak Integrated by Software incorrectly
VSTDICC001	VN083140.D	1,2,3-Trichloropropane	JOHN	8/8/2024 9:35:34 AM	MMDadoda	8/9/2024 6:15:51 AM	Peak Integrated by Software incorrectly
VSTDICC001	VN083140.D	1,4-Dichlorobenzene	JOHN	8/8/2024 9:35:34 AM	MMDadoda	8/9/2024 6:15:51 AM	Peak Integrated by Software incorrectly
VSTDICV050	VN083142.D	1,2,3-Trichloropropane	JOHN	8/8/2024 9:35:41 AM	MMDadoda	8/9/2024 6:15:52 AM	Peak Integrated by Software incorrectly

Manual Integration Report

Sequence:	VN082324	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN083447.D	1,2,3-Trichloropropane	JOHN	8/26/2024 9:32:41 AM	SAM	8/26/2024 4:58:48 PM	Peak Integrated by Software incorrectly
VN0823WBS02	VN083451.D	1,2,3-Trichloropropane	JOHN	8/26/2024 9:32:48 AM	SAM	8/26/2024 4:58:51 PM	Peak Integrated by Software incorrectly
P3716-03MS	VN083468.D	1,2,3-Trichloropropane	JOHN	8/26/2024 9:33:35 AM	SAM	8/26/2024 4:58:57 PM	Peak Integrated by Software incorrectly
P3716-04MSD	VN083469.D	1,2,3-Trichloropropane	JOHN	8/26/2024 9:33:39 AM	SAM	8/26/2024 4:58:58 PM	Peak Integrated by Software incorrectly
VSTDCCC050	VN083470.D	1,2,3-Trichloropropane	JOHN	8/26/2024 9:33:45 AM	SAM	8/26/2024 4:59:00 PM	Peak Integrated by Software incorrectly

Manual Integration Report

Sequence:

VN082624

Instrument

MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN083472.D	1,2,3-Trichloropropane	JOHN	8/27/2024 9:10:33 AM	MMDadoda	8/27/2024 4:17:19 PM	Peak Integrated by Software incorrectly
VN0826WBS02	VN083476.D	1,2,3-Trichloropropane	JOHN	8/27/2024 9:10:43 AM	MMDadoda	8/27/2024 4:17:22 PM	Peak Integrated by Software incorrectly
VSTDCCC050	VN083494.D	1,2,3-Trichloropropane	JOHN	8/27/2024 9:11:17 AM	MMDadoda	8/27/2024 4:17:25 PM	Peak Integrated by Software incorrectly

Manual Integration Report

Sequence:	VN082724	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN083496.D	1,2,3-Trichloropropane	JOHN	8/28/2024 9:21:06 AM	MMDadoda	8/28/2024 5:36:30 PM	Peak Integrated by Software incorrectly
VN0827WBS02	VN083502.D	1,2,3-Trichloropropane	SAM	8/31/2024 1:51:40 AM	MMDadoda	8/31/2024 1:53:09 AM	Peak Integrated by Software incorrectly
VN0827WBS02	VN083502.D	Vinyl Acetate	SAM	8/31/2024 1:51:40 AM	MMDadoda	8/31/2024 1:53:09 AM	Peak Integrated by Software incorrectly
VSTDCCC050	VN083522.D	1,2,3-Trichloropropane	JOHN	8/28/2024 9:24:32 AM	MMDadoda	8/28/2024 5:36:57 PM	Peak Integrated by Software incorrectly

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN080724

Review By	John Carlone	Review On	8/8/2024 9:36:00 AM
Supervise By	Maresh Dadoda	Supervise On	8/9/2024 6:16:03 AM
SubDirectory	VN080724	HP Acquire Method	HP Processing Method 82N080724W.M
STD. NAME	STD REF.#		
Tune/Reschk	VP129516		
Initial Calibration Stds	VP129526,VP129527,VP129528,VP129529,VP129530,VP129531		
CCC			
Internal Standard/PEM			
ICV/I.BLK	VP129532		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN083134.D	07 Aug 2024 10:09	JC\MD	Ok
2	VSTDICC100	VN083135.D	07 Aug 2024 10:33	JC\MD	Ok,M
3	VSTDICCC050	VN083136.D	07 Aug 2024 10:58	JC\MD	Ok,M
4	VSTDICC020	VN083137.D	07 Aug 2024 11:22	JC\MD	Ok,M
5	VSTDICC010	VN083138.D	07 Aug 2024 11:46	JC\MD	Ok,M
6	VSTDICC005	VN083139.D	07 Aug 2024 12:10	JC\MD	Ok,M
7	VSTDICC001	VN083140.D	07 Aug 2024 12:34	JC\MD	Ok,M
8	IBLK	VN083141.D	07 Aug 2024 13:22	JC\MD	Ok
9	VSTDICV050	VN083142.D	07 Aug 2024 14:49	JC\MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_N**

Daily Analysis Runlog For Sequence/QC Batch ID # VN082324

Review By	Semsettin Yesilyurt	Review On	8/26/2024 4:59:07 PM		
Supervise By	Mahesh Dadoda	Supervise On	8/26/2024 5:00:36 PM		
SubDirectory	VN082324	HP Acquire Method	MSVOA_N	HP Processing Method	82N080724W.M
STD. NAME		STD REF.#			
Tune/Reschk Initial Calibration Stds		VP129924			
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard		VP129926,VP129927			

Sr#	Sampleld	Data File Name	Date-Time	Operator	Status
1	BFB	VN083446.D	23 Aug 2024 08:15	JC\MD	Ok
2	VSTDCCC050	VN083447.D	23 Aug 2024 08:39	JC\MD	Ok,M
3	VN0823MBL01	VN083448.D	23 Aug 2024 09:51	JC\MD	Ok
4	VN0823WBL01	VN083449.D	23 Aug 2024 10:15	JC\MD	Ok
5	VN0823WBS01	VN083450.D	23 Aug 2024 10:50	JC\MD	Not Ok
6	VN0823WBS02	VN083451.D	23 Aug 2024 11:14	JC\MD	Ok,M
7	VN0823WBSD01	VN083452.D	23 Aug 2024 11:45	JC\MD	Not Ok
8	VIBLK	VN083453.D	23 Aug 2024 12:09	JC\MD	Ok
9	PB162920TB	VN083454.D	23 Aug 2024 12:35	JC\MD	Ok
10	PB162920ZHE#01	VN083455.D	23 Aug 2024 12:59	JC\MD	Ok
11	PB162920ZHE#02	VN083456.D	23 Aug 2024 13:23	JC\MD	Ok
12	PB162920ZHE#03	VN083457.D	23 Aug 2024 13:47	JC\MD	Ok,M
13	P3689-01	VN083458.D	23 Aug 2024 14:12	JC\MD	Ok
14	P3694-02	VN083459.D	23 Aug 2024 14:36	JC\MD	Ok
15	P3704-03	VN083460.D	23 Aug 2024 15:00	JC\MD	Ok
16	P3715-02	VN083461.D	23 Aug 2024 15:31	JC\MD	Ok
17	P3716-01	VN083462.D	23 Aug 2024 15:55	JC\MD	Dilution
18	P3716-05	VN083463.D	23 Aug 2024 16:20	JC\MD	Ok
19	P3716-07	VN083464.D	23 Aug 2024 16:44	JC\MD	Ok
20	P3716-06	VN083465.D	23 Aug 2024 17:08	JC\MD	Dilution
21	P3715-01	VN083466.D	23 Aug 2024 17:32	JC\MD	ReRun

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN082324

Review By	Semsettin Yesilyurt	Review On	8/26/2024 4:59:07 PM		
Supervise By	Mahesh Dadoda	Supervise On	8/26/2024 5:00:36 PM		
SubDirectory	VN082324	HP Acquire Method	MSVOA_N	HP Processing Method	82N080724W.M
STD. NAME	STD REF.#				
Tune/Reschk Initial Calibration Stds	VP129924				
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP129926,VP129927				

22	P3716-02	VN083467.D	23 Aug 2024 17:56	JC\MD	Ok
23	P3716-03MS	VN083468.D	23 Aug 2024 18:21	JC\MD	Ok,M
24	P3716-04MSD	VN083469.D	23 Aug 2024 18:45	JC\MD	Ok,M
25	VSTDCCC050	VN083470.D	23 Aug 2024 19:33	JC\MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_N**

Daily Analysis Runlog For Sequence/QCBatch ID # VN082624

Review By	John Carlone	Review On	8/27/2024 9:18:39 AM
Supervise By	Maresh Dadoda	Supervise On	8/27/2024 4:22:53 PM
SubDirectory	VN082624	HP Acquire Method	HP Processing Method 82N080724W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP129965		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP129966,VP129967		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN083471.D	26 Aug 2024 08:36	JC\MD	Ok
2	VSTDCCC050	VN083472.D	26 Aug 2024 09:56	JC\MD	Ok,M
3	VN0826MBL01	VN083473.D	26 Aug 2024 10:35	JC\MD	Ok
4	VN0826WBL01	VN083474.D	26 Aug 2024 11:33	JC\MD	Ok
5	VN0826WBS01	VN083475.D	26 Aug 2024 11:57	JC\MD	Not Ok
6	VN0826WBS02	VN083476.D	26 Aug 2024 12:31	JC\MD	Ok,M
7	P3716-06DL	VN083477.D	26 Aug 2024 12:55	JC\MD	Ok
8	P3716-01DL	VN083478.D	26 Aug 2024 13:19	JC\MD	Ok
9	P3715-01	VN083479.D	26 Aug 2024 13:43	JC\MD	Ok
10	IBLK	VN083480.D	26 Aug 2024 14:07	JC\MD	Ok
11	P3654-15	VN083481.D	26 Aug 2024 14:32	JC\MD	Ok
12	P3654-17	VN083482.D	26 Aug 2024 14:56	JC\MD	Ok
13	P3654-18	VN083483.D	26 Aug 2024 15:20	JC\MD	Ok
14	P3716-09	VN083484.D	26 Aug 2024 15:44	JC\MD	ReRun
15	P3716-08	VN083485.D	26 Aug 2024 16:09	JC\MD	ReRun
16	P3706-04	VN083486.D	26 Aug 2024 16:33	JC\MD	ReRun
17	P3706-05	VN083487.D	26 Aug 2024 16:57	JC\MD	Ok
18	VN0826WBSD01	VN083488.D	26 Aug 2024 17:21	JC\MD	Not Ok
19	P3633-03	VN083489.D	26 Aug 2024 17:46	JC\MD	ReRun
20	P3706-03	VN083490.D	26 Aug 2024 18:10	JC\MD	ReRun
21	P3633-01	VN083491.D	26 Aug 2024 18:34	JC\MD	ReRun

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN082624

Review By	John Carlone	Review On	8/27/2024 9:18:39 AM
Supervise By	Mahesh Dadoda	Supervise On	8/27/2024 4:22:53 PM
SubDirectory	VN082624	HP Acquire Method	HP Processing Method 82N080724W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP129965		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP129966,VP129967		

22	P3622-01RE	VN083492.D	26 Aug 2024 18:59	JC\MD	Confirms
23	P3716-08	VN083493.D	26 Aug 2024 19:47	JC\MD	Ok
24	VSTDCCC050	VN083494.D	26 Aug 2024 20:11	JC\MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN082724

Review By	John Carlone	Review On	8/28/2024 9:32:17 AM
Supervise By	Mahesh Dadoda	Supervise On	8/28/2024 5:37:08 PM
SubDirectory	VN082724	HP Acquire Method	HP Processing Method 82N080724W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP129980		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP129981,VP129982		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN083495.D	27 Aug 2024 08:29	JC\MD	Ok
2	VSTDCCC050	VN083496.D	27 Aug 2024 09:05	JC\MD	Ok,M
3	VN0827MBL01	VN083497.D	27 Aug 2024 09:39	JC\MD	Ok
4	VN0827WBL01	VN083498.D	27 Aug 2024 10:04	JC\MD	Ok
5	P3716-09	VN083499.D	27 Aug 2024 10:28	JC\MD	Ok
6	VN0827WBS01	VN083500.D	27 Aug 2024 11:27	JC\MD	Not Ok
7	PB162992TB	VN083501.D	27 Aug 2024 11:52	JC\MD	Ok
8	VN0827WBS02	VN083502.D	27 Aug 2024 12:16	JC\MD	Ok,M
9	PB162992ZHE#01	VN083503.D	27 Aug 2024 12:40	JC\MD	Ok,M
10	PB162992ZHE#02	VN083504.D	27 Aug 2024 13:04	JC\MD	Ok,M
11	PB162992ZHE#03	VN083505.D	27 Aug 2024 13:28	JC\MD	Ok,M
12	PB162992ZHE#04	VN083506.D	27 Aug 2024 13:52	JC\MD	Ok,M
13	PB162992ZHE#05	VN083507.D	27 Aug 2024 14:16	JC\MD	Ok,M
14	PB162992ZHE#06	VN083508.D	27 Aug 2024 14:41	JC\MD	Ok,M
15	PB162992ZHE#07	VN083509.D	27 Aug 2024 15:05	JC\MD	Ok,M
16	PB162992ZHE#08	VN083510.D	27 Aug 2024 15:29	JC\MD	Ok,M
17	PB162992ZHE#09	VN083511.D	27 Aug 2024 15:53	JC\MD	Ok,M
18	P3726-02	VN083512.D	27 Aug 2024 16:18	JC\MD	Ok
19	P3727-04	VN083513.D	27 Aug 2024 16:42	JC\MD	ReRun
20	P3735-06	VN083514.D	27 Aug 2024 17:06	JC\MD	Ok,M
21	P3735-12	VN083515.D	27 Aug 2024 17:30	JC\MD	Ok

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN082724

Review By	John Carlone	Review On	8/28/2024 9:32:17 AM
Supervise By	Mahesh Dadoda	Supervise On	8/28/2024 5:37:08 PM
SubDirectory	VN082724	HP Acquire Method	HP Processing Method 82N080724W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP129980		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP129981,VP129982		

22	P3735-18	VN083516.D	27 Aug 2024 17:55	JC\MD	ReRun
23	P3739-04	VN083517.D	27 Aug 2024 18:19	JC\MD	Ok
24	P3739-08	VN083518.D	27 Aug 2024 18:43	JC\MD	Ok
25	P3739-12	VN083519.D	27 Aug 2024 19:08	JC\MD	Ok
26	P3739-16	VN083520.D	27 Aug 2024 19:32	JC\MD	Ok
27	VN0827WBS03	VN083521.D	27 Aug 2024 19:56	JC\MD	Not Ok
28	VSTDCCC050	VN083522.D	27 Aug 2024 20:20	JC\MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN080724

Review By	John Carlone	Review On	8/8/2024 9:36:00 AM
Supervise By	Mahesh Dadoda	Supervise On	8/9/2024 6:16:03 AM
SubDirectory	VN080724	HP Acquire Method	HP Processing Method 82N080724W.M

STD. NAME	STD REF.#
Tune/Reschk	VP129516
Initial Calibration Stds	VP129526,VP129527,VP129528,VP129529,VP129530,VP129531
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP129532
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN083134.D	07 Aug 2024 10:09		JC\MD	Ok
2	VSTDICC100	VSTDICC100	VN083135.D	07 Aug 2024 10:33	Good for DOD	JC\MD	Ok,M
3	VSTDICCC050	VSTDICCC050	VN083136.D	07 Aug 2024 10:58	QR- 43	JC\MD	Ok,M
4	VSTDICC020	VSTDICC020	VN083137.D	07 Aug 2024 11:22		JC\MD	Ok,M
5	VSTDICC010	VSTDICC010	VN083138.D	07 Aug 2024 11:46		JC\MD	Ok,M
6	VSTDICC005	VSTDICC005	VN083139.D	07 Aug 2024 12:10		JC\MD	Ok,M
7	VSTDICC001	VSTDICC001	VN083140.D	07 Aug 2024 12:34		JC\MD	Ok,M
8	IBLK	IBLK	VN083141.D	07 Aug 2024 13:22		JC\MD	Ok
9	VSTDICV050	ICVVN080724	VN083142.D	07 Aug 2024 14:49		JC\MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN082324

Review By	Semsettin Yesilyurt	Review On	8/26/2024 4:59:07 PM
Supervise By	Mahesh Dadoda	Supervise On	8/26/2024 5:00:36 PM
SubDirectory	VN082324	HP Acquire Method	MSVOA_N HP Processing Method 82N080724W.M

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	VP129924
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP129926,VP129927

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN083446.D	23 Aug 2024 08:15		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN083447.D	23 Aug 2024 08:39	V13516	JC\MD	Ok,M
3	VN0823MBL01	VN0823MBL01	VN083448.D	23 Aug 2024 09:51		JC\MD	Ok
4	VN0823WBL01	VN0823WBL01	VN083449.D	23 Aug 2024 10:15		JC\MD	Ok
5	VN0823WBS01	VN0823WBS01	VN083450.D	23 Aug 2024 10:50	Recovery fail	JC\MD	Not Ok
6	VN0823WBS02	VN0823WBS02	VN083451.D	23 Aug 2024 11:14		JC\MD	Ok,M
7	VN0823WBSD01	VN0823WBSD01	VN083452.D	23 Aug 2024 11:45	Surrogate Fail	JC\MD	Not Ok
8	VIBLK	VIBLK	VN083453.D	23 Aug 2024 12:09		JC\MD	Ok
9	PB162920TB	PB162920TB	VN083454.D	23 Aug 2024 12:35		JC\MD	Ok
10	PB162920ZHE#01	PB162920ZHE#01	VN083455.D	23 Aug 2024 12:59		JC\MD	Ok
11	PB162920ZHE#02	PB162920ZHE#02	VN083456.D	23 Aug 2024 13:23		JC\MD	Ok
12	PB162920ZHE#03	PB162920ZHE#03	VN083457.D	23 Aug 2024 13:47		JC\MD	Ok,M
13	P3689-01	WC-1	VN083458.D	23 Aug 2024 14:12	vial A pH#5.0	JC\MD	Ok
14	P3694-02	Kingsland-Driveway	VN083459.D	23 Aug 2024 14:36	vial A pH#5.0	JC\MD	Ok
15	P3704-03	LNG-Soil Pile	VN083460.D	23 Aug 2024 15:00	vial A pH#5.0	JC\MD	Ok
16	P3715-02	TRIP-BLANK-24082103	VN083461.D	23 Aug 2024 15:31	CCAL Low;,,TB;	JC\MD	Ok
17	P3716-01	1048-MW-01(23)	VN083462.D	23 Aug 2024 15:55	vial A pH<2 Surrogate fail;;need 20x	JC\MD	Dilution

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN082324

Review By	Semsettin Yesilyurt	Review On	8/26/2024 4:59:07 PM		
Supervise By	Mahesh Dadoda	Supervise On	8/26/2024 5:00:36 PM		
SubDirectory	VN082324	HP Acquire Method	MSVOA_N	HP Processing Method	82N080724W.M
STD. NAME	STD REF.#				
Tune/Reschk Initial Calibration Stds	VP129924				
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP129926,VP129927				

18	P3716-05	1050-MW-03A(17)	VN083463.D	23 Aug 2024 16:20	vial A pH<2	JC\MD	Ok
19	P3716-07	1052-MW-17A(15.5)	VN083464.D	23 Aug 2024 16:44	vial A pH<2	JC\MD	Ok
20	P3716-06	1051-MW-11(15)	VN083465.D	23 Aug 2024 17:08	vial A pH<2 need 4x	JC\MD	Dilution
21	P3715-01	VOA-240821073-02	VN083466.D	23 Aug 2024 17:32	need 5x	JC\MD	ReRun
22	P3716-02	1049-MW-02(23.8)	VN083467.D	23 Aug 2024 17:56	vial A pH<2	JC\MD	Ok
23	P3716-03MS	1049-MW-02(23.8)MS	VN083468.D	23 Aug 2024 18:21	vial A pH<2	JC\MD	Ok,M
24	P3716-04MSD	1049-MW-02(23.8)MSD	VN083469.D	23 Aug 2024 18:45	vial A pH<2	JC\MD	Ok,M
25	VSTDCCC050	VSTDCCC050EC	VN083470.D	23 Aug 2024 19:33		JC\MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN082624

Review By	John Carlone	Review On	8/27/2024 9:18:39 AM
Supervise By	Mahesh Dadoda	Supervise On	8/27/2024 4:22:53 PM
SubDirectory	VN082624	HP Acquire Method	HP Processing Method 82N080724W.M

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	VP129965
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP129966,VP129967

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN083471.D	26 Aug 2024 08:36		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN083472.D	26 Aug 2024 09:56	V13516	JC\MD	Ok,M
3	VN0826MBL01	VN0826MBL01	VN083473.D	26 Aug 2024 10:35		JC\MD	Ok
4	VN0826WBL01	VN0826WBL01	VN083474.D	26 Aug 2024 11:33		JC\MD	Ok
5	VN0826WBS01	VN0826WBS01	VN083475.D	26 Aug 2024 11:57	Recovery fail	JC\MD	Not Ok
6	VN0826WBS02	VN0826WBS02	VN083476.D	26 Aug 2024 12:31		JC\MD	Ok,M
7	P3716-06DL	1051-MW-11(15)DL	VN083477.D	26 Aug 2024 12:55	vial B pH<2	JC\MD	Ok
8	P3716-01DL	1048-MW-01(23)DL	VN083478.D	26 Aug 2024 13:19	vial B pH<2	JC\MD	Ok
9	P3715-01	VOA-240821073-02	VN083479.D	26 Aug 2024 13:43	vial A pH#6.0	JC\MD	Ok
10	IBLK	IBLK	VN083480.D	26 Aug 2024 14:07		JC\MD	Ok
11	P3654-15	Storage-Blank-SOIL-RE	VN083481.D	26 Aug 2024 14:32	vial A pH<2	JC\MD	Ok
12	P3654-17	Storage-Blank-WATER-	VN083482.D	26 Aug 2024 14:56	vial A pH<2	JC\MD	Ok
13	P3654-18	Storage-Blank-SAMPLE	VN083483.D	26 Aug 2024 15:20	vial B pH<2	JC\MD	Ok
14	P3716-09	1054-TB082024	VN083484.D	26 Aug 2024 15:44	vial A pH<2 TB;hit of com.#67,68,69	JC\MD	ReRun
15	P3716-08	1053-FB082024	VN083485.D	26 Aug 2024 16:09	vial A pH<2 FB;hit of com.#16,68	JC\MD	ReRun
16	P3706-04	EB01-082024	VN083486.D	26 Aug 2024 16:33	vial A pH<2 EB No BSD	JC\MD	ReRun
17	P3706-05	TB02-082024	VN083487.D	26 Aug 2024 16:57	vial A pH<2 TB	JC\MD	Ok

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN082624

Review By	John Carlone	Review On	8/27/2024 9:18:39 AM
Supervise By	Maresh Dadoda	Supervise On	8/27/2024 4:22:53 PM
SubDirectory	VN082624	HP Acquire Method	HP Processing Method 82N080724W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP129965		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP129966,VP129967		

18	VN0826WBSD01	VN0826WBSD01	VN083488.D	26 Aug 2024 17:21	Recovery fail	JC\MD	Not Ok
19	P3633-03	DSN003	VN083489.D	26 Aug 2024 17:46	vial A pH<2 No BSD	JC\MD	ReRun
20	P3706-03	MW-10A-9.5-082024	VN083490.D	26 Aug 2024 18:10	vial A pH<2 No BSD	JC\MD	ReRun
21	P3633-01	DSN001	VN083491.D	26 Aug 2024 18:34	vial A pH<2 No BSD	JC\MD	ReRun
22	P3622-01RE	028-OUTFALLRE	VN083492.D	26 Aug 2024 18:59	vial B pH<2 Surrogate fail	JC\MD	Confirms
23	P3716-08	1053-FB082024	VN083493.D	26 Aug 2024 19:47	vial B pH<2	JC\MD	Ok
24	VSTDCCC050	VSTDCCC050EC	VN083494.D	26 Aug 2024 20:11		JC\MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN082724

Review By	John Carlone	Review On	8/28/2024 9:32:17 AM
Supervise By	Mahesh Dadoda	Supervise On	8/28/2024 5:37:08 PM
SubDirectory	VN082724	HP Acquire Method	HP Processing Method 82N080724W.M

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	VP129980
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP129981,VP129982

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN083495.D	27 Aug 2024 08:29		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN083496.D	27 Aug 2024 09:05	M4388	JC\MD	Ok,M
3	VN0827MBL01	VN0827MBL01	VN083497.D	27 Aug 2024 09:39		JC\MD	Ok
4	VN0827WBL01	VN0827WBL01	VN083498.D	27 Aug 2024 10:04		JC\MD	Ok
5	P3716-09	1054-TB082024	VN083499.D	27 Aug 2024 10:28	vial B pH<2 TB;hit confirmed	JC\MD	Ok
6	VN0827WBS01	VN0827WBS01	VN083500.D	27 Aug 2024 11:27	Recovery Failing	JC\MD	Not Ok
7	PB162992TB	PB162992TB	VN083501.D	27 Aug 2024 11:52		JC\MD	Ok
8	VN0827WBS02	VN0827WBS02	VN083502.D	27 Aug 2024 12:16		JC\MD	Ok,M
9	PB162992ZHE#01	PB162992ZHE#01	VN083503.D	27 Aug 2024 12:40		JC\MD	Ok,M
10	PB162992ZHE#02	PB162992ZHE#02	VN083504.D	27 Aug 2024 13:04		JC\MD	Ok,M
11	PB162992ZHE#03	PB162992ZHE#03	VN083505.D	27 Aug 2024 13:28		JC\MD	Ok,M
12	PB162992ZHE#04	PB162992ZHE#04	VN083506.D	27 Aug 2024 13:52		JC\MD	Ok,M
13	PB162992ZHE#05	PB162992ZHE#05	VN083507.D	27 Aug 2024 14:16		JC\MD	Ok,M
14	PB162992ZHE#06	PB162992ZHE#06	VN083508.D	27 Aug 2024 14:41		JC\MD	Ok,M
15	PB162992ZHE#07	PB162992ZHE#07	VN083509.D	27 Aug 2024 15:05		JC\MD	Ok,M
16	PB162992ZHE#08	PB162992ZHE#08	VN083510.D	27 Aug 2024 15:29		JC\MD	Ok,M
17	PB162992ZHE#09	PB162992ZHE#09	VN083511.D	27 Aug 2024 15:53		JC\MD	Ok,M
18	P3726-02	MOO-SOIL-PILE	VN083512.D	27 Aug 2024 16:18	vial A pH#5.0	JC\MD	Ok

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN082724

Review By	John Carlone	Review On	8/28/2024 9:32:17 AM
Supervise By	Maresh Dadoda	Supervise On	8/28/2024 5:37:08 PM
SubDirectory	VN082724	HP Acquire Method	HP Processing Method 82N080724W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP129980		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP129981,VP129982		

19	P3727-04	MH-21	VN083513.D	27 Aug 2024 16:42	vial A pH#5.0, Surrogate Fail	JC\MD	ReRun
20	P3735-06	WC-11	VN083514.D	27 Aug 2024 17:06	vial A pH#5.0	JC\MD	Ok,M
21	P3735-12	WC-13	VN083515.D	27 Aug 2024 17:30	vial A pH#5.0	JC\MD	Ok
22	P3735-18	WC-16	VN083516.D	27 Aug 2024 17:55	vial A pH#5.0, Surrogate Fail	JC\MD	ReRun
23	P3739-04	WC-4	VN083517.D	27 Aug 2024 18:19	vial A pH#5.0	JC\MD	Ok
24	P3739-08	WC-1	VN083518.D	27 Aug 2024 18:43	vial A pH#5.0	JC\MD	Ok
25	P3739-12	WC-2	VN083519.D	27 Aug 2024 19:08	vial A pH#5.0	JC\MD	Ok
26	P3739-16	WC-3	VN083520.D	27 Aug 2024 19:32	vial A pH#5.0	JC\MD	Ok
27	VN0827WBS03	VN0827WBS03	VN083521.D	27 Aug 2024 19:56	Surrogate Fail	JC\MD	Not Ok
28	VSTDCCC050	VSTDCCC050EC	VN083522.D	27 Aug 2024 20:20		JC\MD	Ok,M

M : Manual Integration

Prep Standard - Chemical Standard Summary

Order ID : P3716

Test : VOC-TCLVOA-10

Prepbatch ID :

Sequence ID/Qc Batch ID: VN082324,VN082624,VN082724,

Standard ID :

VP126666,VP128290,VP128298,VP128762,VP128766,VP129517,VP129858,VP129924,VP129926,VP129927,VP129965,
VP129966,VP129967,VP129980,VP129981,VP129982,

Chemical ID :

V12794,V12798,V13390,V13444,V13462,V13463,V13708,V13800,V13801,V13952,V13953,V14016,V14017,V14103,V1410
4,V14140,V14141,V14143,V14147,V14148,V14169,V14170,V14202,V14207,V14219,V14288,V14467,V14468,V14469,W31
12,

VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
617	8260 Surrogate, 400PPM	VP126666	03/19/2024	09/19/2024	Semsettin Yesilyurt	None	None	Maresh Dadoda
03/28/2024								

FROM 0.80000ml of V13708 + 49.20000ml of V14141 = Final Quantity: 50.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
218	BFB, 25PPM	VP128290	06/10/2024	11/23/2024	Semsettin Yesilyurt	None	None	Maresh Dadoda
06/12/2024								

FROM 0.25000ml of V13390 + 24.75000ml of V14148 = Final Quantity: 25.000 ml

VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
247	8260 Internal Standard, 250PPM	VP128298	06/10/2024	11/23/2024	Semsettin Yesilyurt	None	None	Maresh Dadoda
								06/12/2024

FROM 0.10000ml of V14288 + 9.90000ml of V14148 = Final Quantity: 10.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1810	8260 Working Std(2-CVE)-800ppm	VP128762	07/01/2024	12/11/2024	Semsettin Yesilyurt	None	None	Maresh Dadoda
								07/02/2024

FROM 0.50000ml of V12798 + 1.50000ml of V12794 + 23.00000ml of V14147 = Final Quantity: 25.000 ml

VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
719	8260 Working STD (BCM)-First source, 400PPM	VP128766	07/01/2024	12/11/2024	Semsettin Yesilyurt	None	None	Maresh Dadoda
								07/02/2024

FROM 1.50000ml of V13462 + 1.50000ml of V13463 + 12.00000ml of V14147 = Final Quantity: 15.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
257	8260 Calibration Working STD Mix-First source, 160PPM	VP129517	08/05/2024	09/14/2024	Semsettin Yesilyurt	None	None	Maresh Dadoda
								08/08/2024

FROM 0.40000ml of V13444 + 1.00000ml of V13800 + 1.00000ml of V13801 + 1.00000ml of V13952 + 1.00000ml of V13953 + 1.00000ml of V14016 + 1.00000ml of V14017 + 1.00000ml of V14103 + 1.00000ml of V14104 + 1.00000ml of V14169 + 1.00000ml of V14170 + 1.00000ml of V14219 + 1.50000ml of V14202 + 1.50000ml of V14207 + 10.60000ml of V14143 = Final Quantity: 25.000 ml

VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
51	8260 Working STD (Acrolein) -first source, 800PPM	VP129858	08/21/2024	09/15/2024	Semsettin Yesilyurt	None	None	Maresh Dadoda 08/24/2024

FROM 1.00000ml of V14469 + 1.50000ml of V14467 + 1.50000ml of V14468 + 21.00000ml of V14140 = Final Quantity: 25.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
589	BFB TUNE CHECK	VP129924	08/23/2024	08/24/2024	Semsettin Yesilyurt	None	None	Maresh Dadoda 08/27/2024

FROM 39.98400ml of W3112 + 0.01600ml of VP128290 = Final Quantity: 40.000 ml

VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
620	50 PPB CCC, 8260-Water	VP129926	08/23/2024	08/24/2024	Semsettin Yesilyurt	None	None	Maresh Dadoda
FROM 39.94450ml of W3112 + 0.00500ml of VP126666 + 0.00500ml of VP128766 + 0.00800ml of VP128298 + 0.01250ml of VP128762 + 0.01250ml of VP129517 + 0.01250ml of VP129858 = Final Quantity: 40.000 ml								

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
620	50 PPB CCC, 8260-Water	VP129927	08/23/2024	08/24/2024	Semsettin Yesilyurt	None	None	Maresh Dadoda
FROM 39.94450ml of W3112 + 0.00500ml of VP126666 + 0.00500ml of VP128766 + 0.00800ml of VP128298 + 0.01250ml of VP128762 + 0.01250ml of VP129517 + 0.01250ml of VP129858 = Final Quantity: 40.000 ml								

VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
589	BFB TUNE CHECK	VP129965	08/26/2024	08/27/2024	John Carlone	None	None	Maresh Dadoda
08/27/2024								

FROM 39.98400ml of W3112 + 0.01600ml of VP128290 = Final Quantity: 40.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
620	50 PPB CCC, 8260-Water	VP129966	08/26/2024	08/27/2024	John Carlone	None	None	Maresh Dadoda
08/27/2024								

FROM 39.94450ml of W3112 + 0.00500ml of VP126666 + 0.00500ml of VP128766 + 0.00800ml of VP128298 + 0.01250ml of VP128762 + 0.01250ml of VP129517 + 0.01250ml of VP129858 = Final Quantity: 40.000 ml

VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
620	50 PPB CCC, 8260-Water	VP129967	08/26/2024	08/27/2024	John Carlone	None	None	Maresh Dadoda
08/27/2024								

FROM 39.94450ml of W3112 + 0.00500ml of VP126666 + 0.00500ml of VP128766 + 0.00800ml of VP128298 + 0.01250ml of VP128762 + 0.01250ml of VP129517 + 0.01250ml of VP129858 = Final Quantity: 40.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
589	BFB TUNE CHECK	VP129980	08/27/2024	08/28/2024	John Carlone	None	None	Maresh Dadoda
08/27/2024								

FROM 39.98400ml of W3112 + 0.01600ml of VP128290 = Final Quantity: 40.000 ml

VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
620	50 PPB CCC, 8260-Water	VP129981	08/27/2024	08/28/2024	John Carlone	None	None	Maresh Dadoda
FROM 39.94450ml of W3112 + 0.00500ml of VP126666 + 0.00500ml of VP128766 + 0.00800ml of VP128298 + 0.01250ml of VP128762 + 0.01250ml of VP129517 + 0.01250ml of VP129858 = Final Quantity: 40.000 ml								

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
620	50 PPB CCC, 8260-Water	VP129982	08/27/2024	08/28/2024	John Carlone	None	None	Maresh Dadoda
FROM 39.94450ml of W3112 + 0.00500ml of VP126666 + 0.00500ml of VP128766 + 0.00800ml of VP128298 + 0.01250ml of VP128762 + 0.01250ml of VP129517 + 0.01250ml of VP129858 = Final Quantity: 40.000 ml								

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	12/13/2024	06/25/2024 / SAM	03/30/2022 / SAM	V12794

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	12/13/2024	06/25/2024 / SAM	03/30/2022 / SAM	V12798

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30067 / BFB tuneing solution	A0191805	12/08/2024	12/08/2023 / SAM	01/13/2023 / SAM	V13390

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	A0181905	12/14/2024	06/14/2024 / SAM	01/23/2023 / SAM	V13444

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	A0193071	01/01/2025	07/01/2024 / SAM	01/27/2023 / SAM	V13462

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	A0193071	01/01/2025	07/01/2024 / SAM	01/27/2023 / SAM	V13463

CHEMICAL RECEIPT LOG BOOK

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]	A0196865	09/19/2024	03/19/2024 / SAM	04/12/2023 / SAM	V13708

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, 2000ug/ml, PTM, 1ml	A0194279	01/30/2025	07/30/2024 / SAM	05/31/2023 / SAM	V13800

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, 2000ug/ml, PTM, 1ml	A0194279	12/28/2024	06/28/2024 / SAM	05/31/2023 / SAM	V13801

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	A0196115	09/30/2024	06/14/2024 / SAM	09/25/2023 / SAM	V13952

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	A0196115	09/30/2024	06/14/2024 / SAM	09/25/2023 / SAM	V13953

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)	032922	12/14/2024	06/14/2024 / SAM	11/22/2023 / SAM	V14016

CHEMICAL RECEIPT LOG BOOK

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)	032922	12/14/2024	06/14/2024 / SAM	11/22/2023 / SAM	V14017

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	A0205179	12/14/2024	06/14/2024 / SAM	12/22/2023 / SAM	V14103

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	A0205179	12/14/2024	06/14/2024 / SAM	12/22/2023 / SAM	V14104

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)	22L0562016	02/16/2025	08/16/2024 / SAM	02/06/2024 / SAM	V14140

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)	22L0562016	09/19/2024	03/19/2024 / SAM	02/06/2024 / SAM	V14141

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)	22L0562016	01/22/2025	07/22/2024 / SAM	02/06/2024 / SAM	V14143

CHEMICAL RECEIPT LOG BOOK

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)	22L0562016	12/11/2024	06/11/2024 / pedro	02/06/2024 / SAM	V14147

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)	22L0562016	11/23/2024	05/23/2024 / pedro	02/06/2024 / SAM	V14148

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)	021624	12/14/2024	06/14/2024 / SAM	02/20/2024 / SAM	V14169

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)	021624	12/14/2024	06/14/2024 / SAM	02/20/2024 / SAM	V14170

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	A0200785	12/25/2024	06/25/2024 / SAM	02/28/2024 / SAM	V14202

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	A0200785	12/25/2024	06/25/2024 / SAM	02/28/2024 / SAM	V14207

CHEMICAL RECEIPT LOG BOOK

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	A0200785	12/25/2024	06/25/2024 / SAM	02/28/2024 / SAM	V14219

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]	A0210184	06/10/2025	06/10/2024 / SAM	04/15/2024 / SAM	V14288

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	081524	09/15/2024	08/16/2024 / SAM	08/16/2024 / SAM	V14467

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	081524	09/15/2024	08/16/2024 / SAM	08/16/2024 / SAM	V14468

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	081524	09/15/2024	08/16/2024 / SAM	08/16/2024 / SAM	V14469

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / lwona	07/03/2024 / lwona	W3112

CERTIFIED WEIGHT REPORT

Part Number: **95317**
Lot Number: **021624**
Description: **Universal VOA Megamix**
69 components
Expiration Date: 021627
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 8UTB

Solvent(s): **Methanol**
Lot#: **EG359-USQ12**

Formulated By: <i>Prashant Chauhan</i>	021624
DATE	
Reviewed By: <i>Pedro L. Rentes</i>	021624
DATE	

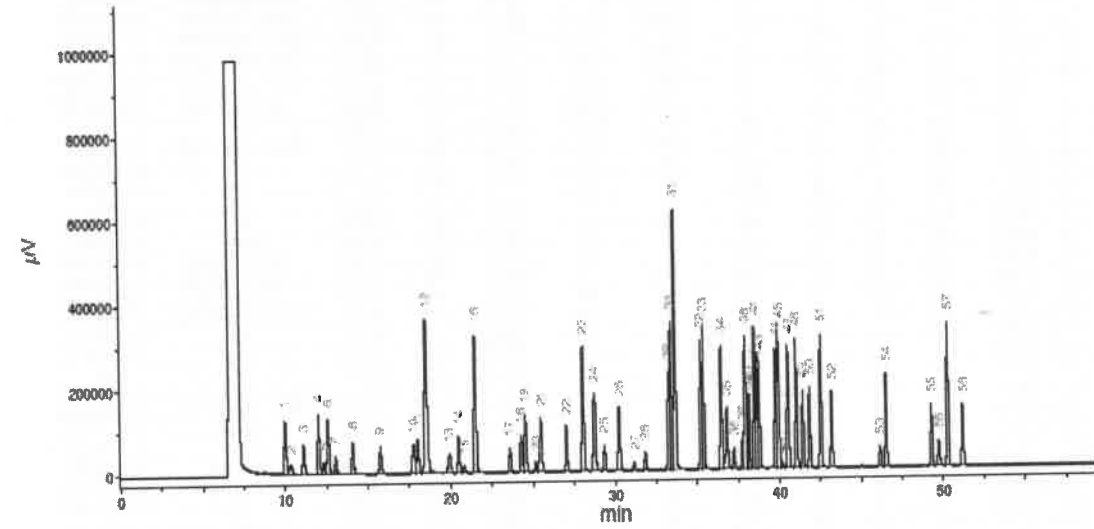
Weight(s) shown below were combined and diluted to (mL): **100.0** **0.021** Balance Uncertainty
Flask Uncertainty

Compound	(RM#)	Lot	Di.	Initial	Initial	Nominal	Purity	Purity	Uncertainty	Target	Actual	Actual	Expanded	SDS Information		
														(Solvent Safety Info. On Attached pg.)	CAS#	OSHA PEL (TWA)
	Part Number	Number	Factor	Vol. (mL)	Conc.(µg/mL)	Conc (µg/mL)	(%)	Uncertainty	Pipette (mL)	Weight(g)	Weight(g)	Conc (µg/mL)	(+/-) (µg/mL)			
1. Acetonitrile	(0324)	021644	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20020	2001.3	8.1	75-05-8	40 ppm (70mg/m3/8H)	or-rat 2400mg/kg
2. Allyl chloride (3-Chloropropene)	(0325)	102395	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	107-05-1	1 ppm (3mg/m3/8H)	or-rat 700mg/kg
3. Carbon disulfide	(0060)	MKCR8561	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20023	2001.6	8.1	75-15-0	4 ppm (12mg/m3) (skin)	or-rat 1200mg/kg
4. cis-1,4-Dichloro-2-butene	(1196)	14718EF	NA	NA	NA	2000	95	0.2	NA	0.21058	0.21069	2001.1	6.5	1476-11-5	N/A	N/A
5. trans-1,4-Dichloro-2-butene	(0486)	MKBPE041V	NA	NA	NA	2000	96.5	0.2	NA	0.20731	0.20748	2001.7	8.4	110-57-6	N/A	N/A
6. Diethyl ether	(0153)	IK18CAS000K	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	60-29-7	N/A	N/A
7. Ethyl methacrylate	(0381)	06126PK	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20230	2002.3	8.2	97-63-2	N/A	N/A
8. Iodomethane	(0489)	5HBF6718V	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20121	2001.5	8.2	74-88-4	5 ppm (28mg/m3/8H)(skin)	or-rat 14800mg/kg
9. 2-Methyl-1-propanol	(0445)	15241EB	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20120	2001.4	8.1	78-83-1	50 ppm (150mg/m3/8H)	or-rat 76mg/kg
10. Methacrylonitrile	(0442)	00427ET	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	126-98-7	1 ppm (3mg/m3/8H)(skin)	or-rat 130mg/kg
11. Methyl acrylate	(1075)	SHBK0679	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	96-33-3	10 ppm (35mg/m3/8H)(skin)	or-rat 277mg/kg
12. Methyl methacrylate	(0404)	MKBW5137V	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20041	2001.6	8.1	96-62-6	100 ppm (410mg/m3/8H)	or-rat 7872mg/kg
13. Nitrobenzene	(0228)	01213TV	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20220	2001.3	8.2	98-95-3	1 ppm (5mg/m3/8H)(skin)	or-rat 780mg/kg
14. 2-Nitropropane	(0481)	14002JX	NA	NA	NA	2000	97.3	0.2	NA	0.20560	0.20577	2001.6	8.3	79-46-9	10 ppm (35mg/m3/8H)	or-rat 720mg/kg
15. Perfluorooctane	(0450)	HGA01	NA	NA	NA	2000	98	0.2	NA	0.20413	0.20430	2001.6	8.3	76-01-7	N/A	N/A
16. 1,1,2-Trichlorotrifluoroethane	(0474)	18930	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20225	2001.8	8.2	76-13-1	1000 ppm (7800mg/m3/8H)	or-rat 43g/kg
17. Bromodichloromethane	35171	101623	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-27-4	N/A	or-rat 916mg/kg
18. Dibromochloromethane	35171	101623	0.05	5.00	40002.1	2000	NA	NA	0.017	NA	NA	1999.6	23.0	124-48-1	N/A	or-rat 840mg/kg
19. cis-1,2-Dichloroethane	35171	101623	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	156-59-2	N/A	N/A
20. trans-1,2-Dichloroethane	35171	101623	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	23.0	156-60-5	N/A	or-rat 1233mg/kg
21. Methylene chloride	35171	101623	0.05	5.00	40002.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-09-2	500 ppm	or-rat 820mg/kg
22. 1,1-Dichloroethene	32251	102023	0.10	10.00	20001.6	2000	NA	NA	0.042	NA	NA	1999.6	22.9	75-35-4	1 ppm (4mg/m3/8H)	or-rat 200mg/kg
23. Bromoform	95321	020724	0.10	10.00	20003.2	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-25-2	0.5 ppm (5mg/m3) (skin)	or-rat 930mg/kg
24. Carbon tetrachloride	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	56-23-5	2 ppm (12.6mg/m3/8H)	or-rat 2350mg/kg
25. Chloroform	95321	020724	0.10	10.00	20024.0	2000	NA	NA	0.042	NA	NA	2001.9	20.5	67-68-3	50 ppm (240mg/m3) (CL)	or-rat 900mg/kg
26. Dibromomethane	95321	020724	0.10	10.00	20002.9	2000	NA	NA	0.042	NA	NA	1999.8	20.5	74-95-3	N/A	or-rat 108mg/kg
27. 1,1-Dichloroethane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-34-3	100 ppm	or-rat 725mg/kg
28. 2,2-Dichloropropane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	594-20-7	N/A	N/A
29. Trichloroethane	95321	020724	0.10	10.00	20201.1	2000	NA	NA	0.042	NA	NA	2019.6	20.8	127-18-4	25 ppm (170mg/m3/8H)(linal)	or-rat 2629mg/kg
30. 1,1,1-Trichloroethane	95321	020724	0.10	10.00	20003.0	2000	NA	NA	0.042	NA	NA	1999.8	20.5	71-55-6	350 ppm (1900mg/m3/8H)	or-rat 10300mg/kg
31. 1,2-Dibromo-3-chloropropane	35161	112322	0.05	5.00	40016.5	2000	NA	NA	0.017	NA	NA	2000.3	22.9	96-12-6	0.001 ppm	or-rat 170mg/kg
32. 1,2-Dibromomethane	35161	112322	0.05	5.00	40024.8	2000	NA	NA	0.017	NA	NA	2000.7	22.9	106-93-4	20 ppm (8H)	or-rat 108mg/kg
33. 1,2-Dichloroethane	35161	112322	0.05	5.00	40018.0	2000	NA	NA	0.017	NA	NA	2000.4	22.9	107-08-2	50 ppm (8H)	or-rat 870mg/kg
34. 1,2-Dichloropropane	35161	112322	0.05	5.00	40005.0	2000	NA	NA	0.017	NA	NA	2002.0	22.9	78-57-5	75 ppm (350mg/m3/8H)	or-rat 1947mg/kg
35. 1,3-Dichloropropane	35161	112322	0.05	5.00	40005.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	142-28-9	N/A	unr-mus 3600mg/kg
36. 1,1-Dichloropropene	35161	112322	0.05	5.00	40012.1	2000	NA	NA	0.017	NA	NA	2000.1	29.7	563-56-6	N/A	N/A
37. cis-1,3-Dichloropropene	35161	112322	0.05	5.00	40010.0	2000	NA	NA	0.017	NA	NA	2000.0	23.0	10061-01-5	N/A	N/A
38. trans-1,3-Dichloropropene	35161	112322	0.05	5.00	40017.8	2000	NA	NA	0.017	NA	NA	2000.4	23.0	10061-02-6	N/A	N/A
39. Hexachloro-1,3-butadiene	35161	112322	0.05	5.00	40021.9	2000	NA	NA	0.017	NA	NA	2000.6	29.7	67-68-3	0.02 ppm (0.24mg/m3/8H)	or-rat 62mg/kg
40. 1,1,1,2-Tetrachloroethane	35161	112322	0.05	5.00	40011.9	2000	NA	NA	0.017	NA	NA	2000.1	22.9	630-20-6	N/A	or-rat 670mg/kg
41. 1,1,2,2-Tetrachloroethane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	79-34-5	5 ppm (33mg/m3/8H)(skin)	or-rat 800mg/kg
42. 1,1,2-Trichloroethane	35161	112322	0.05	5.00	40006.6	2000	NA	NA	0.017	NA	NA	1999.8	23.0	79-00-5	10 ppm (46mg/m3/8H)(skin)	or-rat 836mg/kg
43. Trichloroethene	35161	112322	0.05	5.00	40029.0	2000	NA	NA	0.017	NA	NA	2000.9	22.9	79-01-6	50 ppm (270mg/m3/8H)	or-mus 2400mg/kg
44. 1,2,3-Trichloropropane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	96-18-4	10 ppm (50mg/m3/8H)	or-rat 149.6mg/kg
45. Benzene	35162	050823	0.05	5.00	40005.0	2000	NA	NA	0.017	NA	NA	1999.7	22.9	71-43-2	1 ppm	or-rat 4694mg/kg
46. Bromobenzene	35162	050823	0.05	5.00	40006.9	2000	NA	NA	0.017	NA	NA	1999.7	22.9	104-51-8	N/A	N/A
47. n-Butyl benzene	35162	050823	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-41-4	100 ppm (435mg/m3/8H)	or-rat >2000mg/kg
48. Ethyl benzene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	99-87-6	N/A	or-rat 4750mg/kg
49. p-Isopropyl toluene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	91-20-3	10 ppm (50mg/m3/8H)	or-rat 4900mg/kg
50. Naphthalene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-42-5	100 ppm	or-rat 5000mg/kg
51. Styrene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	106-98-3	200 ppm	or-rat 5000mg/kg
52. Toluene	35162	050823	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	87-61-6	N/A	or-rat 1390mg/kg
53. 1,2,3-Trichlorobenzene	35162	050823	0.05	5.00	40006.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	120-82-1	5 ppm (CL) (40mg/m3)	or-rat 750mg/kg
54. 1,2,4-Trichlorobenzene	35162	050823	0.05	5.00	40001.6	2000	NA	NA	0.017	NA	NA	1999.6	23.0	95-63-6	N/A	or-rat 5g/kg
55. 1,3,5-Trimethylbenzene	35162	050823	0.05	5.00	40006.7	2000	NA	NA	0.017	NA	NA	1999.8	22.9	106-67-8	N/A	or-rat 5000mg/kg
56. m-Xylene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	106-38-3	100 ppm (435mg/m3/8H)	or-rat 5g/kg
57. tert-Butyl benzene	35163	101923	0.05	5.00	40001.2	2000	NA	NA	0.017	NA	NA	1999.6	22.9	98-06-6	N/A	N/A
58. sec-Butyl benzene	35163	101923	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	22.9	135-98-8	N/A	or-rat 2240mg/kg
59. Chlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	108-90-7	75 ppm (350mg/m3/8H)	or-rat 2290mg/kg
60. 2-Chlorotoluene	35163	101923	0.05	5.00	40000.3	2000	NA	NA	0.017	NA	NA	1999.5	22.9	95-49-8	50 ppm (250mg/m3/8H)	or-rat 3900mg/kg
61. 4-Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	106-43-4	N/A	or-rat 2100mg/kg
62. 1,2-Dichlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	95-50-1	50 ppm (300mg/m3) (CL)	or-rat 500mg/kg
63. 1,3-Dichlorobenzene	35163	101923	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999				

Run 16, "P95317 L021624 [2000µg/mL in MeOH]"

Run Length: 60.00 min, 35998 points at 10 points/second.
Created: Sat, Feb 17, 2024 at 8:56:46 AM.
Sampled: Sequence "021624-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., Hydrogen(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=3



Peak #	Name	FID RT (min.)
1	Ether	9.97
2	1,1,2-Trichloro-1,2,2-trifluoroethane	10.33
3	1,1-Dichloroethane	11.10
4	Acetonitrile	12.00
5	Iodomethane	12.31
6	Allyl chloride	12.56
7	Carbon disulfide/Methylene chloride	13.04
8	trans-1,2-Dichloroethane	14.07
9	1,1-Dichloroethane	15.74
10	2,2-Dichloropropane	17.24
11	cis-1,2-Dichloroethane	18.00
12	Methacrylonitrile/methyl acrylate/Chloroform	18.48
13	Isobutane/1,1,1-Trichloroethane	19.01
14	1,1-Dichloropropane	20.46
15	Carbon tetrachloride	20.79
16	Benzene/1,2-Dichloroethane	21.49
17	Trichloroethane	23.58
18	1,2-Dichloropropane	24.38
19	Methyl methacrylate	24.52
20	Bromochloromethane	25.13
21	Dibromomethane/2-Helopropene	25.46
22	cis-1,3-Dichloropropene	27.02
23	Toluene	28.05
24	Ethyl methacrylate/trans-1,3-Dichloropropene	28.73
25	1,1,2-Trichloroethane	29.34
26	Tetrachloroethene/1,3-Dichloropropene	30.24
27	Dibromochloromethane	31.16
28	1,2-Dibromomethane	31.84
29	Chlorobenzene	33.26
30	Ethylbenzene/1,1,1,2-Tetrachloroethane	33.40
31	m-Xylene/p-Xylene	33.66
32	o-Xylene	35.22
33	Styrene	35.39
34	Isopropylbenzene/Bromoforn	36.18
35	cis-1,4-Dichloro-3-butene	36.48
36	1,1,2,2-Tetrachloroethane	37.23
37	1,2,3-Trichloropropene	37.77
38	n-Propylbenzene	37.93
39	trans-1,4-Dichloro-3-butene	38.05
40	Bromobenzene	38.14
41	1,3,5-Trimethylbenzene	38.80
42	2-Chlorotoluene	38.82
43	4-Chlorotoluene	38.77
44	tert-Butylbenzene	39.74
45	1,2,4-Trimethylbenzene	39.91
46	Pentachloroethane	40.17
47	sec-Butylbenzene	40.52
48	p-Isopropyltoluene	41.02
49	1,3-Dichlorobenzene	41.42
50	1,4-Dichlorobenzene	41.83
51	n-Butylbenzene	42.53
52	1,2-Dichlorobenzene	43.18
53	1,2-Dibromo-3-chloropropane	46.12
54	Nitrobenzene	46.46
55	1,2,4-Trichlorobenzene	49.26
56	Hexachlorobutadiene	49.72
57	Naphthalene	50.26
58	1,2,3-Trichlorobenzene	51.16

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	1-352-323-3500
		Date Prepared/Revised	January 1, 2023

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 shield
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.
Storage Conditions	Use ventilation. Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge. 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 (H ₂ O = 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)	IATA
UN number: 1230 Class: 3 Packing group: II	UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol	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.

CERTIFIED WEIGHT REPORT

Part Number: **95317**
Lot Number: **021624**
Description: **Universal VOA Megamix**
69 components
Expiration Date: 021627
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 8UTB

Solvent(s): **Methanol**
Lot#: **EG359-USQ12**

Formulated By: <i>Prashant Chauhan</i>		021624
		DATE
Reviewed By: <i>Pedro L. Rentes</i>		021624
		DATE

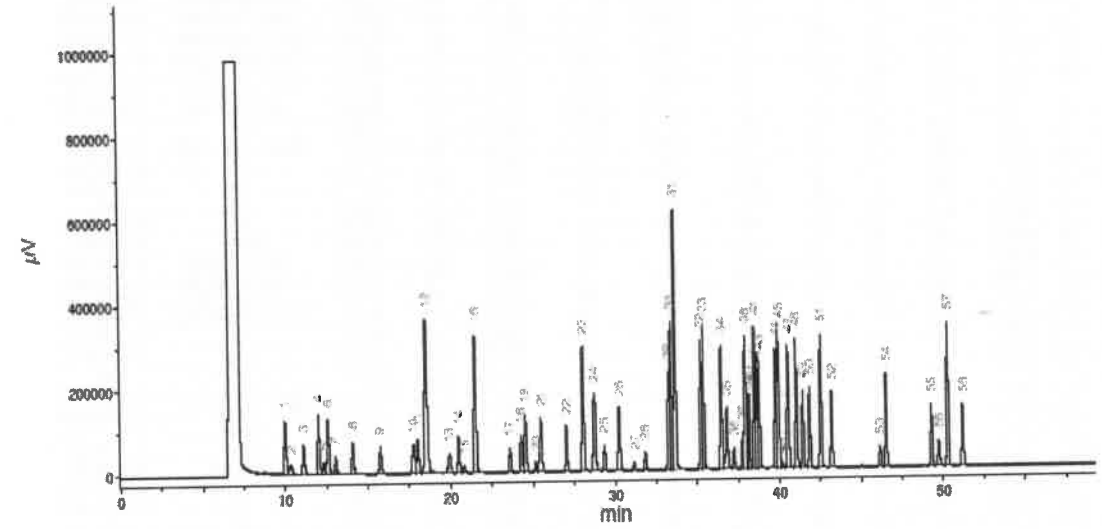
Weight(s) shown below were combined and diluted to (mL): **100.0** **0.021** Balance Uncertainty
Flask Uncertainty

Compound	(RM#)	Lot Number	Di. Factor	Initial Vol. (mL)	Initial Conc. (µg/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)	021644	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20020	2001.3	8.1	75-05-8	40 ppm (70mg/m3/8H)	or-rat 2400mg/kg
2. Allyl chloride (3-Chloropropene)	(0325)	102395	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	107-05-1	1 ppm (3mg/m3/8H)	or-rat 700mg/kg
3. Carbon disulphide	(0060)	MKGR8581	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20023	2001.6	8.1	75-15-0	4 ppm (12mg/m3) (skin)	or-rat 1200mg/kg
4. cis-1,4-Dichloro-2-butene	(1196)	14718EF	NA	NA	NA	2000	95	0.2	NA	0.21058	0.21069	2001.1	8.5	1476-11-5	N/A	N/A
5. trans-1,4-Dichloro-2-butene	(0486)	MKBPE041F	NA	NA	NA	2000	96.5	0.2	NA	0.20731	0.20748	2001.7	8.4	110-57-6	N/A	N/A
6. Diethyl ether	(0153)	IK18CASA000K	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	60-29-7	N/A	N/A
7. Ethyl methacrylate	(0381)	06126PK	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20230	2002.3	8.2	97-63-2	N/A	or-rat 14800mg/kg
8. Iodomethane	(0489)	5HBF6718V	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20121	2001.5	8.2	74-88-4	5 ppm (28mg/m3/8H) (skin)	or-rat 78mg/kg
9. 2-Methyl-1-propanol	(0445)	15241EB	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20120	2001.4	8.1	78-83-1	50 ppm (150mg/m3/8H)	or-rat 3480mg/kg
10. Methacrylonitrile	(0442)	00427ET	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	126-98-7	1 ppm (3mg/m3/8H) (skin)	or-rat 130mg/kg
11. Methyl acrylate	(1075)	SHBK0679	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	96-33-3	10 ppm (35mg/m3/8H) (skin)	or-rat 277mg/kg
12. Methyl methacrylate	(0404)	MKBW5137V	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20041	2001.6	8.1	96-62-6	100 ppm (410mg/m3/8H)	or-rat 7872mg/kg
13. Nitrobenzene	(0228)	01213TV	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20220	2001.3	8.2	98-95-3	1 ppm (5mg/m3/8H) (skin)	or-rat 7100mg/kg
14. 2-Nitropropane	(0461)	14002JX	NA	NA	NA	2000	97.3	0.2	NA	0.20560	0.20577	2001.6	8.3	79-46-9	10 ppm (35mg/m3/8H)	or-rat 720mg/kg
15. Perfluorooctane	(0450)	HGA01	NA	NA	NA	2000	98	0.2	NA	0.20413	0.20430	2001.8	8.3	76-01-7	N/A	N/A
16. 1,1,2-Trichlorotrifluoroethane	(0474)	18930	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20225	2001.8	8.2	76-13-1	1000 ppm (7800mg/m3/8H)	or-rat 43mg/kg
17. Bromodichloromethane	35171	101623	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-27-4	N/A	or-rat 916mg/kg
18. Dibromochloromethane	35171	101623	0.05	5.00	40002.1	2000	NA	NA	0.017	NA	NA	1999.6	23.0	124-48-1	N/A	or-rat 840mg/kg
19. cis-1,2-Dichloroethane	35171	101623	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	156-59-2	N/A	N/A
20. trans-1,2-Dichloroethane	35171	101623	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	22.9	156-60-5	N/A	or-rat 1233mg/kg
21. Methylene chloride	35171	101623	0.05	5.00	40002.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-09-2	500 ppm	or-rat 820mg/kg
22. 1,1-Dichloroethene	32251	102023	0.10	10.00	20001.6	2000	NA	NA	0.042	NA	NA	1999.7	20.4	75-35-4	1 ppm (4mg/m3/8H)	or-rat 200mg/kg
23. Bromoform	95321	020724	0.10	10.00	20003.2	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-25-2	0.5 ppm (5mg/m3) (skin)	or-rat 930mg/kg
24. Carbon tetrachloride	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	56-23-5	2 ppm (12.6mg/m3/8H)	or-rat 2350mg/kg
25. Chloroform	95321	020724	0.10	10.00	20024.0	2000	NA	NA	0.042	NA	NA	1999.8	20.5	67-66-3	50 ppm (240mg/m3) (CL)	or-rat 108mg/kg
26. Dibromomethane	95321	020724	0.10	10.00	20002.9	2000	NA	NA	0.042	NA	NA	1999.8	20.5	74-95-3	N/A	or-rat 108mg/kg
27. 1,1-Dichloroethane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-34-3	100 ppm	or-rat 725mg/kg
28. 2,2-Dichloropropane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	594-20-7	N/A	N/A
29. Tetrachloroethane	95321	020724	0.10	10.00	20201.1	2000	NA	NA	0.042	NA	NA	2019.6	20.8	127-18-4	25 ppm (170mg/m3/8H) (Inhal)	or-rat 2629mg/kg
30. 1,1,1-Trichloroethane	95321	020724	0.10	10.00	20003.0	2000	NA	NA	0.042	NA	NA	1999.8	20.5	71-55-6	350 ppm (1900mg/m3/8H)	or-rat 10300mg/kg
31. 1,2-Dibromo-3-chloropropane	35161	112322	0.05	5.00	40016.5	2000	NA	NA	0.017	NA	NA	2000.3	22.9	96-12-6	0.001 ppm	or-rat 170mg/kg
32. 1,2-Dibromomethane	35161	112322	0.05	5.00	40024.8	2000	NA	NA	0.017	NA	NA	2000.7	22.9	106-93-4	20 ppm (8H)	or-rat 108mg/kg
33. 1,2-Dichloroethane	35161	112322	0.05	5.00	40018.0	2000	NA	NA	0.017	NA	NA	2000.4	22.9	107-08-2	50 ppm (8H)	or-rat 870mg/kg
34. 1,2-Dichloropropane	35161	112322	0.05	5.00	40051.0	2000	NA	NA	0.017	NA	NA	2002.0	22.9	78-57-5	75 ppm (350mg/m3/8H)	or-rat 1947mg/kg
35. 1,3-Dichloropropane	35161	112322	0.05	5.00	40005.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	142-28-9	N/A	unr-mus 3600mg/kg
36. 1,1-Dichloropropane	35161	112322	0.05	5.00	40012.1	2000	NA	NA	0.017	NA	NA	2000.1	29.7	563-56-6	N/A	N/A
37. cis-1,3-Dichloropropene	35161	112322	0.05	5.00	40010.0	2000	NA	NA	0.017	NA	NA	2000.0	23.0	10061-01-5	N/A	N/A
38. trans-1,3-Dichloropropene	35161	112322	0.05	5.00	40017.8	2000	NA	NA	0.017	NA	NA	2000.4	23.0	10061-02-6	N/A	N/A
39. Hexachloro-1,3-butadiene	35161	112322	0.05	5.00	40021.9	2000	NA	NA	0.017	NA	NA	2000.6	29.7	87-68-3	0.02 ppm (0.24mg/m3/8H)	or-rat 82mg/kg
40. 1,1,1,2-Tetrachloroethane	35161	112322	0.05	5.00	40011.9	2000	NA	NA	0.017	NA	NA	2000.1	22.9	630-20-6	N/A	or-rat 670mg/kg
41. 1,1,2,2-Tetrachloroethane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	79-34-5	5 ppm (33mg/m3/8H) (skin)	or-rat 800mg/kg
42. 1,1,2-Trichloroethane	35161	112322	0.05	5.00	40006.6	2000	NA	NA	0.017	NA	NA	1999.8	23.0	79-00-5	10 ppm (46mg/m3/8H) (skin)	or-rat 836mg/kg
43. Trichloroethene	35161	112322	0.05	5.00	40029.0	2000	NA	NA	0.017	NA	NA	2000.9	22.9	79-01-6	80 ppm (270mg/m3/8H)	or-mus 2400mg/kg
44. 1,2,3-Trichloropropane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	96-18-4	10 ppm (50mg/m3/8H)	or-rat 149.6mg/kg
45. Benzene	35162	050823	0.05	5.00	40005.0	2000	NA	NA	0.017	NA	NA	1999.7	22.9	71-43-2	1 ppm	or-rat 4694mg/kg
46. Bromobenzene	35162	050823	0.05	5.00	40006.9	2000	NA	NA	0.017	NA	NA	1999.7	22.9	104-51-8	N/A	N/A
47. n-Butyl benzene	35162	050823	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-41-4	100 ppm (435mg/m3/8H)	or-rat >2000mg/kg
48. Ethyl benzene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	99-87-8	N/A	or-rat 4750mg/kg
49. p-Isopropyl toluene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	91-20-3	10 ppm (50mg/m3/8H)	or-rat 490mg/kg
50. Naphthalene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-42-5	100 ppm	or-rat 5000mg/kg
51. Styrene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	106-98-3	200 ppm	or-rat 5000mg/kg
52. Toluene	35162	050823	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	87-61-6	N/A	or-rat 1390mg/kg
53. 1,2,3-Trichlorobenzene	35162	050823	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	120-82-1	5 ppm (CL) (40mg/m3)	or-rat 750mg/kg
54. 1,2,4-Trichlorobenzene	35162	050823	0.05	5.00	40006.8	2000	NA	NA	0.017	NA	NA	1999.8	23.0	95-63-6	N/A	or-rat 5g/kg
55. 1,2,4-Trimethylbenzene	35162	050823	0.05	5.00	40001.6	2000	NA	NA	0.017	NA	NA	1999.8	22.9	106-57-8	N/A	or-rat 5000mg/kg
56. 1,3,5-Trimethylbenzene	35162	050823	0.05	5.00	40006.7	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-38-3	100 ppm (435mg/m3/8H)	or-rat 5g/kg
57. m-Xylene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	98-06-6	N/A	N/A
58. tert-Butyl benzene	35163	101923	0.05	5.00	40001.2	2000	NA	NA	0.017	NA	NA	1999.6	22.9	135-98-8	N/A	or-rat 2240mg/kg
59. sec-Butyl benzene	35163	101923	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.7	22.9	108-90-7	75 ppm (350mg/m3/8H)	or-rat 2290mg/kg
60. Chlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	95-49-8	50 ppm (250mg/m3/8H)	or-rat 3900mg/kg
61. 2-Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	106-43-4	N/A	or-rat 2100mg/kg
62. 4-Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	95-50-1	50 ppm (300mg/m3) (CL)	or-rat 500mg/kg
63. 1,2-Dichlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.6	23.0	541-73-1	N/A	or-mus 1062mg/kg
64. 1,3-Dichlorobenzene	35163	101923	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.7	22.9	96-52-6	78 ppm (450mg/m3/8H)	or-rat 500mg/kg
65. 1,4-Dichlorobenzene	35163	101923	0.05	5.00	40001.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	106-46-7	50 ppm (245mg/m3/8H)	or-rat 1400mg/kg

Run 16, "P95317 L021624 [2000µg/mL in MeOH]"

Run Length: 60.00 min, 35998 points at 10 points/second.
Created: Sat, Feb 17, 2024 at 8:56:46 AM.
Sampled: Sequence "021624-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., Hydrogen(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=3



Peak #	Name	FID RT (min.)
1	Ether	9.97
2	1,1,2-Trichloro-1,2,2-trifluoroethane	10.33
3	1,1-Dichloroethane	11.10
4	Acetonitrile	12.00
5	Iodomethane	12.31
6	Allyl chloride	12.56
7	Carbon disulfide/Methylene chloride	13.04
8	trans-1,2-Dichloroethane	14.07
9	1,1-Dichloroethane	15.74
10	2,2-Dichloropropane	17.24
11	cis-1,2-Dichloroethane	18.00
12	Methacrylonitrile/methyl acrylate/Chloroform	18.46
13	Isobutane/1,1,1-Trichloroethane	19.01
14	1,1-Dichloropropane	20.46
15	Carbon tetrachloride	20.79
16	Benzene/1,2-Dichloroethane	21.49
17	Trichloroethane	23.58
18	1,2-Dichloropropane	24.38
19	Methyl methacrylate	24.52
20	Bromochloromethane	25.13
21	Dibromomethane/2-Hydropropane	25.46
22	cis-1,3-Dichloropropene	27.02
23	Toluene	28.05
24	Ethyl methacrylate/trans-1,3-Dichloropropene	28.73
25	1,1,2-Trichloroethane	29.34
26	Tetrachloroethene/1,3-Dichloropropene	30.24
27	Dibromochloromethane	31.16
28	1,2-Dibromomethane	31.84
29	Chlorobenzene	33.26
30	Ethylbenzene/1,1,1,2-Tetrachloroethane	33.40
31	m-Xylene/p-Xylene	33.66
32	o-Xylene	35.22
33	Styrene	35.39
34	Isopropylbenzene/Bromoforn	36.18
35	cis-1,4-Dichloro-3-butene	36.48
36	1,1,2,2-Tetrachloroethane	37.23
37	1,2,3-Trichloropropene	37.77
38	n-Propylbenzene	37.93
39	trans-1,4-Dichloro-3-butene	38.05
40	Bromobenzene	38.14
41	1,3,5-Trimethylbenzene	38.80
42	2-Chlorotoluene	38.82
43	4-Chlorotoluene	38.77
44	tert-Butylbenzene	39.74
45	1,2,4-Trimethylbenzene	39.91
46	Pentachloroethane	40.17
47	sec-Butylbenzene	40.52
48	p-Isopropyltoluene	41.02
49	1,3-Dichlorobenzene	41.42
50	1,4-Dichlorobenzene	41.83
51	n-Butylbenzene	42.53
52	1,2-Dichlorobenzene	43.18
53	1,2-Dibromo-3-chloropropane	46.12
54	Nitrobenzene	46.46
55	1,2,4-Trichlorobenzene	49.26
56	Hexachlorobutadiene	49.72
57	Naphthalene	50.26
58	1,2,3-Trichlorobenzene	51.16

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	1-352-323-3500
		Date Prepared/Revised	January 1, 2023

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 shield
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.
Storage Conditions	Use ventilation. Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge. 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 (H ₂ O = 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)	IATA
UN number: 1230 Class: 3 Packing group: II	UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol	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.



Certified Reference Material CRM



CERTIFIED WEIGHT REPORT

Part Number:
032922
Description:
Revised Additions Mix

Solvent(s):
Methanol
Lot#
EC592-US

11 components

032925

Refrigerate (4 °C)

Varied

6UTB

Expiration Date:

Recommended Storage:

Nominal Concentration (µg/mL):

NIST Test ID#:

Weight(s) shown below were combined and diluted to (mL):

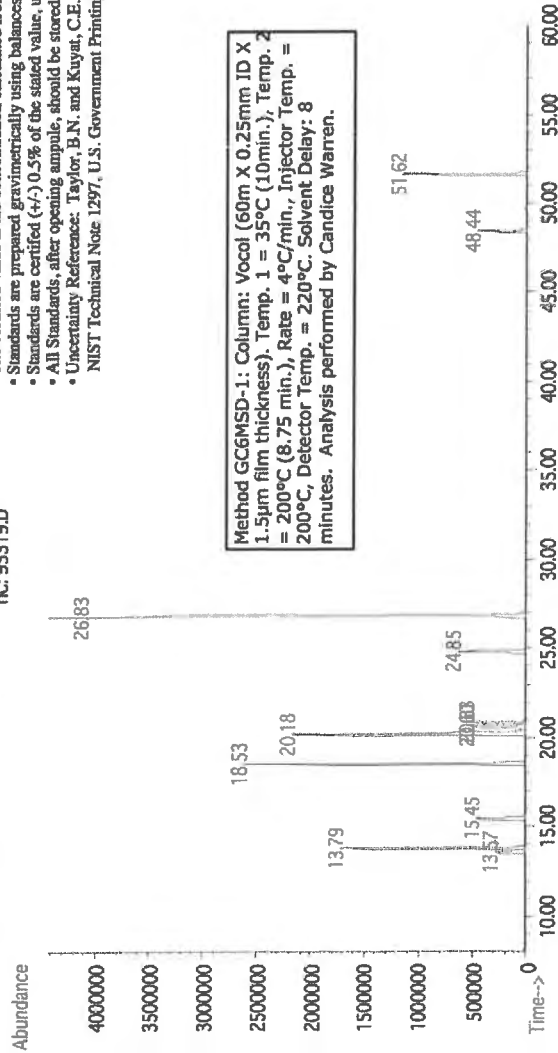
5E-05 Balance Uncertainty

0.012 Flask Uncertainty

<i>Prashant Chauhan</i>		032922
Formulated By:	Prashant Chauhan	DATE
<i>Pedro L. Rentas</i>		032922
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty	Target Weight (µg)	Actual Weight (g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information	
										(Solvent Safety Info. On Attached pg.)	OSHA PEL (TWA)
1. Acrylonitrile	7	4718CK	10000	99	0.2	1.01015	1.01030	10001.5	40.5	107-13-1	N/A
2. 1-Chlorobutane	1072	MKCM5711	2000	99.99	0.2	0.20003	0.20020	2001.7	8.1	109-69-3	N/A
3. Cyclohexane	1023	28930	2000	99	0.2	0.20203	0.20215	2001.2	8.2	110-82-7	300 ppm (1050mg/m ³ /8h)
4. Di-Isopropyl ether (DIPE)	987	00412MX	2000	99	0.2	0.20203	0.20215	2001.2	8.2	109-20-3	500 ppm (2100mg/m ³ /8h)
5. 1,4-Dioxane	373	03853KE	40000	99	0.2	4.04060	4.04100	40004.0	161.9	123-91-1	25 ppm (90mg/m ³ /8h)(skin)
6. Hexachloroethane	199	12604HBV	2000	99	0.2	0.20203	0.20213	2001.0	8.2	67-72-1	1 ppm (10mg/m ³ /8h)(skin)
7. Methylcyclohexane	1827	08046KN	2000	99	0.2	0.20203	0.20215	2001.2	8.2	108-87-2	N/A
8. Methyl tert-butyl ether (MTBE)	209	02197LJ	2000	99.8	0.2	0.20041	0.20055	2001.4	8.1	1634-04-4	N/A
9. Propionitrile	349	1395468	20000	99	0.2	2.02030	2.02045	20001.5	81.0	107-12-0	N/A
10. Tetrahydrofuran	380	SHBH8330	10000	99.9	0.2	1.00105	1.00120	10001.5	40.1	109-99-9	20 ppm (590mg/m ³ /8h)
11. 1,2,3,4-Tetramethylbenzene	491	AP01	2000	93	0.2	0.21506	0.21520	2001.3	8.7	488-23-3	N/A

TC: 95319.D



- 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).

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

Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585Phone: 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	1-800-536-5053
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International	1-352-323-3500
		Date Prepared/Revised	January 1, 2023

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 shield
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:	CAS#:	LD50 Oral - Rat	OSHA PEL	% (optional)
Methanol	67-56-1	2,769 mg/kg	200 ppm	> 99

See Certified Weight Report For Other Analytes Present At Trace Quantities.
INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice
If inhaled
If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
Wash with soap and water. Consult a physician.
Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability
heat/sparks/open flame/hot surface. No smoking.
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
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
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

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 chemicals or 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.

Section XVI. Misc. 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 XV. REGULATORY INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol
ATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XIV. TRANSPORT INFORMATION

Dispose with normal Laboratory Solvent Waste.

Section XIII. DISPOSAL CONSIDERATIONS

LC50 15,400 mg/l - 96 h
EC50 24,500.00 mg/l - 48 h
EC100 10,000.00 mg/l - 24 h

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

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 XI. TOXICOLOGICAL INFORMATION

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 X. STABILITY AND REACTIVITY

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Solubility in Water			
COMPLETE			
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79



Certified Reference Material CRM



CERTIFIED WEIGHT REPORT

Part Number:
032922
Description:

Solvent(s): Lot#
Methanol EC592-US

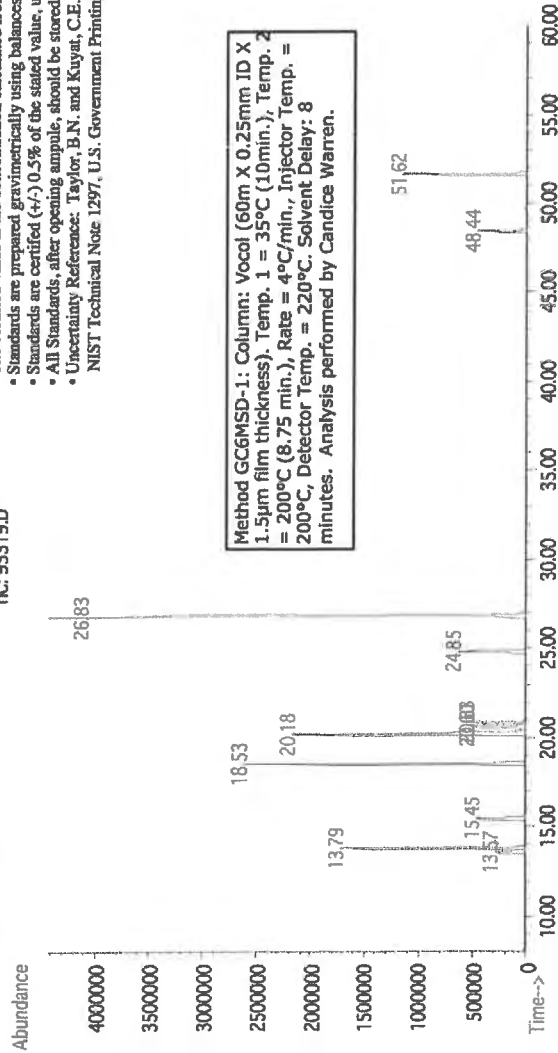
Revised Additions Mix
11 components
032925
Refrigerate (4 °C)
Varied
6UTB
NIST Test ID#:
5E-05 Balance Uncertainty
0.012 Flask Uncertainty

Weight(s) shown below were combined and diluted to (mL): 100.0

<i>Prashant Chauhan</i>		032922
Formulated By:	Prashant Chauhan	DATE
<i>Pedro L. Rentas</i>		032922
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty	Target Weight (µg)	Actual Weight (g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information	
										(Solvent Safety Info. On Attached pg.)	OSHA PEL (TWA) LD50
1. Acrylonitrile	7	4718CK	10000	99	0.2	1.01015	1.01030	10001.5	40.5	107-13-1	N/A orl-rat 78 mg/kg
2. 1-Chlorobutane	1072	MKCM5711	2000	99.99	0.2	0.20003	0.20020	2001.7	8.1	109-69-3	N/A orl-rat 2870mg/kg
3. Cyclohexane	1023	28930	2000	99	0.2	0.20203	0.20215	2001.2	8.2	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	0.20215	2001.2	8.2	109-20-3	500 ppm (2100mg/m3/8H) orl-rat 8470mg/kg
5. 1,4-Dioxane	373	03853KE	40000	99	0.2	4.04060	4.04100	40004.0	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	0.20213	2001.0	8.2	67-72-1	1 ppm (10mg/m3/8H)(skin) orl-gpg 4970mg/kg
7. Methylcyclohexane	1827	08046KN	2000	99	0.2	0.20203	0.20215	2001.2	8.2	108-87-2	N/A
8. Methyl tert-butyl ether (MTBE)	209	02197LJ	2000	99.8	0.2	0.20041	0.20055	2001.4	8.1	1634-04-4	N/A orl-rat 4g/kg
9. Propionitrile	349	1395468	20000	99	0.2	2.02030	2.02045	20001.5	81.0	107-12-0	N/A orl-rat 39mg/kg
10. Tetrahydrofuran	380	SHBH8330	10000	99.9	0.2	1.00105	1.00120	10001.5	40.1	109-99-9	20 ppm (590mg/m3/8H) orl-rat 1650mg/kg
11. 1,2,3,4-Tetramethylbenzene	491	AP01	2000	93	0.2	0.21506	0.21520	2001.3	8.7	488-23-3	N/A orl-rat 6408mg/kg

TC: 95319.D



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

* 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	1-800-536-5053
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International	1-352-323-3500
		Date Prepared/Revised	January 1, 2023

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225 H370 P271 P302,332	Highly Flammable Liquid and Vapor Cause damage to organs Use in ventilated area If on skin, wash with soap and water	
H301, 311, 331 H351 P280 P305,351,338	Toxic if swallowed, skin contact, inhaled Suspected of causing cancer Use gloves, eye protection/face shield If in eyes, remove contacts, rinse with water	
		

Signal Word: DANGER

Section III - Composition

Components:	CAS#:	LD50 Oral - Rat	OSHA PEL	% (optional)
Methanol	67-56-1	2,769 mg/kg	200 ppm	> 99

See Certified Weight Report For Other Analytes Present At Trace Quantities.
INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice
If inhaled
If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
If swallowed
If swallowed
In case of eye contact
Wash thoroughly with plenty of water for at least 15 minutes and consult a physician.
Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability
Suitable extinguishing media
Protective equipment for fire
Wear self contained breathing apparatus for fire fighting if necessary.
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
heat/sparks/open flame/hot surface. No smoking.

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

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 chemicals or 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.

Section XVI. Misc. 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 XV. REGULATORY INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol
ATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XIV. TRANSPORT INFORMATION

Dispose with normal Laboratory Solvent Waste.

Section XIII. DISPOSAL CONSIDERATIONS

LC50 15,400 mg/l - 96 h
EC50 24,500.00 mg/l - 48 h
EC100 10,000.00 mg/l - 24 h

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 6400 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 XI. TOXICOLOGICAL INFORMATION

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 X. STABILITY AND REACTIVITY

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Solubility in Water			
COMPLETE			
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79



Certified Reference Material CRM



CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 081524
Description: Acrolein

Solvent(s): Water
Lot# 121123Q

Expiration Date: 091524
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Weight(s) shown below were combined and diluted to (mL): 10.0

5E-05 Balance Uncertainty
 0.001 Flask Uncertainty

<i>Gabriel Holland</i>		081524
Formulated By:	Gabriel Holland	DATE
<i>Pedro L. Rentas</i>		081524
Reviewed By:	Pedro L. Rentas	DATE

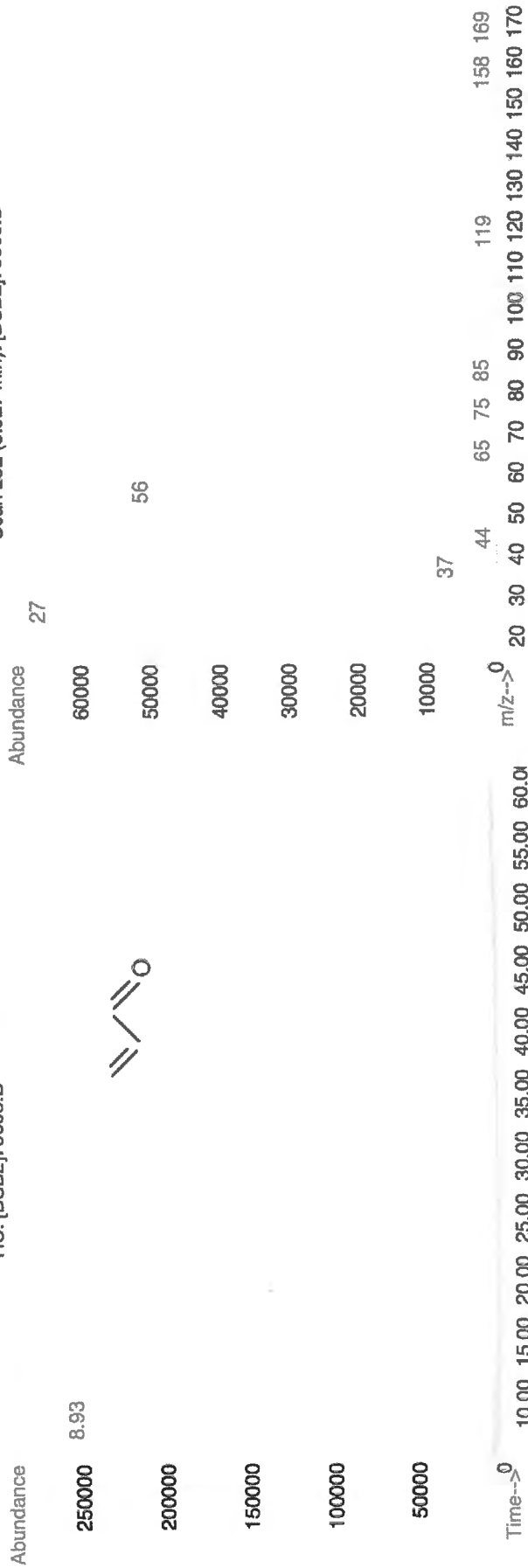
SDS Information									
Expanded									
Uncertainty (Solvent Safety Info. On Attached pg.)									
Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	OSHA PEL (TWA)

1. Acrolein 5 103755R02H 5000 97 0.5 0.05166 0.05170 5004.1 52.5 107-02-8 0.1 ppm or-rat 46mg/kg

Method: GC/MSD-1, Detector: Mass Selective Detector (Scan mode), Column: Vooel (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.

TIC: [BSB2]79005.D

Scan 232 (8.927 min): [BSB2]79005.D



- 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).
- All Standards, after opening ampule, should be stored with capse 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 WATER
Manufacturer's Name ABSOLUTE STANDARDS INC
Address 44 Rossotto Dr.
Hamden CT, 06514
Date Prepared/Revised January 1, 2024
Emergency Telephone USA & CANADA 1-800-535-5053
Emergency Telephone International 1-352-323-3500

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)
P271 Use in ventilated area
P302,332 If on skin, wash with soap and water
H315 Causes skin and eye irritation.
H335 Use gloves, eye protection/face shield
P305,351,338 If in eyes, remove contacts, rinse with water
Signal Word : DANGER



Section III - Composition

Components (Specific Chemical Identity; Common Name(s)) Water
CAS#: 7732-18-5
% (optional) > 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, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
If case of skin contact Wash with soap and water. Consult a physician.
If 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

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.
Hazardous Decomposition products
Carbon oxides

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.
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

Water
CAS#: 7732-18-5
TWA: 500 ppm
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
100°C
Specific Gravity (H2O = 1)
1
Melting Point

Absolute Standards Inc.

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Phone: 203-281-2917
FAX: 203-281-2922

Vapor Density (AIR = 1)		NA	Evaporation rate (Butyl Acetate = 1)	0°C
Solubility in Water		Completely miscible		

Appearance and Odor CLEAR, COLORLESS LIQUID WITH SLIGHT CHEMICAL ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions NA
Conditions to avoid NA
Materials to avoid NA
Hazardous decomposition products - No data available

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - Rat NA
LC50 Inhalation - Rat NA
LD50 Dermal - Guinea pig NA
Causes skin irritation.
Eye irritation

Section XII. ECOLOGICAL INFORMATION

LC50 NA
EC50 NA

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US) Not dangerous goods
Proper shipping name: Water
IATA Not dangerous goods
Proper shipping name: Water

Section XV. REGULATORY INFORMATION

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 Material Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.



Certified Reference Material CRM



CERTIFIED WEIGHT REPORT

Part Number: **91980**
 Lot Number: **081524**
 Description: **Acrolein**

Solvent(s): **Water**
 Lot# **121123Q**

Expiration Date: **091524**
 Recommended Storage: **Refrigerate (4 °C)**
 Nominal Concentration (µg/mL): **5000**
 NIST Test ID#: **6UTB**

Weight(s) shown below were combined and diluted to (mL): **10.0**

5E-05 Balance Uncertainty
 0.001 Flask Uncertainty

Formulated By: *Gabriel Holland* 081524 DATE
 Reviewed By: *Pedro L. Rentas* 081524 DATE

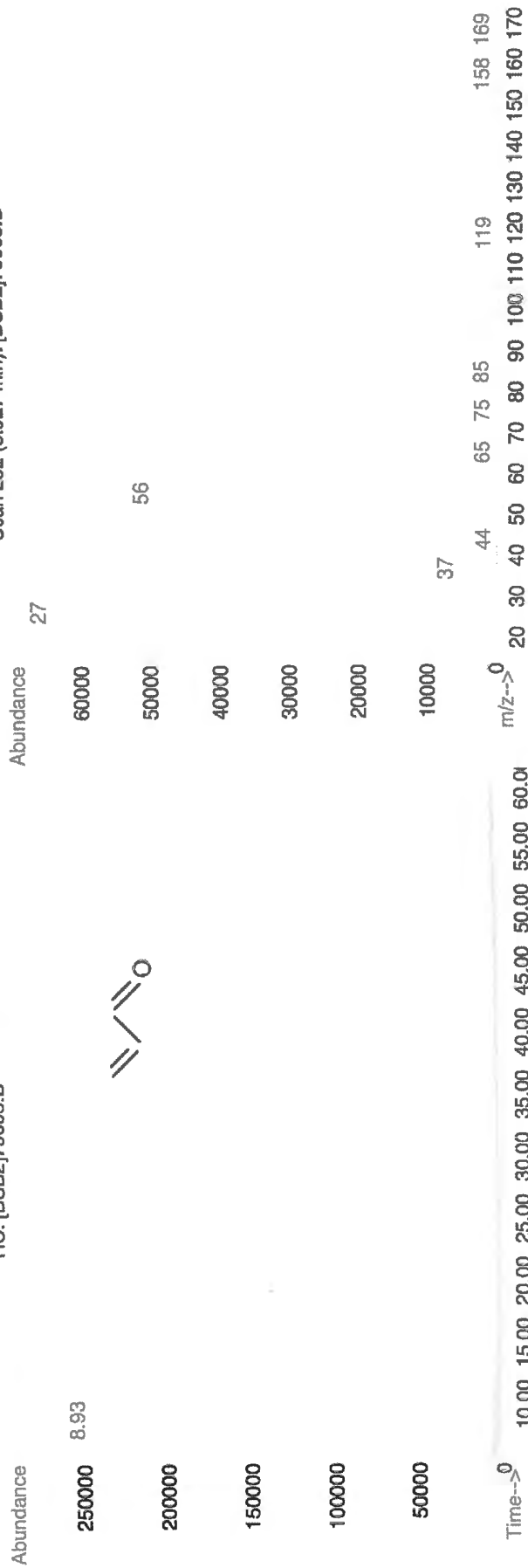
SDS Information									
Expanded Solvent Safety Info. On Attached pg.)									
Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Uncertainty (+/-) (µg/mL)
1. Acrolein	5	103755R02H	5000	97	0.5	0.05166	0.05170	5004.1	52.5

1. Acrolein 5 103755R02H 5000 97 0.5 0.05166 0.05170 5004.1 52.5 107-02-8 0.1 ppm or-rat 46mg/kg

Method: GC6MSD-1, Detector: Mass Selective Detector (Scan mode), Column: Vooel (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.

TIC: [BSB2]79005.D

Scan 232 (8.927 min): [BSB2]79005.D



- 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 capse 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.

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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 WATER
Manufacturer's Name ABSOLUTE STANDARDS INC
Address 44 Rossotto Dr.
Hamden CT, 06514
Date Prepared/Revised January 1, 2024
Emergency Telephone USA & CANADA 1-800-535-5053
Emergency Telephone International 1-352-323-3500

Section II - Hazards Identification

P271
P302,332
Signal Word: DANGER
GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)
H315
P280
P305,351,338
Causes skin and eye irritation.
Use gloves, eye protection/face shield
If on skin, wash with soap and water
If in eyes, remove contacts, rinse with water



Section III - Composition

Components (Specific Chemical Identity; Common Name(s)) Water
CAS#: 7732-18-5
% (optional) > 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

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.
Hazardous Decomposition products
Carbon oxides

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.
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

Water
CAS#: 7732-18-5
TWA: 500 ppm
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	100°C	Specific Gravity (H ₂ O = 1)	1
Vapor Pressure (mm Hg)		Melting Point	

Absolute Standards Inc.

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Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Vapor Density (AIR = 1)		NA	Evaporation rate (Butyl Acetate = 1)	0°C
Solubility in Water		Completely miscible		
Appearance and Odor		CLEAR, COLORLESS LIQUID WITH SLIGHT CHEMICAL ODOR.		

Section X. STABILITY AND REACTIVITY

Chemical stability
Stable under recommended storage conditions.

Possibility of hazardous reactions
NA

Conditions to avoid
NA

Materials to avoid
NA

Hazardous decomposition products - No data available

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - Rat
NA

LC50 Inhalation - Rat
NA

LD50 Dermal - Guinea pig
NA

Causes skin irritation.

Eye irritation

Section XII. ECOLOGICAL INFORMATION

LC50
NA

EC50
NA

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
Not dangerous goods
Proper shipping name: Water

IATA
Not dangerous goods
Proper shipping name: Water

Section XV. REGULATORY INFORMATION

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 Material Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.



Certified Reference Material CRM



CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 081524
Description: Acrolein

Solvent(s): Water
Lot# 121123Q

Expiration Date: 091524
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Weight(s) shown below were combined and diluted to (mL): 10.0

5E-05 Balance Uncertainty
 0.001 Flask Uncertainty

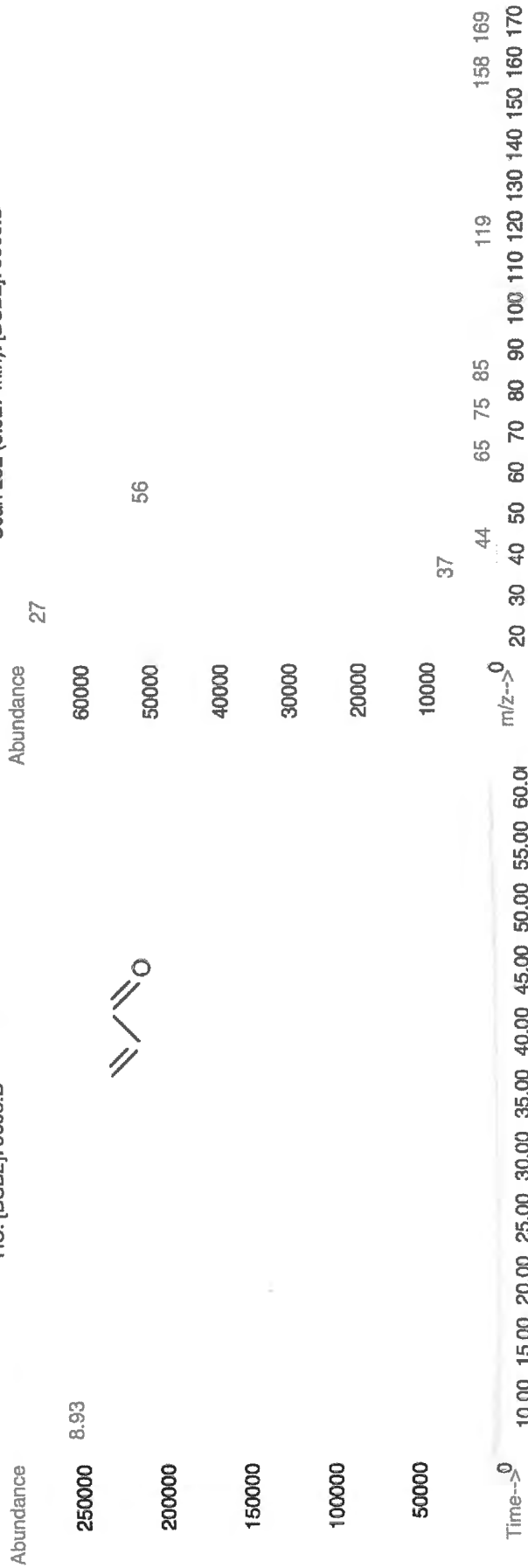
<i>Gabriel Holland</i>		081524
Formulated By:	Gabriel Holland	DATE
<i>Pedro L. Rentas</i>		081524
Reviewed By:	Pedro L. Rentas	DATE

SDS Information									
Expanded (Solvent Safety Info. On Attached pg.)									
Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Uncertainty (+/-) (µg/mL)
1. Acrolein	5	103755R02H	5000	97	0.5	0.05166	0.05170	5004.1	52.5
								107-02-8	0.1 ppm
									or-rat 46mg/kg

Method: GC6MSD-1, Detector: Mass Selective Detector (Scan mode), Column: Vooel (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.

TIC: [BSB2]79005.D

Scan 232 (8.927 min): [BSB2]79005.D



- 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).
- All Standards, after opening ampule, should be stored with capse 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 WATER
Manufacturer's Name ABSOLUTE STANDARDS INC
Address 44 Rossotto Dr.
Hamden CT, 06514
Date Prepared/Revised January 1, 2024
Emergency Telephone USA & CANADA 1-800-535-5053
Emergency Telephone International 1-352-323-3500

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)
P271 Use in ventilated area
P302,332 If on skin, wash with soap and water
H315 Causes skin and eye irritation.
H335 Use gloves, eye protection/face shield
P305,351,338 If in eyes, remove contacts, rinse with water
Signal Word: DANGER



Section III - Composition

Components (Specific Chemical Identity; Common Name(s)) Water
CAS#: 7732-18-5
% (optional) > 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, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
If case of skin contact Wash with soap and water. Consult a physician.
If 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

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.
Hazardous Decomposition products
Carbon oxides

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.
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

Water
CAS#: 7732-18-5
TWA: 500 ppm
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	100°C	Specific Gravity (H ₂ O = 1)	1
Vapor Pressure (mm Hg)		Melting Point	

Absolute Standards Inc.

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Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Vapor Density (AIR = 1)		NA	Evaporation rate (Butyl Acetate = 1)	0°C
Solubility in Water		Completely miscible		

Appearance and Odor CLEAR, COLORLESS LIQUID WITH SLIGHT CHEMICAL ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions NA
Conditions to avoid NA
Materials to avoid NA
Hazardous decomposition products - No data available

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - Rat NA
LC50 Inhalation - Rat NA
LD50 Dermal - Guinea pig NA
Causes skin irritation.
Eye irritation

Section XII. ECOLOGICAL INFORMATION

LC50 NA
EC50 NA

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
Not dangerous goods
Proper shipping name: Water
IATA
Not dangerous goods
Proper shipping name: Water

Section XV. REGULATORY INFORMATION

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 Material Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.



Certified Reference Material CRM



CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 121321
Description: 2-Chloroethyl vinyl ether

Solvent(s): Lot#
Methanol EA899-US

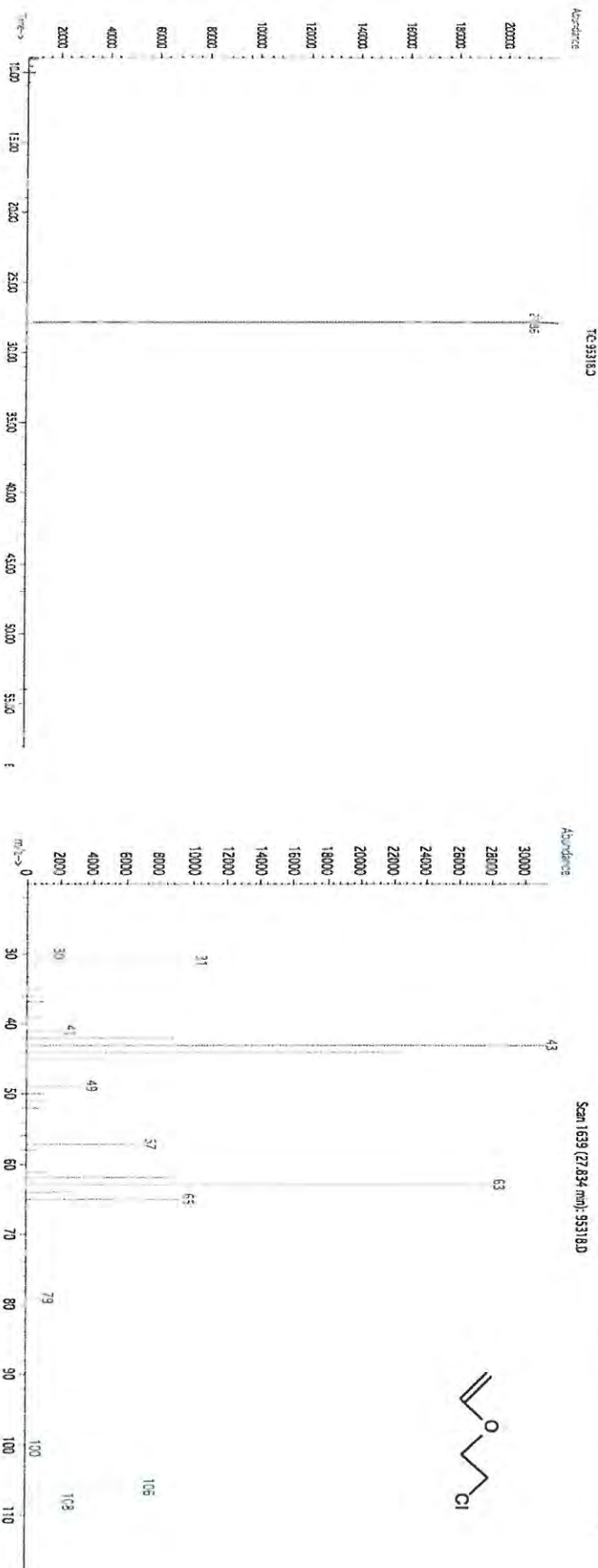
Expiration Date: 121324
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB
Weight(s) shown below were combined and diluted to (mL): 30.0
SE-05 Balance Uncertainty
0.0003 Flask Uncertainty

Formulated By:	Benson Chan	121321
Reviewed By:	Pedro L. Pintas	121321
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)	(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 or rat 250mg/kg

Method: GC/MSD-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 Kuyah, 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).



Certified Reference Material CRM



CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 121321
Description: 2-Chloroethyl vinyl ether

Solvent(s): Lot#
Methanol EA899-US

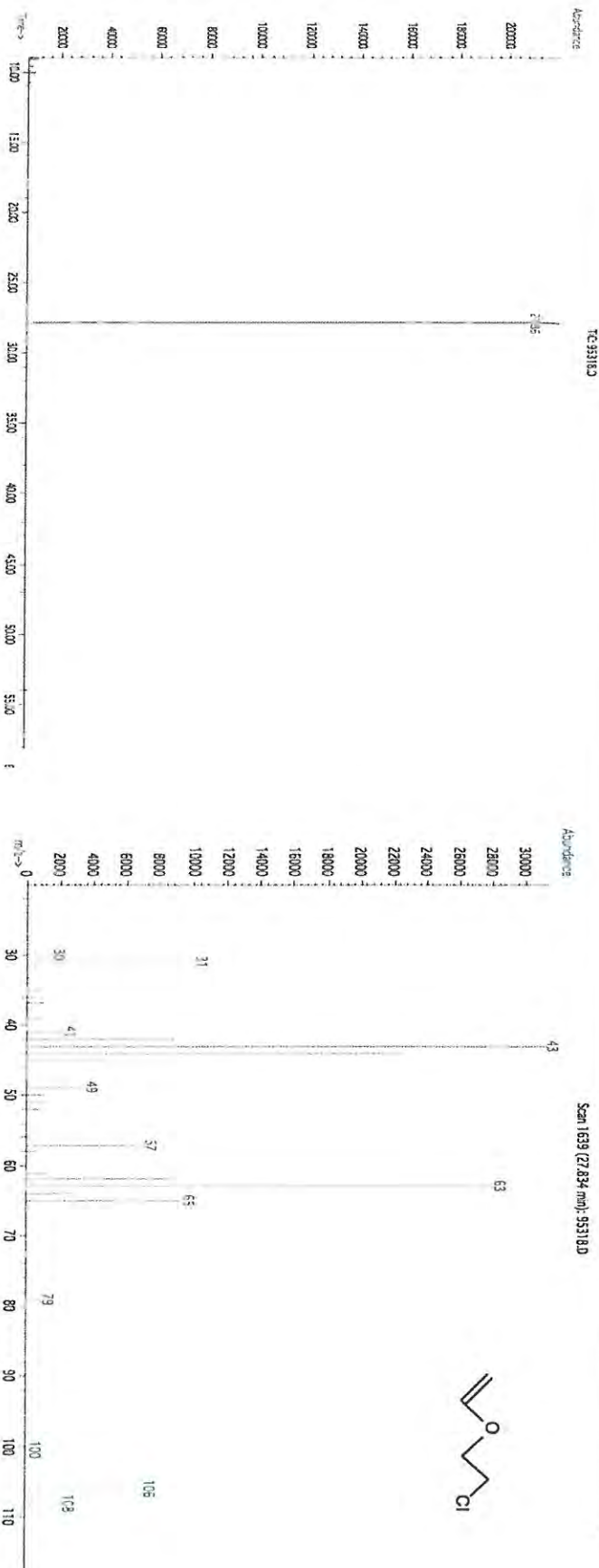
Expiration Date: 121324
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB
Weight(s) shown below were combined and diluted to (mL): 30.0
5E-05 Balance Uncertainty
0.0003 Flask Uncertainty

Formulated By:	Benson Chan	121321
Reviewed By:	Pedro L. Rentes	121321
		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)	(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 or at 250mg/kg

Method: GC/MSD-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.
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110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis



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. : 30470 **Lot No.:** A0181905
Description : tert-Butanol Standard
tert-Butanol Std 50,000µg/mL, P&T Methanol, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : February 28, 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	tert-Butanol (TBA) CAS # 75-65-0 Purity 99% (Lot SHBM7694)	50,126.0 µg/mL	<table><tr><td>+/-</td><td>293.4988</td><td>µg/mL</td><td>Gravimetric</td></tr><tr><td>+/-</td><td>1,073.7654</td><td>µg/mL</td><td>Unstressed</td></tr><tr><td>+/-</td><td>1,104.9494</td><td>µg/mL</td><td>Stressed</td></tr></table>	+/-	293.4988	µg/mL	Gravimetric	+/-	1,073.7654	µg/mL	Unstressed	+/-	1,104.9494	µg/mL	Stressed
+/-	293.4988	µg/mL	Gravimetric												
+/-	1,073.7654	µg/mL	Unstressed												
+/-	1,104.9494	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)

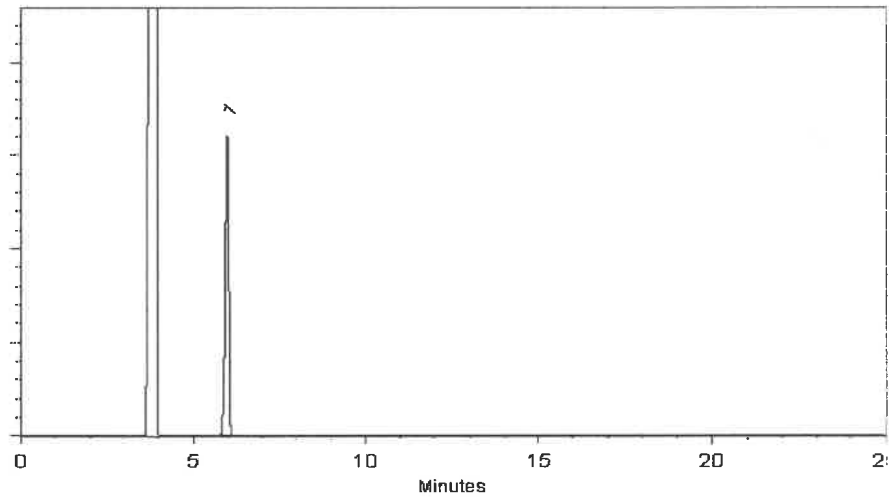
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

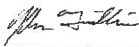
Inj. Temp:
200°C

Det. Temp:
250°C

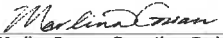
Det. Type:
FID



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.


John Friedline - Operations Technician I

Date Mixed: 16-Feb-2022 **Balance:** B442140311


Marlene Cowan - Operations Tech I

Date Passed: 21-Feb-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:

$$U_{combined\ stressed} = k \sqrt{U_{gravimetric}^2 + U_{homogeneity}^2 + U_{storage\ stability}^2 + U_{shipping\ stability}^2}$$

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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chromatographic plus



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.:** A0191805

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 : November 30, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1-Bromo-4-fluorobenzene (BFB)	460-00-4	184975	99%	2,483.9 µg/mL	+/- 139.5488

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

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:

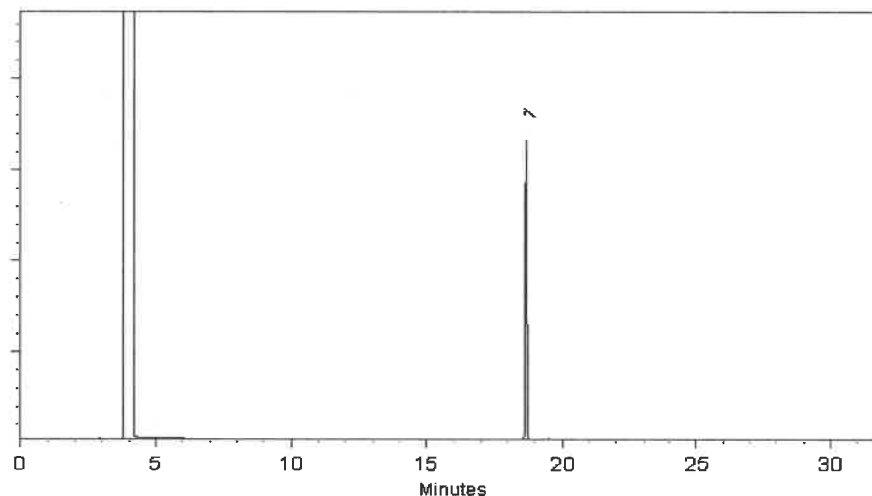
FID

Split Vent:

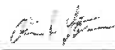
40 ml/min

Inj. Vol

1µl



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.


Alicia Leathers - Operation Technician I

Date Mixed: 17-Nov-2022

Balance Serial # B251644995


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 21-Nov-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 expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls 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 ampuls. 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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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.:** A0193071

Description : Bromochloromethane Standard
Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2027 **Storage:** 0°C or colder
Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Bromochloromethane	74-97-5	00008541	99%	2,018.0 µg/mL	+/- 113.3890

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

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:

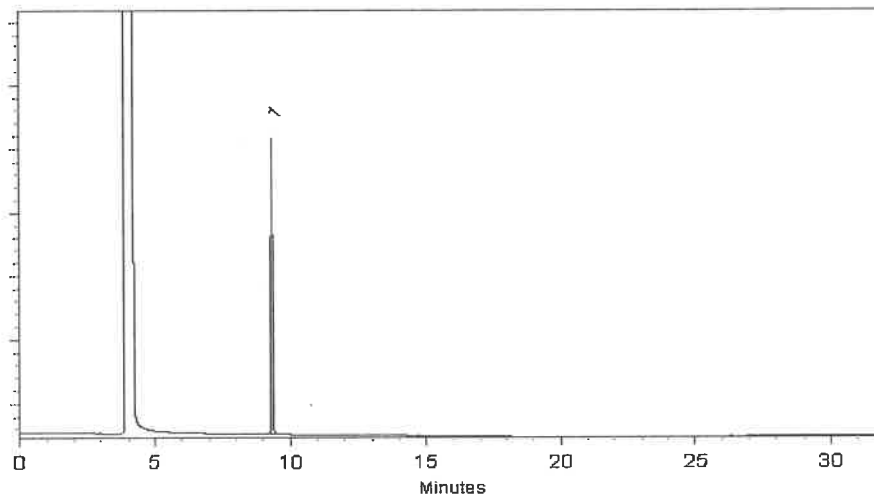
FID

Split Vent:

40 ml/min

Inj. Vol

1µl



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: 29-Dec-2022 Balance Serial # B707717271


Christie Mills - Operations Tech II - ARM QC

Date Passed: 03-Jan-2023

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 expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls 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 ampuls. 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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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.:** A0193071

Description : Bromochloromethane Standard
Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Bromochloromethane	74-97-5	00008541	99%	2,018.0 µg/mL	+/- 113.3890

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

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:

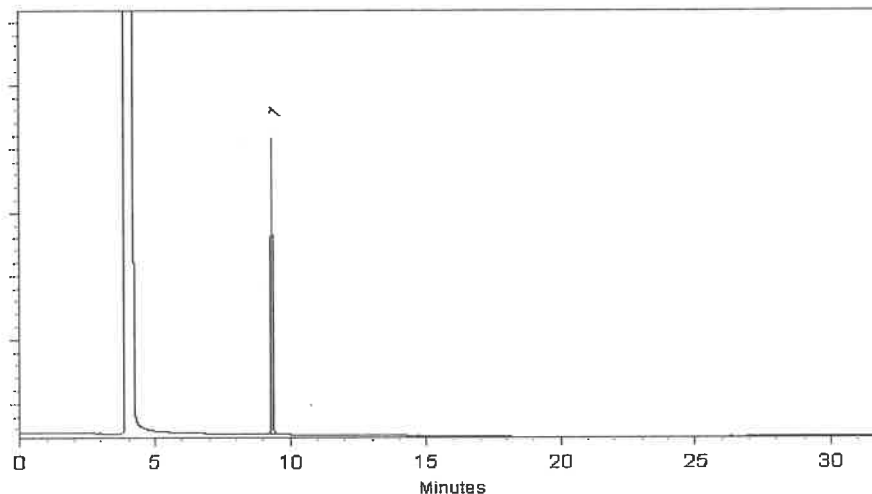
FID

Split Vent:

40 ml/min

Inj. Vol

1µl



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Tom Suckar - Mix Technician

Date Mixed: 29-Dec-2022 Balance Serial # B707717271


Christie Mills - Operations Tech II - ARM QC

Date Passed: 03-Jan-2023

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.
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- 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 expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls 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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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.:** A0194279

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 : October 31, 2029 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8	00012554	99%	2,001.5 µg/mL	+/- 112.7231
2	Chloromethane (methyl chloride)	74-87-3	SHBK6571	99%	2,001.2 µg/mL	+/- 112.5863
3	Vinyl chloride	75-01-4	00015559	99%	2,001.4 µg/mL	+/- 112.6561
4	Bromomethane (methyl bromide)	74-83-9	101604	99%	2,006.4 µg/mL	+/- 112.8262
5	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,001.9 µg/mL	+/- 112.5897
6	Trichlorofluoromethane (CFC-11)	75-69-4	MKCL8411	99%	2,000.8 µg/mL	+/- 112.6473

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

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:

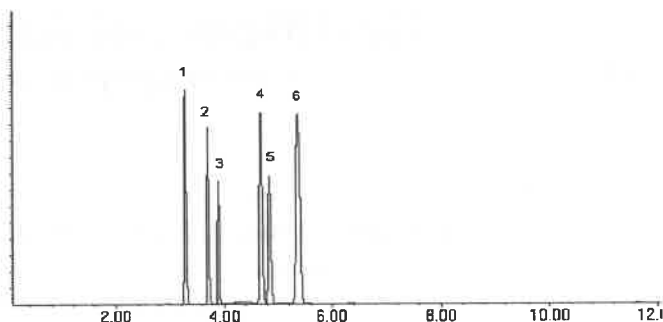
MSD

Split Vent:

Split ratio 10:1

Inj. Vol

1µl



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Tom Suckar - Mix Technician

Date Mixed: 03-Feb-2023

Balance Serial # B707717271


Christie Mills - Operations Tech II - ARM QC

Date Passed: 07-Feb-2023

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 expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls 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 ampuls. 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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Catalog No. : 30042 **Lot No.:** A0194279

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 : October 31, 2029 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8	00012554	99%	2,001.5 µg/mL	+/- 112.7231
2	Chloromethane (methyl chloride)	74-87-3	SHBK6571	99%	2,001.2 µg/mL	+/- 112.5863
3	Vinyl chloride	75-01-4	00015559	99%	2,001.4 µg/mL	+/- 112.6561
4	Bromomethane (methyl bromide)	74-83-9	101604	99%	2,006.4 µg/mL	+/- 112.8262
5	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,001.9 µg/mL	+/- 112.5897
6	Trichlorofluoromethane (CFC-11)	75-69-4	MKCL8411	99%	2,000.8 µg/mL	+/- 112.6473

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

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:

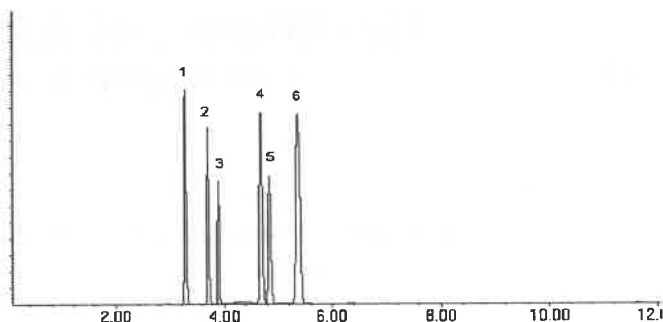
MSD

Split Vent:

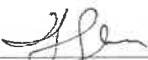
Split ratio 10:1

Inj. Vol

1µl



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: 03-Feb-2023

Balance Serial # B707717271


Christie Mills - Operations Tech II - ARM QC

Date Passed: 07-Feb-2023

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 expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls 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 ampuls. 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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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

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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.:** A0196115
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 : September 30, 2024 **Storage:** -20°C or colder
Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Methyl acetate	79-20-9	SHBP3100	99%	2,013.7 µg/mL	+/- 69.6015
2	Vinyl acetate	108-05-4	RD220630	99%	2,020.0 µg/mL	+/- 69.8205
3	Ethyl acetate	141-78-6	SHBP9289	99%	2,019.3 µg/mL	+/- 69.7974
4	Isopropyl acetate	108-21-4	BCCG7069	99%	2,014.0 µg/mL	+/- 69.6131
5	Propyl acetate	109-60-4	TFFKL	99%	2,014.7 µg/mL	+/- 69.6361
6	Butyl acetate	123-86-4	SHBP6314	99%	2,014.0 µg/mL	+/- 69.6131
7	Amyl acetate	628-63-7	41325/1	97%	2,016.3 µg/mL	+/- 69.6928

* Expanded Uncertainty displayed in same units as Grav. Conc.

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.

Quality Confirmation Test

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:

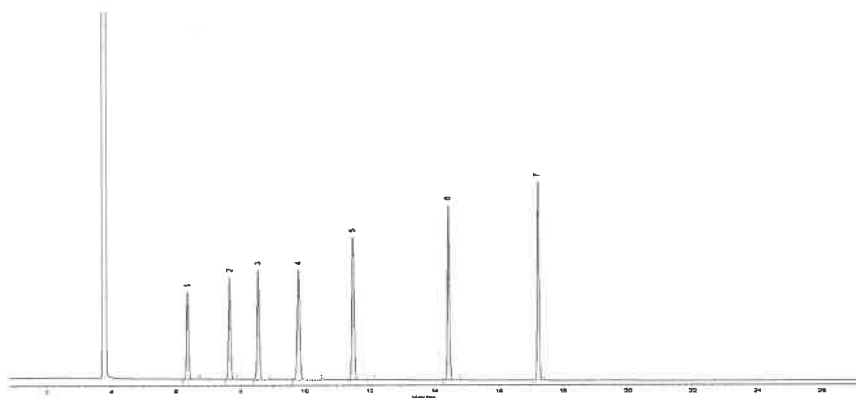
FID

Split Vent:

40 ml/min

Inj. Vol

1µl



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Bethany Lowery
Bethany Lowery - Operations Tech I

Date Mixed: 21-Mar-2023

Balance Serial # B251644995

John Lidgett
John Lidgett - AD Chemist

Date Passed: 29-Mar-2023

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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$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls 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 ampuls. 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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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.:** A0196115
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 : September 30, 2024 **Storage:** -20°C or colder
Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Methyl acetate	79-20-9	SHBP3100	99%	2,013.7 µg/mL	+/- 69.6015
2	Vinyl acetate	108-05-4	RD220630	99%	2,020.0 µg/mL	+/- 69.8205
3	Ethyl acetate	141-78-6	SHBP9289	99%	2,019.3 µg/mL	+/- 69.7974
4	Isopropyl acetate	108-21-4	BCCG7069	99%	2,014.0 µg/mL	+/- 69.6131
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6	Butyl acetate	123-86-4	SHBP6314	99%	2,014.0 µg/mL	+/- 69.6131
7	Amyl acetate	628-63-7	41325/1	97%	2,016.3 µg/mL	+/- 69.6928

* Expanded Uncertainty displayed in same units as Grav. Conc.

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.

Quality Confirmation Test

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:

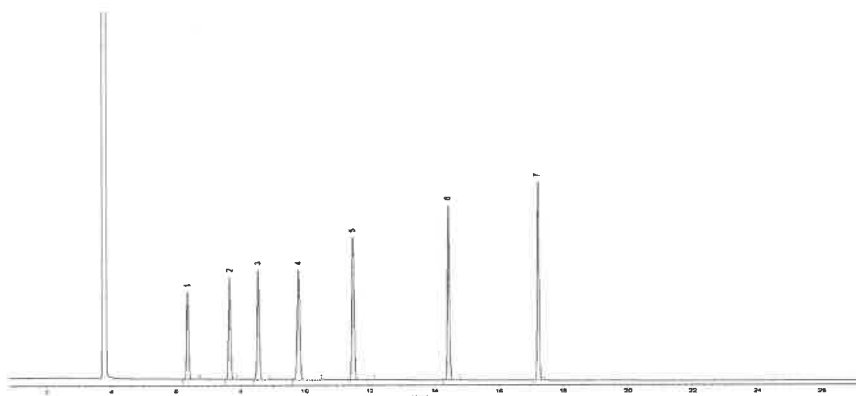
FID

Split Vent:

40 ml/min

Inj. Vol

1µl

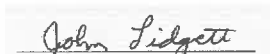


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Bethany Lowery - Operations Tech I

Date Mixed: 21-Mar-2023

Balance Serial # B251644995


John Lidgett - AD Chemist

Date Passed: 29-Mar-2023

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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k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls 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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gravimetric



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.:** A0196865

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 : April 30, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2-Dichloroethane-d4	17060-07-0	PR-32845	99%	25,036.0 µg/mL	+/- 1,417.9179
2	1-Bromo-4-fluorobenzene (BFB)	460-00-4	184975	99%	25,132.0 µg/mL	+/- 1,423.3549
3	Dibromofluoromethane	1868-53-7	022013	99%	25,040.0 µg/mL	+/- 1,418.1445
4	Toluene-d8	2037-26-5	PR-33397	99%	25,028.0 µg/mL	+/- 1,417.4648

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Russ Bookhamer - Operations Technician I

Date Mixed: 11-Apr-2023

Balance: 1127510105

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.
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Certified Uncertainty Value Notes:

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Manufacturing Notes:

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Handling Notes:

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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.:** A0200785

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 : November 30, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBP8774	99%	5,018.5 µg/mL	+/- 173.4162
2	2-Butanone (MEK)	78-93-3	SHBL5543	99%	5,016.0 µg/mL	+/- 173.3298
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP4724	99%	5,010.7 µg/mL	+/- 173.1455
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,015.0 µg/mL	+/- 173.2952

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

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:

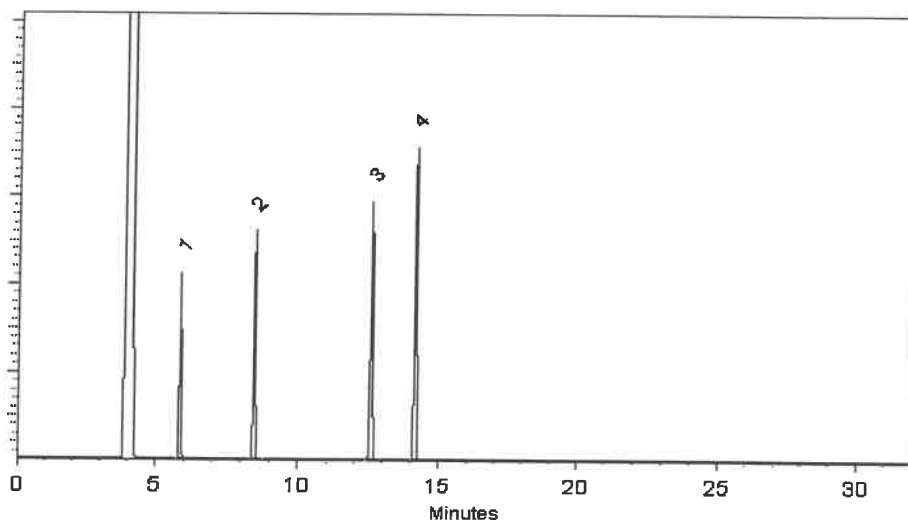
FID

Split Vent:

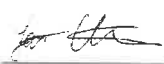
40 ml/min

Inj. Vol

1µl



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Laith Clemente - Operations Technician I

Date Mixed: 09-Aug-2023

Balance Serial # B707717271


Marlina Cowan - Operations Tech II ARM QC

Date Passed: 16-Aug-2023

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 expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls 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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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.:** A0200785

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 : November 30, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBP8774	99%	5,018.5 µg/mL	+/- 173.4162
2	2-Butanone (MEK)	78-93-3	SHBL5543	99%	5,016.0 µg/mL	+/- 173.3298
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP4724	99%	5,010.7 µg/mL	+/- 173.1455
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,015.0 µg/mL	+/- 173.2952

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

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:

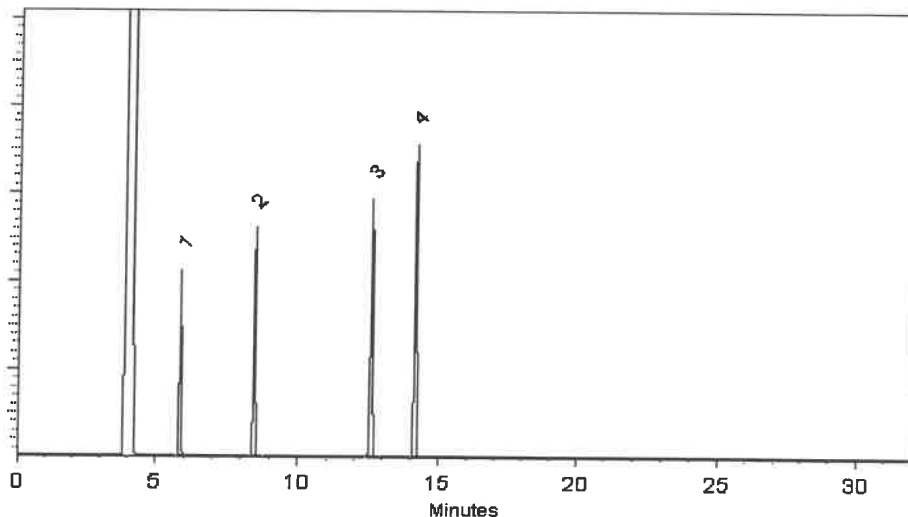
FID

Split Vent:

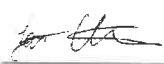
40 ml/min

Inj. Vol

1µl



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Laith Clemente - Operations Technician I

Date Mixed: 09-Aug-2023

Balance Serial # B707717271


Marlina Cowan - Operations Tech II ARM QC

Date Passed: 16-Aug-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

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- 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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- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



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.:** A0200785

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 : November 30, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBP8774	99%	5,018.5 µg/mL	+/- 173.4162
2	2-Butanone (MEK)	78-93-3	SHBL5543	99%	5,016.0 µg/mL	+/- 173.3298
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP4724	99%	5,010.7 µg/mL	+/- 173.1455
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,015.0 µg/mL	+/- 173.2952

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

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:

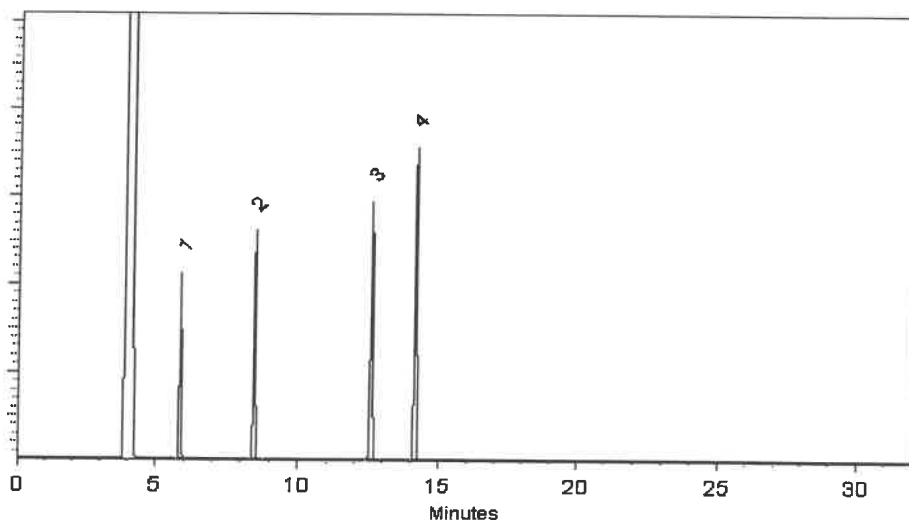
FID

Split Vent:

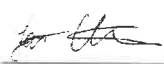
40 ml/min

Inj. Vol

1µl



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.


Laith Clemente - Operations Technician I

Date Mixed: 09-Aug-2023

Balance Serial # B707717271


Marlina Cowan - Operations Tech II ARM QC

Date Passed: 16-Aug-2023

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 expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls 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 ampuls. 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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12
CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic



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.:** A0205179
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, 2025 **Storage:** -20°C or colder
Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Vinyl acetate	108-05-4	RP231030CTH	98%	8,075.2 µg/mL	+/- 279.1159

* Expanded Uncertainty displayed in same units as Grav. Conc.

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.

Quality Confirmation Test

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:

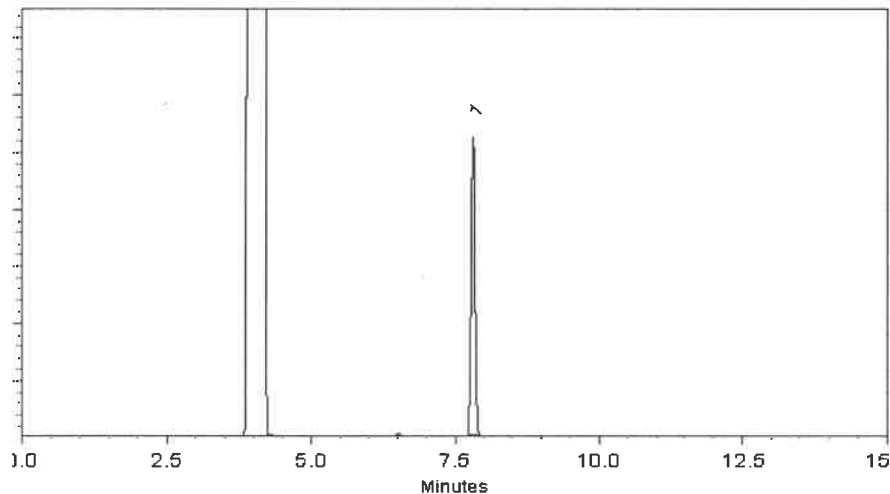
FID

Split Vent:

40 ml/min

Inj. Vol

1µl



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.


Daniel Wasson - Operations Tech I

Date Mixed: 06-Dec-2023 Balance Serial # 1127510105


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Dec-2023

APPROVED
By: Jennifer Pollino (Date: 11-Dec-2023)

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 expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls 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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12
CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic



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.:** A0205179
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, 2025 **Storage:** -20°C or colder
Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Vinyl acetate	108-05-4	RP231030CTH	98%	8,075.2 µg/mL	+/- 279.1159

* Expanded Uncertainty displayed in same units as Grav. Conc.

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.

Quality Confirmation Test

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:

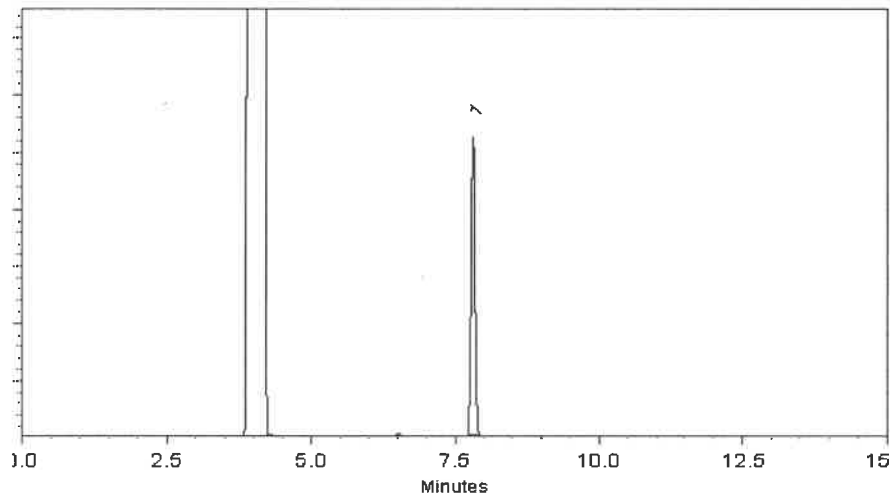
FID

Split Vent:

40 ml/min

Inj. Vol

1µl



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Daniel Wasson - Operations Tech I

Date Mixed: 06-Dec-2023 Balance Serial # 1127510105


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Dec-2023

APPROVED
By: Jennifer Pollino (Date: 11-Dec-2023)

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.

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis
gravimetric



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.:	A0210184
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:	April 30, 2027	Storage:	10°C or colder
		Ship:	Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	25,212.0 µg/mL	+/- 1,427.8857
2	1,4-Difluorobenzene	540-36-3	MKCS8657	99%	25,220.0 µg/mL	+/- 1,428.3388
3	Chlorobenzene-d5	3114-55-4	PR-31132	99%	25,116.0 µg/mL	+/- 1,422.4487
4	Pentafluorobenzene	363-72-4	MKCR9383	99%	25,180.0 µg/mL	+/- 1,426.0734

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

John Friedline

John Friedline - Operations Technician I

Date Mixed: 11-Apr-2024

Balance: 1127510105



Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis



Material No.: 9077-02
Batch No.: 22L0562016
Manufactured Date: 2022-10-26
Expiration Date: 2025-10-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH ₃ OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
Titration Acid (µeq/g)	≤ 0.3	0.2
Titration Base (µeq/g)	≤ 0.10	0.03
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis - Below EPA 8260B CRQL	Conforms	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: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Jamie Ethier
Vice President Global Quality

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis



Material No.: 9077-02
Batch No.: 22L0562016
Manufactured Date: 2022-10-26
Expiration Date: 2025-10-25
Revision No.: 0

Certificate of Analysis

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Assay (CH ₃ OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
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Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis - Below EPA 8260B CRQL	Conforms	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: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Jamie Ethier
Vice President Global Quality

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis



Material No.: 9077-02
Batch No.: 22L0562016
Manufactured Date: 2022-10-26
Expiration Date: 2025-10-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH ₃ OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
Titration Acid (μeq/g)	≤ 0.3	0.2
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Volatile Organic Trace Analysis - Below EPA 8260B CRQL	Conforms	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: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Jamie Ethier
Vice President Global Quality

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis



Material No.: 9077-02
Batch No.: 22L0562016
Manufactured Date: 2022-10-26
Expiration Date: 2025-10-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
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Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
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Titration Base (μeq/g)	≤ 0.10	0.03
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Volatile Organic Trace Analysis - Below EPA 8260B CRQL	Conforms	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: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Jamie Ethier
Vice President Global Quality

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis



Material No.: 9077-02
Batch No.: 22L0562016
Manufactured Date: 2022-10-26
Expiration Date: 2025-10-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH ₃ OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
Titration Acid (μeq/g)	≤ 0.3	0.2
Titration Base (μeq/g)	≤ 0.10	0.03
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis - Below EPA 8260B CRQL	Conforms	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: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Jamie Ethier
Vice President Global Quality



SHIPPING DOCUMENTS

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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

ANALYSIS

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) ☐ NYS ASP A ☒ NYS ASP B+ Raw Data ☐ Other☒ EDD FORMAT MSDEL Equ's EXCEL

TCLVOA-10 9260

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS	
			COMP	GRAB	DATE	TIME		A/E	1	2	3	4	5	6	7	8	9	Specify Preservatives A-HCl D-NaOH B-HNO3 E-ICE C-H2SO4 F-OTHER
1.	1048-MW-01 (23)	GW	X	X	8/20/24	0809	2	X										
2.	1049-MW-02 (23.8)	GW	X	X	8/20/24	0814	6	X										Also do ms/msd
3.	1050-MW-03A (17)	GW	X	X	8/20/24	0820	2	X										
4.	1051-MW-11 (15)	GW	X	X	8/20/24	0825	2	X										
5.	1052-MW-17A (15.5)	GW	X	X	8/20/24	0824	2	X										
6.	1053-FB0820 24	AQ	X	X	8/20/24	0827	2	X										
7.	1054-TB082024	AQ	X	X	8/20/24	—	2	X										
8.																		
9.																		
10.																		

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER: 1. [Signature]	DATE/TIME: 8-20-24/930	RECEIVED BY: 1. FED-EX	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.76 °C
RELINQUISHED BY SAMPLER: 2.	DATE/TIME:	RECEIVED BY: 2. [Signature]	Comments:
RELINQUISHED BY SAMPLER: 3.	DATE/TIME:	RECEIVED BY: 3.	

Page 1 of 1

CLIENT: ☐ Hand Delivered ☐ Other
CHEMTECH: ☐ Picked Up ☐ Field SamplingShipment Complete
☐ YES ☐ NO

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (L-A-B)	L2219
Maine	2024021
Maryland	296
New Hampshire	255423
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

LOGIN REPORT/SAMPLE TRANSFER

Order ID : P3716	DAYE01	Order Date : 8/22/2024 12:39:00 PM	Project Mgr : Yazmeen
Client Name : Day Environmental, Inc.		Project Name : NYSDEC Andrews St Site #	Report Type : NYS ASP B
Client Contact : Jeff Danzinger		Receive DateTime : 8/22/2024 12:03:00 PM	EDD Type : Equis_EQNYDEC/Excel
Invoice Name : Day Environmental, Inc.		Purchase Order :	Hard Copy Date :
Invoice Contact : Jeff Danzinger			Date Signoff : 8/22/2024 1:35:00 PM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
P3716-01	1048-MW-01(23)	Water	08/20/2024	08:08	VOC-TCLVOA-10		8260-Low	5 Bus. Days	
P3716-02	1049-MW-02(23.8)	Water	08/20/2024	08:14	VOC-TCLVOA-10		8260-Low	5 Bus. Days	
P3716-03	P3716-02MS	Water	08/20/2024	08:14	VOC-TCLVOA-10		8260-Low	5 Bus. Days	
P3716-04	P3716-02MSD	Water	08/20/2024	08:14	VOC-TCLVOA-10		8260-Low	5 Bus. Days	
P3716-05	1050-MW-03A(17)	Water	08/20/2024	08:20	VOC-TCLVOA-10		8260-Low	5 Bus. Days	
P3716-06	1051-MW-11(15)	Water	08/20/2024	08:05	VOC-TCLVOA-10		8260-Low	5 Bus. Days	
P3716-07	1052-MW-17A(15.5)	Water	08/20/2024	08:24	VOC-TCLVOA-10		8260-Low	5 Bus. Days	
P3716-08	1053-FB082024	Water	08/20/2024	08:27					

LOGIN REPORT/SAMPLE TRANSFER

Order ID : P3716	DAYE01	Order Date : 8/22/2024 12:39:00 PM	Project Mgr : Yazmeen
Client Name : Day Environmental, Inc.		Project Name : NYSDEC Andrews St Site /	Report Type : NYS ASP B
Client Contact : Jeff Danzinger		Receive DateTime : 8/22/2024 12:03:00 PM	EDD Type : Equis_EQNYDEC/Excel
Invoice Name : Day Environmental, Inc.		Purchase Order :	Hard Copy Date :
Invoice Contact : Jeff Danzinger			Date Signoff : 8/22/2024 1:35:00 PM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
P3716-09	1054-TB082024	Water	08/20/2024	00:00	VOC-TCLVOA-10		8260-Low	5 Bus. Days	
					VOC-TCLVOA-10		8260-Low	5 Bus. Days	

Relinquished By :

Date / Time :


8/22/24 1500

Received By :

Date / Time :


8-22 1500

Storage Area : VOA Refridgerator Room

Data Usability Summary Report

Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

Andrew St.
Alliance Technical Group SDG#P3716
November 12, 2024
Sampling date: 8/20/2024

Prepared by:
Jodi Zimmerman
Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

Andrew St.
SDG# P3716

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package for Day Environmental, project located at Andrew St., Alliance Technical Group, SDG#P3716 submitted to Vali-Data of WNY, LLC on September 23, 2024. This DUSR has been prepared in general compliance with USEPA National Functional Guidelines and NYSDEC Analytical Services Protocols. The laboratory performed the analysis using the USEPA method Volatile Organics (8260C).

ID	Sample ID	Laboratory ID
1	1048-MW-01(23)	P3716-01
2	1049-MW-02(23.8)	P3716-02
5	1060-MW-03A(17)	P3716-05
6	1051-MW-11(15)	P3716-06
7	1052-MW-17A(15.5)	P3716-07
8	1053-FB082024	P3716-08
9	1054-TB082024	P3716-09

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 Surrogate Spike Recoveries,

Andrew St.
SDG# P3716

Compound Quantitation and MS/MSD.

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.

HOLDING TIMES

All criteria were met.

INTERNAL STANDARD (IS)

All criteria were met.

SURROGATE SPIKE RECOVERIES

All criteria were met except 4-Bromofluorobenzene was outside QC limits, high in DUSR ID#1.

The target analytes below should be qualified as estimated high in this sample.

Vinyl chloride	Acetone	cis-1,2-Dichloroethene
Methyl acetate		

METHOD BLANK

All criteria were met.

FIELD DUPLICATE SAMPLE PRECISION

No field duplicate was acquired.

LABORATORY CONTROL SAMPLES

All criteria were met.

The %Rec of some target analytes was outside QC limits, high in the laboratory control samples.

These target analytes were not detected in the associated samples, so no further action is required.

MS/MSD

All criteria were met.

The concentration of Tetrachloroethene exceeded calibration limits in DUSR ID#2MS/MSD and is qualified with an 'E'.

Andrew St.
SDG# P3716

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.

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	12.6	JH	1
8	m&p-Xylene	2.7	U at RL	1, 2, 5-7
9	Ethylbenzene	2.50	U at RL	1, 2, 5-7
9	m&p-Xylene	2.70	U at RL	1, 2, 5-7
9	o-Xylene	1.90	U at RL	1, 2, 5-7

The concentrations of Tetrachloroethene, Trichloroethene and cis-1,2-Dichloroethene exceeded calibration limits in DUSR ID#1 and are qualified with an 'E'.

The concentration of Tetrachloroethene exceeded calibration limits in DUSR ID#6 and is qualified with an 'E'.

INITIAL CALIBRATION

All criteria were met.

CONTINUING CALIBRATION

All criteria were met except several target analytes were outside QC limits in a continuing calibration and should be qualified as estimated in the associated samples, blanks and spikes.

CCal ID	Target Analyte	RRF/%D	Qualifier	Associated Sample
VN083496.D	Chloroform	21.5	UJ/J	VN0827, 9
VN083496.D	1,2-Dichloroethane	22.1	UJ/J	VN0827, 9
VN083496.D	1,2-Dichloropropane	22.2	UJ/J	VN0827, 9
VN083496.D	1,1,2-Trichloroethane	22.3	UJ/J	VN0827, 9

GC/MS PERFORMANCE CHECK

All criteria were met.

CASE NARRATIVE

Day Environmental, Inc.

Project Name: NYSDEC Andrews St Site #E828144

Project # N/A

Chemtech Project # P3716

Test Name: VOC-TCLVOA-10

A. Number of Samples and Date of Receipt:

9 Water samples were received on 08/22/2024.

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 8260D.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria except for 1048-MW-01(23) [4-Bromofluorobenzene - 124%] Due to high concentration of compounds, this sample required dilution. Therefore, sample was reanalyzed with dilution and reported.

The Internal Standards Areas met the acceptable requirements.

The Retention Times were acceptable for all samples.

The MS {P3716-03MS} with File ID: VN083468.D recoveries met the requirements for all compounds except for 1,3-Dichlorobenzene[82%] due to matrix interference.

The MSD recoveries met the acceptable requirements .

The RPD met criteria .

The Blank Spike for {VN0823WBS02} with File ID: VN083451.D met requirements for all samples except for 1,1,1-Trichloroethane[112%], 1,1-Dichloroethane[113%], 1,2-Dichloroethane[117%], 1,2-Dichloropropane[112%], Benzene[110%] and Chloroform[114%] are failing high but no positive hit in associate sample therefore no corrective action taken.

The Blank Spike for {VN0826WBS02} with File ID: VN083476.D met requirements for all samples except for 1,1,2-Trichloroethane[115%], 1,2-Dichloroethane[116%] are failing high but no positive hit in associate sample therefore no corrective action taken.

The Blank Spike for {VN0827WBS02} with File ID: VN083502.D met requirements for all samples except for 1,1,1-Trichloroethane[120%], 1,1,2-Trichloroethane[119%], 1,1,2-Trichlorotrifluoroethane[117%], 1,1-Dichloroethane[121%], 1,2-Dibromoethane[112%], 1,2-Dichloroethane[121%], 1,2-Dichloropropane[120%], Benzene[113%], Bromodichloromethane[113%], Chlorobenzene[110%], Chloroform[121%], cis-1,2-Dichloroethene[113%], cis-1,3-Dichloropropene[113%], Dibromochloromethane[111%], Toluene[111%], trans-1,2-Dichloroethene[110%] and Trichlorofluoromethane[119%] are failing high but no positive hit in associate sample therefore no corrective action taken.

The Blank analysis did not indicate the presence of lab contamination.

The Initial Calibration met the requirements .

The Continuous Calibration File ID VN083447.D met the requirements except for 1,2-Dibromo-3-Chloropropane is failing marginally low therefore no corrective action taken.

The Continuous Calibration File ID VN083472.D met the requirements except for Acetone is failing marginally high therefore no corrective action taken while 1,2-Dichloroethane-d4 and Dibromofluoromethane which is not our target compound, therefore no corrective action taken.

The Continuous Calibration File ID VN083496.D met the requirements except for 1,1,2-Trichloroethane,1,2-Dichloroethane,1,2-Dichloropropane,Chloroform are failing high but no positive hit in associate sample therefore no corrective action taken while 1,2-Dichloroethane-d4 and 4-Bromofluorobenzene which is not our target compound, therefore no corrective action taken.

The Tuning criteria met requirements.

Samples 1048-MW-01(23), 1051-MW-11(15) were diluted due to high concentrations.

E. Additional Comments:

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.



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

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 3:00 pm, Sep 04, 2024

Surrogate Summary

SDG No.: **P3716**

Client: **Day Environmental, Inc.**

Analytical Method: **SW8260-Low**

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
P3716-01	1048-MW-01(23)	1,2-Dichloroethane-d4	50	57.8	116	74	125
		Dibromofluoromethane	50	51.1	102	75	124
		Toluene-d8	50	48.8	98	86	113
		4-Bromofluorobenzene	50	62.0	124 *	77	121
P3716-01DL	1048-MW-01(23)DL	1,2-Dichloroethane-d4	50	57.2	114	74	125
		Dibromofluoromethane	50	52.9	106	75	124
		Toluene-d8	50	49.7	99	86	113
		4-Bromofluorobenzene	50	57.7	115	77	121
P3716-02	1049-MW-02(23.8)	1,2-Dichloroethane-d4	50	58.4	117	74	125
		Dibromofluoromethane	50	50.0	100	75	124
		Toluene-d8	50	48.2	96	86	113
		4-Bromofluorobenzene	50	57.6	115	77	121
P3716-03MS	1049-MW-02(23.8)MS	1,2-Dichloroethane-d4	50	60.3	121	74	125
		Dibromofluoromethane	50	56.9	114	75	124
		Toluene-d8	50	54.9	110	86	113
		4-Bromofluorobenzene	50	58.3	117	77	121
P3716-04MSD	1049-MW-02(23.8)MSD	1,2-Dichloroethane-d4	50	56.1	112	74	125
		Dibromofluoromethane	50	52.0	104	75	124
		Toluene-d8	50	51.5	103	86	113
		4-Bromofluorobenzene	50	53.3	107	77	121
P3716-05	1050-MW-03A(17)	1,2-Dichloroethane-d4	50	56.5	113	74	125
		Dibromofluoromethane	50	49.2	98	75	124
		Toluene-d8	50	48.8	98	86	113
		4-Bromofluorobenzene	50	58.9	118	77	121
P3716-06	1051-MW-11(15)	1,2-Dichloroethane-d4	50	58.1	116	74	125
		Dibromofluoromethane	50	50.7	101	75	124
		Toluene-d8	50	49.2	98	86	113
		4-Bromofluorobenzene	50	58.0	116	77	121
P3716-06DL	1051-MW-11(15)DL	1,2-Dichloroethane-d4	50	55.5	111	74	125
		Dibromofluoromethane	50	51.6	103	75	124
		Toluene-d8	50	49.3	99	86	113
		4-Bromofluorobenzene	50	56.0	112	77	121
P3716-07	1052-MW-17A(15.5)	1,2-Dichloroethane-d4	50	58.3	117	74	125
		Dibromofluoromethane	50	50.4	101	75	124
		Toluene-d8	50	48.2	96	86	113
		4-Bromofluorobenzene	50	56.0	112	77	121
P3716-08	1053-FB082024	1,2-Dichloroethane-d4	50	58.3	117	74	125
		Dibromofluoromethane	50	53.2	106	75	124
		Toluene-d8	50	48.6	97	86	113
		4-Bromofluorobenzene	50	57.2	114	77	121
P3716-09	1054-TB082024	1,2-Dichloroethane-d4	50	53.0	106	74	125
		Dibromofluoromethane	50	48.6	97	75	124
		Toluene-d8	50	46.2	92	86	113
		4-Bromofluorobenzene	50	54.2	108	77	121
VN0823WBL01	VN0823WBL01	1,2-Dichloroethane-d4	50	57.1	114	74	125
		Dibromofluoromethane	50	49.9	100	75	124
		Toluene-d8	50	48.5	97	86	113
		4-Bromofluorobenzene	50	55.2	110	77	121
VN0823WBS02	VN0823WBS02	1,2-Dichloroethane-d4	50	57.8	116	74	125
		Dibromofluoromethane	50	55.3	110	75	124

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	08/20/24
Project:	NYSDEC Andrews St Site #E828144	Date Received:	08/22/24
Client Sample ID:	1048-MW-01(23)	SDG No.:	P3716
Lab Sample ID:	P3716-01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
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
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN083462.D	1		08/23/24 15:55	VN082324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.21	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.35	1.00	ug/L
75-01-4	Vinyl Chloride	20.9		0.34	1.00	ug/L
74-83-9	Bromomethane	5.00	U	1.40	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.26	1.00	ug/L
67-64-1	Acetone	6.30		1.40	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	2.40		0.60	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	UQ	0.23	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.60	5.00	ug/L
78-93-3	2-Butanone	5.00	U	1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	150	E	0.25	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.18	1.00	ug/L
67-66-3	Chloroform	1.00	UQ	0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	UQ	0.19	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.19	1.00	ug/L
71-43-2	Benzene	1.00	UQ	0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	UQ	0.24	1.00	ug/L
79-01-6	Trichloroethene	130	E	0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	UQ	0.19	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.75	5.00	ug/L
108-88-3	Toluene	1.00	U	0.18	1.00	ug/L

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	08/20/24
Project:	NYSDEC Andrews St Site #E828144	Date Received:	08/22/24
Client Sample ID:	1048-MW-01(23)	SDG No.:	P3716
Lab Sample ID:	P3716-01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
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
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN083462.D	1		08/23/24 15:55	VN082324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	1.00	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	1.10	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	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	910	E	0.25	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.13	1.00	ug/L
100-41-4	Ethyl Benzene	0.35	J	0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	1.40	J	0.31	2.00	ug/L
95-47-6	o-Xylene	0.41	J	0.14	1.00	ug/L
100-42-5	Styrene	1.00	U	0.16	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.21	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	57.8		74 - 125	116%	SPK: 50
1868-53-7	Dibromofluoromethane	51.1		75 - 124	102%	SPK: 50
2037-26-5	Toluene-d8	48.8		86 - 113	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	62.0	*	77 - 121	124%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	123000	8.224			
540-36-3	1,4-Difluorobenzene	249000	9.1			
3114-55-4	Chlorobenzene-d5	277000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	139000	13.794			

Report of Analysis

Client:	Day Environmental, Inc.		Date Collected:	08/20/24	
Project:	NYSDEC Andrews St Site #E828144		Date Received:	08/22/24	
Client Sample ID:	1048-MW-01(23)		SDG No.:	P3716	
Lab Sample ID:	P3716-01		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
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	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN083462.D	1		08/23/24 15:55	VN082324

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

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	08/20/24
Project:	NYSDEC Andrews St Site #E828144	Date Received:	08/22/24
Client Sample ID:	1048-MW-01(23)DL	SDG No.:	P3716
Lab Sample ID:	P3716-01DL	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
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
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN083478.D	20		08/26/24 13:19	VN082624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	20.0	UD	4.20	20.0	ug/L
74-87-3	Chloromethane	20.0	UD	7.00	20.0	ug/L
75-01-4	Vinyl Chloride	20.0	UD	6.80	20.0	ug/L
74-83-9	Bromomethane	100	UD	27.2	100	ug/L
75-00-3	Chloroethane	20.0	UD	11.2	20.0	ug/L
75-69-4	Trichlorofluoromethane	20.0	UD	6.80	20.0	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	20.0	UD	5.00	20.0	ug/L
75-35-4	1,1-Dichloroethene	20.0	UD	5.20	20.0	ug/L
67-64-1	Acetone	100	UD	27.8	100	ug/L
75-15-0	Carbon Disulfide	20.0	UD	6.40	20.0	ug/L
1634-04-4	Methyl tert-butyl Ether	20.0	UD	3.20	20.0	ug/L
79-20-9	Methyl Acetate	20.0	UD	12.0	20.0	ug/L
75-09-2	Methylene Chloride	20.0	UD	6.40	20.0	ug/L
156-60-5	trans-1,2-Dichloroethene	20.0	UD	5.00	20.0	ug/L
75-34-3	1,1-Dichloroethane	20.0	UD	4.60	20.0	ug/L
110-82-7	Cyclohexane	100	UD	32.4	100	ug/L
78-93-3	2-Butanone	100	UD	26.0	100	ug/L
56-23-5	Carbon Tetrachloride	20.0	UD	5.00	20.0	ug/L
156-59-2	cis-1,2-Dichloroethene	140	D	5.00	20.0	ug/L
74-97-5	Bromochloromethane	20.0	UD	3.60	20.0	ug/L
67-66-3	Chloroform	20.0	UD	5.20	20.0	ug/L
71-55-6	1,1,1-Trichloroethane	20.0	UD	3.80	20.0	ug/L
108-87-2	Methylcyclohexane	20.0	UD	3.80	20.0	ug/L
71-43-2	Benzene	20.0	UD	3.20	20.0	ug/L
107-06-2	1,2-Dichloroethane	20.0	UDQ	4.80	20.0	ug/L
79-01-6	Trichloroethene	110	D	6.40	20.0	ug/L
78-87-5	1,2-Dichloropropane	20.0	UD	3.80	20.0	ug/L
75-27-4	Bromodichloromethane	20.0	UD	4.80	20.0	ug/L
108-10-1	4-Methyl-2-Pentanone	100	UD	15.0	100	ug/L
108-88-3	Toluene	20.0	UD	3.60	20.0	ug/L

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	08/20/24
Project:	NYSDEC Andrews St Site #E828144	Date Received:	08/22/24
Client Sample ID:	1048-MW-01(23)DL	SDG No.:	P3716
Lab Sample ID:	P3716-01DL	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
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
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN083478.D	20		08/26/24 13:19	VN082624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	20.0	UD	4.20	20.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.0	UD	3.60	20.0	ug/L
79-00-5	1,1,2-Trichloroethane	20.0	UDQ	4.20	20.0	ug/L
591-78-6	2-Hexanone	100	UD	22.6	100	ug/L
124-48-1	Dibromochloromethane	20.0	UD	3.60	20.0	ug/L
106-93-4	1,2-Dibromoethane	20.0	UD	3.20	20.0	ug/L
127-18-4	Tetrachloroethene	820	D	5.00	20.0	ug/L
108-90-7	Chlorobenzene	20.0	UD	2.60	20.0	ug/L
100-41-4	Ethyl Benzene	20.0	UD	3.20	20.0	ug/L
179601-23-1	m/p-Xylenes	40.0	UD	6.20	40.0	ug/L
95-47-6	o-Xylene	20.0	UD	2.80	20.0	ug/L
100-42-5	Styrene	20.0	UD	3.20	20.0	ug/L
75-25-2	Bromoform	20.0	UD	4.20	20.0	ug/L
98-82-8	Isopropylbenzene	20.0	UD	2.60	20.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.0	UD	5.40	20.0	ug/L
541-73-1	1,3-Dichlorobenzene	20.0	UD	4.80	20.0	ug/L
106-46-7	1,4-Dichlorobenzene	20.0	UD	5.40	20.0	ug/L
95-50-1	1,2-Dichlorobenzene	20.0	UD	3.80	20.0	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	20.0	UD	9.20	20.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	20.0	UD	8.40	20.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	20.0	UD	10.2	20.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	57.2		74 - 125	114%	SPK: 50
1868-53-7	Dibromofluoromethane	52.9		75 - 124	106%	SPK: 50
2037-26-5	Toluene-d8	49.7		86 - 113	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	57.7		77 - 121	115%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	124000	8.224			
540-36-3	1,4-Difluorobenzene	251000	9.1			
3114-55-4	Chlorobenzene-d5	272000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	127000	13.794			

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	08/20/24
Project:	NYSDEC Andrews St Site #E828144	Date Received:	08/22/24
Client Sample ID:	1048-MW-01(23)DL	SDG No.:	P3716
Lab Sample ID:	P3716-01DL	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
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
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN083478.D	20		08/26/24 13:19	VN082624

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

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	08/20/24
Project:	NYSDEC Andrews St Site #E828144	Date Received:	08/22/24
Client Sample ID:	1049-MW-02(23.8)	SDG No.:	P3716
Lab Sample ID:	P3716-02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
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
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN083467.D	1		08/23/24 17:56	VN082324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.21	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.35	1.00	ug/L
75-01-4	Vinyl Chloride	4.60		0.34	1.00	ug/L
74-83-9	Bromomethane	5.00	U	1.40	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.26	1.00	ug/L
67-64-1	Acetone	5.00	U	1.40	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	1.80		0.60	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	UQ	0.23	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.60	5.00	ug/L
78-93-3	2-Butanone	5.00	U	1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	34.7		0.25	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.18	1.00	ug/L
67-66-3	Chloroform	1.00	UQ	0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	UQ	0.19	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.19	1.00	ug/L
71-43-2	Benzene	1.00	UQ	0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	UQ	0.24	1.00	ug/L
79-01-6	Trichloroethene	31.0		0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	UQ	0.19	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.75	5.00	ug/L
108-88-3	Toluene	1.00	U	0.18	1.00	ug/L

Report of Analysis

Client:	Day Environmental, Inc.		Date Collected:	08/20/24	
Project:	NYSDEC Andrews St Site #E828144		Date Received:	08/22/24	
Client Sample ID:	1049-MW-02(23.8)		SDG No.:	P3716	
Lab Sample ID:	P3716-02		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
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	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN083467.D	1		08/23/24 17:56	VN082324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	1.00	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	1.10	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	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	50.5		0.25	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.13	1.00	ug/L
100-41-4	Ethyl Benzene	0.28	J	0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	1.50	J	0.31	2.00	ug/L
95-47-6	o-Xylene	0.35	J	0.14	1.00	ug/L
100-42-5	Styrene	1.00	U	0.16	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.21	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	58.4		74 - 125	117%	SPK: 50
1868-53-7	Dibromofluoromethane	50.0		75 - 124	100%	SPK: 50
2037-26-5	Toluene-d8	48.2		86 - 113	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	57.6		77 - 121	115%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	122000	8.224			
540-36-3	1,4-Difluorobenzene	255000	9.1			
3114-55-4	Chlorobenzene-d5	275000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	133000	13.794			

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	08/20/24
Project:	NYSDEC Andrews St Site #E828144	Date Received:	08/22/24
Client Sample ID:	1049-MW-02(23.8)	SDG No.:	P3716
Lab Sample ID:	P3716-02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
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
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN083467.D	1		08/23/24 17:56	VN082324

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

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	08/20/24
Project:	NYSDEC Andrews St Site #E828144	Date Received:	08/22/24
Client Sample ID:	1050-MW-03A(17)	SDG No.:	P3716
Lab Sample ID:	P3716-05	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
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
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN083463.D	1		08/23/24 16:20	VN082324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.21	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.35	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.34	1.00	ug/L
74-83-9	Bromomethane	5.00	U	1.40	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.26	1.00	ug/L
67-64-1	Acetone	5.00	U	1.40	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	3.30		0.60	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	5.50		0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	UQ	0.23	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.60	5.00	ug/L
78-93-3	2-Butanone	5.00	U	1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	39.9		0.25	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.18	1.00	ug/L
67-66-3	Chloroform	1.00	UQ	0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	UQ	0.19	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.19	1.00	ug/L
71-43-2	Benzene	1.00	UQ	0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	UQ	0.24	1.00	ug/L
79-01-6	Trichloroethene	90.0		0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	UQ	0.19	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.75	5.00	ug/L
108-88-3	Toluene	1.00	U	0.18	1.00	ug/L

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	08/20/24
Project:	NYSDEC Andrews St Site #E828144	Date Received:	08/22/24
Client Sample ID:	1050-MW-03A(17)	SDG No.:	P3716
Lab Sample ID:	P3716-05	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
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
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN083463.D	1		08/23/24 16:20	VN082324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	1.00	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	1.10	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	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	94.7		0.25	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.13	1.00	ug/L
100-41-4	Ethyl Benzene	0.32	J	0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	1.60	J	0.31	2.00	ug/L
95-47-6	o-Xylene	0.46	J	0.14	1.00	ug/L
100-42-5	Styrene	1.00	U	0.16	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.21	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	56.5		74 - 125	113%	SPK: 50
1868-53-7	Dibromofluoromethane	49.2		75 - 124	98%	SPK: 50
2037-26-5	Toluene-d8	48.8		86 - 113	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	58.9		77 - 121	118%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	126000	8.224			
540-36-3	1,4-Difluorobenzene	256000	9.1			
3114-55-4	Chlorobenzene-d5	276000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	134000	13.794			

TENTATIVE IDENTIFIED COMPOUNDS

Report of Analysis

Client:	Day Environmental, Inc.		Date Collected:	08/20/24	
Project:	NYSDEC Andrews St Site #E828144		Date Received:	08/22/24	
Client Sample ID:	1050-MW-03A(17)		SDG No.:	P3716	
Lab Sample ID:	P3716-05		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
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	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN083463.D	1		08/23/24 16:20	VN082324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
000064-19-7	Acetic acid	8.50	J		8.80	ug/L

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

Report of Analysis

Client:	Day Environmental, Inc.		Date Collected:	08/20/24	
Project:	NYSDEC Andrews St Site #E828144		Date Received:	08/22/24	
Client Sample ID:	1051-MW-11(15)		SDG No.:	P3716	
Lab Sample ID:	P3716-06		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
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	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN083465.D	1		08/23/24 17:08	VN082324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.21	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.35	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.34	1.00	ug/L
74-83-9	Bromomethane	5.00	U	1.40	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.26	1.00	ug/L
67-64-1	Acetone	5.00	U	1.40	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.60	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	UQ	0.23	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.60	5.00	ug/L
78-93-3	2-Butanone	5.00	U	1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	26.6		0.25	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.18	1.00	ug/L
67-66-3	Chloroform	1.00	UQ	0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	UQ	0.19	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.19	1.00	ug/L
71-43-2	Benzene	1.00	UQ	0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	UQ	0.24	1.00	ug/L
79-01-6	Trichloroethene	24.8		0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	UQ	0.19	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.75	5.00	ug/L
108-88-3	Toluene	1.00	U	0.18	1.00	ug/L

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	08/20/24
Project:	NYSDEC Andrews St Site #E828144	Date Received:	08/22/24
Client Sample ID:	1051-MW-11(15)	SDG No.:	P3716
Lab Sample ID:	P3716-06	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
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
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN083465.D	1		08/23/24 17:08	VN082324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	1.00	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	1.10	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	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	150	E	0.25	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.13	1.00	ug/L
100-41-4	Ethyl Benzene	0.29	J	0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	1.20	J	0.31	2.00	ug/L
95-47-6	o-Xylene	0.33	J	0.14	1.00	ug/L
100-42-5	Styrene	1.00	U	0.16	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.21	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	58.1		74 - 125	116%	SPK: 50
1868-53-7	Dibromofluoromethane	50.7		75 - 124	101%	SPK: 50
2037-26-5	Toluene-d8	49.2		86 - 113	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	58.0		77 - 121	116%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	126000	8.224			
540-36-3	1,4-Difluorobenzene	257000	9.1			
3114-55-4	Chlorobenzene-d5	280000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	136000	13.794			
TENTATIVE IDENTIFIED COMPOUNDS						

Report of Analysis

Client:	Day Environmental, Inc.		Date Collected:	08/20/24	
Project:	NYSDEC Andrews St Site #E828144		Date Received:	08/22/24	
Client Sample ID:	1051-MW-11(15)		SDG No.:	P3716	
Lab Sample ID:	P3716-06		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
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	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN083465.D	1		08/23/24 17:08	VN082324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
000109-87-5	Methylal	19.5	J		4.44	ug/L

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

Report of Analysis

Client:	Day Environmental, Inc.		Date Collected:	08/20/24	
Project:	NYSDEC Andrews St Site #E828144		Date Received:	08/22/24	
Client Sample ID:	1051-MW-11(15)DL		SDG No.:	P3716	
Lab Sample ID:	P3716-06DL		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
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	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN083477.D	4		08/26/24 12:55	VN082624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	4.00	UD	0.84	4.00	ug/L
74-87-3	Chloromethane	4.00	UD	1.40	4.00	ug/L
75-01-4	Vinyl Chloride	4.00	UD	1.40	4.00	ug/L
74-83-9	Bromomethane	20.0	UD	5.40	20.0	ug/L
75-00-3	Chloroethane	4.00	UD	2.20	4.00	ug/L
75-69-4	Trichlorofluoromethane	4.00	UD	1.40	4.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	4.00	UD	1.00	4.00	ug/L
75-35-4	1,1-Dichloroethene	4.00	UD	1.00	4.00	ug/L
67-64-1	Acetone	20.0	UD	5.60	20.0	ug/L
75-15-0	Carbon Disulfide	4.00	UD	1.30	4.00	ug/L
1634-04-4	Methyl tert-butyl Ether	4.00	UD	0.64	4.00	ug/L
79-20-9	Methyl Acetate	4.00	UD	2.40	4.00	ug/L
75-09-2	Methylene Chloride	4.00	UD	1.30	4.00	ug/L
156-60-5	trans-1,2-Dichloroethene	4.00	UD	1.00	4.00	ug/L
75-34-3	1,1-Dichloroethane	4.00	UD	0.92	4.00	ug/L
110-82-7	Cyclohexane	20.0	UD	6.50	20.0	ug/L
78-93-3	2-Butanone	20.0	UD	5.20	20.0	ug/L
56-23-5	Carbon Tetrachloride	4.00	UD	1.00	4.00	ug/L
156-59-2	cis-1,2-Dichloroethene	26.8	D	1.00	4.00	ug/L
74-97-5	Bromochloromethane	4.00	UD	0.72	4.00	ug/L
67-66-3	Chloroform	4.00	UD	1.00	4.00	ug/L
71-55-6	1,1,1-Trichloroethane	4.00	UD	0.76	4.00	ug/L
108-87-2	Methylcyclohexane	4.00	UD	0.76	4.00	ug/L
71-43-2	Benzene	4.00	UD	0.64	4.00	ug/L
107-06-2	1,2-Dichloroethane	4.00	UDQ	0.96	4.00	ug/L
79-01-6	Trichloroethene	26.4	D	1.30	4.00	ug/L
78-87-5	1,2-Dichloropropane	4.00	UD	0.76	4.00	ug/L
75-27-4	Bromodichloromethane	4.00	UD	0.96	4.00	ug/L
108-10-1	4-Methyl-2-Pentanone	20.0	UD	3.00	20.0	ug/L
108-88-3	Toluene	4.00	UD	0.72	4.00	ug/L

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	08/20/24
Project:	NYSDEC Andrews St Site #E828144	Date Received:	08/22/24
Client Sample ID:	1051-MW-11(15)DL	SDG No.:	P3716
Lab Sample ID:	P3716-06DL	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
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
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN083477.D	4		08/26/24 12:55	VN082624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	4.00	UD	0.84	4.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	4.00	UD	0.72	4.00	ug/L
79-00-5	1,1,2-Trichloroethane	4.00	UDQ	0.84	4.00	ug/L
591-78-6	2-Hexanone	20.0	UD	4.50	20.0	ug/L
124-48-1	Dibromochloromethane	4.00	UD	0.72	4.00	ug/L
106-93-4	1,2-Dibromoethane	4.00	UD	0.64	4.00	ug/L
127-18-4	Tetrachloroethene	140	D	1.00	4.00	ug/L
108-90-7	Chlorobenzene	4.00	UD	0.52	4.00	ug/L
100-41-4	Ethyl Benzene	4.00	UD	0.64	4.00	ug/L
179601-23-1	m/p-Xylenes	8.00	UD	1.20	8.00	ug/L
95-47-6	o-Xylene	4.00	UD	0.56	4.00	ug/L
100-42-5	Styrene	4.00	UD	0.64	4.00	ug/L
75-25-2	Bromoform	4.00	UD	0.84	4.00	ug/L
98-82-8	Isopropylbenzene	4.00	UD	0.52	4.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	4.00	UD	1.10	4.00	ug/L
541-73-1	1,3-Dichlorobenzene	4.00	UD	0.96	4.00	ug/L
106-46-7	1,4-Dichlorobenzene	4.00	UD	1.10	4.00	ug/L
95-50-1	1,2-Dichlorobenzene	4.00	UD	0.76	4.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	4.00	UD	1.80	4.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	4.00	UD	1.70	4.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	4.00	UD	2.00	4.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.5		74 - 125	111%	SPK: 50
1868-53-7	Dibromofluoromethane	51.6		75 - 124	103%	SPK: 50
2037-26-5	Toluene-d8	49.3		86 - 113	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.0		77 - 121	112%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	122000	8.224			
540-36-3	1,4-Difluorobenzene	246000	9.1			
3114-55-4	Chlorobenzene-d5	259000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	120000	13.794			

Report of Analysis

Client:	Day Environmental, Inc.		Date Collected:	08/20/24	
Project:	NYSDEC Andrews St Site #E828144		Date Received:	08/22/24	
Client Sample ID:	1051-MW-11(15)DL		SDG No.:	P3716	
Lab Sample ID:	P3716-06DL		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
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	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN083477.D	4		08/26/24 12:55	VN082624

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

Report of Analysis

Client:	Day Environmental, Inc.		Date Collected:	08/20/24	
Project:	NYSDEC Andrews St Site #E828144		Date Received:	08/22/24	
Client Sample ID:	1052-MW-17A(15.5)		SDG No.:	P3716	
Lab Sample ID:	P3716-07		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
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	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN083464.D	1		08/23/24 16:44	VN082324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.21	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.35	1.00	ug/L
75-01-4	Vinyl Chloride	5.00		0.34	1.00	ug/L
74-83-9	Bromomethane	5.00	U	1.40	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.26	1.00	ug/L
67-64-1	Acetone	5.00	U	1.40	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	2.50		0.60	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	2.60		0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	UQ	0.23	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.60	5.00	ug/L
78-93-3	2-Butanone	5.00	U	1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	95.2		0.25	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.18	1.00	ug/L
67-66-3	Chloroform	1.00	UQ	0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	UQ	0.19	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.19	1.00	ug/L
71-43-2	Benzene	1.00	UQ	0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	UQ	0.24	1.00	ug/L
79-01-6	Trichloroethene	12.5		0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	UQ	0.19	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.75	5.00	ug/L
108-88-3	Toluene	1.00	U	0.18	1.00	ug/L

Report of Analysis

Client:	Day Environmental, Inc.		Date Collected:	08/20/24	
Project:	NYSDEC Andrews St Site #E828144		Date Received:	08/22/24	
Client Sample ID:	1052-MW-17A(15.5)		SDG No.:	P3716	
Lab Sample ID:	P3716-07		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
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	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN083464.D	1		08/23/24 16:44	VN082324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	1.00	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	1.10	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	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	3.30		0.25	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.13	1.00	ug/L
100-41-4	Ethyl Benzene	0.30	J	0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	1.30	J	0.31	2.00	ug/L
95-47-6	o-Xylene	0.38	J	0.14	1.00	ug/L
100-42-5	Styrene	1.00	U	0.16	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.21	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	58.3		74 - 125	117%	SPK: 50
1868-53-7	Dibromofluoromethane	50.4		75 - 124	101%	SPK: 50
2037-26-5	Toluene-d8	48.2		86 - 113	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.0		77 - 121	112%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	125000	8.218			
540-36-3	1,4-Difluorobenzene	263000	9.1			
3114-55-4	Chlorobenzene-d5	280000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	132000	13.794			

TENTATIVE IDENTIFIED COMPOUNDS

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	08/20/24
Project:	NYSDEC Andrews St Site #E828144	Date Received:	08/22/24
Client Sample ID:	1052-MW-17A(15.5)	SDG No.:	P3716
Lab Sample ID:	P3716-07	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5	Units:	mL
Soil Aliquot Vol:			uL
GC Column:	RXI-624	ID :	0.25
Prep Method :		Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN083464.D	1		08/23/24 16:44	VN082324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
000109-87-5	Methylal	17.6	J		4.44	ug/L

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

Report of Analysis

Client:	Day Environmental, Inc.		Date Collected:	08/20/24	
Project:	NYSDEC Andrews St Site #E828144		Date Received:	08/22/24	
Client Sample ID:	1053-FB082024		SDG No.:	P3716	
Lab Sample ID:	P3716-08		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
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	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN083493.D	1		08/26/24 19:47	VN082624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.21	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.35	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.34	1.00	ug/L
74-83-9	Bromomethane	5.00	U	1.40	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.26	1.00	ug/L
67-64-1	Acetone	12.6		1.40	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.60	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.60	5.00	ug/L
78-93-3	2-Butanone	5.00	U	1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00	U	0.25	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.18	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.19	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.19	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	UQ	0.24	1.00	ug/L
79-01-6	Trichloroethene	1.00	U	0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.19	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.75	5.00	ug/L
108-88-3	Toluene	1.00	U	0.18	1.00	ug/L

Report of Analysis

Client:	Day Environmental, Inc.		Date Collected:	08/20/24	
Project:	NYSDEC Andrews St Site #E828144		Date Received:	08/22/24	
Client Sample ID:	1053-FB082024		SDG No.:	P3716	
Lab Sample ID:	P3716-08		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
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	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN083493.D	1		08/26/24 19:47	VN082624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	1.00	UQ	0.21	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	1.10	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	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	1.00	U	0.25	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.13	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	2.70		0.31	2.00	ug/L
95-47-6	o-Xylene	1.00	U	0.14	1.00	ug/L
100-42-5	Styrene	1.00	U	0.16	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.21	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	58.3		74 - 125	117%	SPK: 50
1868-53-7	Dibromofluoromethane	53.2		75 - 124	106%	SPK: 50
2037-26-5	Toluene-d8	48.6		86 - 113	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	57.2		77 - 121	114%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	111000	8.224			
540-36-3	1,4-Difluorobenzene	227000	9.1			
3114-55-4	Chlorobenzene-d5	246000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	119000	13.794			

TENTATIVE IDENTIFIED COMPOUNDS

Report of Analysis

Client:	Day Environmental, Inc.		Date Collected:	08/20/24	
Project:	NYSDEC Andrews St Site #E828144		Date Received:	08/22/24	
Client Sample ID:	1053-FB082024		SDG No.:	P3716	
Lab Sample ID:	P3716-08		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
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	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN083493.D	1		08/26/24 19:47	VN082624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
007446-09-5	Sulfur dioxide	25.3	J		2.28	ug/L

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

Report of Analysis

Client:	Day Environmental, Inc.		Date Collected:	08/20/24	
Project:	NYSDEC Andrews St Site #E828144		Date Received:	08/22/24	
Client Sample ID:	1054-TB082024		SDG No.:	P3716	
Lab Sample ID:	P3716-09		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
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	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN083499.D	1		08/27/24 10:28	VN082724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.21	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.35	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.34	1.00	ug/L
74-83-9	Bromomethane	5.00	U	1.40	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	UQ	0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	UQ	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.26	1.00	ug/L
67-64-1	Acetone	5.00	U	1.40	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.60	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	UQ	0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	UQ	0.23	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.60	5.00	ug/L
78-93-3	2-Butanone	5.00	U	1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00	UQ	0.25	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.18	1.00	ug/L
67-66-3	Chloroform	1.00	UQ	0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	UQ	0.19	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.19	1.00	ug/L
71-43-2	Benzene	1.00	UQ	0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	UQ	0.24	1.00	ug/L
79-01-6	Trichloroethene	1.00	U	0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	UQ	0.19	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	UQ	0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.75	5.00	ug/L
108-88-3	Toluene	1.00	UQ	0.18	1.00	ug/L

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	08/20/24
Project:	NYSDEC Andrews St Site #E828144	Date Received:	08/22/24
Client Sample ID:	1054-TB082024	SDG No.:	P3716
Lab Sample ID:	P3716-09	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
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
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN083499.D	1		08/27/24 10:28	VN082724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	UQ	0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	1.00	UQ	0.21	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	1.10	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	UQ	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	UQ	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	1.00	U	0.25	1.00	ug/L
108-90-7	Chlorobenzene	1.00	UQ	0.13	1.00	ug/L
100-41-4	Ethyl Benzene	2.50		0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	11.3		0.31	2.00	ug/L
95-47-6	o-Xylene	1.90		0.14	1.00	ug/L
100-42-5	Styrene	1.00	U	0.16	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.21	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.0		74 - 125	106%	SPK: 50
1868-53-7	Dibromofluoromethane	48.6		75 - 124	97%	SPK: 50
2037-26-5	Toluene-d8	46.2		86 - 113	92%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.2		77 - 121	108%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	148000	8.224			
540-36-3	1,4-Difluorobenzene	292000	9.1			
3114-55-4	Chlorobenzene-d5	310000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	145000	13.794			

Report of Analysis

Client:	Day Environmental, Inc.		Date Collected:	08/20/24	
Project:	NYSDEC Andrews St Site #E828144		Date Received:	08/22/24	
Client Sample ID:	1054-TB082024		SDG No.:	P3716	
Lab Sample ID:	P3716-09		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
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	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN083499.D	1		08/27/24 10:28	VN082724

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: P3716 SAS No.: P3716 SDG No.: P3716
 Instrument ID: MSVOA_N Calibration Date/Time: 08/27/2024 09:05
 Lab File ID: VN083496.D Init. Calib. Date(s): 08/07/2024 08/07/2024
 Heated Purge: (Y/N) N Init. Calib. Time(s): 10:33 12:34
 GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.567	0.525		-7.41	20
Chloromethane	0.581	0.604	0.1	3.96	20
Vinyl Chloride	0.592	0.649		9.63	20
Bromomethane	0.368	0.332		-9.78	20
Chloroethane	0.371	0.427		15.09	20
Trichlorofluoromethane	0.979	1.123		14.71	20
1,1,2-Trichlorotrifluoroethane	0.539	0.641		18.92	20
1,1-Dichloroethene	0.554	0.587		5.96	20
Acetone	0.278	0.310		11.51	20
Carbon Disulfide	1.622	1.500		-7.52	20
Methyl tert-butyl Ether	2.001	2.250		12.44	20
Methyl Acetate	0.830	0.899		8.31	20
Methylene Chloride	0.641	0.687		7.18	20
trans-1,2-Dichloroethene	0.573	0.608		6.11	20
1,1-Dichloroethane	1.073	1.278	0.1	19.1	20
Cyclohexane	1.055	1.071		1.52	20
2-Butanone	0.428	0.448		4.67	20
Carbon Tetrachloride	0.532	0.636		19.55	20
cis-1,2-Dichloroethene	0.691	0.781		13.02	20
Bromochloromethane	0.439	0.512		16.63	20
Chloroform	1.115	1.355		21.52	20
1,1,1-Trichloroethane	1.055	1.260		19.43	20
Methylcyclohexane	0.580	0.638		10	20
Benzene	1.406	1.658		17.92	20
1,2-Dichloroethane	0.512	0.625		22.07	20
Trichloroethene	0.335	0.379		13.13	20
1,2-Dichloropropane	0.334	0.408		22.16	20
Bromodichloromethane	0.537	0.632		17.69	20
4-Methyl-2-Pentanone	0.500	0.548		9.6	20
Toluene	0.889	1.046		17.66	20
t-1,3-Dichloropropene	0.551	0.636		15.43	20
cis-1,3-Dichloropropene	0.586	0.683		16.55	20
1,1,2-Trichloroethane	0.318	0.389		22.33	20
2-Hexanone	0.387	0.405		4.65	20
Dibromochloromethane	0.385	0.461		19.74	20
1,2-Dibromoethane	0.335	0.389		16.12	20
Tetrachloroethene	0.331	0.369		11.48	20
Chlorobenzene	1.105	1.237	0.3	11.95	20

All other compounds must meet a minimum RRF of 0.010.
 RRF of 1,4-Dioxane = Value should be divide by 1000.

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	08/20/24
Project:	NYSDEC Andrews St Site #E828144	Date Received:	08/22/24
Client Sample ID:	1049-MW-02(23.8)MS	SDG No.:	P3716
Lab Sample ID:	P3716-03MS	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
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
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN083468.D	1		08/23/24 18:21	VN082324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	46.8		0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	45.5		0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	50.8		0.21	1.00	ug/L
591-78-6	2-Hexanone	240		1.10	5.00	ug/L
124-48-1	Dibromochloromethane	49.6		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	49.7		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	100	E	0.25	1.00	ug/L
108-90-7	Chlorobenzene	45.1		0.13	1.00	ug/L
100-41-4	Ethyl Benzene	45.5		0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	92.3		0.31	2.00	ug/L
95-47-6	o-Xylene	44.5		0.14	1.00	ug/L
100-42-5	Styrene	45.0		0.16	1.00	ug/L
75-25-2	Bromoform	44.9		0.21	1.00	ug/L
98-82-8	Isopropylbenzene	39.7		0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	43.4		0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	40.8		0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	40.5		0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	42.8		0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	40.1		0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	36.6		0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	37.6		0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	60.3		74 - 125	121%	SPK: 50
1868-53-7	Dibromofluoromethane	56.9		75 - 124	114%	SPK: 50
2037-26-5	Toluene-d8	54.9		86 - 113	110%	SPK: 50
460-00-4	4-Bromofluorobenzene	58.3		77 - 121	117%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	150000	8.224			
540-36-3	1,4-Difluorobenzene	266000	9.1			
3114-55-4	Chlorobenzene-d5	242000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	129000	13.794			

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	08/20/24
Project:	NYSDEC Andrews St Site #E828144	Date Received:	08/22/24
Client Sample ID:	1049-MW-02(23.8)MSD	SDG No.:	P3716
Lab Sample ID:	P3716-04MSD	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
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
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN083469.D	1		08/23/24 18:45	VN082324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	47.2		0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	45.1		0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	50.4		0.21	1.00	ug/L
591-78-6	2-Hexanone	240		1.10	5.00	ug/L
124-48-1	Dibromochloromethane	49.1		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	48.2		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	110	E	0.25	1.00	ug/L
108-90-7	Chlorobenzene	46.5		0.13	1.00	ug/L
100-41-4	Ethyl Benzene	47.2		0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	94.5		0.31	2.00	ug/L
95-47-6	o-Xylene	46.7		0.14	1.00	ug/L
100-42-5	Styrene	46.9		0.16	1.00	ug/L
75-25-2	Bromoform	47.0		0.21	1.00	ug/L
98-82-8	Isopropylbenzene	41.3		0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	46.2		0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	43.9		0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	43.5		0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	46.0		0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	41.1		0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	41.6		0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	41.3		0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	56.1		74 - 125	112%	SPK: 50
1868-53-7	Dibromofluoromethane	52.0		75 - 124	104%	SPK: 50
2037-26-5	Toluene-d8	51.6		86 - 113	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.3		77 - 121	107%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	156000	8.224			
540-36-3	1,4-Difluorobenzene	275000	9.1			
3114-55-4	Chlorobenzene-d5	243000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	126000	13.794			

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 5, 2024

Personnel Performing Inspection Site Visit: J. Danzinger and C. Demian

Affiliation of Personnel: Day Environmental, Inc.

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 observed 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 observed 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, 2023 to December 01, 2024

	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

Description of Institutional Controls

<u>Parcel</u>	<u>Owner</u>	<u>Institutional Control</u>
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).

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 complete.

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 E. Spaulding
Signature of Owner, Remedial Party, or Designated Representative
Rendering Certification

12/10/2024
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)

Nathan Simon



12/03/2024

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

Stamp
(Required for PE)

Date